

# G E N E R A L C A T A L O G U E

20**15** 20**16** 

VIDEO-DOORPHONE SYSTEMS BUILDING HOME AUTOMATION VIDEO SURVEILLANCE



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### COMMUNICATING ACCORDING TO URMET

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CODE	P.	CODE	P.	CODE	P.	CODE	P.	CODE	P.	CODE	P.
725/600	66	1039/34	52	1122/61	134	1148/314	110	1183/502	139	1750/50	126
725/640	61	1039/36	52	1125/50	104	1148/32	108	1332/40	145	1750/6	40
725/701	115	1039/37	52	1120,00	109	1148/324	105	1332/85	79	1750/92	41
725/702	115	1037/67	52	1128/500	61	1140/024	110	1332/86	79	1758/40	61
725/702	115	1037/41	52	1120/300	72	11/0/22/	105	1332/00	148	1/30/40	66
		1039/50		1120/E10		1148/326	110	1382/21		1750//1	
725/711	115		52	1128/510	61	44/0/000			148	1758/41	61
725/721	115	1039/56	52		72	1148/339	105	1382/80	148	1758/49	61
725/722	115	1039/61	52	1129/52	134	1148/34	108	1382/81	148		66
752/20	82	1039/69	52	1130/1	71	1148/4	146	1382/82	148	1783/1	126
752/33	81	1039/74	53	1130/100	73	1148/45	109	1382/85	148	1783/1L	126
752/60	82	1039/75	53	1130/120	73	1148/46	109	1145/510	66	1783/15	126
786/11	73	1039/78	53	1130/55	71	1148/47	109	1706/5	40	1783/321	41
	78	1039/79	53	1131/4	62	1148/48	109	1706/6	40		137
	139	1039/80	52		73	1148/50	108	1706/60	40	1783/322	41
786/12	61	1039/82	52	1132/53	72	1148/59	108	,	53	,	137
	66	1039/90	52		77	1148/6	146	1706/61	41	1783/323	41
	78	1039/100	52	1133	71	1148/61	62	1700,01	53	17007020	137
786/13	78	1037/100	52	1133/1	71	1140/01	73	1706/7	53	1783/324	41
										1/03/324	
786/15	78 70	1071/11	20	1133/10	71		110	1706/8	53	4500/0/0	137
787/1	79	1071/12	20	1133/20	71		138	1708/1	61	1783/362	41
787/2	79	1071/13	20	1133/35A	77		139		66		137
788/22	79	1071/14	20	1133/50	71	1148/62	67	1708/955	66	1783/431	41
	79	1071/15	21		72		110	1716/1	40		137
	82	1071/17	20		77		138	1716/2	40	1783/432	41
788/52	79	1071/18	20	1133/55	72		139	1716/4	53		137
	82	1071/20	22	1139/2	53	1148/63	110	1716/50	40	1783/433	41
788/54	79	1071/3	23	1140/1	71	1148/64	110	1716/50	53		137
788/58	79	1071/31	21	1140/12	71	1148/70	82	1716/51	40	1783/434	41
789/3	79	1071/32	21	1140/50	72	1148/75	82	•	53		137
789/51	79	1071/4	23	1140/51	72	1150	71	1716/60	40	1783/651	41
789/5B	62	1071/42	21	1140/53	72	1150/1	71	1710,00	53	1700/001	126
767/36	67	1071/42	21	1140/55	72	1130/1	73	1717/11	53	1783/651L	126
	79		21		72		139		23		126
		1071/44		1140/56		4450/004		1717/12H		1783/651S	
	138	1071/55	22	1143/53	99	1150/301	73	4545/0	40	1783/661	41
/	138	1071/56	22	1143/60	98	4.470 (000	139	1717/2	23	4=00//0	126
789/6B	61	1071/62	22		99	1150/302	73		53	1783/69	38
	66	1071/7	20	1145/342	110		139	1722/11	131		126
	79	1072/59	80	1145/500	61	1150/35	77	1722/11SA	131	1783/703	41
821	149	1083/14	39		72	1150/50	72	1722/11VM		1794/4A	62
824/500	61	1083/15	39		73		77	1722/62	131	1810/40	39
	72	1083/16	39		139	1150/51	72	1722/71	131		61
925/020	113	1083/17	38	1145/51	62		77	1722/71SA	131		66
925/022	113		105		73	1150/55	72	1722/71VM		1810/70	61
925/024	113		108		98	,	77	1722/81	132	,	66
925/026	113		114		98	1158/11	104	1722/82	132	2841/1	149
925/028	113	1083/19	39		105	1158/12	104	1740/18	53	2841/2	149
925/030	113	1003/17	137		110	1158/13	104	1740/10	61	3850/1	149
925/101	113	1083/20A	38		138	1158/14	104		66	4203/11	147
	113	1003/20A	137		139		104	17/0/20			147
925/102				4445/540		1158/20		1740/20	61	4203/50	
925/103	113	4000/0=	139	1145/510	61	1158/21	104	1740/40	53	4311/701	80
925/104	113	1083/25	39	!	72	1158/22	104		61	4501/5	53
925/105	113	1083/27	39	1145/52	67	1158/41	105		66	4850/1	149
925/106	113	1083/40	38		98	1158/42	105	1740/86	61	5150/53	61
925/107	113	1083/50	38		99	1158/43	105	1740/90	61		72
925/108	113	1083/55	38		105	1158/44	105	1740/92	53	7057/234	62
925/204	113		126		110	1158/45	104		62	7057/235	62
925/206	113	1083/6	39		138	1158/46	104		67	8202/1	83
925/208	113	1083/62	39		139	1158/47	104	1740/93	41	8203/1	83
925/210	113	1083/63	39	1145/53	98	1158/48	104		53	9000/230	78
925/212	113	1083/67	38		105	1158/50	104		62	9854/41	134
925/214	113		145		110	1158/59	104		67	9854/43	73
925/216	113	1083/69	38	1145/54	99	1158/61	105	1740/95	53		77
925/218	113	1000/07	79	0, 54	105	1158/611	105	1740/955	66		80
925/218	113		131		110	1100/011	110	1740/955 1742/13A	67		82
		1002/75		11/5//7		1150//10				005//50	
925/222	113	1083/75	38	1145/67	66 77	1158/612	105	1742/13A	114	9854/53	62
925/224	113	4000/	126	44.01-	77	44561146	110	1748/101	62	005//==	67
925/228	113	1083/77	39	1148/1	146	1158/613	105		138	9854/55	72
925/611	114	1083/78	39	1148/11	108		110	1748/107	67	9854/56	62
925/612	114	1083/79	39	1148/12	108	1158/614	105		138		67
955/40	67	1083/8	39	1148/13	108		110	1748/22	66		72
956/71	133	1083/80	38	1148/14	108	1158/62	105		67		72
956/72	133	1083/9	39	1148/18	108	1158/624	105		138		73
956/81	132	1083/9	139	1148/2	146		110	1748/40	61		77
956/82	132	1083/90	38	1148/20	108	1158/626	105	•	66		77
1032/81	79	1083/92	38	1148/21	73		110	1748/49	61		82
1032/61	67	1083/72	41	0, 21	108	1158/63	105	1,40/4/	66		02
1033/23								17/0/770			
	77 11/	1102/52	104	11/0/00	139	1158/639	105	1748/770	62		
400=/:-	114		109	1148/22	73	4486111	110	4= 14 !	138		
1035/67	66	1110/74	67		108	1158/64	105	1748/795	67		
	77		77	1148/311	105	1158/74	67		138		
1039/1	52	1112/39	134		110		77	1748/92	61		
1039/12	53	1122/60	132	1148/312	105		105		62		
1039/13	53	1122/31	134		110		108		138		
1039/17	53	1122/60	126	1148/313	105	1183/5	40	1750/1	40		
1039/18	53	•	131		110	-	139	1750/5	40		
1039/20	52	1122/601	135	1148/314	105	1183/502	41	1750/50	41		
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### PROTECTING ACCORDING TO URMET

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CODE	P.	CODE	P.	CODE	P.	CODE	P.	CODE	P.
1090/190	188	1092/225	179	1092/603	191	1093/135M2	241	1093/528	235
1090/545	172		180	1092/621	192		245	1093/600	216
1090/546	172		181	1092/676	194	1093/136M1	241	1093/654M2	243
1090/547	172	1092/250	229		196		244		244
1090/549	172		230		197	1093/137M2	241	1093/800	223
1090/550	172	1092/251	229	1092/677	194		245	1093/900	266
1090/551	172		230		196	1093/147	243		267
1090/552	172	1092/270	229		197	1093/172M2	242	1093/908H	248
1090/553	172		231	1092/678	195		246		250
1090/717	188	1092/271	229		196	1093/173M2	242	1093/908HP	248
1090/726	189		231		197		246		251
1090/727	189	1092/272	229	1092/685	195	1093/174M1	242	1093/916HP	249
1090/730	189		231		195		246		251
1090/807	173	1092/290	176	1092/693	192	1093/184M11	261	1093/932H	248
1090/809	173	1092/291	176	1092/694	192	1093/184M12			250
1090/813	188	1092/292	176	1092/700	194	1093/184M14		1093/932HP	249
1090/814	188	1092/300A	272	1092/701	194	1093/184M15			251
1090/829	188		273	1092/703	194	1093/184M16		1093/KHD4	283
1090/836	188	1092/301	273	1092/704	194	1093/300	211	1093/KHD8	283
1090/837	188	1092/302	273	1092/705	192		214	1094/102N	276
1090/840	188	1092/303	274		195	1093/302A	212	1094/103N	276
1090/850	188	1092/304	274		195		214	1094/104N	276
1092/129A	183	1092/316	274	1092/706	192	1093/308	212	1094/106N	276
	184	1092/400	200		195		215	1094/150N	276
1092/136A	185		202		195	1093/311	213	1094/202N	278
	186	1092/401B	200	1092/707	192		215	1094/210	279
1092/142B	183		202		195	1093/504A	221	1094/301	277
	184	1092/407	200		195		222	1094/302	277
1092/145A	185		203	1092/729	189	1093/508A	221	1094/303	277
1092/147	213	1092/419B	200	1092/731	189		222	1094/304	277
	229		202	1092/732	189	1093/516A	221	1094/306	277
1092/151	183	1092/421	201	1092/800	188		222	1094/307	277
	184		203	1092/801	188	1093/524	233	1094/308	277
1092/165A	169	1092/427	201	1092/804	188		234		
1092/209B	179		203	1092/830	173	1093/525	233		
	180	1092/500	172	1092/832	173		234		
	181	1092/503	172		188	1093/526	233		
1092/218A	177	1092/505	172	1092/895	174		234		
	178	1092/506	172	1092/896	174	1093/527	233		
1092/219A	177	1092/507	172	1093/134M1	241		235		
	178	1092/603	190		245	1093/528	233		





# Urmet. Quality Communication and Security.

Urmet S.p.A. designs, develops and manufactures its products in compliance with UNI EN ISO 9001 standards. This internationally acknowledged certification attests to Urmet's status as a brand leader in the Communication and Security industry and to the all-round quality of its procedures, products and services.





All Urmet products bear the  $\textbf{C}\, \textbf{E}$  mark.

2Voice, IperVoice, IperHome, IperView, Ago, Agorà, Aiko, Arco, Atlantico, BiBus Vop, DigiVoice, Duo, Elekta, Elekta Steel, Exigo, Folio, i-Modo, Modo, t-Modo, Mikra, Mikra Exigo, Nexo, Signo, Miro, Sinthesi, Sinthesi Steel, Smyle, Utopia are registered trademarks of Urmet S.p.A.





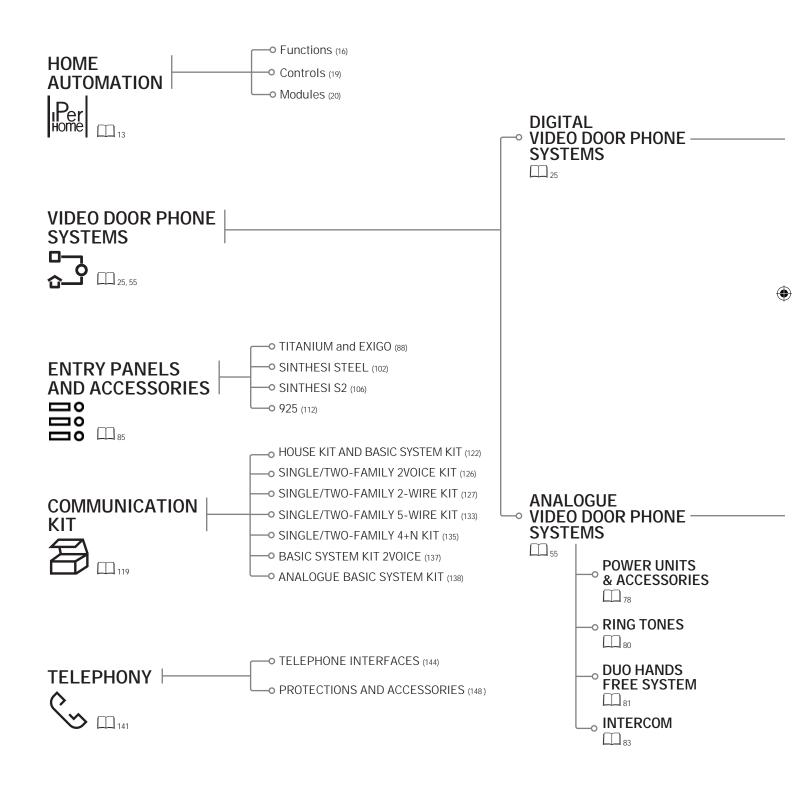


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### **REFERENCE GUIDE:**

### COMMUNICATING ACCORDING TO URMET







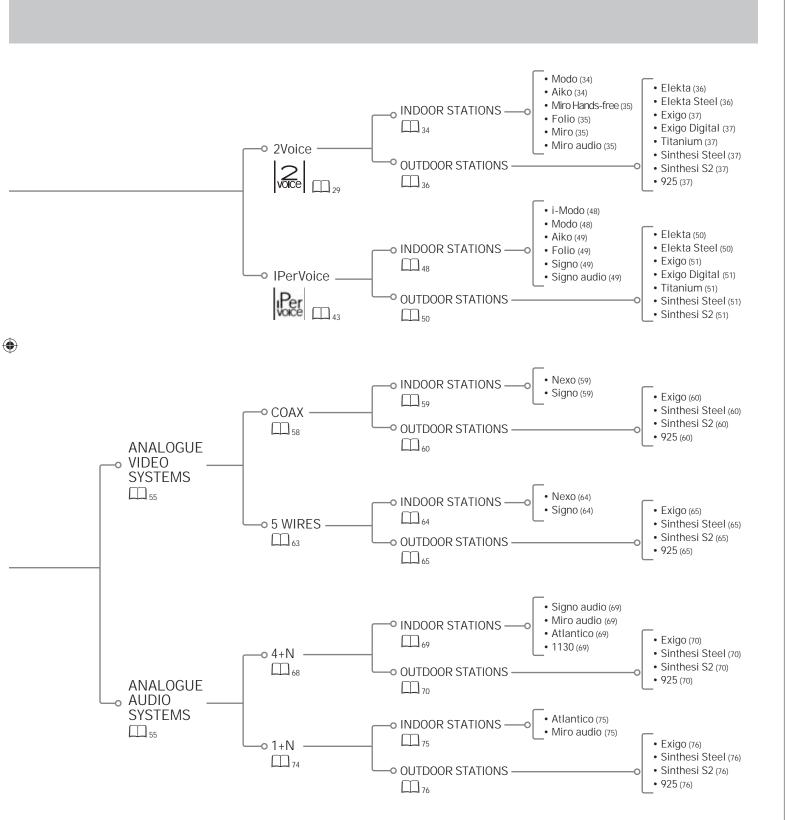
### Choose your task and discover what you need.

The tree diagrams contained in these two pages and in the

following ones allow to obtain names and references of the products required to make up and install the desired systems. Simply choose a range and follow the line from left to right, choosing the products that meet your

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needs, to find the number of the pages containing details on the relevant products.



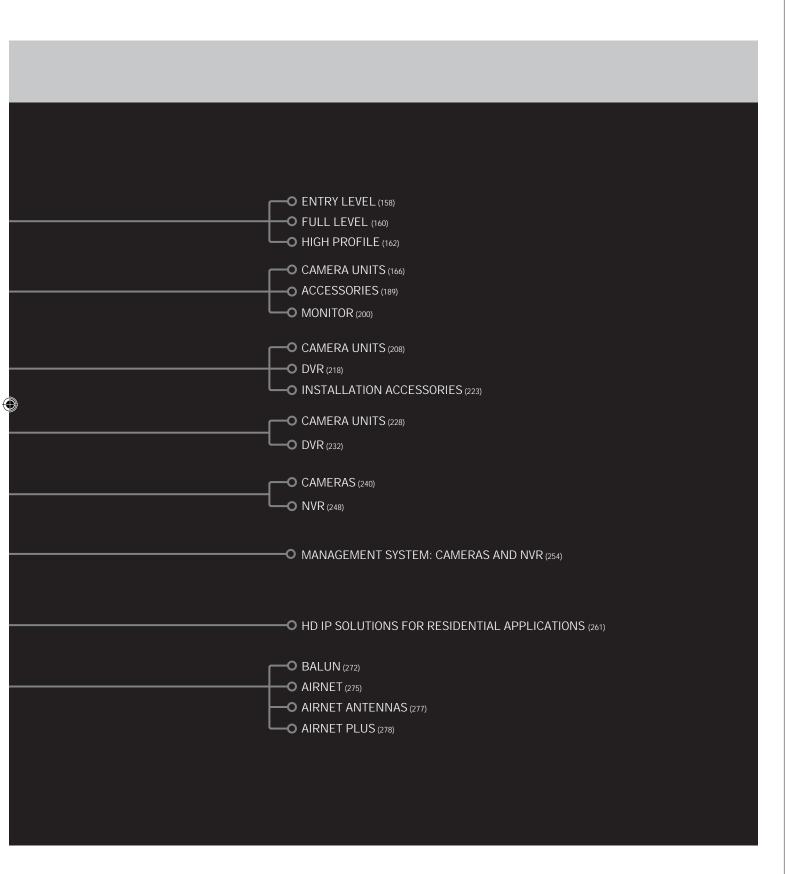


### **REFERENCE GUIDE:**

### PROTECTING ACCORDING TO URMET







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### **URMET GROUP**

# Urmet Group. Communication, security energy and automation. All over the world, in every project.

Urmet Group means integration of expertise and international dimensions, to offer global solutions to its partners. Born in Italy, the Group was able to develop internationally and now it has a significant presence on the world market. Urmet Group designs, develops

and markets products and systems in the communication and security sectors, as well as in energy management and saving, telecommunications and building automation.

In Italy it is a leader brand for video door phone systems, telephone systems, automation applications and

access control systems, professional intrusion alarm systems, fire alarm and video surveillance systems and for home & building automation; from private homes to town redevelopment planning, up to large public infrastructures Urmet Group offers a complete range of products and

services, aiming at being a global partner for its full and thorough know-how, industrial skills, product quality and service efficiency.



### SYSTEMS FOR INTEGRATED COMMUNICATION AND SECURITY

Systems and products for video door phone, intrusion alarm, access control, fire alarm, video surveillance, wiring systems.



### SYSTEMS FOR ENERGY MANAGEMENT AND SAVING

Heat metering and management systems; renewable energy



### TELECOMMUNI-CATION SYSTEMS AND SOLUTIONS

Terminals, Telemetry Systems, Road Lighting, Public Telephone Network Systems, Heat Exchangers, Transport, Remote Management Systems.



### SYSTEMS AND PRODUCTS FOR BUILDING AUTOMATION

Advanced building automation systems, multi-purpose systems, electronic modules for the automation of electric systems and implementation of multi-controls and centralisations

### **URMET** GROUP







### **URMET IS IN YOUR LIFE**

### Urmet. In everybody's life. Every day.

Urmet is an Italian company established in 1937. It designs, develops and sells building automation products and systems. A Communication, Security and Building Automation specialist, the company stands out for its flair for innovation and for the

development of kits that speed up installation and simplify function management, for residential, office and industrial buildings. The broad range of products provides an exhaustive choice of technological and aesthetic solutions. Home Automation, Door Phone and Video Door Phone Systems, Telephony, Room Control, Professional Intrusion Alarm, Video Surveillance and Fire Alarm systems: solutions for every industry, developed in line with market demands. Urmet has an extensive and

reliable service network. Italian Customers enjoy the benefits of Urmet's Sales and Service network, which has a widespread presence on the territory, with an extensive network of sales agents and Service centres.



### **COMMUNICATING**

Technological solutions for Home Automation, Door Phone, Video Door Phone and Telephony systems.



### **PROTECTING**

Intrusion Alarm, Fire Alarm and Video Surveillance systems and devices.



### **MANAGING**

Building automation and remote control solutions for communication and security systems.



### KITS

Ready solutions to meet Communication and Security needs.



GENERAL CATALOGUE 2015/2016



### **SERVICES**

URMET: OUR SYSTEM IS CENTRED AROUND OUR CUSTOMERS

### Pre-sales and after-sales services

### SALES NETWORK

Urmet accompanies its customers in all their working phases, from the choice of the best solution to assistance in guaranteeing a complete and accurate service. The sales network is diffused all over the national territory. Urmet customer service responds in real time to doubts or installation needs and the Service Centres are specialised so as to assure competent and punctual support.

### Software



8

domus

### DOMUS DRAW

An **automatic quoting**, system, with a simple interface allows to visualise and choose the components of the installation and to obtain the quote in just one click. A practical, useful and always updated tool.



### **DOC PROGET**

This Urmet software has been thought for those who need to design door phone or video door phone systems: all you need is to specify the required system and the number of users and Doc Proget will **supply all the specifications** with the complete solutions of the required components.

### Technical documentation

### **TECHNICAL HANDBOOKS**

**Technical data, equipment and installation systems**: a collection of all data indispensable for work. An effective support for study and widening possibilities.





### Web

### www.urmet.com

The Urmet website has been thought as a valid work support which helps the designer, the wholesaler and the installer in finding all technical data useful to their work. Moreover, a wide space for images and the presentation of the new products permits customers and architects to always be updated on the evolution of the product range.

### www.cloud.urmet.com

The future of video surveillance is on the cloud! Urmet Cloud allows to control your house, shop and office easily and quickly: cameras connect to the Wi-Fi network available at the installation site with no need of router configuration; through Urmet Cloud portal and app, available for Apple®  $iOS^{TM}$  and Google® Android<sup>TM</sup>, it is possible to register your cameras and check them through a single user account from smartphone, tablet and PC. And with the new hNVR it is possible to increase the recording capacity of the cameras.

### www.myurmethome.com

My Urmet Home allows to use your smartphone or tablet to have full control on your theft alarm. You can display the status of your system and activate or deactivate it totally or partially. And, in addition to intrusion alarm, video surveillance as well! With My Urmet Home you can access the images of surveillance cameras connected to your Urmet control unit 1067.

### www.iperhome.com

IPerHome is the home automation system where all technological know-how of Urmet Group merges, integrating video door phone, video surveillance, intrusion alarm, gas and smoke detector system, automation, energy saving system, audio system and Internet connectivity. It is possible to register your server and access the control interface of your system through IPerHome portal.

### www.yokis.com

The range of Yokis digital modules allows to design multi-controls and centralisations for lights and shutters with no two-way switch, inverter or home automation system, using only electric cable and wall-mounted pushbuttons. Yokis modules communicate via radio or driver wire built with a standard cable. Programming is achieved with standard buttons, with the possibility to easily create customised scenarios and settings at low cost for end customers.

### **NFWSI FTTFR**

Product novelties, events, promotions and courses: **the voice from the Urmet world** for a continuous updating on the Group's offers. To receive the newsletter, please register to www.urmet.com.

### Training

### COURSES

Meetings to present novelties, courses on new systems and products - opportunities to develop direct contacts with clients and furnish answers to their needs.



GENERAL CATALOGUE 2015/2016



### **SHOWCASE**

### The 2Voice developments

2Voice renews itself and now it is even more convenient. The new Miro monitor, in video and audio-only version, increases the design style range and makes the choice of 2Voice more convenient to create audio systems, also thanks to a new door phone system basic kit.

NEW AT URMET: NEW MONITORS AND KITS FOR 2VOICE, CLOUD VIDEO SURVEILLANCE

### The new Miro monitor

Miro is the new Urmet indoor station available in video, audio and hands free versions that allows to exploit the 2Voice system to its full potential, also for audio or mixed systems. The cost of the audio version, in fact, makes the choice of the digital technology more convenient, also for door phone systems, with the advantage of shifting to video door phones without having to reconfigure the entire system. Besides the three standard buttons for ancillary services and the presetting for people with hearing aids, Mìro video version features a wide 4.3" colour display.

### The new 2Voice kits

The 1183/502 2Voice audio kit includes two Miro intercom units, a 2Voice power unit, and a Sinthesi S2 entry panel. It is a perfect and cost-effective basic kit for door phone systems, but it easily allows to expand the system, since it permits to shift to a video door phone system only by using 2 non-polarised 2Voice wires, already supplied. The 1783/703 kit features a power unit and a Sinthesi S2 entry panel with digital call module; it is the simplest and most versatile solution to have a modern 2Voice system, allowing customers and installers to choose the terminals. The new single and two-flat colour kits offer the new Miro in combination with the Sinthesi S2 entry panel. Perfect for single and multi-family houses.

### Prodel artistic entry panels

The artistic entry panels manufactured by Prodel S.r.l., an Urmet Group company specialised in this type of products, are ideal for antique buildings, valuable houses, single and two-family homes where it is necessary to achieve a high-class design style, keeping all the functions of Urmet video door phone systems



### 2VOICE

The system preferred by the installers Pag. 29



### MIRO

The beautiful, versatile and cost-effective monitor Pag. 35



### 2VOICE KIT

Quality and convenience in one box Pag. 119





### EXIGO / TITANIUM

The combination of style and technology Pag. 88





### The Cloud video surveillance

With Urmet Cloud you can control your home, shop, office or company from anywhere in the world, through PC, PDA or smartphone. You can achieve great results in terms of security at a low cost. Thanks to Urmet Cloud you can register your cameras to be able to check images at any time and from anywhere, through a single user profile, from PC, smartphone, tablet and smart TV!

### CCTV news: AHD, IP and UVS

Urmet's CCTV new range includes analogue and IP products in standard definition and HD and has been designed to offer installers and customers more features and more services. Thanks to P2P and DDNS functions, it is easy to connect DVRs and camera units to the network to allow their control through UVS software: a unified platform for video surveillance systems management.

### **Building automation**

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Sinthesi S2 is Urmet's new modular entry panel with a new design, improved-quality finishes and a revisited aesthetic impact featuring cleaner and more outstanding features. With Sinthesi S2, Urmet revamps the most well-known and appreciated entry panel on the market, improving its functionality and performance. The innovative and stylish finishing of this aluminium entry panel lends it a more refined look, while the colour camera units and the new module range now offer a wider range of technical features to choose from.

### THE TECHNOLOGICAL NEWS: VIDEO SURVEILLANCE



### URMET CLOUD Video surveillance in mobile mode

Pag. 257



CCTV Superior by definition Pag. 155



### **IPERHOME**

A house living with the people inhabiting it Pag. 13



<sup>\*</sup> Please contact our sales network to verify product availability.





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12 Urmet



13



# HOME AUTOMATION

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# HOME AUTOMATION THE URMET'S WAY

# Communication, security and cost-efficiency within a single modular and flexible system.

IPerHome offers more comfort, functionality, control and cost-efficiency.

### MORE QUALITY TO YOUR LIFE

Comfortable, safe, smart. With IPerHome, your house will simplify your life, adjusting to every moment, every day, every season. IPerHome improves the quality of your life by improving the efficiency of the energy systems and allowing their remote control.

### TECHNOLOGY AT YOUR SERVICE

IPerHome perfectly integrates communication systems, security and cost-efficiency. With IPerHome, your systems will communicate to adapt to your routine, to protect your family and give you more comfort.

### A SMART AND SCALABLE SYSTEM

IPerHome is a modular system, as it works without control units and makes you implement, change and widen your system's functionalities whenever you need, without having to operate on the system's architecture or to modify the wiring. This brings four great advantages:

- low installation cost
- implementation of the necessary functions only
- no building works for further modifications
- higher reliability, thanks to the independence and autonomy of every component.

### OUR BEST FOR YOUR ENERGY SAVING

IPerHome makes you reach the highest performances defined by the CEI 64-8 and EN15232 regulations, making you save up to 26% for heating and conditioning systems, and up to 15% for the electric consumption.









TELEPHONY





# New horizons and many possibilities for the design, installation and use of technological systems.

Easy to design, re-design, install, modify and use.

### A SYSTEM BASED ON A SINGLE WIRING

The IPerHome devices are linked to a field bus that may be composed by different wiring types.

### COMPATIBLE WITH THE MOST COMMON WIRING SYSTEMS

All the devices composing IPerHome are placed in flush-mounting boxes, junction boxes or electric panels, and they can be combined to standard buttons, control devices and sockets. This is why IPerHome is compatible with the wiring systems of the leading manufacturers.

### URMET VIDEO-DOORPHONES ON BOARD

The digital video-doorphones 2Voice and IPerVoice are designed to be combined with the IPerHome system. Their integration is simple and just as efficient as the top quality communication and security services that we offer to our clients.

### INTEGRATION WITH THE SECURITY SYSTEMS

IPerHome can easily control the Urmet 1067, Elkron MP500 safety systems, and many more from the leading manufacturers.

### IN COMPLIANCE WITH THE HBES REGULATIONS

The IPerHome output modules are designed in compliance with the technical regulations of the European Committee for Electronic Standardization for HBES systems (Home and Building Electronic Systems), and in particular to regulations EN 50428, EN 60669-2-1 and EN 60699-1.



# IPERHOME: FUNCTIONS

### 01.



# Lights and sockets automation

To turn on or off the external and internal lights, the power sources of the sockets and the lights of the rooms depending on external conditions.

02.



# Shutters automation

To control the opening and closing of shutters and blinds.

### 03.



# Light intensity adjustment

To adjust the light intensity for any kind of lamp (directly or in programmed mode) thanks to a module that interfaces to many of the different dimmer types available.

04.



# Electric load control

To control at any time the activation of the electric loads. This function can be programmed and timed.

05.



### Thermoregulation

A split management of the heating and conditioning systems provides the optimal temperature any time to every room.

06.



# Metering of energy consumption

It is possible to check the instant consumptions of gas, water and electricity.





07.



### Digital videodoorphones

To connect the digital video-doorphones Urmet 2Voice and IPerVoice, and to benefit of all the services they imply.

09.



### Video surveillance

To manage the surveillance cameras and view the images also remotely.

11.



# Music library management

You can store and play your favourite tracks and play lists through an audio system connected to the IPerHome server. Your tracks can be stored on a NAS linked to the home network, or on the hard disk of a Server Pro.

08.



### Intrusion alarm

IT is possible to connect the intrusion alarm, to manage and control its function remotely, and to programme it depending on the temporary environmental parameters.

10.



### Remote control

IPerHome can be connected to the Internet, to manage and set the functions from a PC, tablet, smartphone and smart TV through a simple web browser.

12.



# Technological alarms management

To receive an e-mail or SMS notification in case of a malfunction of one of the devices managed by IPerHome or in case of faults in the water, power, gasand other supplies.





# IPERHOME: FUNCTIONS

### Your house revolves around you.

IPerHome lets you set up the combined functioning of the devices controlled by the system to create your scenarios: from lights and appliances to the opening or closing of shutters and blinds; from the activation of conditioning system to the control of the security ones, like video surveillance and intrusion alarms. The scenarios can be activated as follows:

- > Locally: in case you don't have an IPerHome server, during the installation you can create fixed scenarios to activate through wall buttons or control monitors.
- > Remotely: using an IPerHome service and the interaction interface, you will be able to modify the settings through any fixed or mobile device connected to a web browser.

These are some of the scenarios you will be able to create:

### SCFNARIO 1



### Good morning

Before you wake up, the system turns off the external lighting and sets climate control in the bathroom and kitchen; opens the shutters in the living area of the house and, after a few minutes, even the ones in the bedroom area. Power sockets of the coffee machine and TV in the kitchen are powered on. The perimeter intrusion alarm system is disabled.

### SCENARIO 2



### Cinema

The system turns off the lights in the bedroom area, powers on the home-theatre system, lights in the living room are soft and cosy; shutters close and perimeter security system is armed. The climate control system sets the right temperature according to the weather.

### SCENARIO 3



### Party

You go out: the system closes the shutters, the intrusion alarm system is on in perimeter and volumetric mode, lights are off and all electric items, except the fridge and the freezer, are powered off. The system arms external video surveillance and the internet connection that will allow you to check room and system status.

### SCENARIO 4



### Good night

The climate control system for the bedroom area of the house is specially set. The system closes the shutters, turns the lights off except, until a certain time and with a low intensity, the ones in the bedroom. The intrusion alarm system is armed in perimeter mode. The system starts the operating cycles of washing machine and dishwasher.



URMET



### **CONTROL**



### Local control of the system

Wall controls: simplicity at one click







It's easy to control IPerHome thanks to the normal buttons and wall control devices. A click is all it takes to activate a scenario, to modify the conditioning settings or to turn on and dim the lights. IPerHome is compatible with most of the wiring systems

available on the market.
Together with Simon Urmet's
Nea system, it is possible
to have elegant blue LED
buttons that indicate the state
of the associated function.

Monitor control: more powerful, more extended.



An Urmet Modo or i-Modo monitor will make your IPerHome experience even more enjoying. The graphic interface is simple and intuitive. Moreover, besides the useful functionalities of the Urmet video-doorphones, the monitor offers the possibility

of controlling the energetic consumptions, the video surveillance and to manage the system through a map of the house.

### Remote control

For PC, smartphone, tablet and smart TV.



By connecting the IPerHome server to the Internet, you will be able to control your system wherever you are.

The IPerHome software allows control via Internet browser, and therefore guarantees universal compatibility, with non-up-to-date devices as well. All functions of your IPerHome system are thus available through PC, tablet, smartphone and smart TV, via the web browser installed on the device used to establish the connection.

Your house at a click of the mouse.



To enable the remote control, you can register a thirdlevel domain namesurname. iperhome.com. By browsing this address, you will access the system and the remote control through a safe and coded connection.





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### **IPERHOME MODULES**



1071/18



1071/17



1071/7







1071/13



INPUT MODULES

1071/18	<b>®</b>	Module for eight control switches: the module detects the activation or deactivation of the wall switches, and sends the signal to the output modules through the bus. Each module of this kind connects eight switches (or four double-function switches), and thanks to its small size it can be installed in a three or four-module flush-mounting box, or to a 2.3 inches diameter one. Dimensions (W x H x D) in inches: 1.5 x 1.1 x 0.5 - rated CUs: 1
1071/17	<b>©</b>	Notification LED: in case you are using the Simon Urmet's Nea wiring system buttons, you can use this device to receive from the switch a LED notification about the state of the system.
1071/7	<b>©</b> *	Seven-input module for consumption analysis: it connects seven switches, sensors or consumption detectors (or four of them, three of which with a double function) with an opto-isolated output, in compliance with the EN62053-21 standards. The module can connect to up to four detectors. A single module can therefore analyse the consumptions of electricity, water, gas, etc. To view the instant or definitive consumption data, it is necessary to connect an Urmet Modo or iModo monitor or an IPerHome server to the system, thus allowing the PC, tablet, smartphone and smart TV connection.  Dimensions [W x H x D] in inches: 1.4 x 2.2 x 3.5 - rated CUs: 3 - DIN modules: 2



RELAY OUTPUT MODU	JLES
1071/11 📵	Single-output module 16A: a compact relay module that can be installed in three or four-module boxes, or in 2.3-inches ones, as well as in junction boxes. It features two supplementary local inputs to control the relay in step mode.  Dimensions (W x H x D) in inches: 2.8 x 2.3 x 0.9 - rated CUs: 2.5
1071/12 🖲	Double-output module 16A: the two-relay module can be installed in four-module flush-mounting boxes or in junction boxes. It can be used to manage two devices or to interrupt phase and neutral towards a single appliance. It features four local inputs to control the two relay in step mode. Dimensions (W x H x D) in inches: 3.9 x 2.5 x 1.1 - rated CUs: 4
1071/13 🖲	Generic four-output module: it is provided with four potential free relay contacts. It allows to control 230 Vac and low-voltage loads. In the first case, it can disconnect phase and neutral at the same time. Dimensions (W x H x D) in inches: 2.8 x 2.2 x 3.5 - rated CUs: 6 - DIN modules: 4
1071/14 📵	Four outputs disconnector module: it is similar to the 1071/13, but it was designed to distribute the (solid) neutral wire on four outputs and the phase towards four different loads through four 16A disconnecting relays. Input neutral and phase come from a single magnetothermic switch.  Dimensions (W x H x D) in inches: 2.8 x 2.2 x 3.5 - rated CUs: 6 - DIN modules: 4





TELEPHONY





LIGHT DIMMI	ING AND SHUTTERS CONTROL
1071/15 📵	Dimmer control module 0/1-10V: this module is provided with four analogue 0/1-10V outputs, and it allows to control up to four dimmers of the most common modules, fitting different types of lights (fluorescent, incandescent, energy-saving, LED-types, etc.). Dimensions (W x H x D) in inches: 1.4 x 2.2 x 3.5 - rated CUs: 2.5 - DIN modules: 2
1071/42 📵	Two-motor DIN module:  it can be installed on a DIN bar to manage two different motors. It receives phase and neutral from a magnetothermic switch, and manages every motor through three cables, controlling their interlocking.  Dimensions (W x H x D) in inches: 2.8 x 2.2 x 3.5 - rated CUs: 3.5 - DIN modules: 4
1071/43 📵	Single motor module: the module can be installed in the box instead of the DIN bar, and controls only one motor. It is equipped with two local control inputs that manage the motor in two directions and command its locking. Dimensions (W x H x D) in inches: 2.8 x 2.3 x 0.9 - rated CUs: 2.5
1071/44 📵	Two-motor module:  it is similar to module 1071/42, but it can be installed in the motor box instead of the DIN bar. It is equipped with two inputs for each motor, to obtain the two-direction local management. It controls the locking.  Dimensions (W x H x D) in inches: 3.9 x 2.5 x 1.1 - rated CUs: 4

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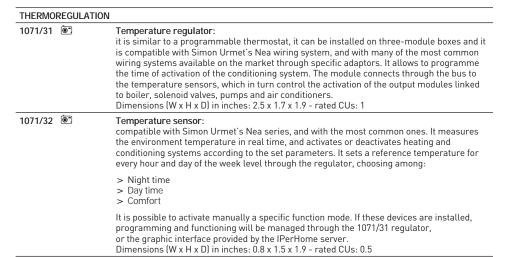
1071/15



1071/42



1071/43





1071/44



1071/31



1071/32



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# IPERHOME MODULES



1071/20



1071/55



1071/56



1071/62

INTERFA	CE AND POW	ER SUPPLY
1071/20	<b>©</b>	Power supplier: accepts an input voltage of 100-240 Vac, and is installed on the DIN bar. It supplies 100 (unit loads) CUs. Each module absorbs a given amount of CUs. If the total absorption of the modules exceeds the maximum capability of the power supply, it is possible to install auxiliary power units.  Dimensions (W x H x D) in mm: 78 x 56 x 93 - DIN modules: 4.5
1071/55	<b>6</b>	Modo interface: it connects to the Urmet Modo monitor to integrate Urmet's digital video-doorphones to IPerHome. The installation of this device will let you use the video door phone monitor to:
		> Activate the scenarios through a simple and intuitive interface > Manage the alarm signals sent to the Modo monitor and, if any, to the telephone exchange > View the instant energetic consumptions of the energy meters connected to the 1071/7 modules Dimensions (W x H x D) in mm: 40 x 30 x 14 - rated CUs: 0.5
1071/56	<b>©</b>	Bus interface configuration tool: is installed in the electric panel, and is equipped with a USB port to connect to the PC. By installing the IPerSet software on the PC, it will be possible to set up the entire system. It works as an interface between the bus and the server (if any) Dimensions (W x H x D) in mm: 36 x 58 x 90 - rated CUs: 1 - DIN modules: 2
1071/62	<b>©</b>	Intrusion alarm interface: through an RS485 interface, it lets you connect the Urmet 1067 and Elkron MP504 and MP508 system to the server (if installed). In this way, intrusion alarm and IPerHome will be perfectly integrated, and it will be possible to control the state of the systems through an iModo monitor or a local or remote terminal. Dimensions (W x H x D) in mm: 109 x 91 x 30







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TELEPHONY





SERVER A	ND MONITOR	2
1071/3	<b>©</b> "	Basic Server: the first server to introduce you to the IPerHome advanced functions. It can be installed on a DIN bar as well. It can be linked to IPerBus through the module 1071/56, and to the intrusion alarm control unit through the 1071/62 module. It allows to:
		> Connect the system to the Internet, thus enabling the remote control > Manage the video surveillance camera in snapshot mode > Manage the music libraries uploaded on the NAS > Manage 100 points, 3 maps, 8 scenarios > Connect up to 2 users at the same time Dimensions (W x H x D) in inches: 2.5 x 4.4 x 1.3 - DIN modules: 4
1071/4	<b>®</b> "	Server Pro: it is a fanless PC with Atom processor and Windows operative system. It connects to the IPerBus through the 1071/56 module, and to the intrusion alarm control unit through the 1071/62 one. The server can be installed also on the DIN bar. It offers all the Server Basic advantages, plus:
		Nanagement of the graphic maps Management of more scenarios and controls at the same time Management of two more bus besides IPerBus Data storage hard disk Management of 600 points, 8 maps, 48 scenarios Up to 4 users connected at the same time Bus managed: IPerBus, KNX, Dali, Modbus TCP, Modbus RTU, IRTrans, Lutron Program the scripts and ad hoc macros developed by Urmet technicians Perform the programming through scripting Dimensions (W x H x D) in inches: 6.6 x 1.5 x 4.3 - DIN modules: 5
1717/12H	<b>⊚</b> *]	Modo 2Voice: A 7" screen, touch-screen interface is the perfect accessory to complete Urmet's digital video-doorphones 2Voice and IPerVoice. If associated to IPerHome, it allows a quick activation of the scenarios and the displaying of the technological alarms.  Dimensions (W x H x D) in inches: 8.6 x 5.0 x 1.3
1717/2	<b>®</b> *	<b>i-Modo IperVoice:</b> IP technology monitor, $7^{\prime\prime}$ screen, Wi-Fi connectivity, touch-screen interface and exceptional multimedia functionality. i-Modo is pure communication freedom, ultimate image quality, safety and comfort as it allows to manage the video surveillance and lift systems all-in-one. Dimensions (W x H x D) in inches: 8.8 x 5.2 x 1.3

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1071/4



1717/12H

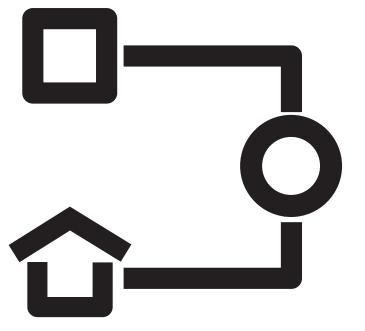


1717/2

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# DIGITAL VIDEO-DOORPHONE S Y S T E M S

2VOICE IPERVOICE

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### **SYSTEM GUIDE**

### SYSTEMS WITH A LOW NUMBER OF WIRES

2Voice pag. 29

**IPerVoice** pag. 43

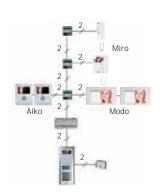
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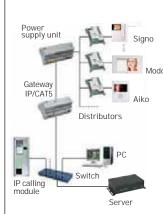
IPerVoice full IP pag. 46

Advantages and applications:
Two non-polarised wires THROUGHOUT for quick
and easy installation. Ideal for villas and large
residential complexes alike: 4 main entrances, 32
risers, 128 users per riser column for a total of 4096
users. Free intercom function with four monitors in
parallel, integral video surveillance, second entrance
management.

Advantages and applications:

Maximum extension: no limit to the number of users, riser columns, switchboards and conversations. Optical-fibre-ready. Ideal for large residential compounds with high integration needs (access control, switchboards, intrusion alarm systems, video surveillance systems, intercom systems). Self-diagnostic system for checking system state.







COMPARISON TABLE	COMPARISON TABLE								
No. of users	4096	No limit	No limit						
Distance between call module and apartment station	1000 m	YES	YES						
Mixed audio/video	YES	YES	YES						
Conversation privacy	YES	YES	YES						
Intercom function	YES	YES	YES						
Main/secondary doors	4 main + (32x2) secondary	No limit	No limit						
Access control integration	YES	YES	YES						
Connection options PABX	YES	NO	NO						
Compatibility with video surveillance system	YES	YES	YES						
Technological alarm compatibility	NO	YES	YES						
Switchboard	YES (1)	YES (No limit)	YES (No limit)						
Use of existing wiring	YES	NO	NO						
Wire	1083/90 (not mandatory)	1039/90 (not mandatory)							
Kit	1783 SERIES	NO	NO						

APPLI	APPLICAZIONI						
	Small systems	YES	NO	YES			
	Medium systems	YES	YES	YES			
	Large systems	NO	YES	YES			

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# COMPATIBILITY TABLE APARTMENT STATIONS / ENTRY PANELS

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SYSTEMS WITH A LOW NUMBER OF WIRES				
		2Voice	IPerVoice	
i-MODO		NO	YES	
<b>MODO</b> cod. 1717		YES	YES	
<b>AIKO</b> cod. 1716		YES	YES	
FOLIO cod. 1706		YES	YES	
HANDS FREE MIRO cod. 1750	00000	YES	YES	
MIRO cod. 1750-1150		YES	NO	
SIGNO cod. 1740		NO	YES	

SYSTEMS WITH A LOW NUMBER OF WIRES				
		2Voice	IPerVoice	
ELEKTA STEEL		YES cod. 1083/16	YES cod. 1039/18	
ELEKTA		YES cod. 1083/15	YES cod. 1039/13	
EXIGO	EXIGO DIGITAL	YES	YES	
TITANIUM	-	YES	YES	
SINTHESI STEEL cod. 1155-1755		YES	YES	
<b>SINTHESI S2</b> cod. 1148-1748		YES	YES	
<b>925</b> cod. 925		YES	NO	



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2 WIRES EVERYWHERE ADVANTAGES ANY WAY YOU LOOK AT IT



TELEPHONY



2 wires anywhere. 128 users per riser. 2 outdoor stations per riser.
32 risers. 4.096 users. 4 main common entries. Up to 1.000-metre distance between outdoor and indoor station. 200-metre distance between power unit and indoor station. 2.400-metre extension in the common section. 800-metre extension at each riser. 4 parallel connected indoor stations (monitors and/or doorphones).
Security cameras per outdoor station. 2 entries managed from a single outdoor

### Ideal for

> Villas with communication and security needs

station. **No need** to replace cables in renovations.

- > Renovations
- > Complexes with up to 4,096 users



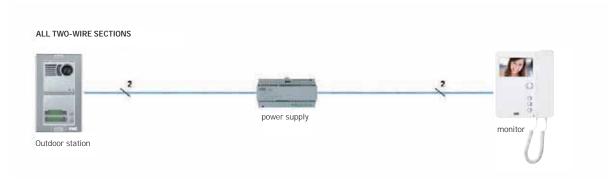
GENERAL CATALOGUE 2015/2016



# 2VOICE: A NUMBER 1 HIT WITH JUST 2 WIRES

### Simple and high performance

The non-polarized two-wire video-doorphone system with the highest performance in the category.



### The advantages



### FROM VILLAS TO LARGE RESIDENTIAL COMPLEXES

A perfect system for installations of all sizes: from villas, to apartment buildings, through to detached home complexes and large multi-building residential complexes.



### PERFECT FOR RENOVATIONS

Uses existing wiring: faster work and possibility of installing innovative, integrated technology solutions also in antique buildings, with no need for masonry work.



### ADVANTAGES FOR INSTALLER AND USER

Unparalleled ease of installation, can't-go-wrong concept, fast maintenance (even with installation live); no service interruption in the event of a short-circuit as branch protection keeps riser operating.

30 Urmet





### Few components, plenty of functions

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### WHAT DO YOU NEED?

2 non-polarized wires and as little as 3 devices:

- > EXPANDABLE INSTALLATION BASE KIT
- > DISTRIBUTOR
- > INDOOR STATION

### WHAT DO YOU GET?

- > 9 MIXED AUDIO/VIDEO SYSTEM WITH ANALOGUE COLOUR CAMERA
- > INTEGRATED CCTV
- > FREE INTERCOM
- > ADDITIONAL SERVICES (SUCH AS STAIRCASE LIGHT CONTROL) WITH NO ADDITIONAL WIRING
- > ADDITIONAL RESIDENT CONTROLLED OUTPUTS TO CONTROL AUXILARY DEVICES

### Easy to install and programme

### 2 WIRES EVERYWHERE, NOTHING MORE

Both for standard video-doorphone and additional functions: intercom, exchange or staircase light control.

### SIMPLIFIED PROGRAMMING

Associated user names and codes from the key panel is quick and easy: thanks to a simple dedicated software, all you need to do is enter home-owner names and send the information to the directory module via Bluetooth.



The dip-switches fitted in each device immediately associate addresses to individual users.



GENERAL CATALOGUE 2015/2016



# 2VOICE: LOADS OF FUNCTIONS THAT ARE REALLY USEFUL TO CUSTOMERS

### Communication and security in a single system



### **INTERCOM**

- > Up to four parallel connected monitors per apartment with free intercom.
- > Multiple wiring configurations; series, star or mixed.
- > Wide communication links point to point for the indoor stations whether or not they are within the same apartment.



### **EXCHANGE**

- > Calls from outdoor station can be taken at the concierge lodge and transferred to individual indoor stations.
- > Users can call exchange at any time.
- > Call transfer to cordless phones.



### VIDEO SURVEILLANCE

- > 2Voice can turn the video-doorphone system into a video surveillance system.
- > Two cameras can be connected immediately to the system.
- > Handles up to maximum 5 cameras when a video switcher is added.
- > Image from individual cameras can be viewed directly in the apartment on the doorphone monitor.



### DOOR ALARM WARNING

> A light indicator on the video-doorphone indicates when the entry door was not closed properly [function can be disabled].

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#### SECOND ENTRY CONTROL

> 2Voice outdoor station incorporates a relay that can be used to operate a driveway gate or a second entry, and can be controlled remotely from the indoor stations.



#### **ADDITIONAL SERVICES**

> The system can be equipped with an additional service with no need to add any devices, such staircase or outside stairs light control, garden irrigation system or any other desired service.



#### TONE SELECTION

- > All **2Voice** indoor stations provide call volume control.
- > The Mute function turns off audio and muted mode is indicated on the device.
- > Broad choice of tones and ring tones that can be associated to different call types (floor call, call from exchange or outdoor station).



#### **TELEPHONY**

> Possibility to interface with a Pabx or telephones, even wireless, wireless telephones in the apartement.





## **DESIGN AND VERSATILITY**

The Urmet apartment unit range is the most complete and flexible on the market, offering a wide variety of doorphone styles and monitors, all compatible with analogue and digital systems. Technology and design are key in the development of all new products: like the new

Modo and Aiko hands-free devices and the new Folio soft-touch version, for technology suited to all styles.

Urmet develop its new products with hearing aid compatibility in mind. t-Modo, i-Modo, Modo, Aiko, Folio and Signo can emit

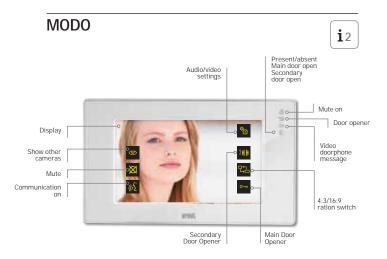
electromagnetic waves that can be detected by hearing aids. These devices are compatible with all induction loop antennas for hearing aids (ETS 300381 and EN 60118 standards).

SOLUTIONS FOR ALL **DÉCOR STYLES:** TOP QUALITY LUXURY **HOME** 



**URMET APARTMENT STATIONS:** FREE TO CHOOSE.





#### MAIN FEAUTURES

- 7" COLOUR DISPLAY WITH TOUCH-SCREEN
- > 7" COLOUR DISPLAY WITH TOUCH-SCREEN
  MENU

  UNLIMITED INTERCOM CALLS FROM VIRTUAL KEYPAD
  ON SCREEN

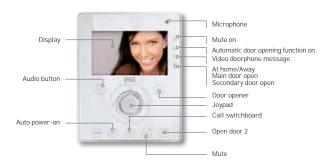
  UNLIMITED ACTIVATIONS USING VIRTUAL KEYPAD
  POSSIBILITY OF CALLING SEVERAL SWITCHBOARDS
  OR MANNED STATIONS

  MANAGEMENT OF TWO ELECTRIC LOCKS
  SELECTABLE RING TONES
  SURVEILLANCE CAMERA SCAN CYCLE
  MAILBOX QUERY FUNCTION
  AUTOMATIC DOOR OPENER FUNCTION
  MUTE FUNCTION WITH LED INDICATOR
  AUDIO BY MFANS OF TWO SPEAKERS

- AUDIO BY MEANS OF TWO SPEAKERS

#### **AIKO**





#### MAIN FEAUTURES

- $4.3^{\circ}$  COLOUR MONITOR OSD (ON SCREEN DISPLAY) FUNCTION WITH COMMAND DISPLAY
- SOFT-TOUCH TECHNOLOGY MANAGEMENT OF UP TO 8 INTERCOM CALLS WITH OSD MENU
- **OLIALITY MATERIALS**
- WALL MOUNTED WITH FLUSH-MOUNTING OPTIONS (USING DEDICATED BOX)
  INTEGRATED HEARING AID SETUP







URMET

**i**4

TELEPHONY

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#### HANDS FREE MIRO

i4

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**FOLIO** 

**i**2



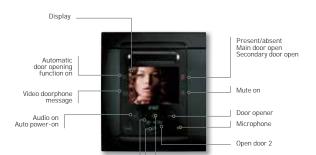


#### MAIN FEAUTURES

- > 16:9 COLOUR MONITOR DISPLAY 4.3"

- > 16:9 COLOUR MONITOR DISPLAY 4.3"
  > COLOUR: POLISHED WHITE OR BLACK
  > CALL VOLUME REGULATION AND MUTE FUNCTION
  > RINGER SELECTION FOR OUTDOOR CALL AND FLOOR CALL
  > DOOR OPENER BUTTON AND 2 ADDITIONAL BUTTONS
  FOR ADDITIONAL FUNCTIONS
  > SECOND DRIVEWAY DOOR OPENING
  > CALL AND OTHER ACTIVE FUNCTIONS WARNING LED
  > INTEGRATED INDUCTION LOOP FOR HEARING-AID USERS
  > WALL MOUNTING OR FLUSH-MOUNTING
  > 2 FREE PUSH BUTTON TO CONNECT TO E2BPP
  FOR 2 WIRELESS YOKIS SCENARIOS





#### MAIN FEAUTURES

- > 3.5" COLOUR DISPLAY WITH ALL CONTROLS ON OSD
  > DELUXE DESIGN, TWO COLOURS (BLACK AND WHITE),
  SHINY HIGH-TECH FINISH
  > CUSTOMISATION DISPLAY COLOURS AND TONES
  > ADJUSTABLE BY MEANS OF JOY PAD

Auto power-on

Call switchboard

- MINIMUM PROTRUSION FROM THE WALL SOFT-TOUCH TECHNOLOGY
- > INTEGRATED HEARING AID SETUP



# **MIRO** $\mathbf{i}_4$ Door opener button 0 0) Two-coloured LED 3 additional buttons for additional functions (entrance opening, staircase light control, exchange call, etc.)

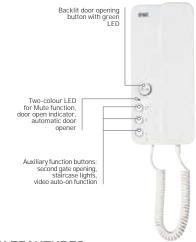
#### MAIN FEAUTURES

- > 16:9 COLOUR MONITOR DISPLAY WITH 4.3" HANDSET > COLOUR: POLISHED WHITE > CALL VOLUME REGULATION AND MUTE FUNCTION

- CALL VOLUME REGULATION AND MUTE FUNCTION
   RINGER SELECTION FOR OUTDOOR CALL AND FLOOR CALL
   DOOR OPENER BUTTON AND 3 ADDITIONAL BUTTONS FOR ADDITIONAL FUNCTIONS (ENTRANCE OPENING, STAIRCASE LIGHT CONTROL, EXCHANGE CALL, ETC.)
   INTEGRATED INDUCTION LOOP FOR HEARING-AID USERS



#### **MIRO** AUDIO



#### MAIN FEAUTURES

- > HIGH GLOSS FINISH (WHITE VERSION) > TOTAL FLAT MINIMUM DIMENSIONS



## TECHNOLOGY, ELEGANCE, **CUSTOMIZABLE FEATURES**

The Urmet entry panels are simple and easy to install. They are compatible with all

system types and have styles for all market needs.

SOLUTIONS FOR ALL STYLES: **HIGH-CLASS DELUXE RESIDENTIAL** 

#### **ELEKTA**

**i**7



#### MAIN FEAUTURES

- > 3.5" TFT DISPLAY > VOICE MESSAGES FOR OPERATIONS UNDER WAY
- > ABSENCE FUNCTION AND AUDIO / VIDEO MESSAGE RECORDING
- > DOOR OPEN DETECTION
- > DURESS FUNCTION
  > INTEGRATED AID FOR DISABLED PERSONS

#### **ELEKTA STEEL**

**i**7



#### MAIN FEAUTURES



- > VANDAL RESISTANT STEEL ENTRY PANEL

- > 3.5° COLOUR DISPLAY
  > VOICE MESSAGES FOR OPERATIONS UNDER WAY
  > ABSENCE FUNCTION AND AUDIO / VIDEO MESSAGE RECORDING > DOOR OPEN DETECTION
  > DURESS FUNCTION
  > INTEGRATED AID FOR DISABLED PERSONS







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#### EXIGO / EXIGO DIGITAL / TITANIUM



#### SINTHESI STEEL

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Digital version with control panels and bright display

Possible addition of digital modules

or access control modules

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring

Back-lighted name tags and buttons

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**i**10



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Call feedback with LED turning on

#### MAIN FEAUTURES

- > 3MM THICKNESS SINGLE BLOCK STRUCTURE PANEL

- > 3MM THICKNESS SINGLE BLOCK STRUCTURE PANEL
   > AVAILABLE IN SATIN AND POLISHED FINISHING
   > FIVE COLOURS WITH P.V.D. DEPOSITION
   > ANTIOXIDATION TREATMENT
   > CUSTOMIZABLE (SHAPES, ENGRAVING, SIZES, FINISHINGS)
   > EVENTUALLY ADAPTABLE TO EXISTING EMBEDDING BOX
   > AVAILABLE FOR PUSHBUTTONS PANELS OR KEYPAD DIGITAL CALL MODULES PANEL

#### MAIN FEATURES

- > VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
  > COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
  > WIDE-ANGLE CAMERA 120°
  > WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
  > MECHANICAL IMPACT RESISTANCE DEGREE: IK09

- > COMPATIBLE WITH ANALOGUE SINTHESI OUTDOOR STATIONS
  > PRE-WIRED MODULES
  > IP45 PROTECTION DEGREE
- (INGRESS OF SOLID OBJECTS AND WATER)

#### SINTHESI S2

**i**9

925

MAIN FEATURES

- > FLUSH ENTRY PANEL > FLUSH ENTRY PANEL
  FOR FLUSH
  MOUNT / SURFACE
  WALL MOUNT
  > ALUMINIUM FRONT PANEL
- > COMPACT SIZE > IP33



#### MAIN **FEATURES**

- > ALUMINIUM BODY > COMPATIBLE WITH SINTHESI COMPATIBLE WITH SINTHESI FLUSH-MOUNTING BOX AND LOUDSPEAKING UNIT
   PAN AND TILT CAMERA
   GREEN BACK-LIGHTING
   PRE-WIRED MODULES
   COMPATIBLE WITH ANALOGUE SYSTEMS: 5WIRE, COAX, 4+N, 1+N
   COMPATIBLE WITH DIGITAL SYSTEM: 2VOICE AND IPERVOICE







# 2VOICE: REFERENCES



1083/50



1083/75



1083/40

BASIC EL	EMENTS	3
1083/20A		System power supply unit Used for 2Voice system. Assembly on DIN bar (10 modules). 230Vac 50-60Hz. Output 48Vdc
1083/50	•	Column interface Device used for uncouple riser columns in complex 2Voice systems. Ready for assembly on DIN bar (10 modules).
1083/55		<b>4-user distributor</b> Floor distributor. Connection for input bus, output bus and 4 apartment extensions. Equipped with output short-circuit protection. Dimensions 45 x 45 x 16 mm (WxHxD)
1083/75	<b>©</b> *	Entry panel interface Device used to connect several main entry panels in 2Voice systems. Ready for assembly on DIN bar (10 modules).
1083/90		<b>2Voice wire. 100 metre reel</b> 2Voice system wire. 2x1 mm2. External diameter 6.5 mm. 100 metre reel.
1083/92		<b>2Voice wire. 200 metre reel</b> 2Voice system wire. 2x1 mm2. External diameter 6.5 mm. 200 metre reel.
1083/40	<b>©</b>	Concierge switchboard Provided with alphanumeric keypad, display and receiver. Provides typical concierge functions. Day/nigh mode operation. Allows to combine a colour video module 1732/41 with corresponding bracket 1732/91.
1083/67		2Voice-PSTN interface and video This device allows to connect an analogical telephone or a telephone interface or a PABX to a 2Voice system, to be able of using interphone services also through a telephone terminal. The video is supplied on a coax-type output for connection of compatible terminals. This interface can be programmed in two modes: "internal place" or "call forwarding" as an aid to the 1083/40 gatekeeper lodge exchange.  • Power supply: 110/230Vac with power supply provided with kit  • Size: 10 DIN modules  • Size of Power Supply: 1.5 DIN modules
1083/69		Video switch 4 IN - 1 OUT DIN mountes  Switch suitable for use in various applications. Considerably simplifies wiring in systems with several main switching video loudspeaking units and is provided with a specific control input for operating up to 4 cameras in cycle.  Each input may also be operated by an alarm control.  Dimensions: 120 x 120 x 55 mm. Consumption: 10 mA
1783/69		CCTV Interface, 4 cameras, Bus connection This device enables connecting 4 control cameras on the Data Bus of the 2Voice system. The cameras are connected to the interface and use the Extended Video Signal Balun instead of coaxial cable. This devices can be associated to a plurality of user of the system or to just one of them.
1083/80		<b>2Voice special decoder</b> Allows users to activate loads by pressing a button or following an event. Ready for assembly on DIN bar (6 modules).
1083/17		<b>16-button expansion module for digital systems</b> To be used with ref. 1083/8 for expanding the number of call buttons.







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URMET GROUP

TELEPHONY



# 2VOICE: REFERENCES

LOUDSP	EAKING	UNIT
1083/9		Outdoor audio station - Sinthesi S2 2VOICE outdoor audio station with Sinthesi S2 design style (2 modules). Features 2 call keys, loudspeaker and microphone. Controls 7 door opener outoputs for pedestrian gate or driveway. Recessed mount box, frame and trim not included
1083/6		Outdoor audio station - Sinthesi Steel Same specifications as ref. 1083/7. Provision for connection of outdoor cameras.
1083/8		Outdoor audio station for Exigo design line For use in combination with 1038/17 module (one every 16 users).
1810/40		Colour camera for 2Voice system To be used with ref. 1083/8 for Exigo, Exigo Digital and Titanium panels
1083/77	<b>©</b>	Outdoor video station - Sinthesi S2 2VOICE outdoor video station with Sinthesi S2 design style (2 modules). Features 2 call keys, colour camera with LED lighting, loudspeaker and microphone. Controls 2 door opener outputs fot pedestrian gate and driveway, Recessed mount box, frame and trim not included
1083/62		Outdoor video station - Sinthesi Steel Same specifications as 1083/71.
1083/19	<b>©</b>	Sinthesi S2 digital call module with control panel for 2VOICE Size equivalent to 2 Sinthesi S2 modules. Features alphanumeric control panel, arrow keys to select names from electronic director, 2 line 16-character display. Bluetooth interface for programming from mobile phone/smartphone/PDA. Can be combined with camera to set up video call stations
1083/14	•	Sinthesi Steel digital call module with control panel for 2VOICE Size equivalent to 2 Sinthesi Steel modules. Features alphanumeric control panel, arrow keys to select names from electronic director, 2 line 16-character display. Bluetooth interface for programming from mobile phone/smartphone/PDA. Can be combined with camera to set up video call stations
1083/78	<b>®</b> "	Outdoor video station - Sinthesi S2 Same specification as 1083/77 with provision for connection up to 5 outdoor cameras
1083/15	<b>©</b> ",	Elekta call module for 2Voice system. Glass frontal with soft touch technology. 3,5" TFT color monitor with alphanumeric keyboard and proxy key reader built-in. Requires Sinthesi 3-modules emebedding box 1145/53
1083/16	<b>©</b>	Elekta Steel vandal-proof call module for 2Voice system.  Front panel made of vandal-proof stainless steel, alphanumeric keypad and embedded proximity key reader for access control. Requires metal 3-modules embedded box 1158/43.
1083/79		Outdoor video station - Sinthesi S2 Same specifications as ref 1083/77 but for 60 Hz systems
1083/63		Outdoor video station - Sinthesi Steel Same specifications as ref. 1083/62 but for 60 Hz systems
1083/25		Elekta call module for 2Voice system. Same specification as ref. 1083/15 but for 60 Hz system
1083/27		Elekta Steel vandal-proof call module for 2Voice system. Same specification as ref. 1083/16 but for 60 Hz system

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1083/77 1083/78



1083/19



1083/14



1083/16



1083/15





# **2VOICE: REFERENCES**



1183/5





1750/5



1716/1



IND00R	STA	TION	S
1183/5		•	Base doorphone Miro Base doorphone for 2VOICE system. Features door opener push-button and one additional push-button. Controls driveway gate and allows intercom call to other apartment. Selectable call tone with 5 different options.
1750/1	<b>^</b>	<b>®</b>	Miro 4,3" colour monitor with bracket, white colour.  Metal bracket for wall mounting. Provision for floor call connection and additional call tone
1750/5		<u>•</u>	Miro 4,3" hands free colour monitor with bracket, black colour  Provision for floor call connection, additional call tone and 2 free push button to connect to E2BPP for 2 wireless Yokis scenarios. Metal bracket, wall mounting or flush mounting.
1750/6			Miro 4,3" hands free colour monitor with bracket, white colour Provision for floor call connection, additional call tone and 2 free push button to connect to E2BPP for 2 wireless Yokis scenarios. Metal bracket, wall mounting or flush mounting.
1706/5			Folio monitor for 2VOICE. Black
1706/6			Folio monitor for 2VOICE. White
1716/1		<b>®</b> *,	Aiko monitor for 2VOICE. Black Recessed or surface wall mount with dedicated box with frame 1716/61, black
1716/2			Aiko monitor for 2VOICE. White Recessed or surface wall mount with dedicated box with frame 1716/62, white
1717/12H			Modo monitor.  7" TFT colour touch screen monitor with loudspeaking unit and suitable for IPerHome system. Surface wall mount.

ACCESSORIES	
1716/50	Aiko Table top stand Transparent Plexiglas table stand kit with socket
1716/51 📵 🖰	Set of coloured frontal frames (red, green, blue, grey)
1716/60	Flush-mounting box with one white frame and one black frame
1706/60	Flush-mounting box for Folio hands-free video doorphone. Black or white ABS plastic





TELEPHONY

# 2VOICE: REFERENCES

S	
	Kit for installing Folio speaker monitor on plasterboard wall Consists of 2 brackets for fitting flush-mounting box 1706/60 on a plasterboard wall.
<b>®</b>	Transparent plexiglas table stand kit for Mito video doorphone With socket and 1,5m long wire, for use with brackets without button add-on. Dimensions (W x H x D) mm 152 x 222 x 185.
	Transparent plexiglas table stand kit for Signo video doorphone with add-on With socket and 1,5m long wire, for use with brackets with button add-on. Dimensions (W x H x D) mm 152 x 222 x 190.
	Button add-on for Signo monitor Provided with 6 buttons for intercom calls or special functions, 1 button and 2 LEDs for automatic door opening function management and signalling, door open indication.
	In-out connection adapter for 2VOICE system.

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1740/92





1783/431



1783/651



GENERAL CATALOGUE 2015/2016



# Per voice

IP TECHNOLOGY INTEGRATED SOLUTIONS FOR SMART BUILDINGS



TELEPHONY

1 type of cable for the whole system. Unlimited extension, risers, users and functions. Integrated functions connected to video-doorphone service. All devices and functions are installed directly in the system, with no need for additional wiring.

#### Ideal for

- > Large residential complexes
- > Applications with complex communication, security and integration needs





# First digital system entirely over CAT5/5E/6 cable or fiber optics

IperVoice is ideal for large complexes and offers unlimited:

- > extension and distance
- > risers
- > number of exchanges
- > number of users
- > number of calls at the same time (inside and outside apartment)

#### **FUNCTIONS**

A broad range of functions can be installed directly in the system with no need for additional wiring. All controls are available at the indoor video-doorphone monitor, turning the concierge evolves into a control centre that gathers all building information in terms of:

- > VIDEO SURVEILLANCE
- > EXCHANGE
- > INTRUSION DETECTION
- > ACCESS CONTROL
- > LIFT CONTROL











# 1 wire for the whole system

#### WHAT DO YOU NEED?

> In larger residential complexes, offering users a higher degree of automation and improved building control is a key competitive edge. **IperVoice** makes the difference thanks to advanced functions that integrate into the video-doorphone service, with two key advantages: simple controls and a limited number of management devices in common areas and apartments.

#### WHAT DO YOU GET?

> With IperVoice, installers can provide their customers with a high-tech product that reduces installation time and cost thanks to IP technology, the convenience of using a same cable for all connections, and PoE switches used for distribution. Simple and uncomplicated, Ethernet cabling meets any installation requirements, providing communication throughout the residential complex and facilitating function integration.







# IPERVOICE: INTEGRATED SOLUTIONS FOR IMPROVED BUILDING AUTOMATION AND SECURITY

# Services and security in a single system



#### **EXCHANGE**

- > Concierge evolves into a control centre
- > Management of all communication streams
- > Supports several exchanges for different groups of users
- > Integration with any type of terminals: cordless phones, earphones, PC



#### VOIP

- > A phone with the potential of an exchange
- > Installs in common areas, allows two-way communication with all users
- > Door opener function





#### LIFT CONTROL

> Send lift to desired floor



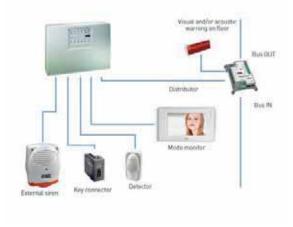
#### **ACCESS CONTROL**

- > Entry/exit detection and recording
- > Each passage is associated to a specific key or access code
- > Anti pass-back function inhibits multiple access with same key



#### INTRUSION DETECTION SYSTEMS

- > Urmet alarm systems installed in an apartment can be integrated in the video-doorphone service
- > Any alarm signal generated in the apartment is automatically transferred to gatekeeper lodge
- > Siren activation or light indicator in landing











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## Communication and CCTV all-in-one



#### VIDEO-DOORPHONE FUNCTION

> IPerVoice adds new solutions to conventional video-doorphone functions. With the dedicated push-button panel Elekta, each user can associate his/her name to a logo, or an image and show the route to his/her home on a graphic map for visitors. Written messages can be entered to be displayed when a visitor rings the bell and no one is at home. Visitors can record audio messages that the user can listen from the home monitor





#### VIDEO SURVEILLANCE

- > Unlimited number of cameras
- > CCTV stream can be viewed from concierge lodge and individual apartments
- > Each camera can be connected to an alarm sensor
- > Alarm event triggers call to exchange and video recording







#### **INTERCOM**

- > Up to 16 devices per apartment can communicate with one another at all time without occupying the riser line
- > Allows communication with all other users in the complex and with the different manned stations in common areas
- > Unlimited intercom calls with other users: thanks to the touch-screen monitors, each apartment can call any other terminal

GENERAL CATALOGUE 2015/2016



## **DESIGN AND VERSATILITY**

The Urmet apartment unit range is the most complete and flexible on the market, offering a wide variety of doorphone styles and monitors, all compatible with analogue and digital systems. Technology and design are key in the development of all new products: like the new

Modo and Aiko hands-free devices and the new Folio soft-touch version, for technology suited to all styles.

Urmet develop its new products with hearing aid compatibility in mind. t-Modo, i-Modo, Modo, Aiko, Folio and Signo can emit

electromagnetic waves that can be detected by hearing aids. These devices are compatible with all induction loop antennas for hearing aids (ETS 300381 and EN 60118 standards).

SOLUTIONS FOR ALL **DÉCOR STYLES:** TOP QUALITY LUXURY **HOME** 

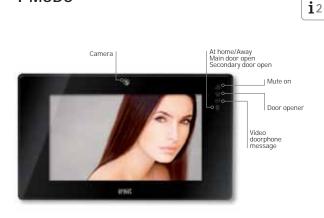


**URMET APARTMENT STATIONS:** 

FREE TO CHOOSE.







#### Present/absent Main door open Audio/video settings Secondary door open Mute on Door opener Display Video doorphone Mute 4:3/16:9 ration switch Main Door Opener Secondary Door Opener

#### MAIN FEAUTURES

I-MODO

- > READY FOR INTEGRATION INTO IPERHOME > 7" COLOUR TOUCHSCREEN DISPLAY
- > 7° COLOUR TOUCHSCREEN DISPLAY
   > UNLIMITED INTERCOM CALLS FROM ON-SCREEN VIRTUAL KEYPAD OR DIRECTORY
   > UNLIMITED ACTIVATIONS THANKS TO THE VIRTUAL KEYPAD
   > CAN CALL SEVERAL CONTROL UNITS OR MANNED STATIONS
   > MANAGEMENT OF TWO ELECTRIC LOCKS
   > SELECTABLE RINGER TONE
   > SURVEILLANCE CAMERA SCAN
   > MESSAGE BACKLOG ENQUIRY
   AUTOMATIC POOR OPENIED ELINCTION

- > AUTOMATIC DOOR OPENER FUNCTION
  > MUTE WITH LED SIGNALLING
  > AUDIO WITH TWO LOUDSPEAKERS

#### MAIN FEAUTURES

- 7" COLOUR DISPLAY WITH TOUCH-SCREEN
- UNLIMITED INTERCOM CALLS FROM VIRTUAL KEYPAD ON SCREEN
- SUNLIMITED ACTIVATIONS USING VIRTUAL KEYPAD
   POSSIBILITY OF CALLING SEVERAL SWITCHBOARDS
   OR MANNED STATIONS
- OR MANNED STATIONS

  > MANAGEMENT OF TWO ELECTRIC LOCKS

  > SELECTABLE RING TONES

  > SURVEILLANCE CAMERA SCAN CYCLE

  > MAILBOX OUERY FUNCTION

  > AUTOMATIC DOOR OPENER FUNCTION

  > MUTE FUNCTION WITH LED INDICATOR

  > AUDIO BY MEANS OF TWO SPEAKERS

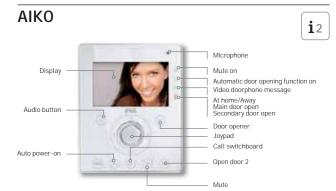
urmet



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SHOWCASE

TELEPHONY



**FOLIO** 

Display

Automatic door opening function on

Video doorphone message

Audio on Auto power-on

 $\mathbf{i}$ 3

Present/absent Main door open Secondary door open

| Mute on

Door opener

Microphone

Open door 2

#### MAIN FEAUTURES

Call switchboard

- > 3.5" COLOUR DISPLAY WITH ALL CONTROLS ON OSD > DELUXE DESIGN, TWO COLOURS (BLACK AND WHITE), SHINY HIGH-TECH FINISH > CUSTOMISATION DISPLAY COLOURS AND TONES
- > ADJUSTABLE BY MEANS OF JOY PAD
  > MINIMUM PROTRUSION FROM THE WALL
- > SOFT-TOUCH TECHNOLOGY > INTEGRATED HEARING AID SETUP

**SIGNO AUDIO** 

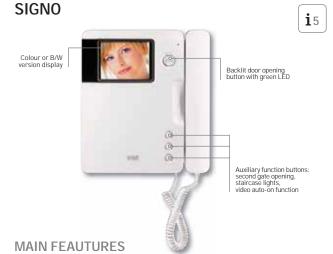
#### MAIN FEAUTURES

- > 4.3" COLOUR MONITOR OSD (ON SCREEN DISPLAY) FUNCTION WITH COMMAND DISPLAY

  > SOFT-TOUCH TECHNOLOGY

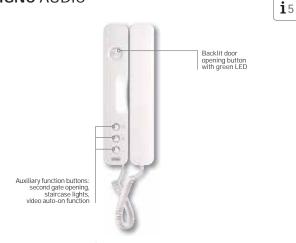
  > MANAGEMENT OF UP TO 8 INTERCOM CALLS WITH OSD MENU
- > QUALITY MATERIALS > WALL MOUNTED WITH FLUSH-MOUNTING OPTIONS (USING DEDICATED BOX)
- > INTEGRATED HEARING AID SETUP





- > HIGH GLOSS FINISH (WHITE VERSION)
  > VERSATILE: B/W AND COLOUR VERSIONS,
  AUDIO VERSIONS
  > TOTAL FLAT MINIMUM DIMENSIONS
  > THREE DIFFERENT COLOURS:
  WHITE, ANTHRACITE AND PLATINUM
  > INTEGRATED HEARING AID SETUP





#### MAIN FEAUTURES

- > HIGH GLOSS FINISH (WHITE VERSION)
- TOTAL FLAT MINIMUM DIMENSIONS







# TECHNOLOGY, STYLE, **CUSTOMISATION**

The outdoor stations of the Urmet range are easy and practical to install, and are compatible with all system

types and with the technology and design styles that meet the diverse users' tastes.

SOLUTIONS FOR ALL DÉCOR STYLES: TOP QUALITY LUXURY HOME

#### **ELEKTA**

**i**7



#### MAIN FEAUTURES

- > 3.5" TFT DISPLAY > VOICE MESSAGES FOR OPERATIONS UNDER WAY
- ABSENCE FUNCTION AND AUDIO / VIDEO MESSAGE RECORDING
   DOOR OPEN DETECTION

- > DURESS FUNCTION
  > INTEGRATED AID FOR DISABLED PERSONS



#### **ELEKTA STEEL**

**i**7



#### MAIN FEAUTURES



- > VANDAL RESISTANT STEEL ENTRY PANEL

- > 3.5° COLOUR DISPLAY
  > VOICE MESSAGES FOR OPERATIONS UNDER WAY
  > ABSENCE FUNCTION AND AUDIO / VIDEO MESSAGE RECORDING
- > DOOR OPEN DETECTION
  > DURESS FUNCTION
  > INTEGRATED AID FOR DISABLED PERSONS







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TELEPHONY

#### **EXIGO / EXIGO DIGITAL**



#### MAIN **FEATURES**

- > COMPATIBILITY WITH IPERVOICE DIGITAL SYSTEM > PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT ON HIGH-QUALITY BRASS FRONT COVERS WITH 3 MM THICKNESS
  > POLISHED OR SATIN
- SURFACE FINISH

  > VARIOUS COLOURS AVAILABLE:
  PVD BRASS, PVD GUN METAL GREY, PVD COPPER BRONZE, CHROME STEEL AND MICACEOUS

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#### **TITANIUM**

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#### MAIN **FEATURES**

- > COMPATIBILITY WITH IPERVOICE DIGITAL SYSTEM > CHROME ANTI-CORROSION AND ANTI-OXIDATION TREATMENT ON STEEL-LIKE FRONT COVER 3 MM THICKNESS > POLISED OR SATIN FINISH
- THICKNESS

  > POLISHED OR SATIN FINISH

  > RETROFITTING TO ALL URMET
  ENTRY PANELS
  AND TO THIRD-PARTY ENTRY
  PANELS WITH NO MASONRY
  WORK REQUIRED

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Camera module

Call feedback with LED turning on

Possible addition of digital modules or access control modules

#### SINTHESI STEEL



SINTHESI S2

Digital version with control panels and bright display





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#### MAIN FEATURES

Back-lighted name tags and buttons

- > IP TECHNOLOGY
  > ALUMINIUM BODY
  > COMPATIBLE WITH SINTHESI FLUSH-MOUNTING BOXES
  AND OUTDOOR STATIONS
  > VARIABLE-ANGLE CAMERA
  > GREEN BACKLIGHTING
  > SIMPLIFIED WIRING
   COMPATIBLE WITHER WIDE 4.N AND 1.N COAY AND OC

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4

- COMPATIBLE WITH 5-WIRE, 4+N AND 1+N COAX ANALOGUE SYSTEMS COMPATIBLE WITH 2VOICE AND IPERVOICE DIGITAL SYSTEMS

#### MAIN FEATURES

- > VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
- > VANDAL RESISTANT STEEL BUDY, WITH FLUSH BUTTONS
  > COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
  > WIDE-ANGLE CAMERA 120°
  > WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
  > MECHANICAL IMPACT RESISTANCE DEGREE: IK09
  > COMPATIBLE WITH ANALOGUE SINTHESI OUTDOOR STATIONS

- > PRE-WIRED MODULES
  > IP45 PROTECTION DEGREE
  (INGRESS OF SOLID OBJECTS AND WATER)



# **IPERVOICE: REFERENCES**



1039/34







1039/41





1039/82

BASIC EL	EMENTS	
1039/1		IP system server Intel Pentium 1GHz processor. With RJ45 port and two USB ports. Ready for mounted on wall and on DIN bar. With 2.5" HDD. Dimensions: 172 (width) x 55 (height) x 114 (depth). On/off button and LED, reset button. Power supply unit included.
1039/100		Set of 20 RJ45 connectors IP side Set of 20 RJ45 connectors with "URMET" print for connecting compatible IP devices.
1039/101		Set of 20 RJ45 connectors column side Set of 20 RJ45 connectors with "NO LAN" print for connecting IP IperVoice column devices.
1039/20		UTP CAT5/5e/6 column power supply unit  Power supply unit for IperVoice riser. Provided with two RJ45 connectors for inlet and output bus. With LED and trimmer for video signal equalisation.  Dimensions: DIN bar (10 modules).
1039/34	•	UTP CAT5/5e/6 four-user distributor Four user in column. With four RJ45 connectors for connecting users and two RJ45 connectors for input and output buses. Call floor for each user. Terminals for connecting the second audio channel to the column. Relay output for connecting to a floor alarm signal.
1039/36	<b>®</b>	UTP CAT5/5e/6 intercom device For connecting four apartment devices (audio or video doorphones) allowing intercom functions. Up to four devices in a cascade for a total of 16 devices in parallel and intercommunicating in the same apartment. DIN bar (6 modules). Local power supply with 1039/20.
1039/37	<b>®</b>	UTP CAT5/5e/6 lift interface Allows to supply door open information to the lift control unit of the building. Provided with 24 NO/C/NC relay outputs which can be associated to each user or group of users. Up to eight devices can be connected in cascade for a total of 192 commands. DIN bar (12 modules). Locally powered by 1039/20.
1039/41	<b>©</b> *	PC concierge switchboard Atlantico doorphone with USB connector and A/V plug for connection to PC. Provides audio doorphone connection to concierge switchboard application.
1039/44		4 ports + 4PoE switch Switch with 8 ports, of which four PoE. 110-230 Vac/50-60 Hz power supply unit.
1039/50	<b>®</b> "	IP/UTP CAT5/5e/6 gateway For interfacing IP backbone with riser column. DIN bar (10 modules).
1039/56		Bluetooth programming device Interface for programming column devices using mobile phone or PDA. Provided with adapter cable.
1039/61		Apartment alarm interface Interface board to be arranged inside URMET units 1061/004 and 1061/006.
1039/69		IperVoice Video Server For connecting 4 traditional cameras. The images are conveyed to IP bus and displayed on devices in the system (monitor, switchboards).
1039/80		IP special decoder For activating/deactivating loads or other functions on IP backbone.
1039/82	<b>®</b> "	IP reader on Sinthesi S2 Proximity key reader over IP bus
1039/90		IP outdoor cable UTP CAT5/5e/6 for buried installation. For use on common backbone. 100 metre reel.







urmet

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TELEPHONY

# IPERVOICE: REFERENCES

LOUDSP	EAKING U	NIT
1039/13	•	Elekta call module for IperVoice system.  Glass frontal with sof touch technology. 3,5" colour display, alphanumeric keypad, arrow buttons for scrolling the name direcotry, colour camera and light, loudspeaking unit and proximity key reader. Requires Sinthesi 3-modules embedded box 1145/53
1039/18	<b>©</b> ",	Elekta Steel vandal-proof call module for IperVoice system.  Front panel mad of vandal-proof stainless steel. 3,5" colour display, alphanumeric keypad, arrow buttons for scrolling the name direcotry, colour camera and light, loudspeaking unit and proximity key reader. Requires Sinthesi Steel 3-modules embedded box 1158/43
1039/74		IperVoice video outdoor panel - Sinthesi Steel, Exigo and Titanium Sinthesi Steel design style (2 module). Includes colour camera with lighting. 2 call keys and loudspeaking unit. Handles 2 electric locks; features hallway push-button and door open warning. Frame and embedded box are not included
1039/78		IPerVoice outdoor video station with keys Sinthesi S2 design style (12 modules). Includes colour camera with lighting, 2 call keys and audio module. Handles 2 electric locks; features hallway push-button and door open warning. Trim and recessed box included
1039/17		Elekta Anti-Vandal IP Call module Same specifications as ref. 1039/18 but for 60 Hz systems
1039/12		Elekta Digital call module for IPerVoice with soft touh panel Same specifications as ref. 1039/13 but for 60 Hz systems
1039/79		IPerVoice outdoor video station with keys Same specifications as ref. 1039/78 but for 60 Hz systems
1039/75		IPerVoice digital outdoor video station - Sinthesi Steel Same specifications as ref. 1039/74 but for 60 Hz systems
INDOOR	STATIONS	<u> </u>
1139/2		IPerVoice door phone Signo door phone. Features 3 additional service buttons and door opening button. Adjustable call volume
1740/95		IPerVoice bracket for Signo
1706/7	<b>®</b> "	Folio monitor. 3,5" colour soft touch monitor with loud speaking unit, black
1706/8		Folio monitor. 3,5" colour soft touch monitor with loud speaking unit, white
1740/40		Signo monitor. 4" TFT colour monitor with microtelephone, white
1717/11	<u></u>	Modo monitor. 7" TFT colour touch monitor with loud speaking unit. Surface wall mount
4501/5		VolP telephone. WAN port and a LAN with RJ45 connector; A RJ11 port for connection to PSTN analogue line; a RJ11 port for telephone headset. Table-top or wall installation
1716/4		Aiko monitor. 4,5" TFT colour soft touch monitor with loud speaking unit, White
1717/2		Imodo IP terminal. 7" TFT colour touch monitor with Home Automation functions
1740/18		Signo monitor. Same specification as ref. 1740/1 but for 60 Hz systems
ACCESS	ORIES	
1716/50	-	Aiko Table top stand
		T

Transparent Plexiglas table stand kit with socket

Set of coloured frontal frames (red, green, blue, grey)

Flush-mounting box with one white frame and one black frame

Flush-mounting box for Folio hands-free video doorphone. Black ABS plastic. Dimensions: 131 (W) x 129 (H) x 53 (D) mm

Kit for installing Folio speaker monitor on plasterboard wall

Consists of 2 brackets for fitting flush-mounting box 1706/60 on a plasterboard wall.

Transparent Plexiglas table stand kit for Signo video doorphone.
With socket and 1,5m long wire, for use with brackets without button add-on.
Dimensions (HxWxD) mm 222x185x152

Transparent plexiglas table stand kit for Signo video doorphone with add-on With socket and 1,5m long wire, for use with brackets with button add-on. Dimensions (W x H x D) mm 152 x 222 x 190

1716/51

1716/60

1706/60

1706/61

1740/92

1740/93

**(** 



1039/13



1039/18



1706/7

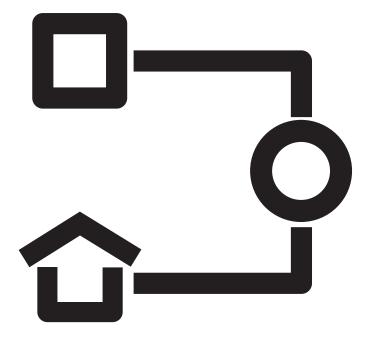


1717/11



1740/92





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# ANALOGUE VIDEO-DOORPHONE S Y S T E M S

ANALOGICAL VIDEO SYSTEMS COAX SYSTEM 5WIRE SYSTEM **(** 

ANALOGICAL AUDIO SYSTEMS

4+N SYSTEM 1+N SYSTEM

GENERAL CATALOGUE 2015/2016

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Mixed audio/video Conversation privacy Intercom function Main/secondary doors Access control integration Connection options PABX Compatibility with video surveillance system Technological alarm compatibility

Switchboard Use of existing wiring

Wire

Kit



# **SYSTEM GUIDE**

	ANALOGICAL VIDEO SYSTEMS		ANALOGICAL AUDIO SYSTEM	ЛS
	Coax pag. 58	5 Wire pag. 63	<b>4+n</b> pag. 68	<b>1+n</b> pag. 74
	Advantages and applications: Large distances between camera and monitors. 4-n doorphone with electronic call are used. Very high number of configurations with b/w and colour video doorphones.	Advantages and applications: Derived from the 1+n audio system for transforming 4+n audio system into video systems without adding a coaxial cable.  4+(n-4) Signo	Advantages and applications: Traditional and electronic call doorphone are used.  Systems with intercom service and conversation privacy function to door unit and systems with several automatically switching entrances can be made.	Advantages and applications: and applications: Ideal for transforming a typical door bell system into complete doorphone system without needing to add wires to the riser column.  Conversation privacy guaranteed between apartments.
	Signo 6+(n-2)+Coax  6+(n-1)+Coax  7+  Coax  6+(n-1)+Coax  6+n+Coax	5	Atlantico 5 4+(n-2) 5 4+(n-1)	Atlantico 2 2 2 12V transformer 1+n
	789/5B 9+n+Coax 2 Sinthesi steel	Video power supply unit  Sinthesi S2  8+n 2  Electric lock	5 4+n Signo 9+n 786/11 Sinthesi S2	2 2 Electric lock
COMPARISON TABLE				
No. of users	20	20	20	20
Distance between call module and apartment station	300 m	200 m	300 m	200 m
Mixed audio/video	YES	YES	NO	NO
Conversation privacy	NO	YES	NO	YES
Intercom function	YES	NO	YES	NO
Main/secondary doors	4 main or 1 main + No. secondary	4 main.	4 main or 1 main + No. secondary	4 main.
Access control integration	YES	YES	YES	YES
Connection options PABX	YES	NO	YES	YES
Compatibility with video surveillance system	NO	NO	NO	NO

NO

NO

YES

1122 - 1150 series

NO

NO

NO

door phone cable

APPLI	APPLICAZIONI						
	Small systems	YES	YES	YES	YES		
	Medium systems	YES	YES	YES	YES		
	Large systems	NO	NO	NO	NO		

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NO

NO

YES

door phone cable

1748 - 956 series

urmet 56

Coax Rg59 + door phone cable

NO

NO

YES

1748 series





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# COMPATIBILITY TABLE APARTMENT STATIONS / ENTRY PANELS

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LOW NUMBER OF WIRES SYSTEMS		ANALOGICAL VIDEO SYSTEMS		ANALOGICAL AUDIO SY	'STEMS
		Coax	5 Wire	4+n	1+n
<b>NEXO</b> cod. 1708		YES	YES	NO	NO
<b>SIGNO</b> cod. 1740-1140		YES	YES	YES	NO
MIRO cod. 1150	8660	YES*	YES*	YES	YES
ATLANTICO cod. 1133		YES*	YES*	YES	YES
<b>1130</b> cod. 1130	là	NO	NO	YES	NO
EXIGO		YES	YES	YES	YES
SINTHESI STEEL cod. 1155-1755		YES	YES	YES	YES
SINTHESI S2 cod. 1148-1748		YES	YES	YES	YES

YES

**925** cod. 925

YES

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YES

YES

<sup>\*</sup> May be used as additional door phone



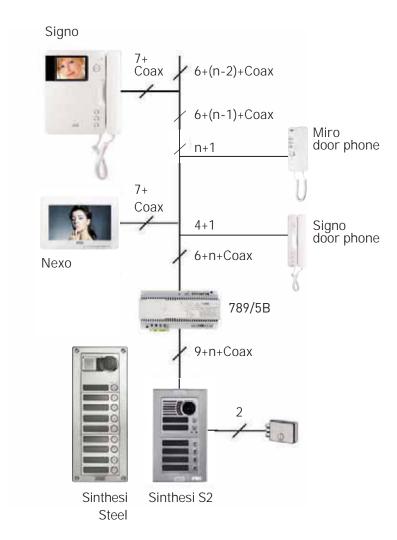
# COAX SYSTEM

#### Systems with coaxial cable

In systems with coaxial cable, 4+n door phones with electronic call are used, and it is possible to arrange many configuration

combinations, both with b/w and colour video door phones. The coaxial cable allows to cover long distances between camera unit and monitors and allows to arrange the same type of systems used with 4+n audio system.

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SERVICES

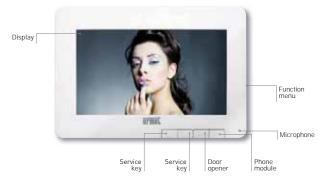
TELEPHONY

# **APARTMENT STATIONS**

**i**3

**i**5

#### **NEXO**



#### MAIN FEAUTURES

- > 7" TFT DISPLAY > WALL MOUNT

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- > PROVISION FOR INSTALLATION WITH 503 AND 60 BOXES
- > 2 DRY CONTACTS FOR CONNECTION
  > 2 BUTTONS FOR SUPPLEMENTAL SERVICES
- > VOLUME, CONTRAST, BRIGHTNESS, COLOUR ADJUSTMENTS

#### **SIGNO**

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#### MAIN FEAUTURES

- > HIGH GLOSS FINISH (WHITE VERSION)
  > VERSATILE: B/W AND COLOUR VERSIONS,
  AUDIO VERSIONS
  > TOTAL FLAT MINIMUM DIMENSIONS
  > THREE DIFFERENT COLOURS:
  WHITE, ANTHRACITE AND PLATINUM
  > INTEGRATED HEARING AID SETUP



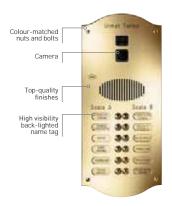




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# **ENTRY PANELS**

#### **EXIGO**



www.prodeltorino.it

#### MAIN FEATURES

- > PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT
- > PYD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT
  ON HIGH-QUALITY BRASS FRONT COVERS WITH 3 MM THICKNESS
  > CUSTOMISED FINISHES (POLISHED AND SATIN BRASS,
  COLOUR FINISHES: CHROME STEEL, GUN METAL GREY
  COPPER BRONZE, MICACEOUS IRON, ETC.)
  > AUDIO AND VIDEO ANALOGUE AND DIGITAL SOLUTIONS, 1 OR 2 ROWS
  > CAN BE USED WITH FLUSH-MOUNTING
  BOXES MOD 1145 WITH 1 UP TO 10 BUTTONS
  COMPATIBLE WITH CEPTAIN ELISEL MOUNTING BOXES MOD 425\*

- COMPATIBLE WITH CERTAIN FLUSH-MOUNTING BOXES MOD. 625\*
- > 3 TO 20 BUTTONS
- \* For more information, please contact the Urmet sales network, visit www.prodeltorino.it or call +39 011 2484103.

#### SINTHESI STEEL





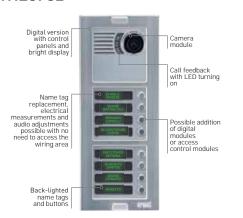
www.prodeltorino.it

#### MAIN FEATURES

- > VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS > COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
- VUIDE-ANGLE CAMERA 120°
   WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
   MECHANICAL IMPACT RESISTANCE DEGREE: IK09
   COMPATIBLE WITH ANALOGUE SINTHESI OUTDOOR STATIONS

> PRE-WIRED MODULES
> IP45 PROTECTION DEGREE
[INGRESS OF SOLID OBJECTS AND WATER]

#### SINTHESI S2



#### MAIN FEATURES

- > ALUMINIUM BODY WITH POLISHED STEEL FINISH
- > COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
- > COLOUR CAMERA
- > GREEN BACKLIGHTING
- > MECHANICAL IMPACT RESISTANCE DEGREE: IK09
  > IP42 DEGREE (PROTECTION AGAINST SEEPAGE
- OF SOLID OBJECTS AND WATER)

925

**i**9





#### MAIN FEATURES

- $\,>\,$  FLUSH ENTRY PANEL FOR FLUSH MOUNT / SURFACE WALL MOUNT  $\,>\,$  ALUMINIUM FRONT PANEL
- > COMPACT SIZE > IP33

60 urmet





TELEPHONY

# **REFERENCES**

COLOUR VI	COLOUR VIDEO DOORPHONE - BRACKET					
1708/1 © NEXO 7" hands-free audio monitor for surface wall mount (bracket included)						

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COLOUR VIDEO DOORPHONE WITHOUT BRACKET		
1740/18	Signo monitor. Same specification as ref. 1740/1 but for 60 Hz systems	
1740/40 🛕 💽	Signo monitor. 4" TFT colour monitor with microtelephone, white	
1740/20	Sentinel-Vedette-Explorer retrofit. The video door phone allows to replace Sentinel, Vedette, Explorer and 1704/20A monitors installed on coax cable system. Signo can be used with all CCD cameras (NO Vidicom). Dimensions 225 x 205 x 50	
1740/90	Bracket for Signo video doorphone	
1740/86	Bracket with button add-on for Signo video doorphone	

4+N LOUDSF	4+N LOUDSPEAKING UNIT			
824/500	Slim audio loudspeaking unit for Exigo entry panel			
1145/500	Audio loudspeaking unit for Sinthesi entry panel			
1145/510	Sinthesi S2 loudspeaking unit powered 12Vca			
1128/500	Audio loudspeaking unit for Mod. 925, Exigo entry panels			
1128/510	Audio loudspeaking unit for Mod. 925, Exigo entry panels, 12 Vac power			
5150/53	3-wire audio loudspeaking unit for Mod. 925 / Exigo entry panel			
	·			

NOTE: in order to complete an entry panel with frame, pushbutton modules, embedding box and accessories please refer to page 85

CAMERA MODULE WITH/WITHOUT INTEGRATED LOUSPEAKING UNIT FOR COAX SYSTEM			
1748/40		•	Colour camera module for Sinthesi S2 entry panel
1748/49			Colour wide-angle camera for Sinthesi S2 panel
			Same specification as ref. 1748/40 but for 60 Hz systems
1748/92			Colour camera module with 4+n integrated
			loudspeaking unit and 2 push buttons for Sinthesi S2 entry panel
1758/40		•	Colour wide-angle camera for Sinthesi Steel panel
1758/41			Colour wide-angle camera with integrated loudspeaking unit for Sinthesi Steel entry panel
1758/49			Colour wide-angle camera for Sinthesi Steel panel
			Same specification as ref. 1758/40 but for 60 Hz systems
1810/40			Colour camera module for Exigo entry panel to be used in combination with 1742/13A board
1810/70			B/W camera module for Exigo entry panel to be used in combination with 1742/13A board
725/640			Colour camera module for 925 entry panel

NOTE: in order to complete an entry panel with frame, pushbutton modules, embedding box and accessories please refer to page 85

BRACKET DOO	BRACKET DOORPHONE POWER SUPPLY UNIT		
786/12	Device with call generator to be used in basic 4+n doorphone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/14, 786/38. Dimensions: ( $HxLxP$ ) 61 x 54 x 90		
789/6B	Used for powering video doorphone systems with electronic call. Provided with selfresetting PTC protection, adjustable timer and call generator. Device 786/51 is needed in intercom systems. Dimensions: (HxLxP) 180 x 75 x 97		



1708/



1748/40



1758/40









AUDIO AND VIDEO DOORPHONE ACCESSORIES		
1740/92 📵 🖺	Transparent Plexiglas table stand kit for Signo video doorphone. With socket and 1,5m long wire, for use with brackets without button add-on. Dimensions (HxWxD) mm 222x185x152	
1740/93	Transparent plexiglas table stand kit for Signo video doorphone with add-on With socket and 1,5m long wire, for use with brackets with button add-on. Dimensions (W x H x D) mm 152 x 222 x 190.	

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ACCESSORIES FOR COAX VIDEO SYSTEMS				
1794/4A	4 output video distributor for coax systems			
	Distributes video signal to floor; power at 15-18Vdc.			
	Dimensions: (W x H x D) 95 x 64 x 28 mm			
1131/4	10 diode box			
	For use in 4+n audio and coax systems with intercom function.			
7057/234	14 wire cable + coax			
	100m reels, external diameter of cable 17 mm;			
	sections: 2 x 0.8 mm 2, 6 x 0.5 mm 2, 6 x 0.35 mm2			
7057/235	8 wire cable + coax			
	100m reels, external diameter of cable 15 mm;			
	sections: 2 x 1 mm 2, 2 x 0,8 mm 2, 3 x 0,35 mm2, 1 x 0,5 mm <sup>2</sup>			
9854/56	Additional electronic buzzer for Signo video doorphone			
	Installed on monitor bracket, it acts as an additional chime to differentiate calls.			
	Power supply: 12 Vdc; current draw during call 60 mA.			
9854/53	Supplementary ringer			
	Suitable for use as supplemenary ringer in electronic and traditional call systems.			
	Dimensions: 80 (W) x 80 (H) x 32 (D) mm			





789/5B

62

SINTHESI S2

The kit includes:

1748/770

COAX SYSTEM BASE KIT

1748/92 colour camera module with integrated loudspeaking unit and 2 buttons.
1145/51 one module flush-mounting box
1148/61 one-module Sinthes S2 frame
789/5B video power unit
1748/101 Sinthesi S2 1-module front panel with one button

Two family colour coax Kit with Sinthesi S2 panel (Video door phone supplied separately)

For power supply and relay please see page 78









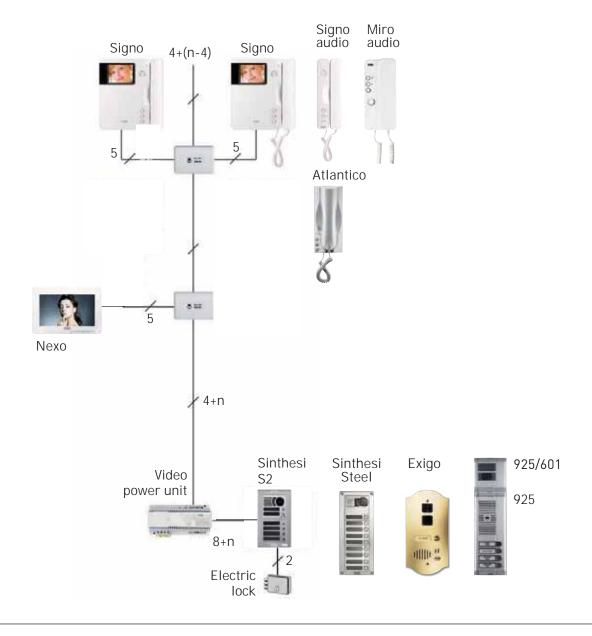
TELEPHONY

# **5 WIRE SYSTEM**

#### 5-wire systems

The 5-wire system, deriving from the 1+n audio system, is suitable to transform 4+n audio systems into video

systems without adding the coaxial cable and other wires inside the riser.



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# **APARTMENT STATIONS**

**NEXO i**3

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#### MAIN FEAUTURES

- > 7" TFT DISPLAY
  > WALL MOUNT
  > PROVISION FOR INSTALLATION
  WITH 503 AND 60 BOXES
  > 2 DRY CONTACTS FOR CONNECTION
  > 2 BUTTONS FOR SUPPLEMENTAL SERVICES
  > ADJUSTMENTS (VOLUME, CONTRAST, BRIGHTNESS, COLOUR)

**SIGNO** 

**i**5



#### MAIN FEAUTURES

- > HIGH GLOSS FINISH (WHITE VERSION)
  > VERSATILE: B/W AND COLOUR VERSIONS,
  AUDIO VERSIONS
  > TOTAL FLAT MINIMUM DIMENSIONS
  > THREE DIFFERENT COLOURS:
  WHITE, ANTHRACITE AND PLATINUM
  > INTEGRATED HEARING AID SETUP







**i**8

TELEPHONY

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# **ENTRY PANELS**

# **EXIGO** Colour-matched nuts and bolts Camera Top-quality finishes

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#### SINTHESI STEEL

Digital version with control

modules

panels and bright display Possible addition of digital modules

Name tag replacement, electrical measurements and audio adjustments possible with no need to access the wiring

Back-lighted name tags and buttons

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**i**10



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#### MAIN FEATURES

High visibility back-lighted name tag

- > PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT ON HIGH-QUALITY BRASS FRONT COVERS WITH 3 MM THICKNESS > CUSTOMISED FINISHES (POLISHED AND SATIN BRASS,
- COLOUR FINISHES: CHROME STEEL, GUN METAL GREY
  COPPER BRONZE, MICACEOUS IRON, ETC.]
  AUDIO AND VIDEO ANALOGUE AND DIGITAL SOLUTIONS, 1 OR 2 ROWS

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- > CAN BE USED WITH FLUSH-MOUNTING
  BOXES MOD 1145 WITH 1 UP TO 10 BUTTONS
  > COMPATIBLE WITH CERTAIN FLUSH-MOUNTING BOXES MOD. 625\*
- > 3 TO 20 BUTTONS
- \* For more information, please contact the Urmet sales network, visit www.prodeltorino.it or call +39 011 2484103.

#### MAIN FEATURES

- > VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
  > COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
  > WIDE-ANGLE CAMERA 120°
  > WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS

- > MECHANICAL IMPACT RESISTANCE DEGREE: IK09
  > COMPATIBLE WITH ANALOGUE SINTHESI OUTDOOR STATIONS
- > PRE-WIRED MODULES
- IP45 PROTECTION DEGREE
  (INGRESS OF SOLID OBJECTS AND WATER)

#### SINTHESI S2



925

**i**9



#### MAIN FEATURES

- > ALUMINIUM BODY WITH POLISHED STEEL FINISH
- COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
   COLOUR CAMERA
   GREEN BACKLIGHTING

- MECHANICAL IMPACT RESISTANCE DEGREE: IK09
   IP42 DEGREE (PROTECTION AGAINST SEEPAGE
   OF SOLID OBJECTS AND WATER)

#### MAIN FEATURES

- > FLUSH ENTRY PANEL FOR FLUSH MOUNT / SURFACE WALL MOUNT
- > ALUMINIUM FRONT PANEL > COMPACT SIZE > IP33





# **REFERENCES**



1708/1

COLOUR VIDEO DOORPHONE - BRACKET			
1708/1	•	NEXO 7" hands-free audio monitor for surface wall mount (bracket included)	
1708/955		Bracket for 5-wire systems	



COLOUR VIDEO DOORPHONE WITHOUT BRACKET		
1740/40 🛕 🎅	Signo monitor. 4" TFT colour monitor with microtelephone, white	
1740/18 Signo monitor. Same specification as ref. 1740/1 but for 60 Hz systems		
1740/955	Bracket for 5-wire systems for Signo doorphone	

1+N AUDIO LOUDSPEAKING UNITS					
1145/67	15/67 Audio loudspeaking unit for Sinthesi S2 e Sinthesi Steel entry panel				
1145/510	Sinthesi S2 loudspeaking unit powered 12Vca				
1035/67 Audio loudspeaking unit for 925 Exigo entry panel					

CAMERA	MODU	JLE W	ITH/WITHOUT INTEGRATED LOUSPEAKING UNIT FOR 5WIRE SYSTEM
1748/22		•	Sinthesi S2 colour camera module with integrated loudspeaking unit and 2 buttons (2 modules)
1748/40			Sinthesi S2 colour camera module
1748/49			Colour wide-angle camera for Sinthesi S2 panel Same specification as ref. 1748/40 but for 60 Hz systems
1758/40		•	Colour wide-angle camera for Sinthesi Steel panel
1758/49			Colour wide-angle camera for Sinthesi Steel panel Same specification as ref. 1758/40 but for 60 Hz systems
1810/40			Colour camera module for Exigo entry panel to be used in combination with 1742/13A board
1810/70			B/W camera module for Exigo entry panel to be used in combination with 1742/13A board
725/600			B/W camera module for Mod.925 entry panel to be used in combination with 1742/13A board.

NOTE: in order to complete an entry panel with frame, pushbutton modules, embedding box and accessories please refer to page 85



1748/22

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1758/40

BRACKET DO	BRACKET DOORPHONE POWER SUPPLY UNIT		
786/12	Device with call generator to be used in basic 4+n doorphone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/14, 786/38. Dimensions: ( $HxLxP$ ) 61 x 54 x 90		
789/6B	Used for powering video doorphone systems with electronic call. Provided with selfresetting PTC protection, adjustable timer and call generator. Device 786/51 is needed in intercom systems. Dimensions: (HxLxP) 180 x 75 x 97		





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TELEPHONY



SIGNO DOOR PHONE AND VIDEO DOOR PHONE ACCESSORIES				
1740/92	<b>®</b> ",	Transparent Plexiglas table stand kit for Signo video doorphone. With socket and 1,5m long wire, for use with brackets without button add-on. Dimensions (HxWxD) mm 222x185x152		
1740/93		Transparent plexiglas table stand kit for Signo video doorphone with add-on With socket and 1,5m long wire, for use with brackets with button add-on. Dimensions (W x H x D) mm 152 x 222 x 190.		

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ACCESSORIES F	FOR 5-WIRE VIDEO SYSTEMS
1742/13A	Camera adapter device
	This is used to adapt a camera with video signal on coax cable in VOP systems
955/40	4 output video distributor for 5-wire systems
	Distributes video signal to floor; power at 15-18Vdc.
	Dimensions: (W x H x D) 95 x 64 x 28 mm
1035/25	Conversation privacy device for Mod. 725 entry panels
	One every four users
1110/74	Conversation privacy device for Sinthesi and K-steel entry panels
	One every four users.
1158/74	Conversation privacy device for Exigo entry panels
	One every four users.
9854/56	Additional electronic buzzer for Signo video doorphone
	Installed on monitor bracket, it acts as an additional chime to differentiate calls.
	Power supply: 12 Vdc; current draw during call 60 mA.
9854/53	Supplementary ringer
	Suitable for use as supplemenary ringer in electronic and traditional call systems.
	Dimensions: 80 (W) x 80 (H) x 32 (D) mm

#### 5WIRE SYSTEM BASE KIT

Two family colour 5wire Kit with Sinthesi S2 panel (Video door phone supplied separately) 1748/795

The kit includes:

- $\bullet\ \textbf{1748/22}\ colour\ camera\ module\ with\ integrated\ loudspeaking\ unit\ and\ 2\ buttons$
- 1145/52 one module flush-mounting box 1148/62 one-module Sinthes S2 frame
- 789/5B video power unit
- 1748/107 Sinthesi S2 1-module front panel with one button















**SYSTEM** 

4+N

#### 4+n

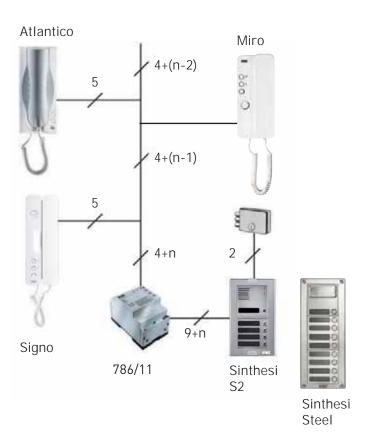
With 4+n systems it is possible to create a system using 4 common wires plus n wires inside the riser, where n is the number of calls to manage. Furthermore, the 4+n system

allows to use door phones with traditional call (on 12 Vac buzzer) or with electronic call (the loudspeaker of the same door phone is used to emit the calling sound) and to build

systems in which the intercom service with conversation secrecy towards the outdoor station or systems with multiple inputs and automatic switching are required.

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TELEPHONY

#### **APARTMENT STATIONS**



**SIGNO** AUDIO

**i**5

#### MAIN FEAUTURES

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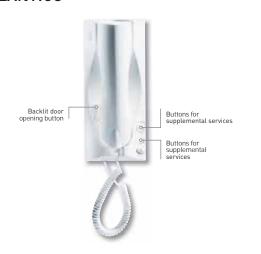
- > HIGH GLOSS FINISH (WHITE VERSION)
- > TOTAL FLAT MINIMUM DIMENSIONS > MICRO RECEIVER WITH PHONE PLUG
- > ELECTRONIC CALL ON LOUDSPEAKER > PROVISION FOR INSTALLATION WITH 503 FLUSH-MOUNTING BOXES AND ROUND 60 MM DIA

#### MAIN FEAUTURES

- > HIGH GLOSS FINISH (WHITE VERSION) > TOTAL FLAT MINIMUM DIMENSIONS



#### **ATLANTICO**



1130

**i**5



#### MAIN FEAUTURES

- > ERGONOMIC HANDSET
- > HANDSET WITH TELEPHONE CABLE AND CONNECTOR

#### MAIN FEAUTURES

- > THE PLEASURE OF TRADITION
- > USABLE IN TRADITIONAL DOORPHONE SYSTEMS WITH BUZZER > AVAILABLE IN WHITE AND IVORY VERSIONS
- > SUITABLE FOR REPLACING 1030, 930 AND 730 MODELS IN EXISTING SYSTEM



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#### **ENTRY PANELS**

#### **EXIGO**



#### SINTHESI STEEL

**i**10

**i**8



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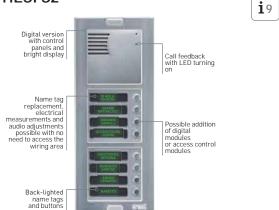
#### MAIN FEATURES

- > PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT ON HIGH-QUALITY BRASS FRONT COVERS WITH 3 MM THICKNESS > CUSTOMISED FINISHES (POLISHED AND SATIN BRASS, COLOUR FINISHES: CHROME STEEL, GUN METAL GREY COPPER BRONZE, MICACEOUS IRON, ETC.)

#### MAIN FEATURES

- > VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
- > COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
- > WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
- > MECHANICAL IMPACT RESISTANCE DEGREE: IK09
- > IP45 PROTECTION DEGREE (INGRESS OF SOLID OBJECTS AND WATER)

#### SINTHESI S2



#### 925



#### MAIN FEATURES

- > ALUMINIUM BODY WITH POLISHED STEEL FINISH
- > COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
- > GREEN BACKLIGHTING
- > MECHANICAL IMPACT RESISTANCE DEGREE: IK09
- > IP42 DEGREE (PROTECTION AGAINST SEEPAGE OF SOLID OBJECTS AND WATER)

#### MAIN FEATURES

- > FLUSH ENTRY PANEL FOR FLUSH MOUNT / SURFACE WALL MOUNT
- > ALUMINIUM FRONT PANEL > COMPACT SIZE





URMET GROUP

TELEPHONY

#### **REFERENCES**

MIRO DOOR	MIRO DOOR PHONE	
1150 💇	1150 Miro doorphone set up without supplementary buttons. White	
1150/1	Miro doorphone set up with three supplementary buttons. White	

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1150/1

SIGNO DOOR	SIGNO DOOR PHONE	
1140/1	Doorphone set up with three supplementary buttons, of which one is already available. White	
1140/12	Doorphone with 10 supplementary buttons for intercom calls. White	



1140/1

ATLANTICO DOOR PHONE	
1133	Basic doorphone without supplementary buttons. White
1133/1	Doorphone set up with three supplementary buttons, of which one is already available. White
1133/10	Doorphone with voice on button on handset. White
1133/20	Doorphone with switch and two LEDs for indicating door open conditions
	(red LED and call diverter (green LED). White



1130 DOOR PHONE	
1130/1	Doorphone set up with three supplementary buttons, of which one is already available. Ivory
1130/50	Basic doorphone without supplementary buttons. White
1130/55	Basic doorphone with audio button on handset. White



#### **REFERENCES**



4+N LOUDSPI	EAKING UNIT	
824/500 📵 🔭	Slim audio loudspeaking unit for Exigo entry panel	
1145/500	Audio loudspeaking unit for Sinthesi S2 and Sinthesi Steel entry panel	
1145/510	Sinthesi S2 and Sinthesi Steel loudspeaking unit powered 12Vca	
1128/500	Audio loudspeaking unit for Mod. 925, Exigo entry panels	
1128/510	Audio loudspeaking unit for Mod. 925, Exigo entry panels, 12 Vac power	
5150/53	3-wire audio loudspeaking unit for Mod. 925 / Exigo entry panel	

NOTE: in order to complete an entry panel with frame, pushbutton modules, embedding box and accessories please refer to page 85

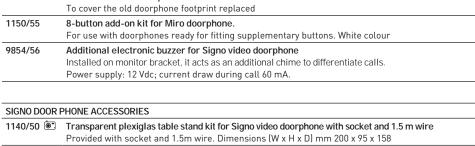


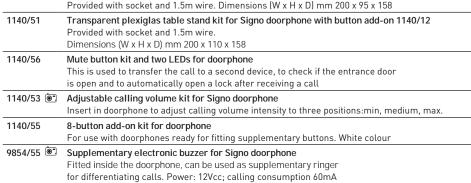
5150/53

MIRO DOOR	PHONE ACCESSORIES
1150/50	<b>Table-top kit for MIRO' door phones, white colour.</b> Provided with socket and 1.5m wire.
1150/51	Frame for MIRO' doorphone To cover the old doorphone footprint replaced
1150/55	<b>8-button add-on kit for Miro doorphone</b> . For use with doorphones ready for fitting supplementary buttons. White colour
9854/56	Additional electronic buzzer for Signo video doorphone Installed on monitor bracket, it acts as an additional chime to differentiate calls. Power supply: 12 Vdc; current draw during call 60 mA.



1140/50







ATLANTICO	DOOR PHONE ACCESSORIES
1133/50	Table-top kit for video doorphones, white Provided with socket and 1.5 m long wire
1132/53	Adjustable calling volume kit for doorphone Insert in doorphone to adjust calling volume intensity to three positions: min, medium, max
1133/55	<b>10-button add-on kit for doorphone</b> For use with doorphones ready for fitting supplementary buttons. White
9854/56	Additional electronic buzzer for Signo video doorphone Installed on monitor bracket, it acts as an additional chime to differentiate calls. Power supply: 12 Vdc; current draw during call 60 mA.





SERVICES

TELEPHONY



1130 ACCE	SSOR	IES
1130/120		Table-top kit and 12-wire cord White
1130/100	<b>©</b> *	10-button add-on kit for doorphone For use with doorphones ready for fitting supplementary buttons. Colour: ivory
9854/56	<b>©</b> ".	Supplementary electronic buzzer Fitted on bracket inside the doorphone, can be used as supplementary ringer for differentiating calls. Power: 12Vcc; calling consumption 60mA

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1130/100

4+N SYSTEM ACCESSORIES	
1131/4	10 diode box
	For use in 4+n audio and coax systems with intercom function.
9854/43	Supplementary ringer
	Suitable for use as supplemenary ringer in electronic and traditional call systems.
	Dimensions: 80 (W) x 80 (H) x 32 (D) mm



9854/56

4+N AUDIO KIT

1150/301 One-family 4+n wire kit with Miro door phone and Sinthesi S2 panel 1150/302 Two-family 4+n wire kit with Miro door phone and Sinthesi S2 panel

The kit includes:

- 1150/1 Miro door phone
- 786/11 audio power unit 1148/61 Sinthesi S2 frame
- 1145/51 fluh-mounting box
- 1145/500 Loudspeaking unit
- Button module 1148/21 (for 1150/301 kit) o 1148/22 (for 1150/302 kit)





MIRO AUDIO SINTHESI S2

For power supply and relay see page 78

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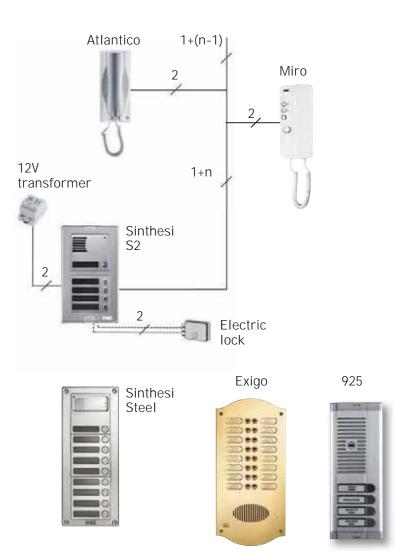


#### 1+N **SYSTEM**

#### Advantages and applications:

Ideal for transforming a typical door bell system into complete doorphone system without needing to add wires to the riser column.

Conversation privacy guaranteed between apartments.



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SERVICES

### **APARTMENT STATIONS**

MIRO AUDIO **i**4

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#### MAIN FEAUTURES

- > HIGH GLOSS FINISH (WHITE VERSION)
  > TOTAL FLAT MINIMUM DIMENSIONS
  > MICRO RECEIVER WITH PHONE PLUG
  > ELECTRONIC CALL ON LOUDSPEAKER
  > PROVISION FOR INSTALLATION
  WITH 503 FLUSH-MOUNTING BOXES
  AND ROUND 60 MM DIA. BOXES

**ATLANTICO i**5



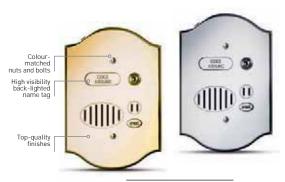
#### MAIN FEAUTURES

- > ERGONOMIC HANDSET > HANDSET WITH TELEPHONE CABLE AND CONNECTOR



#### **ENTRY PANELS**

#### **EXIGO**

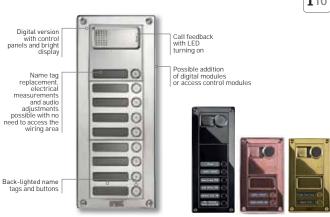


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#### SINTHESI STEEL

**i**10

**i**8



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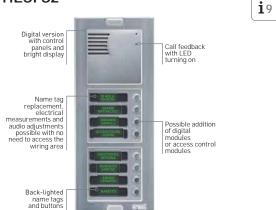
#### MAIN FEATURES

- > PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT ON HIGH-QUALITY BRASS FRONT COVERS WITH 3 MM THICKNESS > CUSTOMISED FINISHES (POLISHED AND SATIN BRASS, COLOUR FINISHES: CHROME STEEL, GUN METAL GREY COPPER BRONZE, MICACEOUS IRON, ETC.)

#### MAIN FEATURES

- > VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
  > COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
  > WHITE BACK-LIGHTING AND CUSTOMIZABLE NAME TAG COLOURS
  > MECHANICAL IMPACT RESISTANCE DEGREE: IK09
  > IP45 PROTECTION DEGREE
  [INGRESS OF SOLID OBJECTS AND WATER]

#### SINTHESI S2



#### MAIN FEATURES

- > ALUMINIUM BODY WITH POLISHED STEEL FINISH
- > COMPATIBLE WITH SINTHESI AND K-STEEL FLUSH-MOUNTING BOXES
- > GREEN BACKLIGHTING
- > MECHANICAL IMPACT RESISTANCE DEGREE: IK09
- > IP42 DEGREE (PROTECTION AGAINST SEEPAGE OF SOLID OBJECTS AND WATER)

#### 925



#### MAIN FEATURES

- > FLUSH ENTRY PANEL FOR FLUSH MOUNT / SURFACE WALL MOUNT
- > ALUMINIUM FRONT PANEL > COMPACT SIZE > IP33

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#### **REFERENCES**

MIRO DOOR PHONE	
1150/35 🖲 Door	rphone set up with three supplementary buttons. White
ATLANTICO DOOR P	HONE
1133/35A 🔊 Door	rphone set up with three supplementary buttons, of which one is already available. White

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1+N AUDIO	1+N AUDIO LOUDSPEAKING UNITS	
1145/67	Audio loudspeaking unit for Sinthesi S2 e Sinthesi Steel entry panel	
1035/67	Audio loudspeaking unit for 925, Exigo entry panel	

1+N SYSTE	M ACCESSORIES
1035/25	Conversation privacy device for Mod. 725 entry panels One every four users
1110/74	Conversation privacy device for Sinthesi and K-steel entry panels One every four users.
1158/74	Conversation privacy device for Exigo entry panels One every four users.
9854/43	Supplementary ringer Suitable for use as supplemenary ringer in electronic and traditional call systems. Dimension: 80 (W) x 80 (H) x 32 (D) mm

ATLANTICO ACCESSORIES							
1133/50	1133/50 Table-top kit for video doorphones, white Provided with socket and 1.5 m long wire						
1132/53	Adjustable calling volume kit for doorphone Insert in doorphone to adjust calling volume intensity to three positions: min, medium, max						
9854/56	Additional electronic buzzer for Signo video doorphone Installed on monitor bracket, it acts as an additional chime to differentiate calls. Power supply: 12 Vdc; current draw during call 60 mA.						

1150/50	Table-top kit for MIRO' door phones, white colour.
	Provided with socket and 1.5m wire.
1150/51	Frame for MIRO' doorphone
	To cover the old doorphone footprint replaced
1150/55	8-button add-on kit for Miro doorphone.
	For use with doorphones ready for fitting supplementary buttons. White colour
9854/56	Additional electronic buzzer for Signo video doorphone
	Installed on monitor bracket, it acts as an additional chime to differentiate calls.
	Power supply: 12 Vdc; current draw during call 60 mA.







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#### POWER SUPPLY UNIT / ACCESSORIES

DOORPHONE	POWER SUP	PLY UN	NIT		
Code	Dimensions (HxWxD) mm	DIN mod.	Electrical specifications	No. of devices called in parallel	Notes
786/11	61 x 54 x 90	3	Power: 230Vac Audio circuit: 6Vdc@0.12A Electric lock power12Vdc@2A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device with call generator to be used in basic 4+n doorphone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/1, 786/14, 786/38 and 9006/1.
786/12	61 x 54 x 90		Power: 110Vac Audio circuit: 6Vdc@0.12A Electric lock power12Vdc@2A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device with call generator to be used in basic 4+n doorphone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/14, 786/38.
786/13	61 x 90 x 108	6	Power: 110Vac Audio circuit: 6Vdc@0.12A Electric lock power12Vdc@2A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device with call generator to be used in basic 4+n doorphone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/14, 786/38 and 9006/1.
786/15	61 x 90 x 108	6	Power: 230Vac Audio circuit: 6Vdc@0.12A Electric lock power12Vdc@2.4A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Relay contact capacity (7-8-9): 5A @ 12Vac Relay contact cap. 1-2-3 and 4-5-6): 5A @ 12Vac Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device for 4+n systems provided with relay for automatically switching 2 inputs or one input and intercom. Two call generators are present for differentiated calls between services. Replaces 786/5 and 9006/5 power units
9000/230	54 x 83 x 58,5	3	Power: 230Vac Secondary output: 12Vac@1.3A Transformer power: 18 VA	2 with traditional call	Transformer provided with PTC self-resetting protection in event of short-circuit.

Type-approval: IMQ-CE- CEI EN 60065 (except for code 786/11 which is IMQ-CE- VDE CEI EN 60065 approved)









VIDEO DOORP	HONE POWE	R SUP	PLY UNIT		
Code	Dimensions (HxWxD) mm	DIN mod.	Electrical specifications	Functions	Notes
789/5B	180 x 75 x 97	10	Power: 230Vac Audio circuit: 6Vdc@0.2A Electric lock power12Vdc@2A Tone generator: 8Vpp Consumption: 200mA Timed output: 18Vdc@0.85A; 16Vdc@0.23Vac Timer: 45-180s Power dissipated after one hour of work: 5.7 W Transformer power: 38VA	The device allows to: - call up to 4 devices with electronic call - switch on one Arco monitor or two Imago/ Signo/Utopia monitors at the same time.	Used for powering video doorphone systems with electronic call. Provided with self-resetting PTC protection, adjustable timer and call generator. Device 786/51 is needed in intercom systems.
789/6B	180 x 75 x 97	10	Power: 110Vac Audio circuit: 6Vdc@0.2A Electric lock power12Vdc@2A Tone generator: 8Vpp Consumption: 200mA Timed output: 18Vdc@0.85A; 16Vdc@0.23Vac Timer: 45-180s Power dissipated after one hour of work: 5.7 W Transformer power: 38VA	The device allows to: - call up to 4 devices with electronic call - switch on one Arco monitor or two Imago/ Signo/Utopia monitors at the same time.	Used for powering video doorphone systems with electronic call. Provided with selfresetting PTC protection, adjustable timer and call generator. Device 786/51 is needed in intercom systems.
789/3	126 x 75 x 97	7	Power: 230Vac Consumption: 200mA Timed output: 18Vdc@ 1.35A Power dissipated after one hour of work: 5.7 W Transformer power: 38VA	The device is used to switch on two Arco monitors or three Imago/Signo/Utopia monitors at the same time.	Used in combination with 789/5B with local power supply to switch on various video door phones at the same time. Replaces power supply unit 7073/5.

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RELAY BOX	KES, TONE GENERA	ATORS, TIM	IERS AND LINE PROTECTIONS	
Code	Dimensions (HxWxD) mm	DIN mod.	Electrical specifications	Notes
788/51	108 x 90 x 55	6	Power: 12Vdc Consumption: 0.18A@12Vac Relay contact capacity (7-8-9): 5A@12Vac Max. contact power: 1A@12Vac	Relay used to manage 2 audio/video loudspeaking units or 1 audio/video loudspeaking unit and automatic switching intercom service. Provided with 5 outputs, replaces relays 9332/1 788/1 and 4340/11.
788/54	216 x 90 x 64	12	Power: 12Vdc Consumption: 0.18A@12Vac Max. relay contact power: 5A@30V Max. contact power: 2A@100V	Relay used to manage up to 4 audio/video loudspeaking units or 1 audio/video loudspeaking unit and automatic switching intercom service. Provided with 5 outputs, replaces relay 788/4.
788/58	108 x 90 x 55	6	Power: 12Vdc Consumption: 0.18A@12Vac Max. relay contact power: 5A@30V Max. contact power: 2A@100V	Relay used to manage up to 4 audio/video loudspeaking units or 1 audio/video loudspeaking unit and automatic switching intercom service. Provided with 4 outputs, replaces relays 788/8 and 9332/8.
788/52	54 x 64 x 90	3	Power: 12Vac Consumption: 0.18A@12Vac Max. relay contact power: 5A@30V	Relay used for repeating electronic/traditional calls or control a second electric lock. Provided with 2 outputs, replaces relays 788/11-788/21-788/30 and 788/5. For fixing to the wall using kit 786/50.
788/22	47 x 58 x 15	-	Power: 12Vac Consumption: 200mA@12Vdc Max. relay contact power: 5A@12Vac Timer 1-30s	Relay used for repeating electronic/traditional calls. It is provided with an output and can be installed inside the doorphone.
1032/81	72 x 90 x 75	4	Power: 12-24Vdc/Vac Consumption: 200mA@12Vdc Max. relay contact power: 5A@12Vac	Electric lock timer
1083/69	120 x 120 x 55	-	Power: 12-24Vdc/Vac Consumption: 300mA	Video switch for cyclically switching up to 4 CCTV cameras to a single output.
789/51	36 x 75 x 103	2	Power: 6Vdc Consumption: 50mA	Electronic impedance to be used in combination with the 789/5B power supply unit with coaxial and intercom service.
787/1	75 x 72 x 103	4	Power: 12Vac Consumption: 250mA@12Vac	Tone generator to be used for repeating electronic calls in 4+n audio systems and coax video systems. Calls two devices at the same time.
787/2	75 x 72 x 103	4	Power: 12Vac Consumption: 250mA@12Vac	Tone generator to be used for repeating electronic calls in 1+n audio systems and 5-wire video systems. Calls two devices at the same time.
1382/85	36 x 90 x 58	2	Max. load: 4000VA Max. current: 20A	230Vac power line protection device. To be used near the device to be protected.
1332/86	37 x 90 x 58	3	Max. load: 4000VA Max. current: 20A dB attenuation: 60dB@2MHz	Radiofrequency filter on 230Vac feeding line. To use in case of radiofrequency interference on the system.



#### **RINGERS**



Urmet has a complete range of traditional ringers, compatible with all system types.

Mistral integrates the range with a series of amplified ringers which can emit a flash of light. All wireless: for installation convenience because no wire connections are needed, particularly appreciated when working on existing systems.

Furthermore, the wireless solution means that portable receivers can be used: these are particularly useful for villa or condo superintendents, convalescents and for convenient use.

The wireless ringer reception range reaches 150 or 200 metres according to the model.

TRADITIONAL RINGERS										
Codice	2Voice	<b>IperVoice</b>	Digivoice	Coax	5 fili	4+n	1+n	Notes		
1072/59	YES	YES	YES	NO	NO	NO	NO	Emits a three-note tone and can be customised. 9Vdc battery needed.		
9854/43	YES	NO	NO	SÌ	YES	YES (traditional ca	NO all)			

Dimensions (W x H x D) 80 x 80 x 32 mm

#### Mistral wireless ringers

The ring tone can be chosen. Repeater function: the distance between ringer and calling button can be increased by connecting a calling button on a second wireless ringer. By using a call repeater 4311/13, a call can be repeated to a Mistral ringer installed in any system. Transmission frequency: 868.35Mhz. Alarm function: press the transmitted button for longer than 2s to generate an alarm signal which is different from the chosen sound.

#### 4311/701\*

 $\label{thm:mistral} \mbox{Mistral kit with call repeater and wireless ringer}$ 

The kit includes a repeater 4311/13 and a ringer with range of 100 m and choice of three ring tones.

\* Contact the sales network for availability.









#### **DUO HANDS FREE SYSTEM**

COD. 752



**i**6

#### MAIN FEAUTURES

> **DUO**: TWO CALL-SWITCHING PANELS WITH CONVERSATION PRIVACY FUNCTION AND WIRE IN COLUMN

Versatile solutions. **Duo**hands-free sends the call
from entry panel to apartment
station speaker, allows
two-way communication
and operates the door
lock in addition to other
supplementary services.







752/33

752/20

1148/70

#### DUO APARTMENT STATIONS

752/33 Utopia Duo hands-free mod. 752. Material: white ABS

Provide with door opening button, audio button, supplementary service button, adjustable call volume with open door mute and LED indicators.

May replace Superjolly doorphone Ref. 4340/23 with the addition of a buzzer Ref. 9854/52. Suitable for wall-mounting or flush-mounting using box Ref. 752/60. Wall-mounted installation dimensions: 88 (W) x 155 (H) x 40 (D) mm. Flush-mounted installation, including frame: 128 (W) x 230 (H) x 13 (D) mm.

81



#### **DUO HANDS FREE SYSTEM**

#### COD. **752**



9854/43

ACCESSORIES						
752/60	Flush-mounting box with Utopia Duo wall frame					
	This is used to install the Duo hands-free doorphone Ref. 752 flushed					
	with the wall. Flush-mounting box dimensions: 209 (W) x 104 (H) x 32 (D) mm					
	Frame dimensions: 128 v 230 (W v H) mm					

SUPPLEM	SUPPLEMENTARY RINGERS						
9854/43	<b>©</b>	Supplementary ringer Suitable for use as supplemenary ringer in electronic and traditional call systems Dimensions: 80 (W) x 80 (H) x 32 (D) mm					
9854/56		Supplementary electronic buzzer Suitable for use as supplementary ringer in electronic and traditional call systems. Insert in doorphone or in video doorphone bracket. Consumption: 60 mA @ 12Vac; 15 mA @ 12Vdc Power: 12Vdc or 12Vac					



788/51

RELAYS		
788/52		Relay box with 2 switches Provided with 2 switches for repeating the call to other devices or activating a secondary function. Replaces relay Ref. 788/30. Consumption: 0.18A @12Vac Relay contact power: 5A @12Vac
788/51	<b>®</b>	Relay box for 2 audio/video functions Relay used to manage up to 2 audio/video loudspeaking units or 1 audio/video loudspeaking unit.



752/20

POWER S	POWER SUPPLY UNIT									
752/20	□ <b>②</b>	Power unit for Duo audio speaker doorphone system								
		Provided with built-in call tone generator and Int-Ext audio signal amplifier.								
	Suitable for use in Duo speaker doorphones. May replace power unit 4340/20.									
		Provided with built-in call tone generator and Int-Ext audio signal amplifier.								
		Power: 110 - 230 Vac - 50/60 Hz. Transformer power: 28 VA.								
		Dimensions: 9 DIN modules, 162 (W) x 108 (H) x 75 (D) mm								



1148/70

MICROPHONE MODULES AND SPEAKER WITH LOUDSPEAKING UNIT								
1148/70	•	Sinthesi S2 microphone module for Duo speakerphone audio system For use in Duo speakerphone systems only with built-in microphone. Module dimensions: 90 (W) x 90 (H) mm. Degree of protection: IP42.						
1148/75		Sinthesi S2 speaker module for Duo speakerphone audio system For use in Duo speakerphone systems only with built-in speaker. Module dimensions: 90 (W) x 90 (H) mm. Degree of protection: IP42.						





TELEPHONY



#### **INTERCOM**

COD. 8202



MAIN FEAUTURES

> COMMUNICATIONS RUN ON THE ELECTRIC WIRE

Intercom power line communication device for establishing communications between devices.

**i**7

#### POWER LINE COMMUNICATION INTERCOM MOD. 8200

8202/1

Two-channel Power Line Communication intercom, grey

These Power Line Communication intercoms modulate the audio signal and transmit it through the electrical mains lines at 230Vac. Simply plug the intercom into a normal power socket to communicate with the other intercoms connected to the same mains and the same phase.

Power: 230Vac - 50Hz Installation: table-top. Dimensions: 140 (W) x 140 (H) x 42 (D) mm. Weight: 450 g.



These Power Line Communication intercoms modulate the audio signal and transmit

it through the electrical mains lines at 230Vac. Simply plug the intercom into a normal power socket to communicate with the other intercoms connected to the same mains and the same phase.

Power: 230Vac - 50Hz Installation: table-top. Dimensions: 186 (W) x 130 (H) x 42 (D) mm. Weight: 450 g.

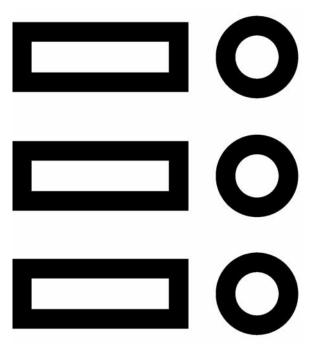


8202/1

8203/1



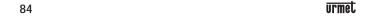




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# PANELS CESSORIES ⊢ **□** Z **Z** ЫA

ELEKTA
ELEKTA STEEL
TITANIUM
EXIGO E EXIGO DIGITAL
SINTHESI STEEL
SINTHESI S2
925
MIKRA
MIKRA EXIGO

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# TECHNOLOGY, ELEGANCE, CUSTOMIZABLE FEATURES







SOLUTIONS FOR ALL STYLES: HIGH-CLASS DELUXE RESIDENTIAL

The Urmet entry panels are simple and easy to install. They are compatible with all system types and have styles for all market needs.



ELEKTA Technology advancement is here and now Pag. 36, 50



ELEKTA STEEL The very best under every respect Pag. 36, 50



TITANIUM Renovate with elegance Pag. 37, 51, 60, 65





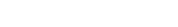


ELEKTA STEEL in PVD - www.prodeltorino.it









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EXIGO e EXIGO DIGITAL
Historical town centres, historic buildings

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and luxury homes
Pag. 88







SINTHESI STEEL STEEL in PVD

www.prodeltorino.it



SINTHESI STEEL Sturdy style Pag. 102



SINTHESI S2 Naturally modular Pag. 106



925 Neat design that stems from tradition Pag. 112



MIKRA Sturdiness in micro dimensions Da pag. 122



MIKRA EXIGO Simple and sophisticated Da pag. 122

87

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# titanium







Titanium is the dedicated call module video panel compatible with 2VOICE and IPERVOICE systems.
It is suited for flush mounting

with dedicated embedding box. Titanium panel finishing and shape are customizable to fit in the best way inside the building structure. Two finishings are available polished and satin.
Titanium panel size and shape are also customizable to eventually fit with existing

embedding box and avoid expensive hand-work on the wall.

#### MAIN FEAUTURES

- > 2VOICE VANDAL-PROOF CALL MODULE
- > 3MM THICKNESS SINGLE BLOCK STRUCTURE PANEL
- > AVAILABLE IN SATIN AND POLISHED FINISHING
- > ANTIOXIDATION TREATMENT

- > CUSTOMIZABLE (SHAPES, ENGRAVING, SIZES, FINISHINGS)
- > EVENTUALLY ADAPTABLE TO EXISTING EMBEDDING BOX
- > INTEGRATION OF URMET GROUP ELECTRONIC IN A SINGLE BLOCK STRUCTURE PANEL

#### **COMPATIBLE WITH**











URMET

SERVICES



# THE VANDAL-PROOF ENTRY PANELS THAT ARE ADAPTABLE TO EXISTING EMBEDDING BOXES

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Prodel is an Urmet Group company based in Turin and specialized in custom panels.

Prodel controls 100% of manufacturing process from design to manufacturing of custom panels based on electronic from Urmet Group to fit various customer demands.

In IperVoice systems Titanium panel allows to have minimum depth panel with only 3 mm out of the wall.

Titanium can integrate in the same panel electronic from different Urmet Group companies, e.g. FDI keypand can joined to Urmet Mikra video call module.

TITANIUM product line resumes on the same panel the highest quality and elegance available in the market and customization requirement to fit in the best way with customer demands, avoiding expensive hand-work on the wall.

www.prodeltorino.it



# exigo









#### MAIN FEAUTURES

- > COMPATIBLE WITH DIGITAL 2VOICE SYSTEM AND ALL ANALOGUE SYSTEMS
- > PVD ANTI-CORROSION AND ANTI-OXIDATION TREATMENT ON AUDIO AND VIDEO VERSIONS, FOR BOTH CLASSIC AND SPECIAL MODELS
- > POLISHED AND SATIN-FINISHED BRASS
- > CUSTOMIZED FINISHES (POLISHED AND SATIN-FINISHED BRASS, COLOUR FINISHES: STEEL-CHROME, GUN-METAL GREY, COPPER BRONZE, MICACEOUS IRON, ETC)
- > RETROFITS TO ALL URMET ENTRY PANELS AND TO THIRD-PARTY ENTRY PANELS AT REQUEST

#### **COMPATIBLE WITH**



















TELEPHONY



# exigo Digital



In contemporary buildings and large residential complexes, the use of entry panel call modules with electronic directory instead of traditional key entry panels is increasingly becoming necessary. Urmet, again in cooperation with its subsidiary

company Prodel, is able to provide an ideal solution, with a wide range of models that complete the range of entry panels. The result perfectly combines the technology of the most advanced Urmet communication systems with the style and reliability of

Exigo entry panels, marking the birth of the new range of Exigo Digital products. The various models may be customised both in shapes and in dimensions. Again, the following colours are available: PVD BRASS, PVD GUN METAL GREY, PVD COPPER BRONZE, CHROME STEEL AND MICACEOUS IRON In addition to the call module, it is possible to combine static directory modules in the same shapes and colours, which allow to list the available users, speeding up the use.







**COMPATIBLE WITH** 





www.prodeltorino.it





### STYLISH, TECHNOLOGICAL, OXIDISATION-PROOF: PVD PUSH BUTTON PANEL BY PRODEL

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THIRD-PARTY
ENTRY PANEL > EXIGO

IDEAL FOR: ANCIENT BUILDINGS RENOVATED BUILDINGS DETACHED HOUSES SEMI-DETACHED HOUSES

Elegance is the balance of character and refinement. Elegance is Exigo which, with its fluid, classical shapes, high quality material and special finishes, is the ideal panel to add a touch of style to historical buildings and places of architectural interest: in the heart of cities, where appearance is fundamental and where modern communication systems are a must. This is why Exigo blends traditional design and stateof-the-art technology, integrating solutions compatible with all

system types - audio, video, analogue, digital, including the new 2Voice two nonpolarised wire system - with all the functions you need.

Exigo is addressed to users who love to choose among endless options: many finishes, in polished and satin-finished brass, and the new colour finishes from the Special series; flexible options for the engravings of name labels (available in two materials - brass and anthracite PVC) and front panels, with a choice of 2

characters. What about back-lighting? Stylish white back-lighting is provided by high-efficiency LEDs.

Classiness is timeless: this is why Urmet has made a range of panels that is guaranteed to stand up to the test of time. Quality materials and high-tech solutions have made it possible to reach this objective: rough brass panels are subjected to galvanic treatment followed by PVD. PVD - Physical Vapour Deposition - consists of coating the object with

an electrochemical titanium treatment to confer the top robustness and resistance to elements and wear over time. In this manner, Urmet brass panels remain as new, year after year, like the first day.

The same high standard of care is found in details, such as the labels mounted on the reverse side for improved aesthetics and enhanced yandal resistance.

#### MAIN FEAUTURES

- > CORROSION-PROOF
- > OXIDISATION PROOF
- > UTMOST WEATHER RESISTANCE
- > PVD
- > WHOLE SURFACE IS TREATED INCLUDING BUTTONS, LABELS AND SCREWS







#### PVD TREATMENT



#### PVD treatment by **Prodel**

Urmet, thanks to its subsidiary Prodel, is the only company of the sector which performs in-house the whole PVD production cycle. This allows the company to offer products with extremely reduced

delivery times and with the most competitive prices on the market.

Moreover, only the internal production control allows to offer the maximum

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production control allows to offer the maximum quality and the optimum treatment performance.

www.prodeltorino.it



#### DOUBLE TREATMENT BY ELECTROCHEMICAL TITANIUM PVD AND ELECTRO-PLATING

- Electro-chemical titanium PVD treatment
- Electro-plating
- Front panel fully made from top-quality watchmaking brass





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# exigo





#### MAIN FEAUTURES

- > AUDIO AND VIDEO ANALOGUE AND DIGITAL SOLUTIONS, 1 OR 2 ROWS
- > CAN BE USED WITH FLUSH-MOUNTING BOXES MOD 1145 WITH 1 UP TO 10 BUTTONS
- > COMPATIBLE WITH CERTAIN FLUSH-MOUNTING BOXES MOD. 625\*
- > 3 TO 20 BUTTONS





Polished brass (LO)

Satin-finished brass (S0)

\* For more information, please contact the Urmet sales network, visit www.prodeltorino.it or call +39 011 2484103.

#### Exigo

Available from stock in the 1 to 20-buttons audio and video versions. Front panel and flush-mounting box are sold separately so that the

existing box can reused in renovation projects. A craftsman's workmanship merged with industrial technology and efficiency, superior quality products and attentive, timely service. The products from Urmet's Exigo series are delivered from stock.





SHOWCASE









#### MAIN FEAUTURES

- > BROAD CHOICE OF COLOURS, FINISHES AND NUMBER OF BUTTONS
- > FITS EXISTING FRONT PANELS (MOD. 625, MOD. 725, KOMBI AND SINTHESI)





Polished brass

Satin-finished brass





Chrome-steel polished brass

Chrome-steel satin-finished brass





Gun metal grey polished brass

Gun metal grey satin-finish brass





Copper bronze polished brass

polished brass Copper bronze satin-finished brass



Tailored systems and design styles

Prodel (a Urmet Group company that fabricates custom-made products) offers its customer increased freedom of choice and flexible customization options under all respects, including appearance and technology.

Micaceous iron brass

www.prodeltorino.it



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#### **DEFINE YOUR STYLE**



Exigo is the entry panel that offers endless customization options and refined finishes, in polished and satin-finished brass with steel-chrome, gun-metal grey, copper bronze, micaceous iron colour finishes. Even shapes can be customized to user's preferences thanks to Prodel's special machining capabilities. To find out more, please visit www.prodeltorino.it.



Polished brass (LO)



Satin-finished brass (SO)



Micaceous iron brass (VM)



Polished steel (LA)



Satin-finished steel (SA)



Gun metal grey polished brass (LF)



Gun metal grey satin-finish brass (SF)



Copper bronze polished brass



Copper bronze satin-finished brass (SB)

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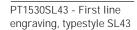


TELEPHONY











lacktriangle

PT1530AERO - First line engraving, typestyle AERO





PVD brass label with punched out lettering, typestyle STENCIL



Label in steel-effect material with punched out lettering, typestyle STENCIL, with BLUE opal glass spare label

1x PT1530AERO + 2x PT1531AERO First line engraving, typestyle AERO + two engravings on additional line typestyle AERO



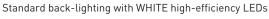
Engraved PVC label,













typestyle SL43





#### Spare opal glass label for GREEN lighting

A harmonious, consistent style enhances the class of a building. Exigo adapts to the building's architectural style and offers:

- rounded shapes for ancient buildings
- square shapes for the most contemporary buildings
- a matching line of bells and signs to achieve a consistent building style from main entrance to apartment door.

Brass engravings in two typestyles: a sober AERO or the calligraphic SL43 typestyle for information and indications such as street name, building number, warnings and all label names, available in brass or anthracite PVC

Spare opal glass label for BLUE lighting

A historic building name or other information may be engraved on the top and bottom

area of the front panel for an uncluttered appearance with no need for additional signs.

Note: Please contact sales network to enquire about custom engravings and special typestyles.

www.prodeltorino.it



# exigo





PT2185/101



PT2143/106



PT2143/207



PT2143/210

#### BRASS-COATED POLISHED AUDIO FRONT PANELS FOR FLUSH-MOUNTING BOXES MOD. 1145 (flush-mounting box not included). All front panels are in stock

PRODEL FRONT PANEL	URMET FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX/4+N	5 WIRE/1+N
PT2185/101L	1145/51*	1	1	132 X 187	118 X 114 X 45	NO	YES	NO
PT2185/102L	1145/51*	2	1	132 X 187	118 X 114 X 45	NO	YES	NO
PT2143/101L	1145/52 + 1143/60	1	1	136 X 270	118 X 204 X 60	YES	YES	YES
PT2143/102L	1145/52 + 1143/60	2	1	136 X 270	118 X 204 X 60	YES	YES	YES
PT2143/103L	1145/53 + 1143/60	3	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/104L	1145/53 + 1143/60	4	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/105L	1145/53 + 1143/60	5	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/106L	1145/53 + 1143/60	6	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/207L	2x1145/52 + 2x1143/60**	7	2	264 X 280	244 X 204 X 60	YES	YES	YES
PT2143/208L	2x1145/52 + 2x1143/60**	8	2	264 X 280	244 X 204 X 60	YES	YES	YES
PT2143/209L	2x1145/53 + 2x1143/60**	9	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2143/210L	2x1145/53 + 2x1143/60**	10	2	264 X 370	244 X 294 X 60	YES	YES	YES
L: polished S: satin-finish	*Uses outdoor station 4+n **Buttons are not arranged							

Please add to the PT code the letter equivalent to the selected coloration "A": steel colour, "B": copper bronze colour, "F": gun metal colour, "O": gold colour

#### BRASS-COATED SATIN-FINISHED AUDIO FRONT PANELS FOR FLUSH-MOUNTING BOXES MOD. 1145 (flush-mounting box not included). All front panels are in stock

PRODEL FRONT PANEL	URMET FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX/4+N	5 WIRE/1+N
PT2185/101S	1145/51*	1	1	132 X 187	118 X 114 X 45	NO	YES	NO
PT2185/102S	1145/51*	2	1	132 X 187	118 X 114 X 45	NO	YES	NO
PT2143/101S	1145/52 + 1143/60	1	1	136 X 270	118 X 204 X 60	YES	YES	YES
PT2143/102S	1145/52 + 1143/60	2	1	136 X 270	118 X 204 X 60	YES	YES	YES
PT2143/103S	1145/53 + 1143/60	3	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/104S	1145/53 + 1143/60	4	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/105S	1145/53 + 1143/60	5	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/106S	1145/53 + 1143/60	6	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2143/207S	2x1145/52 + 2x1143/60**	7	2	264 X 280	244 X 204 X 60	YES	YES	YES
PT2143/208S	2x1145/52 + 2x1143/60**	8	2	264 X 280	244 X 204 X 60	YES	YES	YES
PT2143/209S	2x1145/53 + 2x1143/60**	9	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2143/210S	2x1145/53 + 2x1143/60**	10	2	264 X 370	244 X 294 X 60	YES	YES	YES
L: polished	*Uses outdoor station 4+n	824/500						

S: satin-finish \*\*Buttons are not arranged symmetrically.

Please add to the PT code the letter equivalent to the selected coloration "A": steel colour, "B": copper bronze colour, "F": gun metal colour, "O": gold colour

FRAME
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1143/60 Spacer frame for mod. 1145 flush-mounting box For use in combination with mod. 1145 flush-mounting box with brass-plated panels series

NOTE: name plate engraving/punching service (see page 96) www.prodeltorino.it\MYPRODEL





URMET





#### BRASS-COATED POLISHED VIDEO FRONT PANELS FOR FLUSH-MOUNTING BOXES MOD. 1145 (flush-mounting box not included). All front panels are in stock

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PRODEL FRONT PANEL	URMET FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2785/101L	1145/52+ 1143/60*	1	1	136 X 270	118 X 204 X 60	NO	YES	NO
PT2785/102L	1145/52+ 1143/60*	2	1	136 X 270	118 X 204 X 60	NO	YES	NO
PT2743/101L	1145/53 + 1143/60	1	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2743/102L	1145/53 + 1143/60	2	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2743/103L	1145/54 + 1143/60	3	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/104L	1145/54 + 1143/60	4	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/105L	1145/54 + 1143/60	5	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/106L	1145/54 + 1143/60	6	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/207L	2x1145/53 + 2x1143/60**	7	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/208L	2x1145/53 + 2x1143/60**	8	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/209L	2x1145/53 + 2x1143/60**	9	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/210L	2x1145/53 + 2x1143/60**	10	2	264 X 370	244 X 294 X 60	YES	YES	YES

L: polished S: satin-finish

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\*Uses outdoor station 4+n 824/500.

\*\*Buttons are not arranged symmetrically.

Please add to the PT code the letter equivalent to the selected coloration "A": steel colour, "B": copper bronze colour, "F": gun metal colour, "O": gold colour

#### MATCHING BRASS-COATED POLISHED VIDEO FRONT PANELS FOR FLUSH-MOUNTING BOXES MOD. 1145 (flush-mounting box not included). All front panels are in stock

PRODEL FRONT PANEL	URMET FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2785/101S	1145/52+ 1143/60*	1	1	136 X 270	118 X 204 X 60	NO	YES	NO
PT2785/102S	1145/52+ 1143/60*	2	1	136 X 270	118 X 204 X 60	NO	YES	NO
PT2743/101S	1145/53 + 1143/60	1	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2743/102S	1145/53 + 1143/60	2	1	136 X 360	118 X 294 X 60	YES	YES	YES
PT2743/103S	1145/54 + 1143/60	3	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/104S	1145/54 + 1143/60	4	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/105S	1145/54 + 1143/60	5	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/106S	1145/54 + 1143/60	6	1	136 X 450	118 X 384 X 60	YES	YES	YES
PT2743/207S	2x1145/53 + 2x1143/60**	7	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/208S	2x1145/53 + 2x1143/60**	8	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/209S	2x1145/53 + 2x1143/60**	9	2	264 X 370	244 X 294 X 60	YES	YES	YES
PT2743/210S	2x1145/53 + 2x1143/60**	10	2	264 X 370	244 X 294 X 60	YES	YES	YES

L: polished S: satin-finish \*Uses outdoor station 4+n 824/500.

S: satin-finish \*\*Buttons are not arranged symmetrically.

Please add to the PT code the letter equivalent to the selected coloration "A": steel colour, "B": copper bronze colour, "F": gun metal colour, "O": gold colour

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F	R/	۷Λ	ΛF

1143/60 Spacer frame for mod. 1145 flush-mounting box

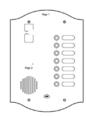
For use in combination with mod. 1145 flush-mounting box with brass-plated panels series



PT2785/101



PT2743/102



PT2743/207



PT2743/210

www.prodeltorino.it



# exigo





PT2121/106



PT2121/208



PT2121/214



PT2121/220

#### POLISHED BRASS-PLATED FRONT PANELS (AUDIO) FOR MOD. 625 FLUSH-MOUNTING BOXES (flush-mounting box not included). All front panels are in stock

PRODEL FRONT PANEL	PRODEL FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2121/103L	PT2121/503	3	1	130 X 326	110 X 256 X 55	YES	YES	YES
PT2121/104L	PT2121/504	4	1	130 X 354	110 X 284 X 55	YES	YES	YES
PT2121/105L	PT2121/505	5	1	130 X 382	110 X 312 X 55	YES	YES	YES
PT2121/106L	PT2121/506	6	1	130 X 410	110 X 340 X 55	YES	YES	YES
PT2121/204L	PT2121/604	4	2	206 X 299	186 X 228 X 55	YES	YES	YES
PT2121/206L	PT2121/606	6	2	206 X 299	186 X 228 X 55	YES	YES	YES
PT2121/208L	PT2121/608	8	2	206 X 364	186 X 284 X 55	YES	YES	YES
PT2121/210L	PT2121/610	10	2	206 X 364	186 X 284 X 55	YES	YES	YES
PT2121/212L	PT2121/612	12	2	206 X 392	186 X 312 X 55	YES	YES	YES
PT2121/214L	PT2121/614	14	2	206 X 420	186 X 340 X 55	YES	YES	YES
PT2121/216L	PT2121/616	16	2	206 X 448	186 X 368 X 55	YES	YES	YES
PT2121/218L	PT2121/618	18	2	206 X 476	186 X 396 X 55	YES	YES	YES
PT2121/220L	PT2121/620	20	2	206 X 504	186 X 424 X 55	YES	YES	YES

L: polished S: satin-finish

Please add to the PT code the letter equivalent to the selected coloration "A": steel colour, "B": copper bronze colour, "F": gun metal colour, "O": gold colour

#### SATIN BRASS-PLATED FRONT PANELS (AUDIO) FOR MOD. 625 FLUSH-MOUNTING BOXES (flush-mounting box not included). All front panels are in stock

PRODEL FRONT PANEL	PRODEL FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2121/103S	PT2121/503	3	1	130 X 326	110 X 256 X 55	YES	YES	YES
PT2121/104S	PT2121/504	4	1	130 X 354	110 X 284 X 55	YES	YES	YES
PT2121/105S	PT2121/505	5	1	130 X 382	110 X 312 X 55	YES	YES	YES
PT2121/106S	PT2121/506	6	1	130 X 410	110 X 340 X 55	YES	YES	YES
PT2121/204S	PT2121/604	4	2	206 X 299	186 X 228 X 55	YES	YES	YES
PT2121/206S	PT2121/606	6	2	206 X 299	186 X 228 X 55	YES	YES	YES
PT2121/208S	PT2121/608	8	2	206 X 364	186 X 284 X 55	YES	YES	YES
PT2121/210S	PT2121/610	10	2	206 X 364	186 X 284 X 55	YES	YES	YES
PT2121/212S	PT2121/612	12	2	206 X 392	186 X 312 X 55	YES	YES	YES
PT2121/214S	PT2121/614	14	2	206 X 420	186 X 340 X 55	YES	YES	YES
PT2121/216S	PT2121/616	16	2	206 X 448	186 X 368 X 55	YES	YES	YES
PT2121/218S	PT2121/618	18	2	206 X 476	186 X 396 X 55	YES	YES	YES
PT2121/220S	PT2121/620	20	2	206 X 504	186 X 424 X 55	YES	YES	YES

L: polished S: satin-finish

Please add to the PT code the letter equivalent to the selected coloration "A": steel colour, "B": copper bronze colour, "F": gun metal colour, "0": gold colour

F	R	Α	Λ	/	E

Spacer frame for mod. 1145 flush-mounting box
For use in combination with mod. 1145 flush-mounting box with brass-plated panels series 1143/60

NOTE: name plate engraving/punching service (see page 96) www.prodeltorino.it\MYPRODEL







#### POLISHED BRASS-PLATED FRONT PANELS (VIDEO) FOR MOD. 625 FLUSH-MOUNTING BOXES (flush-mounting box not included). All front panels are in stock

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PRODEL FRONT PANEL	PRODEL FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2721/103L	PT2721/503	3	1	130 X 410	110 X 344 X 55	YES	YES	YES
PT2721/104L	PT2721/504	4	1	130 X 438	110 X 372 X 55	YES	YES	YES
PT2721/105L	PT2721/505	5	1	130 X 466	110 X 400 X 55	YES	YES	YES
PT2721/106L	PT2721/506	6	1	130 X 494	110 X 428 X 55	YES	YES	YES
PT2721/204L	PT2721/604	4	2	206 X 392	186 X 316 X 55	YES	YES	YES
PT2721/206L	PT2721/606	6	2	206 X 392	186 X 316 X 55	YES	YES	YES
PT2721/208L	PT2721/608	8	2	206 X 420	186 X 344 X 55	YES	YES	YES
PT2721/210L	PT2721/610	10	2	206 X 448	186 X 372 X 55	YES	YES	YES
PT2721/212L	PT2721/612	12	2	206 X 476	186 X 400 X 55	YES	YES	YES
PT2721/214L	PT2721/614	14	2	206 X 504	186 X 428 X 55	YES	YES	YES
PT2721/216L	PT2721/616	16	2	206 X 532	186 X 456 X 55	YES	YES	YES
PT2721/218L	PT2721/618	18	2	206 X 560	186 X 484 X 55	YES	YES	YES
PT2721/220L	PT2721/620	20	2	206 X 588	186 X 512 X 55	YES	YES	YES

L: polished S: satin-finish

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Please add to the PT code the letter equivalent to the selected coloration "A": steel colour, "B": copper bronze colour, "F": gun metal colour, "O": gold colour

POLISHED BRASS-PLATED FRONT PANELS (VIDEO) FOR MOD. 625 FLUSH-MOUNTING BOXES (flush-mounting box not included). All front panels are in stock

PRODEL FRONT PANEL	PRODEL FLUSH-MOUNTI BOX	N. of BTNS	N. of BTN ROWS	FRONT PANEL DIMENSIONS (mm)	FLUSH MOUNTING BOX DIMENSIONS (mm)	2 VOICE	COAX	5 WIRE
PT2121/103S	PT2721/503	3	1	130 X 410	110 X 344 X 55	YES	YES	YES
PT2121/104S	PT2721/504	4	1	130 X 438	110 X 372 X 55	YES	YES	YES
PT2121/105S	PT2721/505	5	1	130 X 466	110 X 400 X 55	YES	YES	YES
PT2121/106S	PT2721/506	6	1	130 X 494	110 X 428 X 55	YES	YES	YES
PT2121/204S	PT2721/604	4	2	206 X 392	186 X 316 X 55	YES	YES	YES
PT2121/206S	PT2721/606	6	2	206 X 392	186 X 316 X 55	YES	YES	YES
PT2121/208S	PT2721/608	8	2	206 X 420	186 X 344 X 55	YES	YES	YES
PT2121/210S	PT2721/610	10	2	206 X 448	186 X 372 X 55	YES	YES	YES
PT2121/212S	PT2721/612	12	2	206 X 476	186 X 400 X 55	YES	YES	YES
PT2121/214S	PT2721/614	14	2	206 X 504	186 X 428 X 55	YES	YES	YES
PT2121/216S	PT2721/616	16	2	206 X 532	186 X 456 X 55	YES	YES	YES
PT2121/218S	PT2721/618	18	2	206 X 560	186 X 484 X 55	YES	YES	YES
PT2121/220S	PT2721/620	20	2	206 X 588	186 X 512 X 55	YES	YES	YES

L: polished S: satin-finish

Please add to the PT code the letter equivalent to the selected coloration "A": steel colour, "B": copper bronze colour, "F": gun metal colour, "O": gold colour

FRAME	
1143/60	Spacer frame for mod. 1145 flush-mounting box For use in combination with mod. 1145 flush-mounting box with brass-plated panels series



PT2721/104



PT2721/204



PT2721/212



PT2721/220

www.prodeItorino.it

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# SINthesi





#### MAIN FEATURES

- > VANDAL RESISTANT STEEL BODY, WITH FLUSH BUTTONS
- > COMPATIBLE WITH SINTHESI
  AND K-STEEL FLUSH-MOUNTING BOXES
- > WIDE-ANGLE CAMERA 120°
- > WHITE BACK-LIGHTING
  AND CUSTOMIZABLE NAME TAG COLOURS
- > MECHANICAL IMPACT RESISTANCE DEGREE: IK09
- > COMPATIBLE WITH ANALOGUE SINTHESI OUTDOOR STATIONS
- > PRE-WIRED MODULES
- > IP45 PROTECTION DEGREE (INGRESS OF SOLID OBJECTS AND WATER)



Door-opener module 1158/45



Module for the hearing impaired 1158/48

#### **COMPATIBLE WITH**









1 +N

102 Urmet





TELEPHONY



## SMARTER, STRONGER, MORE BEAUTIFUL

#### Beautiful and compact: instantly attractive

Sinthesi Steel is beautiful, refined and features a sober, unique design: it is the ideal entry panel to create a contemporary style welcome for guests. Its flush design and the absence of interstices between each element lend Sinthesi Steel a compact and elegant look.

### Modular and versatile: suitable for all types of buildings

Sinthesi Steel is compatible with Sinthesi and K-Steel metal flush-mounting boxes and uses the same analogue outdoor stations as Sinthesi. Modules can be combined at will. The panel has snap-on assembly, the only screws are located on the outer frame.

### Accessible and interactive: designed for easy use by people with disabilities

igoplus

Thanks to speech synthesis modules, LED indicator module and interface modules for induction loop antenna for hearing-aid users, disabled persons, the sight-challenged and the hearing impaired can use the system normally. Proximity and access control modules provide keyless entry functionality for entrance gates and doors.

### Sturdy and safe: it fears nothing and protects everyone

Sinthesi Steel's steel structure is impact-resistant (IK09 rating) and water jet resistant (IP45 class) and will withstand any weather conditions. The wide-angle camera unit has a 120° angle of view. Proximity sensor modules allow for quick access by authorised persons.



#### www.prodeltorino.it



#### PVD TREATMENT

Sinthesi Steel and the new kit base system are now available with the new PVD colour finishes. For more details please contact sales network.



#### SINTHESI STEEL

#### **EXAMPLE SETUP: BASE ELEMENTS**



Loudspeaking unit module (audio or video)



Loudspeaking



Button module



Flush-mounting



Frame



Trim

GENERAL CATALOGUE 2015/2016



# SINthesi

#### MODELS 1145 | 1745



1158/22



1158/14

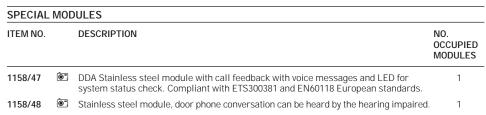
BUTTON MO	BUTTON MODULES AND MODULES PRE-ARRANGED WITH LOUDSPEAKING UNIT									
ITEM NO.	DESCRIPTION	NO. OF BTNS	2VOICE	COAX	5-WIRE	4+N	1+N			
1158/20	Mod. w/pre-arranged									
	with loud speaking unit	0	NO	YES	YES	YES	YES			
1158/21	Mod. w/provisions for OS	1	NO	YES	YES	YES	YES			
1158/22	Mod. w/provisions for OS	2	NO	YES	NO	YES	NO			
1158/11	Button mod.	1	YES	YES	YES	YES	YES			
1158/12	Button mod.	2	YES	YES	YES	YES	YES			
1158/13	Button mod.	3	YES	YES	YES	YES	YES			
1158/14 📵	Button mod.	4	YES	YES	YES	YES	YES			
1158/50	Building number mod.	~	YES	YES	YES	YES	YES			
1158/59	Blank mod.	~	YES	YES	YES	YES	YES			

Module dimensions (W x H) 90 x 90 mm

Name tag dimensions (W  $\times$  H) 67 x 12.5 mm, except for module with 2 button rows – sized (W  $\times$  H) 40 x 12.5 mm and building number module 1148/50



1158/47



Module dimensions (W x H) 90 x 90 mm



1158/48



1158/45

DOOR-OPENER MODULE						
ITEM NO.		DESCRIPTION	NO. OCCUPIED MODULES	NOTE		
1158/45	<b>®</b> "	door-opener module for proximity keys	1	Compatible with all systems. Manages up to 500 keys; expandable up to 2000 keys when additional memory 1102/52 is installed. Power supply 12 Vac		
1158/46		door-opener module with control panel	1	Compatible with all systems. Stores up to 8 access codes and opens 2 electric locks independently. Monostable and bistable operation. Power supply 12 Vac		

Module dimensions (W x H) 90 x 90 mm

DOOR-OPENER MODULE ACCESSORIES				
1102/52	Additional memory for 1158/45 proximity key module			
1125/50	Kit with 10 keys for 1158/45 proximity module			





URMET

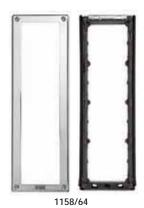


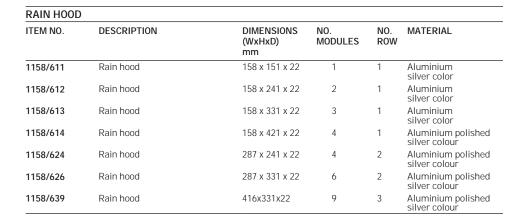


FLUSH-MOUNTING BOXES AND FRAMES								
ITEM NO.		DESCRIPTION	DIMENSIONS (WxHxD) mm	NO. MODULES	MATERIAL			
1145/51		Flush-mounting box	118 x 114 x 45	1	Plastic			
1145/52		Flush-mounting box	118 x 204 x 45	2	Plastic			
1145/53		Flush-mounting box	118 x 294 x 45	3	Plastic			
1145/54		Flush-mounting box	118 x 384 x 45	4	Plastic			
1158/41		Flush-mounting box	125 x 119	1	Iron			
1158/42		Flush-mounting box	125 x 209	2	Iron			
1158/43		Flush-mounting box	125 x 299	3	Iron			
1158/44		Flush-mounting box	125 x 389	4	Iron			
1158/61		Frame with module holder	125 x 119	1	Steel			
1158/62	<b>•</b>	Frame with module holder	125 x 209	2	Steel			
1158/63		Frame with module holder	125 x 299	3	Steel			
1158/64	<b>•</b>	Frame with module holder	125 x 389	4	Steel			

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WALL MOU	NTING BOX WITHOUT FRAME					
ITEM NO.	DESCRIPTION	DIMENSIONS (WxHxD) mm	NO. MODULES	NO. ROW	MATERIAL	
1148/311	Wall mounting box with hood	157 x 151 x 59	1	1	Aluminium silver color	
1148/312	Wall mounting box with hood	157 x 241 x 59	2	1	Aluminium silver color	
1148/313	Wall mounting box with hood	157 x 331 x 59	3	1	Aluminium silver color	
1148/314	Wall mounting box with hood	157 x 421 x 59	4	1	Aluminium silver color	
1148/324	Wall mounting box with hood	286 x 241 x 59	4	2	Aluminium silver color	
1148/326	Wall mounting box with hood	286 x 331 x 59	6	2	Aluminium silver color	
1148/339	Wall mounting box with hood	416x331x59	9	3	Aluminium silver color	

ACCESSORIES							
1158/74	© Conversation privacy device Use one for every 4 users in 1+n audio and 5-wire video systems.						
1083/17	<b>16 user expansion module for digital systems</b> For use with loudspeaking units 1072/5 1038/62 1038/5 1038/7 1072/19A 1072/7 1082/72 1082/7 to expand the number of calling buttons.						



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# sinthesi





#### **MAIN FEATURES**

- > NEW DESIGN
- > ALUMINIUM IN POLISHED STEEL COLOUR
- > GREEN LED BACK-LIGHTING
- > NEW FUNCTIONS INCREASING SECURITY AND ACCESS TO PEOPLE WITH DISABILITIES
- > IP42 PROTECTION CLASS
- > RETROFITTING COMPATIBILITY WITH SINTHESI
- > CAMERA UNIT WITH COLOUR CAMERA

#### **COMPATIBLE WITH**



4 1 1 +N



Door-opener module 1148/45



Hearing-aid users module 1148/48





#### **QUALITY HAS NEW STANDARDS**

Sinthesi S2 is Urmet's new modular entry panel with a new design, improved-quality finishes and a revisited aesthetic impact featuring cleaner and more outstanding features. With Sinthesi S2, Urmet revamps the most

wellknown and appreciated entry panel on the market, improving its functionality and performance. The innovative and stylish finishing of this aluminium entry panel lends it a more refined look, while the colour camera units

and the new module range now offer a wider range of technical features to choose from. More beautiful, because finished aluminium lends it a slick and unique look, while the green backlighting is a bright and modern way to

greets visitors. Easier, thanks to its simplified wiring and the possibility to replace name tags and carry out audio and video adjustments even after the entry panel has been installed.

#### Design, functionality and ease of use



SINTHESI S2



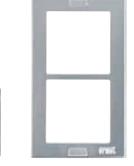


**EXAMPLE SETUP: BASE ELEMENTS** 









Flush-mounting

Wall Frame

Loudspeaking unit module (audio or video)

Loudspeaking unit

Button module Frame



107



# sinthesi

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#### MODELS 1148 | 1748



1148/21



1148/34



1148/14



1148/18



1148/50



BUTTON	BUTTON MODULES AND MODULES PRE-ARRANGED WITH LOUDSPEAKING UNIT												
ITEM NO.		DESCRIPTION	NO. OF BTNS	N. of BTN ROWS	2VOICE	COAX	5WIRE	4+N	1+N				
1148/20		Mod. w/provisions for OS	0	-	NO	YES	YES	YES	YES				
1148/21	•	Mod. w/provisions for OS	1	1	NO	YES	YES	YES	YES				
1148/22		Mod. w/provisions for OS	2	1	NO	YES	NO	YES	NO				
1148/32		Mod. w/provisions for OS	2	2	NO	YES	YES	YES	YES				
1148/34	•	Mod. w/provisions for OS	4	2	NO	YES	NO	YES	NO				
1148/11		Button mod.	1	-	YES	YES	YES	YES	YES				
1148/12		Button mod.	2	-	YES	YES	YES	YES	YES				
1148/13		Button mod.	3	-	YES	YES	YES	YES	YES				
1148/14	•	Button mod.	4	-	YES	YES	YES	YES	YES				
1148/18	•	Button mod.	8	2	YES	YES	NO	YES	NO				
1148/50	•	Building number mod.	~	~	YES	YES	YES	YES	YES				
1148/59		Blank mod.	~	~	YES	YES	YES	YES	YES				

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1158/74 © Conversation privacy device Use one for every 4 users in 1+n audio and 5-wire video systems.					
1083/17	16 user expansion module for digital systems For use with loudspeaking units 1072/5 1038/62 1038/5 1038/7 1072/19A 1072/7 1082/72 1082/7 to expand the number of calling buttons.				

1158/74

108 **urmet** 

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ITEM NO.		DESCRIPTION	NO. OCCUPIED MODULES
1148/47	<b>®</b> *,	DDA Stainless steel module with call feedback with voice messages and LED for system status check. Compliant with ETS300381 and EN60118 European standards.	1
1148/48	<b>•</b>	Stainless steel module, door phone conversation can be heard by the hearing impaired.	1

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1148/47

Module dimensions (W x H) 90 x 90 mm



1148/48

ITEM NO.		DESCRIPTION	NO. OCCUPIED MODULES	NOTE
1148/45	<b>©</b>	door-opener module for proximity keys	1	Compatible with all systems. Manages up to 500 keys; expandable up to 2000 keys when additional memory 1102/52 is installed. Power supply 12 Vac
1148/46	<u></u>	door-opener module with control panel	1	Compatible with all systems. Stores up to 8 access codes and opens 2 electric locks independently. Monostable and bistable operation. Power supply 12 Vac



1148/45

DOOR-OPENER MODULE ACCESSORIES

1102/52 Additional memory for 1158/45 proximity key module
1125/50 Kit with 10 keys for 1158/45 proximity module



1148/46

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# sinthesi

**S**2









ITEM NO.		DESCRIPTION	DIMENSIONS (WxHxD) mm	NO. OF MODULES	MATERIAL	
1145/51		Flush-mounting box	118 x 114 x 45	1	Plastic	
1145/52		Flush-mounting box	118 x 204 x 45	2	Plastic	
1145/53		Flush-mounting box	118 x 294 x 45	3	Plastic	
1145/54		Flush-mounting box	118 x 384 x 45	4	Plastic	
1148/61		Frame with module holder	125 x 119	1	Aluminium	
1148/62	<b>®</b> ".	Frame with module holder	125 x 209	2	Aluminium	
1148/63		Frame with module holder	125 x 299	3	Aluminium	
1148/64	<b>®</b> ",	Frame with module holder	125 x 389	4	Aluminium	

RAIN HOOD							
ITEM NO.	DIMENSIONS (WxHxD) mm	NO. OF MODULES	NO. OF ROWS				
1158/611	158 x 151 x 22	1	1				
1158/612	158 x 241 x 22	2	1				
1158/613	158 x 331 x 22	3	1				
1158/614	158 x 421 x 22	4	1				
1158/624	287 x 241 x 22	4	2				
1158/626	287 x 331 x 22	6	2				
1158/639	416 x 331 x 22	6	3				

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WALL MC	DUNT	ING BOX WITH FRAME					
ITEM NO.		DESCRIPTION	DIMENSIONS (WxHxD) mm	NO. OF MODULES	NO. OF ROWS	MATERIALE	FRAME
1148/311		Wall mounting box with hood	157 x 151 x 59	1	1	Aluminium	1148/61
1148/312	•	Wall mounting box with hood	157 x 241 x 59	2	1	Aluminium	1148/62
1148/313		Wall mounting box with hood	157 x 331 x 59	3	1	Aluminium	1148/63
1148/314		Wall mounting box with hood	157 x 421 x 59	4	1	Aluminium	1148/64
1148/324		Wall mounting box with hood	286 x 241 x 59	4	2	Aluminium	x2 1148/62
1148/326		Wall mounting box with hood	286 x 331 x 59	6	2	Aluminium	x2 1148/63
1148/339		Wall mounting box with hood	416 x 331 x 59	9	3		
1145/342		Semi-flushed wall box with hood for 100 mm pole	98 x 215 x 60 outer part 87 x 198 x 16 flush-mounted part	2	1	Plastic	





TELEPHONY



#### SPARE FRONTS FOR MOD. 625

SPARE FRONT PANELS MOD. 625 new replacement parts that preserve traditional style Urmet now makes available the original spare front panels for entry panels mod. 625. From 1 to 4 rows, for traditional and two-channel systems. Spare bottom contacts and lighting LEDs for name tags are also available at request. Contact your Urmet sales person or visit www.prodeltorino.it.

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#### HIGH-EFFICIENCY LEDS

New LED lighting circuits: white light, each LED with electronic suppression, can be divided into separate sections, long life and low current draw. Also suitable for use as daytime contrast light. LED circuits can be connected directly to 12 V a.c. or d.c.

#### 625 COMPATIBILITY CHART

PRODEL MODEL	BUTTONS	ROWS	FRONT PANEL (WxH) mm	FLUSH- MOUNTING BOX DIMENSIONS (WxHxD) mm	FLUSH- MOUNTING BOX INCLUDED	2VOICE	1+N	4+N	RECOMMENDED LEDS
PT5121/101	1	1	108 x 234	95 x 220 x 55	NO	NO	NO	SI	1 x PT1555/05
PT5121/102	2	1	108 x 234	95 x 220 x 55	NO	NO	NO	SI	1 x PT1555/05
PT5121/105	5	1	130 x 332	113 x 316 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/106	6	1	130 x 360	113 x 344 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/108	8	1	130 x 416	113 x 400 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/204	4	2	206 x 248	190 x 232 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/206	6	2	206 x 248	190 x 232 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/208	8	2	206 x 304	190 x 288 x 55	NO	SI	SI	SI	1 x PT1555/05
PT5121/210	10	2	206 x 304	190 x 288 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/212	12	2	206 x 332	190 x 316 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/214	14	2	206 x 360	190 x 344 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/216	16	2	206 x 388	190 x 372 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/218	18	2	206 x 416	190 x 400 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/220	20	2	206 x 444	190 x 428 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/222	22	2	206 x 472	190 x 456 x 55	NO	SI	SI	SI	1 x PT1555/10 + 1 x PT1555/05
PT5121/224	24	2	206 x 500	190 x 484 x 55	NO	SI	SI	SI	1 x PT1555/10 + 1 x PT1555/05
PT5121/226	26	2	206 x 528	190 x 512 x 55	NO	SI	SI	SI	1 x PT1555/10 + 1 x PT1555/05
PT5121/315	15	3	307 x 304	290 x 288 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/321	21	3	307 x 360	290 x 344 x 55	NO	SI	SI	SI	1 x PT1555/10
PT5121/327	27	3	307 x 416	290 x 400 x 55	NO	SI	SI	SI	1 x PT1555/10 + 1 x PT1555/05
PT5121/333	33	3	307 x 472	290 x 456 x 55	NO	SI	SI	SI	2 x PT1555/10 + 1 x PT1555/05
PT5121/339	39	3	307 x 528	290 x 512 x 55	NO	SI	SI	SI	3 x PT1555/10
PT5121/430	30	4	380 x 332	360 x 316 x 55	NO	SI	SI	SI	2 x PT1555/10
PT5121/432	32	4	380 x 332	360 x 316 x 55	NO	SI	SI	SI	2 x PT1555/10
PT5121/436	36	4	380 x 360	360 x 344 x 55	NO	SI	SI	SI	2 x PT1555/10
PT5121/440	40	4	380 x 388	360 x 372 x 55	NO	SI	SI	SI	2 x PT1555/10
PT5121/444	44	4	380 x 416	360 x 400 x 55	NO	SI	SI	SI	2 x PT1555/10 + 1 x PT1555/05
PT5121/448	48	4	380 x 444	360 x 428 x 55	NO	SI	SI	SI	3 x PT1555/10
PT5121/452	52	4	380 x 472	360 x 456 x 55	NO	SI	SI	SI	3 x PT1555/10
PT5121/456	56	4	380 x 500	360 x 484 x 55	NO	SI	SI	SI	3 x PT1555/10 + 1 x PT1555/05





**i**8



#### MAIN FEATURES

- > FLUSH ENTRY PANEL FOR FLUSH MOUNT / SURFACE WALL MOUNT
- > ALUMINIUM FRONT PANEL
- > COMPACT SIZE
- > IP33

#### **COMPATIBLE WITH**











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Great ease of installation and excellent quality/price ratio make this entry panel very competitive.

It comes with drawn aluminium front panel with plastic headers, button holder frame with metal buttons and flush-mounting box.

The entry panel is arranged in blocks with one or two rows that can be set side by side to achieve 3, 4, 5 and 6-row setups. In addition, appropriate housings are available for surface wall mount in configurations with up to 24 buttons.





ITEM NUMBER		NO. OF BTNS	NO. OF BTN ROWS	FRONT PANEL DIMENSIONS (W x H) mm	FLUSH-MOUNTING BOX DIMENSIONS (W x H x D) mm	DIGIVOICE	COAX	5 - WIRES	4 N +	1 + N
925/101	<b>®</b> *.	1	1	113 x 240	102 x 225 x 43	NO	YES	NO	YES	NO
925/102		2	1	113 x 240	102 x 225 x 43	NO	YES	NO	YES	NO
925/103		3	1	113 x 288	102 x 273 x 43	NO	YES	NO	YES	NO
925/104		4	1	113 x 288	102 x 273 x 43	NO	YES	NO	YES	NO
925/105		5	1	113 x 312	102 x 297 x 43	YES	YES	YES	YES	YES
925/106	<b>•</b>	6	1	113 x 336	102 x 321 x 43	YES	YES	YES	YES	YES
925/107		7	1	113 x 360	102 x 345 x 43	YES	YES	YES	YES	YES
925/108		8	1	113 x 384	102 x 369 x 43	YES	YES	YES	YES	YES
925/204		4	2	205 x 192	194 x 177 x 43	YES	YES	YES	YES	YES
925/206		6	2	205 x 216	194 x 202 x 43	YES	YES	YES	YES	YES
925/208		8	2	205 x 240	194 x 225 x 43	YES	YES	YES	YES	YES
925/210		10	2	205 x 264	194 x 249 x 43	YES	YES	YES	YES	YES
925/212	<b>•</b>	12	2	205 x 288	194 x 273 x 43	YES	YES	YES	YES	YES
925/214		14	2	205 x 312	194 x 297 x 43	YES	YES	YES	YES	YES
925/216		16	2	205 x 336	194 x 321 x 43	YES	YES	YES	YES	YES
925/218		18	2	205 x 360	194 x 345 x 43	YES	YES	YES	YES	YES
925/220	<b>®</b> ".	20	2	205 x 384	194 x 369 x 43	YES	YES	YES	YES	YES
925/222		22	2	205 x 408	194 x 393 x 43	YES	YES	YES	YES	YES
925/224		24	2	205 x 432	194 x 417 x 43	YES	YES	YES	YES	YES
925/228		28	2	205 x 480	194 x 465 x 43	YES	YES	YES	YES	YES

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Name tag dimensions (H x W x D) 14.5 x 54.5 x 2 mm





925/106



925/212

FRONT PAN	FRONT PANELS WITH BUTTONS ONLY								
ITEM NUMBER	NO. OF BTNS	NO. OF BTN ROWS	FRONT PANEL DIMENSIONS (W x H) mm	FLUSH-MOUNTING BOX DIMENSIONS (W x H x D) mm	DIGIVOICE	COAX	5 - WIRES	4 + N	1 N +
925/020	20	2	205 x 288	194 x 273 x 43	YES	YES	YES	YES	YES
925/022	22	2	205 x 312	194 x 297 x 43	YES	YES	YES	YES	YES
925/024	24	2	205 x 336	194 x 321 x 43	YES	YES	YES	YES	YES
925/026	26	2	205 x 360	194 x 345 x 43	YES	YES	YES	YES	YES
925/028	28	2	205 x 384	194 x 369 x 43	YES	YES	YES	YES	YES
925/030	30	2	205 x 408	194 x 393 x 43	YES	YES	YES	YES	YES

Name tag dimensions (H x W x D) 14.5 x 54.5 x 2 mm



925/220

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#### **ITEM NO 925**



925/611



925/612

FRONT PANELS FOR CAMERA/CAMERA					
925/611		Front panel on single row for camera 725/600 With flush-mounting box. Dimensions 113 $\times$ 120 mm; flush-mounting box dimensions (W $\times$ H $\times$ D) 102 $\times$ 102 $\times$ 53 mm			
925/612	<b>©</b>	Front panel on 2 rows for camera 725/600 With flush-mounting box. Dimensions 205 x 120 mm; flush-mounting box dimensions (W x H x D) 194 x 102 x 53 mm			

ACCESSOR	IES
1035/25	Conversation secrecy device One device required every 4 users in 1+n audio and 5-wire video systems.
1742/13A	Camera unit adapter Adapts camera with video signal over coaxial cable in differential video systems.
1083/17	<b>16-user expansion module for digital systems</b> For use with 2Voice outdoor stations to add more call buttons.







TELEPHONY



SURFAC	SURFACE WALL MOUNTED HOUSING COMPLETE WITH TRIM						
ITEM NO.		DESCRIPTION	DIMENSIONS (WxHxD) mm	COMPATIBLE FRONT PANELS	NO. OF ROWS	MATERIAL	
725/710		Surface wall mount housing with hood	120 x 245 x 50 Depth including hood:102 mm	725/101-102	1	Aluminium	
725/711	•	Surface wall mount housing with hood	120 x 245 x 50 Depth including hood: 102 mm Max height 389 mm	725/103 104-105-106 107-108	1	Aluminium	
725/721		Surface wall mount housing with hood	212 x 197 x 50 Depth including hood: 102 mm Max height 269 mm	725/204 206-208-210	2	Aluminium	
725/722		Surface wall mount housing with hood	212 x 197 x 50 Depth including hood: 102 mm Max height 269 mm	725/212 214-216-218-220 222-224-226-228 725/020 022-024-026-028 030-032-034-036	2	Aluminium	

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RAIN HOOD	S				
ITEM NO.	DESCRIPTION	COMPATIBLE FRONT PANELS	NO. OF ROWS	MATERIAL	NOTES
725/701	Rain hood	725/601	1	Aluminium	For use only in combination with video front panels
725/702	Surface wall mount housing with hood	725/602	2	Aluminium	For use only in combination with video front panels.

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# mikra/mikra AUDIO





- > ZAMAK ALLOY
- > IP44 PROTECTION DEGREE
- > INTEGRATED OUTDOOR STATION: VIDEO
- > PRESET FOR 2-CALL MANAGEMENT
- > SURFACE WALL MOUNT (FLUSH MOUNT POSSIBLE WITH KIT 1122/60)
- > WHITE LED BACK-LIGHTING
- > DIMENSIONS (HxWxD): 185 X 99 X 20 mm
- > MECHANICAL IMPACT RESISTANCE DEGREE: IK07

#### Sturdiness in micro dimensions – Mikra

Urmet's new compact entry panel: rounded contour, sturdy structure. Mikra is the new video entry panel for one-family and two-family applications made from satinfinished Zamak alloy, which lends it great sturdiness and weathering resistance. Mikra is designed for surface wall mount, wall installation to 10 cm wide plate and flush wall mount when a flush-mounting box with trim is used.

#### MAIN FEATURES

- > IP44 PROTECTION DEGREE
- > PRESET FOR 2-CALL MANAGEMENT
- > SURFACE WALL MOUNTED (POSSIBILITY OF FLUSH-MOUNTED INSTALLATION WITH 1122/50 KIT)
- > WHITE LED BACK-LIGHTING

#### **COMPATIBLE WITH**

2 WIRES 4 +N

#### Simple and sophisticated

Mikra Audio is door phone entry panel featuring the Mikra design for single-family and two-family applications.

Installation can be adapted to specific site requirements: surface wall mount, semi-flush

or, thanks to its compact size, on 10-cm wide plate. Its refined design is characterised by rounded, smooth shapes and is designed to appeal to every user's taste. Mikra audio also offers back-lighting colour customization.









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#### MAIN FEATURES

- > IP44 PROTECTION DEGREE
- > INTEGRATED OUTDOOR STATION: COLOUR VIDEO
- > PRESET FOR 2-CALL MANAGEMENT
- > WHITE LED BACK-LIGHTING WITH CUSTOMIZATION OPTIONS

#### **COMPATIBLE WITH**



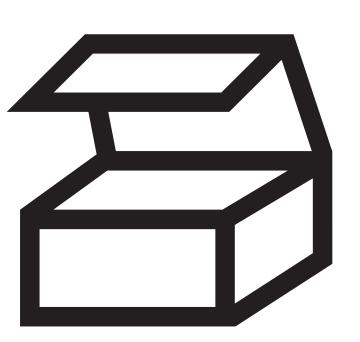


#### Sophisticated design

The Mikra Exigo door phone video push-button panel exudes elegance and quality in every detail. The outer plate uses top-quality material: brass and steel with polished

and satin finishes, steelchrome, gun-metal grey, copper bronze or micaceous iron colour finishes. Mikra Exigo enables users to express their personal, unique taste in style. Mikra Exigo is available in the single-family and two-family configuration. All models come with PVD anti-corrosion and anti-oxidation treatments. Installation requires flushmounting boxes 1145/52.





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#### SINGLE/TWO-FAMILY HOUSE KITS AND BASE SYSTEM KITS

SINGLE/TWO-FAMILY 2VOICE KITS SINGLE/TWO-FAMILY 2 WIRE KITS SINGLE/TWO-FAMILY 4+N KITS

**2VOICE BASE SYSTEM KITS**ANALOGUE BASE SYSTEM KITS

# COMMUNICATION

119

TELEPHONY



GENERAL CATALOGUE 2015/2016

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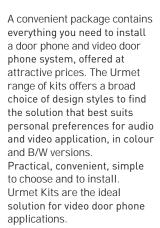
## EVERYTHING YOU NEED IN ONE BOX





SOLUTIONS FOR ALL INSTALLATION: SINGLE/TWO-FAMILY BASE SYSTEM

Urmet Kits make life easier. One box contains all the items needed for the installation of a specific system.





120





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#### SINGLE/TWO-FAMILY HOUSE KITS

Whether audio or video, the solution comes in one box P. 122



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MIKRA & MIKRA AUDIO

SMYLE



AIKO





SIGNO

SIMPLY

MIRO **AUDIO** 

**UTOPIA** DOOR PHONE

#### SINTHESI SYSTEM BASE KIT (2VOICE)

Everything you need for a system base in one package P. 137











SINTHESI S2

SINTHESI STHEEL

AIKO

MIRO

MIRO AUDIO

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#### SINGLE/TWO-FAMILY KITS



Practical and low-priced, Urmet house kits conveniently offer a single solution with all items necessary to meet the needs of single and two-family houses. A range that offers a broad variety of design styles, new solutions with advanced performance for communication and security applications, such as second lock management, video surveillance, image memory, presence indication.





#### **COMPATIBLE DESIGN STYLES**

#### MAIN FEATURES

- > AUDIO AND VIDEO SOLUTIONS
- > BROAD CHOICE OF DESIGN STYLES
- > NEW SOLUTIONS WITH ADVANCED FUNCTIONALITY

#### **AVAILABLE TECHNOLOGIES**





4







SIMPLY



UTOPIA DOOR PHONE



MIRO AUDIO



MIKRA EXIGO



MIKRA



SMYLE



MIKRA AUDIO

122 Urmet





# mıkra

**i**11





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Mechanical impact resistance degree: IK07

#### MAIN FEATURES

- > ZAMAK ALLOY
- > IP44 PROTECTION DEGREE
- > INTEGRATED OUTDOOR STATION: VIDEO
- > PRESET FOR 2-CALL MANAGEMENT
- > SURFACE WALL MOUNT (FLUSH MOUNT POSSIBLE WITH KIT 1122/60)
- > WHITE LED BACK-LIGHTING
- > DIMENSIONS (HxWxD): 185 X 99 X 20 mm
- > MECHANICAL IMPACT RESISTANCE DEGREE: IK07

Sturdiness in micro

Urmet's new compact entry panel: rounded contour, sturdy structure. Mikra is

the new video entry panel for one-family and two-family applications made from satinfinished Zamak alloy, which lends it great sturdiness and weathering resistance. Mikra

is designed for surface wall mount, wall installation to 10 cm wide plate and flush wall mount when a flush-mounting box with trim is used.

dimensions - Mikra



# mikra Exigo

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#### MAIN FEATURES

- > IP44 PROTECTION DEGREE
- > INTEGRATED OUTDOOR STATION: COLOUR VIDEO
- > PRESET FOR 2-CALL MANAGEMENT
- > WHITE LED BACK-LIGHTING WITH CUSTOMISATION OPTIONS

#### Sophisticated design

The Mikra Exigo door phone video push-button panel exudes elegance and quality in every detail. The outer plate uses top-quality material: brass and steel with polished

and satin finishes, steelchrome, gun-metal grey, copper bronze or iron-mica colour finishes.

Mikra Exigo enables users to express their personal, unique taste in style. Mikra Exigo is available in the single-family

and two-family configuration. All models come with PVD anti-corrosion and antioxidisation treatments. Installation requires flushmounting boxes 1145/52.



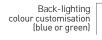


# mikra Audio

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#### MAIN FEATURES

- > IP44 PROTECTION DEGREE
- > PRESET FOR 2-CALL MANAGEMENT
- > SURFACE WALL MOUNTED (POSSIBILITY OF FLUSH-MOUNTED INSTALLATION WITH 1122/50 KIT)
- > WHITE LED BACK-LIGHTING

#### Simple and sophisticated

Mikra Audio is door phone entry panel featuring the Mikra design for single-family and two-family applications. Installation can be adapted to specific site requirements: surface wall mount, semi-flush or, thanks to its compact size, on 10-cm wide plate. Its refined design is characterised by rounded, smooth shapes and is designed to appeal to every user's taste. Mikra audio also offers backlighting colour customisation.



#### SINGLE/TWO-FAMILY KIT: AIKO+MIKRA





AIK0





#### 2VOICE KIT: SINGLE/TWO-FAMILY

1783/651 1783/651L 1783/651S 1783/661 new



One/two-family kit with AIKO monitor and MIKRA entry panel 2voice kit with AIKO and MIKRA polished brass front panel 2voice kit with AIKO and MIKRA satin-finished brass front panel One/Two family kit with colour MIRO monitoe and MIKRA entry panel





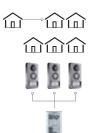
#### **2VOICE ACCESSORY KITS**

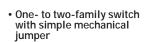
1783/1 Mikra for 2Voice with colour camera 1783/1L Mikra Exigo polished brass entry panel Mikra Exigo satin-finished brass entry panel 1783/1S 1083/75 Outdoor station interface 1783/69 CCTV Interface, 4 cameras, Bus connection 1083/55 User distributor 1122/60 Flush-mounting box with frame for Mikra entry panel 1750/50 In-Out connection Adapter for Miro video door phone

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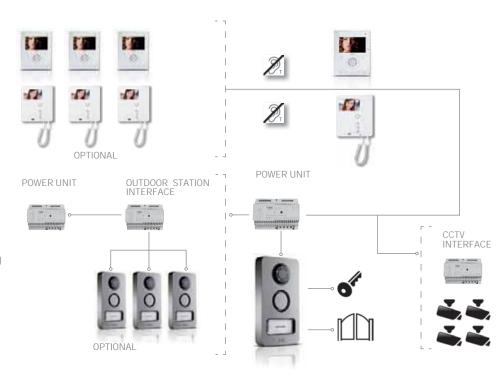


🛕 Color





- Ideal for connecting detached house systems to a single shared entrance (residential complex)
- 2Voice technology
- · Second lock control without additional devices





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## SINGLE-FAMILY KIT: AIKO+MIKRA

### note

1722/71 KIT CHOOSE THE VERY BEST!



#### MAIN FEATURES

- > 2-WIRE SINGLE-FAMILY KIT WITH ADVANCED SOLUTIONS, FOR SECURITY AND COMMUNICATION
- > ENTRY PANEL WITH WIDE-ANGLE COLOUR CAMERA: 120°
- > MONITOR IN AIKO DESIGN STYLE PRESET FOR INDUCTION LOOP COMPATIBILITY FOR HEARING AIDS SWITCHED TO THE "T" POSITION

(ACCORDING TO ETS300381 AND EN60118 STANDARDS)

- > IMAGE MEMORY RECORDS UP 32 SHORT VIDEO CLIPS
- > PEDESTRIAN PASSAGEWAY OPENING WITH PROXIMITY CONTROL KEYS
- > SUPPORTS RECORDING OF ONE MESSAGE FOR DOOR PHONE ANSWERING MACHINE









**New: greater security** up to 4 surveillance cameras to ensure full security even in remote areas.





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#### **SINGLE-FAMILY KIT: FUNCTIONS**

#### Image storage function

The Aiko video door phone features a memory that can hold up to 32 video clips of 10 seconds each, recording both

audio and video messages. This function turns this monitor into a true answering machine. A green LED flashes to indicate that automatically recorded messages have not

been viewed yet. Simple controls and an intuitive icon system guide user through the recording and message management procedures.













"THIS IS THE PHARMACEUTICAL SALES REPRESENTATIVE, I'LL DROP BY ON MONDAY DURING YOUR OFFICE HOURS"

Case 1 > User can record an audio message that the guest will hear after ringing

the message, the video door phone goes into recording mode and the guest may record an audio message,

so the host always knows which guests he missed.

the bell. When finished playing







"I JUST DROPPED BY TO SAY HELLO..."

Case 2 > User can set the video door phone so that the entry panel automatically

records a video clip and any audio messages 4 seconds after the guest call.

urmet

128



TELEPHONY



## note

#### Greater usability

- > Driveway gate independent opening.
- > Mikra entry panel with wideangle colour camera: when installed 160 cm from the ground, the camera will frame persons standing up or sitting in a wheelchair; horizontal viewing angle is 120° It will also frame subjects hidden at the sides.
- > Aiko monitor with integrated induction loop compatibility for hearing aids switched to the "T" position.





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#### **Greater security**

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- > Possibility to integrate video surveillance system for increased security in particularly isolated buildings.
- > A magnetic key is used instead of a mechanical key, to open entrances more rapidly.
- > The kit can be integrated with intrusion alarm systems, with the indoor monitor being used as a control terminal.





"I'M PICKING UP THE KIDS, THEY ARE DUE TO ARRIVE AT 8:00!"

#### Better communication

- > Internal audio message recording: before leaving the house, users can record a message for another family member; a red LED indicates the presence of a message.
- > Outdoor video answering machine: the monitor can store up to 32 video messages of 10 seconds each; this function turns this video door phone into a true answering machine.

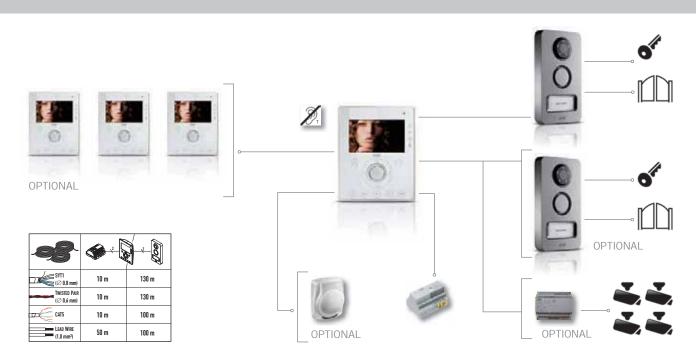




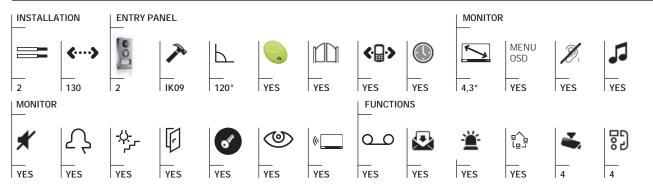


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#### **SINGLE-FAMILY KIT: FUNCTIONS**



#### **FUNCTION TABLE**



#### KEY

Wiring: no. of cables connecting main monitor to entry panel (including electric lock)

Maximum distance between entry panel and monitor (m)

Maximum no. of entry panels Vandal resistant entry panel (IK07)

Wide-angle colour camera

Access control function

Second gate opening

◆□→ Call feedback

MENU OSD menu

Electric lock timer

Display dimensions

Compliant with ETS 300381

and EN 60118 standards Different call tones

Additional chime

Staircase lights

Auto-on function

Door opening signal

Automatic door opening

Operating mode: push-to-talk or full duplex O\_O Video message recording

Voice message recording

Integrated anti-intrusion system

Intercom

Surveillance camera integration

Maximum no. of parallel connected monitors





TELEPHONY



# SINGLE-FAMILY KIT: AIKO+MIKRA

KIT NOTE	
1722/71 🖲	One-family colour video door phone kit with Mikra entry panel and Aiko monitor and Integrated image storage function.
1722/71SA	Kit with Aiko and Mikra satin-finished linear front panel.
1722/71VM	▲ Kit with Aiko and Mikra iron-mica linear front panel.

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AIKO

MIKRA

#### ACCESSORIES KIT

ACCESSORIES	KII
1722/62	▲ AIKO monitor - slave for kits 1722/71 - 1722/71SA - 1722/71VM
1122/60	Flush-mounting box with frame for Mikra kit entry panel
1722/11	▲ Secondary entry panel kit for 1722/71
1722/11SA	▲ Secondary entry panel kit for 1722/71SA
1722/11VM	▲ Secondary entry panel kit for 1722/71VM
1083/69	CCTV interface kit for 1722/71- 1722/71SA - 1722/71VM

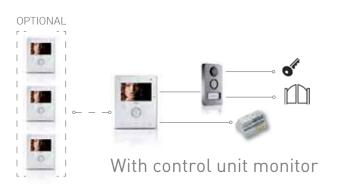


## 2-WIRE KITS 1722/81: WIRING TYPE SELECTION

#### Features:

- video auto-on function
- non-polarized 2-wire
- up to 4 monitors in parallel
- second gate command available

	***	
SYT1 (∅ 0,8 mm)	10 m	130 m
TWISTED PAIR (Ø 0,6 mm)	10 m	130 m
CAT5	10 m	100 m
LEAD WIRE	50 m	100 m













1722/81 **®**\*, One-family colour video door phone kit with Mikra entry panel and Aiko monitor.

2-WIRE ACCESSORY KITS

1722/82 AIKO slave monitor for 1722/81 kit

1122/60 Flush-mounting box with frame for Mikra kit entry panel, for 1722/81 only

#### 2-WIRE SINGLE-FAMILY KIT: SIMPLY+MIKRA

#### Features:

- Video auto-on function
- Electronic call
- colour camera pushbutton panel
- Volume adjustment with Mute and visual warning
- In/out audio channel volume adjustment
- Contrast and brightness adjustment
- Supplementary button for secondary electric lock/staircase light
- Max 2 parallel connected video door phones
- Timed electric lock opening (300ms - 3 - 6s)





MIKRA

KIT

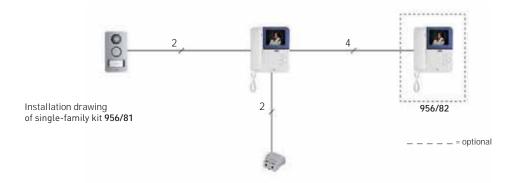
956/81 new

Single-family kit with Simply colour monitor and Zamak Mikra entry panel

#### **ACCESSORIES**

956/82 Simply slave video door phone











SERVICES

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#### **SINGLE/TWO-FAMILY KIT:** SIGNO+SMYLE

#### SINGLE/TWO-FAMILY 5WIRE KIT

 $REQUIREMENT: turning \ a \ door \ phone \ system \ into \ a \ video$ door phone system with 1 or 2 video inputs.

#### RECOMMENDED KITS

956/71 956/72

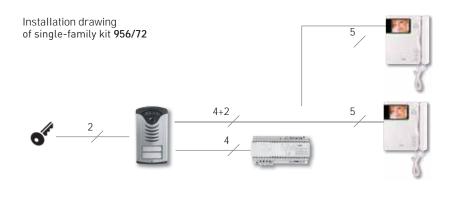


One-family 5-wire color kit with Signo video door phone and Smyle entry panel Two-family 5-wire color system with Signo video door phone and Smyle entry panel



#### Features:

- 4 parallel connected video door phones with added supplemental devices
- Video auto-on at outdoor video station
- Possibility of managing up to 2 video inputs with the addition of relay box 788/51, entry panel 1729/1 (single-family) or 1729/2 (two-family) and outdoor video station 956/123
- Max distance 200 m







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#### **SINGLE-FAMILY KIT: UTOPIA+MIKRA**



UTOPIA

MIKRA

#### INTEGRAL 2-WIRE AUDIO KIT

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REQUIREMENT: turning a bell system into a door phone system with voice call service and door opening.

#### RECOMMENDED KITS

1122/31	<b>®</b>	One-family 2-wire kit with Utopia door phone and Mikra entry panel
1122/61	•	One-family 2-wire kit with Utopia hands-free door phone and Mikra entry panel
1122/39		One- family 2-wire kit, as ref 1122/31 but for 60Hz systems

#### Features:

- Can open a second gate without adding any wires
- Selectable ring tones
- Selectable preferred conversation mode: hands free or button pressed (1122/61 kit only)
- Full-duplex audio
- Up to 5 door phones in parallel (5 wires)
- Call volume adjustment with Mute mode
- Max distance 110 m
- Power supply 12 Vac

#### **BEFORE**



#### **AFTER**

Installation drawings of kit 1122/31 (option) automatic gate



Installation drawings of kit 1122/61 single-family door phone



#### INTEGRAL 2-WIRE AUDIO ACCESSORY KITS

1129/52 Additional door phone for 2-wire audio kit 1122/31 9854/41 additional chime for electronic call

For accessories for apartment stations, please refer to the dedicated section.





TELEPHONY



# SINGLE/TWO-FAMILY KIT: MIRO+MIKRA

#### 4+N-WIRE AUDIO KIT

REQUIREMENT: installing an audio system with 1 or 2 inputs for single or two-family house systems.

# 360 0

MIRO AUDIO



MIKRA

#### RECOMMENDED KITS

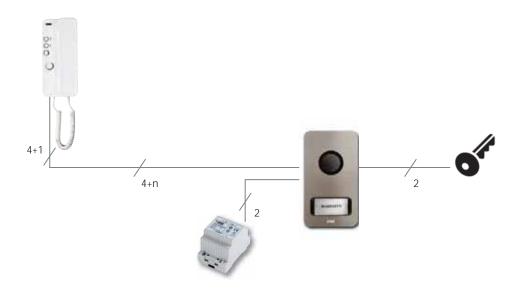
1122/601

One-family 4+n-wire kit with Miro door phone and Mikra entry panel

#### Features:

- Preset to manage second call from entry panel
- Possibility of adding 2 supplementary buttons to each door phone for a total of 3 for operating secondary services
- Possibility of managing up to 2 audio inputs with the addition of relay box 788/51, entry panel 1122/1 (single-family)
- Up to 2 door phones in parallel
- Max distance 300 m
- Power supply 12 Vac

installation drawings of kit **1122/601** (v1) single-family door phone





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#### SYSTEM BASE KIT

Available with synthesis entry panel, Urmet's expandable single and two-family kits create a system capable of growing along with building needs, by the simple addition of button modules.

All door phones and video door phones in the expandable kit series come with supplemental buttons to offer improved flexibility in terms of functions and operation. Urmet presents its offering

describing the ideal application for each kit: each package represents a solution that offers the advantages and convenience of ready-toinstall base components.

**BROAD CHOICE** OF DESIGN STYLES AND EMPHASIS ON DESIGN - AIKO, SIGNO AND ARCO



#### MAIN FEATURES

- > ALL BASE SYSTEM COMPONENTS COME IN ONE PACKAGE
- > BROAD CHOICE OF DESIGN STYLES
- > NEW 2VOICE KIT SERIES

#### **AVAILABLE TECHNOLOGIES**







#### **COMPATIBLE DESIGN STYLES**



SINTHESI S2









#### SINTHESI STEEL

The keypad is available in various finishings: anthracite, gun metal grey, copper bronze e brassed by  $\mbox{\bf Prodel}.$  For further information and customization: info@prodeItorino.it



AIKO



HANS-FREE **MIRO** 



MIRO



SIGNO



NEXO



MIRO DOOR PHONE



TELEPHONY



## BASE SYSTEM KIT: 2VOICE

The kits with Synthesis entry panel can be used to build systems in single and two-family houses both as a system base for apartment buildings or for residential complexes. The kits can be expanded thanks to the modular entry panel that can be expanded with additional

One-family 2Voice colour kit with AIKO video door phone and SINTHESI S2 entry panel

Two-family 2Voice colour kit with AIKO video door phone and SINTHESI S2 entry panel

Single-family 2Voice colour kit with MIRO video door phone and SINTHESI S2 entry panel

Two-family 2Voice colour kit with MIRO video door phone and SINTHESI S2 entry panel

Two-family 2Voice colour kit with MIRO video door phone and SINTHESI STEELentry panel

One-family 2Voice colour kit. Same specification as Ref. 1783/321 but for 60 HZ systems

Two-family 2Voice colour kit. Same specification as Ref. 1783/322 but for 60 HZ systems

One-family 2Voice colour kit. Same specification as Ref. 1783/431 but for 60 HZ systems

Two-family 2Voice colour kit. Same specification as Ref. 1783/432 but for 60 HZ systems

modules, and because they use common devices found in Urmet systems such as 2Voice and the 5-wire video system.

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SINTHESI S2

AIKO





SINTHESI S2

MIRO



STEEL



1783/434 A

**2VOICE KIT** 

1783/431 🔺

1783/321 🔺

1783/322 🔺

1783/362 🔺

1783/323 🔺

1783/324 🔺

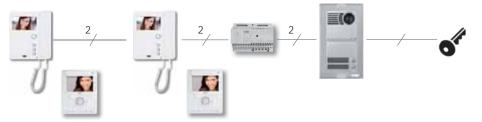
1783/433 🔺

1783/432

#### the kits includes:

- Miro or Aiko monitor -1083/20A power supply
- Sinthesi S2 2-module flushmounting box 1145/52
- Sinthesi S2 2-module frame
- 1148/62 or Sintehsi Steel 1158/62 (in single-family kits), singlemodule front panel 1748/107 for Sinthesi S2 and 1158/107 for Sinthesi Steel is also included
- Outdoor station with Sinthesi S2
- colour camera module 1083/77 or Sithesi Steel colour camera module 1083/62
- 4-user distributor 1083/55 (in two-family version)

#### Installation drawing of 2Voice two-family kit

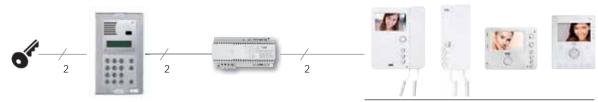


#### BASE SYSTEM KIT

1783/703 new One-family 2Voice kit with Sinthesi S2 digital panel

The kit includes:

- 1083/19 Sinthesi S2 digital call module with alphanumeri keypad
- 1083/20A 2Voice power supply



Choose your door phone or video door phone: Miro or Aiko

NOTE: for video system is necessary the 1748/40 camera module



#### **SYSTEM BASE KIT:** COAX + 5-WIRE





SINTHESI S2

789/5B

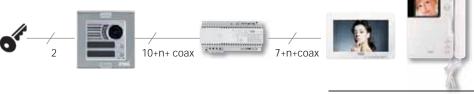
COAX KIT



1748/770 new 🛦 🔊 Two-family colour coax kit with video door phone (supplied separately) selected by customer and Sinthesi S2 entry panel

- 1748/92 Sintehsi S2 colour camera module with loudspeaking unit and 2 buttons. For coax systems
- 1145/51 One-module flush mounting box
- 1148/61 One-module Sinthesi S2 frame
- 789/5B Video power supply
- 1748/101 Sinthesi S2 one-module front panel with 1 button

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Installation drawing video kit for coaxial system

Choose your video door phone:





789/5B

SINTHESI S2

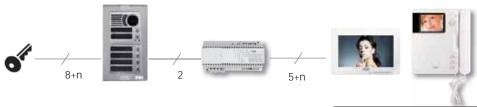
#### 5-WIRE KITS



1748/795 new 🛦 🗑 One-family 5wire colour kit with video door phone (supplied separately) selected by customer and Sinthesi S2 entry panel

#### The kits include:

- 1748/22 Sinthesi S2 colour camera module with loudspeaking unit and 2 button on two module. For 5Wire system
- 1145/52 2-module flush mounting box
- 1148/62 Sinthesi S2 frame for 2-module
- 789/5B Video power supply
- 1748/107 Sinthesi S2 one-module front panel with 1 button



Installation drawing video kit without coaxial cable

Choose your video door phone: Nexo o Signo







# BASE SYSTEM KIT: AUDIO

#### 2VOICE

1183/502

Two-family kit with 2 MIRO door phones and SINTHESI S2 entry panel

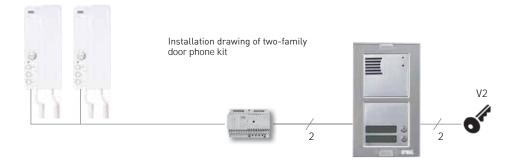
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The kits include:

- 1183/5 Miro door phone
- 1083/20A 2Voice power unit
- 1148/62 Sinthesi S2 frame
- 1145/52 Synthesis flush-mounting box
- 1083/9 2Voice 2-module audio outdoor station



MIRO AUDIO SINTHESI S2



#### 4+N AUDIO KITS

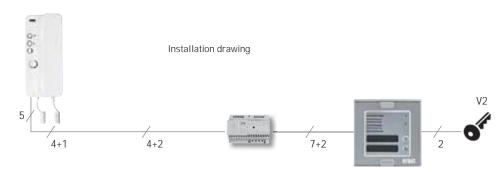
1150/301 One-family 4+n-wire kit with MIRO door phone and SINTHESI S2 entry panel 1150/302 Two-family 4+n-wire kit with MIRO door phone and SINTHESI S2 entry panel

The kits include:

- 1150/1 Miro door phone
- 786/11 audio power unit
- 1148/61 Sinthesi S2 frame
- 1145/51 flush-mounting box
- 1145/500 outdoor station
- 1148/21 button module (for kit 1150/301) or 1148/22 (for kit 1150/302)



MIRO AUDIO SINTHESI S2

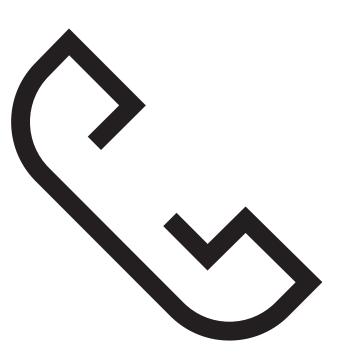


For system features/accessories, please refer to the dedicated section.

GENERAL CATALOGUE 2015/2016



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TELEPHONE INTERFACES SURGE PROTECTIONS, FILTERS AND SYSTEM ACCESSORIES

**(** 



# FROM TELEPHONY TO COMMUNICATION SOLUTIONS

Telephony evolves with its functions into a tool capable of meeting a growing number of needs.
Urmet's interfaces (GSM, VoIP) and telephone integration modules offer multiple advantages.

- Communication becomes more practical and versatile: the telephone is no longer used for calls only, but acts as a control device for door phone functions, including door opening. This is especially convenient in large homes or homes with a garden.
- Fully hands-free operation for the utmost flexibility: simple Sinthesi outdoor station modules with integrated telephone functions provide a door opener system with advanced functions (multiple access management, light/camera activation, day/night, remote call), connection to PABX exchanges with intercom function.
- Significant saving: Urmet's innovative GSM and VoIP interfaces support alternative, low-cost telephone networks.

• The new VoIP devices support communication over the Internet using a simple ADSL line.

TELEPHONY EVOLVES AND BECOMES MORE VERSATILE









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TELEPHONY



### **EXCHANGES** AND TELEPHONE **INTERFACES**



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### TELEPHONE INTERFACES

economy management Pag. 144

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### PROTECTIONS AND ACCESSORIES Pag. 148



### **TELEPHONE INTERFACES**













### A money saver

Telephone interfaces are devices which allow to connect telephone terminals to other equipments or communication networks. Specifically, we have door phone/telephone interfaces for door phone system

applications, "GSM/GPRS" interfaces for using the GSM network and "Telephone loudspeaking units" for integrating any telephone switchboard (PABX) with a "Sinthesi" loudspeaking unit. Each interface can offer various integration needs.

### MAIN FEATURES

- > COMMUNICATE ANYTIME, ANYWHERE
- > SAVE MONEY ON TELEPHONE CALLS
- > SIMPLE INSTALLATION
- > FLEXIBLE MANAGEMENT





### Door phone/telephone interfaces

This device is used to allow communication, also at the same time, with a dial line and a loudspeaking unit using a single telephone and allowing to open the door. With a cordless phone, you can take incoming calls from anywhere in your home, e.g. from the garden, the balcony or the loft.

Specifically, the new door phone interface 1332/40

offers various installation solutions: direct power from loudspeaking unit, management of two door units, door unit call confirmation tone, etc.

### 1332/40 Door phone/telephone interface

Interface device for telephone lines and door phone systems and replaces the 1332/30. One device connected to an analogue dial line and 4+n door phone system (this device must be connected to other dedicated interfaces). Allows to manage telephone and door phone calls to a single telephone terminal. Set up for connecting to two loudspeaking units and equipped with two relays for opening the door or for auxiliary services. Supplies power (+6Vdc) to a PE and different operating modes, programmable directly from the connected phone. Power: 12 Vac. Minimum consumption: 3/10VA. Installation: DIN bar. Dimensions: 108 (W) x 90 (H) x 55 (D) mm (6 DIN modules).



1332/40

### 1083/67 2Voice-PSTN interface and video

This device allows to connect an analogical telephone or a telephone interface or a PABX to a 2Voice system, to be able of using interphone services also through a telephone terminal. The video is supplied on a coax-type output for connection of compatible terminals.

This interface can be programmed in two modes: "internal place" or "call forwarding" as an aid to the 1083/40 gatekeeper lodge exchange.

- Power supply: 110/230Vac with power supply provided with kit
- Size: 10 DIN modules
- Size of Power Supply: 1.5 DIN modules





### **TELEPHONE INTERFACES**

### Telephone loudspeaking unit

This is a Sinthesi module device with a 1 or 2 button basic configuration and 4 expansion buttons. It may be used as a normal analogue extension connected to a PABX and may be directly connected

also to a GMS interface for monitoring remote accesses. The installation structure and the many available functions make it particular flexible and suited for applications in places hands-free conversation and reception is needed, e.g.: sterile rooms,

outside, safety environments, etc. Furthermore, a wide variety of applications are possible using two relays: management of two locks, one camera, a light or a bell.



1148/1



1148/2



1148/4



1148/6

1148/1

### Sinthesi S2 module 1 button with telephone loudspeaking unit

Basic module, 1 button with built-in loudspeaking unit. Capable of managing up to 64 buttons. Each calling button may be associated with up to 2 numbers (day/night) of 16 digits each, password protected programming, pulse or tone dial, auto-on, 2 independent actuator relays configurable for different applications, automatic power on with externally power name tag lights. Adjustable speaker and microphone volume. Degree of protection: IP42. Min power voltage/current: 18Vdc/18mA. Light power: 12Vdc/10-12Vac. Max. light current: 300mA. One Sinthesi module in size.

Supplied without flush-mounting box, frame or module holder case.

1148/2

### Sinthesi S2 module 2 buttons with telephone loudspeaking unit

Basic module, 2 buttons with built-in loudspeaking unit. Capable of managing up to 64 buttons. Each calling button may be associated with up to 2 numbers (day/night) of 16 digits each, password protected programming, pulse or tone dial, auto-on, 2 independent actuator relays configurable for different applications, automatic power on with externally power name tag lights. Adjustable speaker and microphone volume. Degree of protection: IP42. Min power voltage/current: 18Vdc/18mA. Light power: 12Vdc/10-12Vac.

- Max. light current: 300mA.
- One Sinthesi module in size.
- Supplied without flush-mounting box, frame or module holder case.

1148/4

### Expansion module 4 buttons with telephone loudspeaking unit

4 buttons module with basic module expansion 1148/1 or 1148/2 and integrated loudspeaking unit. Degree of protection: IP42. One Sinthesi S2 module in size. Supplied without flush-mounting box, frame or module holder case.

1148/6

### Expansion module 4 buttons with telephone loudspeaking unit

4 buttons module with basic module expansion 1145/1 or 1145/2 and integrated loudspeaking unit. Degree of protection: IP42. One Sinthesi module in size. Supplied without flush-mounting box, frame or module holder case.





URMET



INNOVATION
IS ALSO THE
POSSIBILITY OF
COMMUNICATING
MORE COSTEFFECTIVELY

### **GSM** interfaces

"Domus Cell" GSM connect an analogue or traditional analogue line of a PABX with the mobile GSM network, thus generating mobile-tomobile traffic (instead of land line-to-mobile) which allows to save on telephone costs by exploiting better fees.
The device is also useful as back-up emergency line.
"Domus Cell basic" can be used to communicate in ease using a table-top telephone also where no land line is available as long as an adequate GSM mobile network coverage is ensured.

lacktriangle

The "Basic" model is ready for managing voice communications.

A SIM card (3V and 1.8V) for mobile communication like the one used in a normal GSM telephone is required for operation.

### **GSM INTERFACE**

### 4203/11

4203/50

**•** 

DOMUS CELL BASIC 2 gsm interface

The device allows to route voice communications between analogue line (PABX or analog telephone), and GSM telephone network (900 and 1800). Features: selection by DTMF and pulse; Caller ID (CLI) with standard BT FSK, FSK BeII and DTMF; outgoing calls block; programmable by phone or by PC with ref. 4203/50 optional board. Dimensions (W x H x D): 94x64x29 mm (excluding antenna).

Weight: 105 grams (adapter not included).

Power: 230Vac with adapter.
Installation: wall mounted.

### USB interface for DOMUS CELL BASIC 2 4203/11

It allows to interface the device 4203/11 to the PC USB port, for a easiest configuration via software. The application software for Windows OS is supplied on CD (updated versions are available in the area of the site www.urmet.com)



4203/50

 $NOTE: External\ antenna\ with\ 5\ m\ cable\ UTD1067/014\ can\ be\ used\ for\ particularly\ critical\ installations.$ 

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### SURGE PROTECTIONS, FILTERS AND SYSTEM ACCESSORIES



1382/80



1332/85



1332/86



1382/81



1382/82



1382/80 Surge protection device for 230 Vac - 400 VA

power supply Replaces UTD1332/80. The device protects electric and electronic equipment

from current surges and interferences on the 230Vac power supply line.

Thanks to the certification pursuant to European regulation EN61643-11/A11, the device guarantees a high degree of protection, eliminates the "FOLLOW CURRENT" phenomenon and reduces the risk of service downtime.

The device can be reset via micro-switch and features a warning LED that turns on to indicate that the protection is active. Test class: 3 Max. load: 400VA Installation: DIN har (2 modules) or wall-mounted Dimensions (W x H x D): 36 x 103 x 57 mm

1382/85

Surge protection device for 230 Vac Replaces UTD1332/80. The device protects electric and electronic equipment from current surges and interferences on the 230Vac power supply line. Thanks to the certification pursuant to European regulation EN61643-11/A11, the device guarantees a high degree of protection, eliminates the "FOLLOW CURRENT" phenomenon and reduces the risk of service downtime. The device can be reset via micro-switch and features a warning LED that turns on to indicate that the protection is active. Test class: 3 Max. load: 400VA Installation: DIN bar (2 modules) or wall-mounted Dimensions (W  $\times$  H  $\times$  D): 36  $\times$  103  $\times$  57 mm

1332/86 Mains filtering device, 230Vac, 4000VA

The device prevents the propagation of radio-frequency interference on the power network which could cause faults to electronic apparatus sensitive to such interference. For better results, use with protection device Ref. 1332/85

is recommended to exploit their complementary action.

Power: 230Vac - 50Hz Attenuation: 60dB @ 2MHz. Max. current 20A Max. load: 4000VA Installation: DIN bar, 2 modules.

Dimensions (W x H x D): 36 x 90 x 58 mm.

1382/81 Protection device for 1 analogue telephone line

Replaces UTD1332/81. This device protects telephone switchboards (PABX) from power surges and induced disturbances from the telephone line connected to the PSTN network Thanks to the certification pursuant to European regulation EN61643-11/A11, the device guarantees a high degree of protection. Load: 1 analogue telephone line Installation: DIN bar (2 modules) or wall-mounted Dimensions (W x H x D): 36 x 103 x 57 mm

1382/82 Protection device for 2 analogue telephone lines

Replaces UTD1332/82. This device protects telephone switchboards (PABX) from power surges and induced disturbances from the telephone line connected to the PSTN network. Thanks to the certification pursuant to European regulation EN61643-11/A11, the device guarantees a high degree of protection. Load: 2 analogue telephone lines Installation: DIN bar (2 modules) or wall-mounted Dimensions (W x H x D): 36 x 103 x 57 mm

1382/21 📵 🖺 Surge protection device with "ADSL 2+" filter

The device integrates the functions of a telephone line surge protection and of a professional ADSL 2 filter (splitter). For maximum efficiency, install the protection on the telephone line near the PABX to be protected. The device will trip in presence of dangerous current surges on the line. Installation: wall mounted on DIN bar, 2 modules. Dimensions (W x H x D): 36 x 104 x 75 mm.



1382/21





TELEPHONY



### SYSTEM ACCESSORIES 4850/1 Supplementary electronic ringer Supplementary electronic ringer for wall installation, high acoustic efficiency and adjustable volume and sound frequency. Can be connected to telephone line using RJ11 plug and terminals, fixed to wall or installed in flush-mounting boxes 502 and 503, self-powered from telephone line, three different selectable sound frequencies. Dimensions (W x H x D): 145 x 101 x 42 mm. Supplementary electromechanical telephone ringer Supplementary electromechanical telephone ringer made of plastic with metal bell. Power: > 26Vac 20-50Hz. 3850/1 Installation: wall-mounted or flush-mounted with unified telephone socket. 2841/1 Loud bell ringer 60 Vac, 50 Hz, 120 mm Loud bell ringer with wall support. Power: 60 Vac, 50 Hz. Diameter 120 mm. Sound level: > 93 dBA @ 1m. Installation: wall-mounted. • Loud bell ringer 12 Vac, 50 Hz, 120 mm Loud bell ringer with wall support. Power: 12 Vac, 50 Hz. Diameter 120 mm. 2841/2 Sound level: > 93 dBA @ 1m. Installation: wall-mounted. 821 Telephone call repeater Call repeater or traditional door phone repeater with 10-12 Vac and 6 Vac voltage. Generates a 50Vac call on a max. load of 5 ringers Ref. 2841/1 or /2. Power: 230 Vac. Installation: bar fitted, 7 DIN modules.

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4850/1



[For connection to wireless ringers see page 80].

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# NTEGRATION BUILDING AUTOMATION m

INTEGRATION PLATFORM FOR BUILDING AUTOMATION

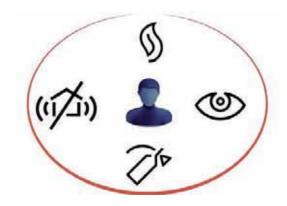
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### **IPERVIEW:** INTEGRATION PLATFORM FOR BUILDING AUTOMATION

### Real-time integrated technological and security system control.



A single modular system to manage:



• Intrusion alarm



• Fire alarm



· Gas detection



• CCTV



Video door phone



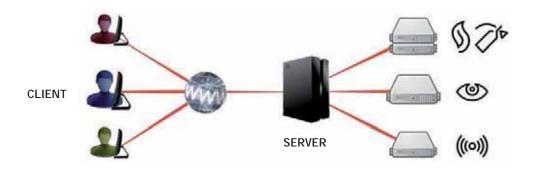
 Personal emergency response systems and SOS panic alarm



IPerView integrates different types of systems that operate together and interact, centralising remote

systems control. Since it allows the interaction among remote systems, IPerView offers unlimited operational

possibilities, and displays information in real time. The system must be installed after the plants, so it allows a customised plant management according to the needs of the single building.



Based on client-server architecture, IPerView communicates with the control units and the peripheral devices:

- A central server for integration
- Peripheral interface units for subsystems
- One or more monitoring stations

IPerView offers more extended use functionalities with the systems:





Is also compatible with third-party devices.









# IPERVIEW OPERATION

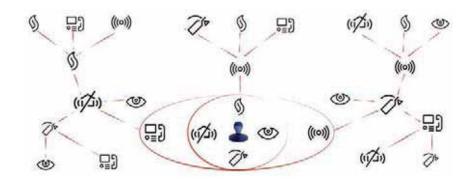


### A customisable system.

IPerView software can be connected to several devices, ensuring interoperability among different systems; then the supervisor can check various scenarios, allowing lower operating

costs, uniform procedures and flexibility. IPerView has a map-based graphic interface where maps can be hierarchically arranged according to your needs. Moreover, the system allows to view in real time the connected input and output devices, indicating:

- Location
- Type
- Status
- Operating logics



The system is equipped with a drag and drop interface, that allows to match devices and relevant sensors by simply dragging them with

your mouse. In case of alarm, IPerView reports the events, so it is possible to promptly manage them through checklists and action plans.

The system not only allows to focus on particular events, but also allows technical supervision and maintenance of systems.





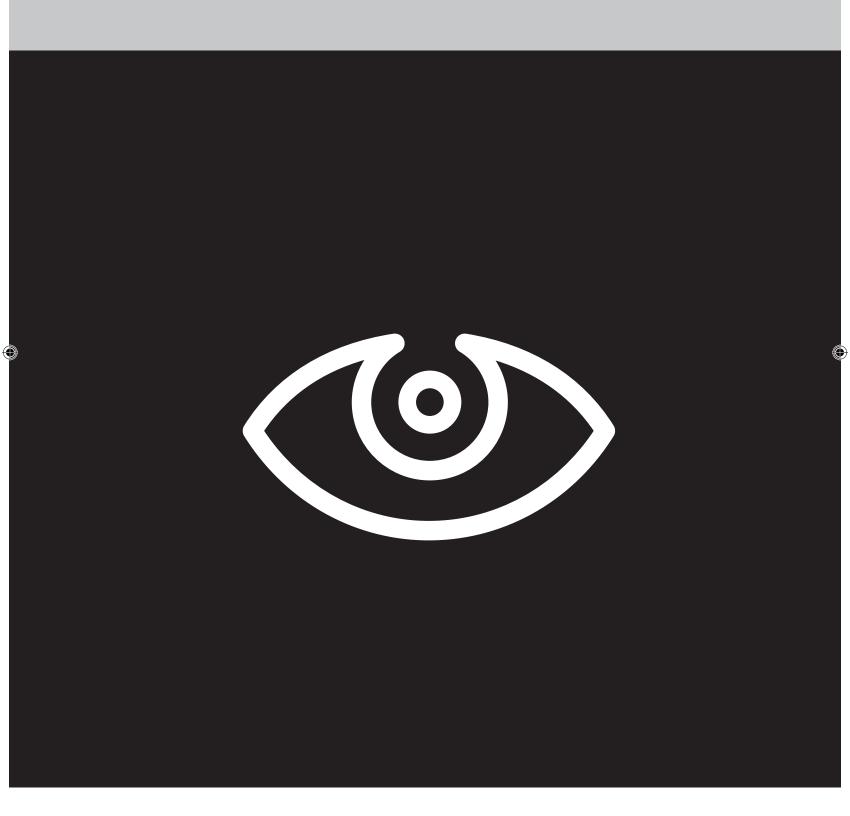


Aim your smartphone here and watch the video on YouTube!

For product availability, please contact our sales network



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# INTRODUCTION TO VIDEO SURVEILLANCE

**ENTRY LEVEL** FULL LEVEL **HIGH PROFILE** 

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### **VIDEO SURVEILLANCE**

A comprehensive range, suitable for all applications:

- Traditional box cameras with new features
- Micro-cameras and compact cameras: where both aesthetics and security demand a discreet appearance.
- Ball cameras e mini dome cameras: rugged technology.
   Thera Series: innovative, professional
- and convenient
- Easy Dome: for 360° security









**Entry level** 

Pag. 158



**Full Level** 

Pag. 160



**High Profile** 

Pag. 162





### **SYSTEMS**



Coaxial system Page 165



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HD-SDI system

Pag. 205



AHD system Pag. 225



ΙP system Pag. 237



Cloud system Pag. 257



KITS Pag. 281

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### **VIDEO SURVEILLANCE**



Professional and convenient products that are easy to install and use.







Home



Coffee bar



Shop

### FEATURES

- Complete range for any technological field
- Quick installation and programming
- Simple and user-friendly interface
- Remote management (via PC and mobile) thanks to UVS and iUVS SW
- Programmable video recording time

### USE

- $\bullet$  Ideal for small or medium-size stand-alone systems
- No specific scalability and future expansion required
- No device centralised management required
- Required (LAN, Internet) connection for viewing purposes through PC or smartphone

### **ADVANTAGES**

- · Limited access cost
- Easy installation
- Easy management
- Versatility of a system that can also be remotely controlled

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E	вох	BULLET and PTZ	DISPLAY	VIDEO MANAGEMENT	INSTALLATION ACC.	COMMON ACC.*
ANALOGUE SYSTEMS		1092/290, 1092/291, 1092/292, 1092/129A, 1092/678	1092/400, 1092/401B, 1092/407, 1092/419B		1092/300A, 1092/301, 1092/302, 1092/303, 1092/304, 1092/316, 1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 173, 174, 187, 189, 192
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<sup>\*</sup> power units, distributors, amplifiers, illuminators, camera and installation accessories



### **VIDEO SURVEILLANCE**



A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote

management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.







Business and industry



Shopping centres



Warehouses

### FEATURES

- Complete range for any technological field
- Solution scalable and modular features
- Device centralised management through UVS integrated management software
- Network connection (LAN/WAN)
- Remote management through iUVS App

### USE

- Ideal for medium-large size systems
- System scalability according to changed requirements
- Complete centralised management of devices through a single software by means of a user-friendly interface
- Required (LAN, Internet) connection for viewing purposes through PC or smartphone

### **ADVANTAGES**

- Competitive price
- Easy set-up and management
- Scalability: system can easily grow in time (number of cameras, Control Centres, other), thereby enhancing all investments already made
- Flexibility: system can be easily adapted to any transmission system (fibre optics, wireless, WAN, coaxial)
- easy to use: user-friendly controls/interfaces







	Boy	BULLET	DIODI AV	VIDEO	INSTALLATION	
F	вох	and PTZ	DISPLAY	MANAGEMENT	ACC.	COMMON ACC.*
ANALOGUE SYSTEMS		1092/218A, 1092/219A, 1092/603, 1092/677, 1092/136A	1092/400, 1092/407, 1092/421, 1092/427		1092/300A, 1092/301, 1092/302, 1092/303, 1092/304, 1092/316, 1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 173, 187, 189, 192, 195
LENSES refer to page 170						
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 $<sup>\</sup>ensuremath{^*}$  power units, distributors, amplifiers, illuminators, camera and installation accessories



### **VIDEO SURVEILLANCE**



### High profile

Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.









Museums

Airports

Squares, public areas

Barracks

### FEATURES

- Complete range for any technological field
- Solution scalable and modular features
- Device centralised management through UVS integrated management software
- Network connection (LAN/WAN)
- Remote management through iUVS App
- Management of "hybrid" systems (analogue Ahd Hd-Sdi- IP) from a single SW interface (UVS)

### USE

- Dedicated to open system architectures, like large shopping centres, stadiums, museums and large areas
- System scalability according to changed requirements
- Complete centralised management of devices through a single software by means of a user-friendly interface
- Required (LAN, Internet) connection for viewing purposes through smartphone

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Н	вох	BULLET and PTZ	DISPLAY	VIDEO MANAGEMENT	ACC. IMPIANTO	ACC. COMUNI*
ANALOGUE SYSTEMS	1092/165A	1092/209B, 1092/225, 1092/676	1092/400, 1092/407, 1092/421, 1092/427, 1092/432A, 1092/442A		1092/300A, 1092/301, 1092/302, 1092/303, 1092/304, 1092/316, 1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	p. 173, 187, 189, 192
LENSES refer to page 170						
AHD				1093/524, 1093/527, 1093/528,	1092/300A, 1092/301, 1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1092/202N	p. 229
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IP CLOUD					1094/102N, 1094/103N, 1094/104N, 1094/106N, 1094/150N, 1094/202N	

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 $<sup>\</sup>ensuremath{^*}$  power units, distributors, amplifiers, illuminators, camera and installation accessories





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# VIDEO SURVEILLANCE COAXIAL SYSTEM

CAMERA UNITS ACCESSORIES MONITOR DVR

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# STANDARD SOLUTIONS CAMERA UNITS

### MAIN FEATURES

- > INDOOR AND OUTDOOR SOLUTIONS
- > WIDE RANGE OF PRODUCTS
- > EASY SETTING
- > WIDE RANGE OF ACCESSORIES

A comprehensive range, suitable for all applications:

- Traditional box cameras with new features
- Micro-cameras and compact cameras: where both aesthetics and

security demand a discreet appearance.

- Ball cameras e mini dome cameras: rugged technology.
- Thera Series: innovative, professional and convenient
- Easy Dome: for 360° security



Professional and convenient products that are easy to install and use.



A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.





Products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.



SYMBOL KEY

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High Profile

Power supply

SEGMENTS/PF	RODUCTS				
		Page No.	ENTRY LEVEL	FULL LEVEL	HIGH PROFILE
	BOX CAMERA	169			1092/165A
	MICRO-CAMERAS AND COMPACT CAMERAS	176/179	1092/290 1092/291 1092/292	1092/218A 1092/219A	1092/209B 1092/225
	BALL CAMERAS AND MINI DOME CAMERAS	183/185	1092/129A 1092/151 1092/142B	1092/136A	
	MINI SPEED DOME THERA SERIES	190/192			1092/603
	EASY DOME IV	194			1092/676 1092/677 1092/678

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ACCESSORIES	
	Page No.
Box camera Accessories Lenses Housing kits Brackets and adapters Illuminators	172 173 173 174
Compact camera accessories	181
Ball Camera and Mini Dome Camera Accessories	185
Camera unit accessories	187

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# STANDARD SOLUTIONS BOX CAMERA







FNTRY I FVFI

**FULL LEVEL** 

HIGH PROFILE



### MAIN FEATURES

- > CCD 1/3" SENSORS
- > CHOICE OF FIXED MANUAL AND VARIFOCAL LENSES (INCLUDING IN AUTOIRIS MODE)







### **BOX CAMERA DAY&NIGHT**

### BOX CAMERA DAY&NIGHT

### 1092/165A 🖭

750TVL Day&Night Camera, with IR Cut Filter, DSS, DNR and WDR, 230Vac power supply
• Sensor: CCD 1/3" Sony Super HAD
• Minimum sensitivity: 0.5 Lux (colour) / 0.01Lux (B/W) / 0.005 Lux (with sens-up On)

**(** 

- Horizontal resolution: 750 TVL
- Mechanically removable IR Cut filter
- Power supply: 230 Vac Lens not included













TECHNICAL FEATURES	
Sensor type	CCD 1/3" – SONY SUPER HAD CCD
Sensitive elements	752(H)x582(V) pixel
Sensitivity	0.5 LUX colour; 0.01 LUX B/W
Resolution	750 TVL
S/N ratio	>50dB
Synchronization	Internal
Lens compatibility	DC Drive
Auto shutter	1/50 1/100,000 sec (ON/OFF)

FUNCTIONS	
White balancing:	ADJUSTABLE
Back Light Compensation (BLC)	ADJUSTABLE
Gain control (AGC)	ADJUSTABLE
IR CUT filter	YES
DNR	YES
DSS	YES
OSD menu	YES
Other functions	HLC - SMART IR - DCP - Lens shading - Anti CR - RS485 - Mo- tion Detector - Real WDR

GENERAL DATA	
Video output	composite output 1 Vpp, 75 Ohm
Power supply	230 Vac
Consumption	200 mA
Operating temperature	0-50°C
Storage temperature	-30-60°C
Dimensions (W x D x H)	117 x 71 x 60 mm
Weight	320g
Use	Indoor / Outdoor inside housing

ACCESSORIES		
Housings - Brackets - Lenses - Illuminators	see specific section	





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# STANDARD SOLUTIONS LENSES





> LENSES WITH FIXED FOCAL LENGTH

### **VARIFOCAL**:

> LENSES WITH MANUALLY ADJUSTABLE FOCAL LENGTH. SUITABLE FOR USE IN A WIDE RANGE OF CONTEXTS A comprehensive range including fixed focal and varifocal lenses, available in manual iris or autoiris version. The choice of lens is a strategic one and is affected by several factors:

- lighting conditions (i.e., indoor, outdoor, daytime, night-time...);
- type of sensor (which affects lens response and thus final shooting quality);
- shooting requirements: wide angle, telephoto lens.



1090/550 н



1090/552 E F H

1090/553 E F H



1090/545-546-547

E F

1090/549-551 н



1092/500

E F

1092/503-505 Н

E Entry Level F Full Level H High Profile









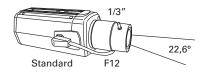
Lenses can be broken down as follows:

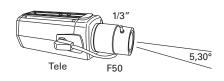
- Fixed focal length: where focal length (as defined below) is fixed; fixed focal lenses can be used in video shooting with just one reference plane, where scene brightness is more or less constant;
- Variable focal length: where focal length (as defined below) can be manually adjusted during installation or setup;
- Zoom:

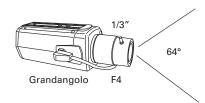
  lenses designed to offer the chance to change lens focal length physical features, thereby allowing the user to change the zoom level; these lenses are identified by their

zoom level (x6, x10...). They are available in a manual and in a motor-driven version.

A shooting angle increase results in a wider shooting range, as illustrated in the picture below.







### Calculating focal length (camera with 1/3" CCD sensor)

When width (W) and distance (D) are known:

Correct focal length (mm) =  $\frac{\textit{Distance from lens (m) x Sensor dimension (mm)}}{\textit{Width (m)}}$ 

Example:
To shoot an 8-metre wide area located at 20 metres from the lens:
Correct focal length (mm) for CCD 1/3" = (20 x 4.8) : 8 = 12 mm

When height (h) and distance (D) are known:

Correct focal length (mm) = Distance from lens (m) x Sensor dimension (mm)

Height (m)

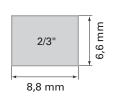
Example: To shoot 4 m high at 10 m from the lens: Correct focal length (mm) for CCD 1/3" = (10 x 3.6): 4 = 9 mm

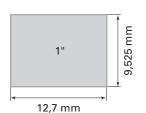
### STANDARD CCD SIZES











NOTE This calculation gives a rough figure referred to a 1/3" CCD sensor

GENERAL CATALOGUE 2015/2016

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# STANDARD SOLUTIONS LENSES



1090/550 H



1090/552 E F H

1090/553 E F H



1090/545-546-547

E F

1090/549-551 н

LENSES					
ITEM NO.	Focal Length (mm)	Maximum Aperture	Horizontal view angle	Lens Size (mm)	Format
MANUAL VARI	FOCAL LENSES				
1090/550°	5 - 100	F1.6 - C	51 - 2.7	80	1/3″
AUTOIRIS DC I	DRIVER LENSES				
1090/545	3.5 - 8	F1.2 - 300	77 - 33	47	1/3″
1090/546°	2.8 - 12	F1.4 - 300	81 - 28	65	1/3″
1090/547°	5 - 50	F1.6 - 300	51 - 5	72	1/3″
1090/549°	2.8 - 6	F1.4 - 300	82 - 43	36.8	1/3″
1090/551°	5 - 100	F1.6 - 300	51 - 2.7	80	1/3″
AUTOIRIS DC DRIVER LENSES (FOR USE WITH DAY&NIGHT CAMERAS)					
1090/552	2.8 - 12	F1.4 - 300	81 - 22	68	1/3″
1090/553	5 - 50	F1.4 – 300	51 - 5	73.5	1/3"

MEGAPIXEL LENSES						
ITEM NO.	Focal Length (mm)	Maximum Aperture	Horizontal view angle	Lens Size (mm)	Format	
MEGAPIXEL VARIFOCAL DC DRIVER LENSES						
1092/500°	4.5 - 14	F1.6 - 300	106 - 32	58	1/2"	
2 MEGAPIXEL VARIFOCAL DC DRIVER LENSES						
1092/503°	2.8 - 12	F1.6 - C	51 - 2.7	80	1/3″	
1092/505°	3 - 8	F1.2 - 300	77 - 33	47	1/3″	
3 MEGAPIXEL VARIFOCAL DC DRIVER LENSES						
1092/506°	8 - 50	F1.6 - 360	34 - 25	73.5	1/3"	
1092/507	2.8 - 12	F1.4 - 300	103 - 31	47	1/2.7"	



1092/500

E F

1092/503-505

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• Please contact our sales network to verify product availability

E Entry Level

F Full Level

H High Profile

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### **BOX CAMERA ACCESSORIES**

### HOUSING KITS

### 1092/830

Outdoor housing kit

• Side opening with slide integrated on housing body

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- Made of extruded aluminium
- IP66
- External dimensions: 140 (W) x 120 (H) x 395 (D) mm
- Weight: 1760 g · Heating kit: 230Vac
- BRACKET INCLUDED

### 1090/809 Outdoor housing kit

- Sliding extractable body with coupling system
- Made of extruded aluminium
- Made of extruded aluminium
   External dimensions: 105 (W) x 95 (H) x 315 (D) mm
   Internal dimensions: 70 (W) x 65 (H) x 300 (D) mm
   Weight: 1.4 Kg
   Protection class: IP55
   Heating kit: 230Vac
   BRACKET NOT INCLUDED



1090/830



1090/809

### **BRACKETS AND ADAPTERS**

### 1090/807

### Housing bracket 1090/809

- •Cables routed externally
- Load capacity: 15 KgWeight: 0.5 kg

### 1092/832

### Pole adapter for housing 1092/830

- Pole: diameter 60-110 mm
- Weight: 1.3 Kg
- Dimensions: 110 x 175 mm



1090/809



1090/832



### **ILLUMINATORS**

### ILLUMINATORS

1092/895\*

## Outdoor IR illuminator with hood X IR LED, 70m - X degrees • X High-efficiency Infrared LEDs • 12Vdc - 550mA MAX

• Maximum range: 70 metres

• Internal twilight sensor for operation with illumination level below 10 lux

• Dimensions: 72 x 72 x 100 mm

1092/896\*

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### Outdoor IR illuminator with hood X IR LED, 100m - X degrees

• X High-efficiency Infrared LEDs

• 12Vdc – 550mA MAX

• Maximum range: 100 metres

• Internal twilight sensor for operation with illumination level below 10 lux

• Dimensions: 72 x 72 x 100 mm

COMPARATIVE CHART	1092/895	1092/896
TECHNICAL FEATURES		
Number of IR LEDs	3	8
IR wave length	850nm	850nm
MAX range (using cameras having a sensitivity equal to or higher than 0.3 Lux and F1.3 lens)	70m	120m
IP degree	IP66	IP66

GENERAL DATA		
Power supply:	12VDC	12VDC
Recommended power unit (not included)	1092/801	1092/801
Dimensions (mm)	672 x 335 x 263	515 x 390 x 370
Bracket	Included	Included







<sup>\*</sup> Please contact our sales network to verify product availability

## (W)

### STANDARD SOLUTIONS MICRO-CAMERAS AND COMPACT CAMERAS



**ENTRY LEVEL** 



FULL LEVEL



HIGH PROFILE









### **MAIN FEATURES**

- > SUITABLE FOR ANY INSTALLATION CONTEXT
- > RELIABLE
- > IDEAL FOR INDOOR AND OUTDOOR **INSTALLATION**

Urmet's range of camera units has been updated with the addition of new microcameras and special cameras. These new products, which are suitable for any type of installation, combine a discreet appearance with professional quality performance. This new range of highperformance compact cameras includes customisable solutions able to meet multiple

The technology they rely on allows us to obtain a high reliability even on such small products. Urmet offering now entails further advantages: the new compact cameras feature

higher resolutions, high reliability and the convenience to set up any system tailored to customer's requirements, obtaining utmost costeffectiveness and performance to satisfy all expectations.





### **MICRO-CAMERAS AND COMPACT CAMERAS**



1092/290







### COLOUR MICRO-CAMERAS

### 1092/290

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 Horizontal resolution: 420 TVL • Lens: pinhole 3.7 mm/F2

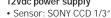
• Power supply: 12Vdc

Recommended power unit: 1092/800

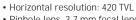
### 1092/291



### 1/3" Day&night camera hidden in theft alarm system detector housing. 12Vdc power supply







• Pinhole lens, 3.7 mm focal length/F2

Power supply: 12VdcArticulation included

Recommended power unit: 1092/800

### 1092/292

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- Sensor: SONY CCD 1/3"
- Horizontal resolution: 700
- Lens: pinhole 3.7 mm/F2
- Adjustable Functions: BLC, AGC, 2DNR, Motion detector, White balancing
- Power supply: 12 Vdc (Recommended power unit 1092/800)



1092/292

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#### COMPACT CAMERAS

#### 1092/218A

- $1/3^{\prime\prime}$  2.8-12mm compact Day&Night camera with IR LED, IR Cut Filter and OSD menu

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- Sensor: 1/3" SONY EX-VIEW
- Sensitivity: Colour: 0.1Lux@F1.2, B/W: 0.08Lux@F1.2
- Lens: 2.8-12mm
- Horizontal resolution: 700 TVL
- IR Cut filter
- OSD menu
- Back Light Compensation: OFF/ON/DRC (Dynamic range control)
- Number of LED units: 42
- IR LED range: 30 m
- 2DNR (Dynamic Noise Reduction)
- D-WDR (Digital Wide Dynamic Range), 8 Privacy Zones
   IR SMART function
   Lens shading

- Motion Detector • Protection class: IP66
- Power supply: 12Vdc
- Consumption: 600mA
- Dimensions: 78x165 mm
- · Bracket included
- Recommended power unit: 1092/801

#### 1092/219A

- $1/3^{\prime\prime}$  6-22mm compact Day&Night camera with IR LED, IR Cut Filter and OSD menu
  - Sensor: 1/3" SONY EX-VIEW
  - Sensitivity: Colour: 0.1Lux@F1.2, B/W: 0.08Lux@F1.2
  - Lens: 6-22mm
  - Horizontal resolution: 700 TVL • IR Cut filter
  - OSD menu

  - Back Light Compensation: OFF/ON/DRC (Dynamic range control)
  - Number of LED units: 42
  - IR LED range: 30 m
  - 2DNR (Dynamic Noise Reduction)
  - D-WDR (Digital Wide Dynamic Range)
  - 8 Privacy Zones
  - IR SMART function
  - Lens shading
  - Motion Detector
  - Protection class: IP66
  - Power supply: 12Vdc
  - Consumption: 600mA
  - Dimensions: 78x165 mm
  - Bracket included
  - Recommended power unit: 1092/801



1092/218A



1092/219A













COMPARATIVE CHART

TECHNICAL FEATURES

Sensitive elements

Sensor type

Sensitivity

Resolution

S/N ratio

Synchronization

Number of LEDs

Shutter control

IR LED range/opening angle

Lens



# **MICRO-CAMERAS AND COMPACT CAMERAS**

1.		
	1092/218A	1092/219A
	1072/210A	1072/217A
	1/3" SONY EX-VIEW	1/3" SONY EX-VIEW
	960H 1024(H)x582(V) pixel	960H 1024(H)x582(V) pixel
	Colour: 0.1Lux@F1.2, B/W: 0.08Lux@F1.2	Colour: 0.1Lux@F1.2, B/W: 0.08Lux@F1.2
	700 TVL	700 TVL
	Varifocal f2.8-12mm manual	Varifocal f 6-22mm manual
	>50dB	>50dB
	Internal	Internal
	42	42

35m / ±45/60°

1/50 ~ 1/100000 sec (AUTO)

FUNCTIONS				
White balancing:	ADJUSTABLE	ADJUSTABLE		
Back Light Compensation (BLC)	ADJUSTABLE	ADJUSTABLE		
Gain control (AGC)	ADJUSTABLE	ADJUSTABLE		
IR CUT filter	YES	YES		
2DNR	YES	YES		
DSS	NO	NO		
OSD menu	YES	YES		
Other functions	DWDR - HLC - SMART IR	DWDR - HLC - SMART IR		

42

30m / ±60°

1/50 ~ 1/100000 sec (AUTO)

GENERAL DATA				
Video output	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm		
Power supply	12 VDC	12 VDC		
Consumption	600 mA	600 mA		
Operating temperature	-10-50°C	-10-50°C		
Storage temperature	-20-60°C	-20-60°C		
Dimensions (Ø x L)	78 x 165	78 x 165		
Weight	800g	800g		
IP protection class	IP66	IP66		
Use	Indoor/outdoor	Indoor/outdoor		

ACCESSORIES		
Power unit	1092/801	1092/801

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#### COMPACT CAMERAS

#### 1092/209B

1/3" 3.5-16mm compact Day&Night camera with IR LED, IR Cut Filter, WDR, and Multilanguage OSD menu

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- Sensor: 1/3" Sony CCD 960H
- Sensitivity: Colour: 0.3Lux, B/W:0.1lux Colour DSS:0.0005lux, B/W DSS:0.0002lux
- Lens: 3.5-16mm
- Horizontal resolution: 750 TVL
- IR Cut filter
- Multi-language OSD menu
- Back Light Compensation: OFF/ON/AUTO
- Number of LED units: 42
- IR LED range: 45 m
- 2DNR (Dynamic Noise Reduction)
   WDR (real Wide Dynamic Range)
- 8 Privacy Zones
- DSS (Digital Slow Shutter)
- IR SMART function
- Lens shading
- Motion Detector
- Protection class: IP65
- Power supply: 12Vdc
- Consumption: 450mA
- Dimensions: 348x114 mm
- Bracket included
- Recommended power unit: 1092/801

#### 1092/225

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#### $1/3^{\prime\prime}$ 5-50mm compact Day&Night camera with 10X ZOOM and IR LED, IR Cut Filter and OSD menu

- Sensor: 1/3" SONY
  - Sensitivity: 0.01Lux colour;0.001Lux D/N
  - Lens: 5-50mm (motorised 10X zoom) -Autofocus
  - Horizontal resolution: 700 TVL
  - IR Cut filter
  - OSD menu
  - Back Light Compensation: OFF/ON/DRC (Dynamic range control)
  - Number of LED units: 42 + 2 LED ARRAY
  - IR LED range: 50 m
  - 2DNR (Dynamic Noise Reduction)
  - D-WDR (Digital Wide Dynamic Range)
  - 8 Privacy Zones
  - IR SMART function
  - RS485
  - Motion Detector
  - Protection class: IP66
  - Power supply: 12Vdc
  - Consumption: 650mA
  - Dimensions: 70x150 mm
  - · Bracket included
  - Recommended power unit: 1092/801



1092/209B



1092/225





# MICRO-CAMERAS AND COMPACT CAMERAS





COMPARATIVE CHART	1092/209B	1092/225			
TECHNICAL FEATURES					
Sensor type	1/3" Sony CCD 960H	1/3" Sony			
Sensitive elements	1108(H)x596(V) pixel	960(H)x582(V) pixel			
Sensitivity	Colour: 0.3Lux, B/W:0.1lux Colour DSS:0.0005lux, B/W DSS:0.0002lux	0.01Lux colour; 0.001Lux D/N			
Resolution	750 TVL	700 TVL			
Lens	Varifocal Autolris - F 1.2 f3.5-16mm manual	Zoom 10X 5mm~50mm F1.2 Autofocus			
S/N ratio	>50dB	>50dB			
Synchronization	Internal	Internal			
Number of LEDs	42	42 + 2 LED ARRAY			
IR LED range/opening angle	45m / ±45/60°	50 metres / ±45/15°			
Shutter control	50-100.00 +DSS	50-100.00 +DSS			

FUNCTIONS	INCTIONS			
White balancing:	ADJUSTABLE	ADJUSTABLE		
Back Light Compensation (BLC)	ADJUSTABLE	ADJUSTABLE		
Gain control (AGC)	ADJUSTABLE	ADJUSTABLE		
IR CUT filter	YES	YES		
DNR	YES	YES		
DSS	YES	YES		
OSD menu	YES (Multi-language)	YES		
Other functions	HLC - SMART IR - DCP - Lens shading - Anti CR - RS485 - Motion Detector - Real WDR	HLC - SMART IR - Lens shading - RS485 - Motion Detector		

Continuous >











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	1092/209B	1092/225			
GENERAL DATA	GENERAL DATA				
Video output	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm			
Power supply	12 VDC	12 VDC			
Consumption	450 mA	650mA			
Operating temperature	-10-50°C	-10-50°C			
Storage temperature	-30-60°C	-30-60°C			
Dimensions (Ø x L)	348x114mm	70x150mm			
Weight	1277g	1200g			
IP protection class	IP65	IP66			
Use	Indoor/outdoor	Indoor/outdoor			

ACCESSORIES		
Power unit	1092/801 or 1092/804	1092/801 or 1092/804



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# STANDARD SOLUTIONS BALL CAMERAS AND MINI DOME CAMERAS





HIGH PROFILE

APPLICATION SUGGESTIONS







#### MAIN FEATURES

- > WIDE SHOOTING ANGLE
- > HIGH IP DEGREE AND VANDAL RESISTANT HOUSING

These sturdy and discreet cameras offer 360° security, combining cutting-edge technology, a pleasant-looking design and compact dimensions. Urmet's new vandal resistant ball cameras and a wide range of mini dome cameras can be used

to create virtually any kind of system according to specific installation and performance requirements. All models feature a wide view angle and tamper protection systems.







#### BALL CAMERAS AND MINI DOME CAMERAS

#### 1092/129A\*

1/3" day&night VANDAL RESISTANT mini dome camera, with 3.6 mm lens and IR LED

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- Sensor: CMOS 1/3"
- Horizontal resolution: 620 TVL
- Sensitivity: Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON
- IR CUT filter
- Lens: 3.6 mm/F2
- Number of IR LEDs: 24 IR LED range: 10 m

- Electronic functions: AGC AWB BLC
- Protection class: IP65
- Power supply: 12 VdcConsumption: 210mA
- Dimensions: 92x80 mm
- Recommended power unit: 1092/800

#### 1092/151\*

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## 1/3" day&night VANDAL RESISTANT Ball Camera with 2.8-12mm lens and IR LED • Sensor: 1/3" SONY EXMOR 1.37Megapixel

- · Sensor horizontal resolution: 1000 lines
- Sensitivity: Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON
- Lens: 2.8-12 mm varifocal
   Number of IR LEDs: 36
   IR LED range: 25m
   IR CUT filter

- OSD menu
- Adjustable functions: AGC AWB BLC
   Protection class: IP65
- Power supply: 12 Vdc
  Consumption: 300mA
- Dimensions: 119x84 mm
- Recommended power unit: 1092/801

#### 1092/142B\*

S.

#### 1/3" day&night VANDAL RESISTANT Ball Camera with 2.8-12mm lens and IR LED

- Sensor: 1/3" CCD SONY SUPER HAD
- Sensor horizontal resolution: 700 TVL
   Sensitivity: Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON
   Lens: 2.8-12 mm varifocal
- Number of IR LEDs: 36
- IR LED range: 25m
- Electronic functions: AGC AWB BLC Protection class: IP65
- Power supply: 12 Vdc
  Consumption: 300mA
- Dimensions: 119x84 mm
- Recommended power unit: 1092/801



1092/129A



1092/151



1092/142B



<sup>\*</sup>Please contact our sales network to verify product availability



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# STANDARD SOLUTIONS BALL CAMERAS AND MINI DOME CAMERAS

COMPARATIVE CHART	1092/129A	1092/151	1092/142B
TECHNICAL FEATURES			
Sensor type	1/3" CMOS Sensor	1/3" SONY EXMOR 1.37Megapixel	1/3" CCD SONY SUPER HAD
Sensitive elements	756 pixel (H) x 504 pixel (V)	1305(H)x1049(V) pixel	960H 1024(H)x582(V) pixel
Sensitivity	Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON	Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON	Colour: 0.3Lux@F1.2, B/W: 0Lux IR ON
Resolution	620 TVL	1000 TVL	700 TVL
Lens	fixed 3.6 mm / F2	Varifocal f2.8-12mm manual	Varifocal f2.8-12mm manual
Туре	Ball	Ball	Ball
S/N ratio	>48 dB	>48 dB	>50 dB
Synchronization	Internal	Internal	Internal
Number of LEDs	24	36	36
IR LED range/opening angle	10m / ±30°	25m / ±60°	25m / ±60°
Shutter control	1/50 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)

FUNCTIONS				
White balancing (AWB)	AUTO	ADJUSTABLE	AUTO	
Back Light Compensation (BLC)	AUTO	ADJUSTABLE	AUTO	
Gain control (AGC)	AUTO	ADJUSTABLE	AUTO	
IR CUT filter	YES	YES	NO	
DNR	NO	YES	NO	
DSS	NO	NO	NO	
OSD menu	NO	YES	NO	
Other functions	NO	Motion Detector - Privacy Zones - electronic zoom	NO	

GENERAL DATA			
Video output	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm
Power supply	12 VDC	12 VDC	12 VDC
Consumption	210 mA	300 mA	300 mA
Operating temperature	0-45°C	0-45°C	-10÷45°c
Storage temperature	-30-60°C	-30-60°C	-30-60°C
Dimensions (W x D)	92 x 80	119 x 84	119 x 84
Weight	130g	740g	740g
IP protection class	IP65	IP65	IP65
Vandal resistant	NO	YES	YES
Use	Indoor	Indoor/outdoor	Indoor/outdoor

ACCESSORIES			
Power unit	1092/800	1092/801	1092/801
Bracket			

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#### BALL CAMERAS AND MINI DOME CAMERAS

#### 1092/136A\*





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- Lens: 4 -9 mm varifocal
- Number of IR LEDs: 24
- IR LED range: 16m OSD menu
- Back Light Compensation: OFF/ON/AUTO
   Electronic functions: AGC AWB ATR
   2DNR (Dynamic Noise Reduction)
   IR SMART function

- Motion Detector
- Power supply: 12VdcConsumption: 500mA

- Dimensions: 118x85 mm
  Recommended power unit: 1092/801

<sup>\*</sup>Please contact our sales network to verify product availability





1092/145A\* Wall bracket for mini dome cameras 1092/144B and 1093/305



1092/136A







<sup>\*</sup>Please contact our sales network to verify product availability



# STANDARD SOLUTIONS BALL CAMERAS AND MINI DOME CAMERAS

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1092/136A

TECHNICAL FE	TECHNICAL FEATURES									
Sensor type	Sensitive elements	Sensitivity	Resolution	Lens	Туре	S/N ratio	Synchroni- zation	Number of LEDs	IR LED range/ opening angle	Shutter control
CCD 1/3" SONY EXview HAD CCDII	960H 1024(H) x596(V) pixel	Colour: 0.1Lux@F1.2, B/W: 0.08Lux@ F1.2 – 0 Lux with IR LED On	700 TVL	Varifocal f4 -9mm manual	Dome	>50 dB	Internal	24	16m / ±30°	1/50 ~ 1/100000 sec (AUTO)

FUNCTIONS							
White balancing (AWB)	Back Light Compensa- tion (BLC)	Gain control (AGC)	IR CUT filter	DNR	DSS	OSD menu	Other functions
ADJUSTABLE	ADJUSTABLE	ADJUSTABLE	NO	YES	NO	YES	IR SMART - ATR - MOTION DETECTOR

GENERAL DATA									
Video output	Power supply	Consumption	Operating temperature	Storage temperature	Dimensions (W x D)	Weight	IP protection class	Vandal resistant	Use
composite output 1 Vpp, 75 Ohm	12 VDC	500 mA	-10÷45°c	-30-60°C	118 x 85	830g	-	NO	Indoor

ACCESSORIES	
Power unit	Bracket
1092/801	-

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# STANDARD SOLUTIONS CAMERA UNIT ACCESSORIES



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#### MAIN FEATURES

- > POWER UNITS FOR ALL PRODUCT RANGES
- > BRACKETS AND ADAPTERS FOR ALL APPLICATIONS

GENERAL CATALOGUE 2015/2016



## STANDARD SOLUTIONS **CAMERA UNIT ACCESSORIES**



1090/850



1092/800



1092/804

VIDEO POWER UNITS
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1090/829 230Vac	: – 12Vdc Power ur	nit
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- Suitable for the entire range of b/w and colour cameras. Suitable for installation in housing 1090/809 with the accessory supplied
  Input voltage: 230Vac

- Output voltage: 12Vdc 400 mA Weight: 400 g Dimensions: 82(L) x 72(H) x 35(D) mm

#### 1090/850

- **230Vac 15Vdc 12Vdc Power unit** Power supply: 230 V~±10%, 50/60 Hz
   Power: 5 VA rated
- Power: 5 VATated
  Output: Vout= 12V, 0.18 A (with P1 P2 jumper) Vout= 15V, 0.18 A (without P1 P2 jumper)
  Protection: PTC thermistor (on secondary circuit)
  Operating temperature range: -10° C, + 40° C
  Weight: 300 g
  Dimensions: 65(L) x 63(H) x 45(D) mm

#### 1092/800 230Vac - 12Vdc - 500mA Plug-in power unit

- Input voltage: 230VacOutput voltage: 13.2Vdc 500 mA
- Weight: 105 g
   Dimensions: 28(L) x 40(H) x 74(D) mm

#### 230Vac - 12Vdc - 1200mA Plug-in power unit 1092/801

- Input voltage: 230Vac
- Output voltage: 13.2Vdc 1200 mA
- Weight: 135 g
   Dimensions: 30(L) x 43(H) x 82(D) mm

#### 1092/804 230Vac – 12Vdc – 3A – 4 Output Multi-power unit • Input voltage: 230Vac

- Output voltage: 13.2 Vdc total 3A
  Available outputs: 4
- Maximum available current per output: 1.5A (Total 3A)
- Weight: 668 g
   Dimensions: 162 (W) x47 (H) x162 (D) mm

#### **ACCESSORIES**

## Pole collar for brackets 1090/817 and 1090/807 • Pole: Ø 65 – 110 mm • Weight: 1.2 Kg • Dimensions: 110 x 175 mm 1090/717

#### 1090/813 Wall bracket for CCD camera, length 140 mm Wall bracket for CCD camera, length 190 mm 1090/814 1092/832

### Pole adapter for housing 1092/830 • Pole: diameter 60-110 mm Weight: 1.3 KgDimensions: 110 x 175 mm

1090/836 BNC connectors - 4 pcs. pack (screw type)

1090/837 BNC connectors - 4 pcs. pack (crimp-type) 1090/840 Camera power cable with 90° connector

#### CAMERA ACCESSORIES

1090/190	Microphone for audio applications
	Microphone for audio applications, suitable and compatible with the entire camera range.
	Connectors: Power IN JACK; Power OUT JACK; audio signal RCA. Power supply: 12Vdc ± 10%.





# INSTALLATION ACCESSORIES

#### VIDEO DISTRIBUTORS

#### 1090/726

# Video distributor 1 input / 4 outputs • Power supply: 230 Vac • S/N ratio: > 55 dB

- Weight: 2.2 kg
  Dimensions: 216(L) x 44(H) x 240(D) mm

#### 1090/727

#### Video distributor 1 input / 8 outputs

- Power supply: 230 Vac
   S/N ratio: > 55 dB
   Weight: 2.2 kg
   Dimensions: 216(L) x 44(H) x 240(D) mm

#### 1090/730

#### Miniaturised video distributor

It is used to distribute the video signal from a camera to up to 4 monitors. Thanks to its compact size it can be installed on the wall or inside a connection box. It must be powered with the 1090/850 power unit using the 12Vdc output without adapter.

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- Power supply: 15Vdc 30mA
- Connections: does not require BNC connectors
- Dimensions 96(L) x 28(H) x 65(D) mm



1090/726



1090/727

#### VIDEO AMPLIFIERS

#### 1092/729

lacktriangle

#### Video amplifier 1 input / 1 output

- Video input: 1
- Video output: 1
- Linear gain: > 13dBPower supply: 230 Vac
- Weight: 2.2 kg
- Dimensions: 216(L) x 44(H) x 240(D) mm

NOTE: Not compatible with AHD products

#### **INSTALLATION ACCESSORIES**

#### 1092/731

#### Video isolation transformer

Isolation transformer designed for 75 Ohm coaxial video lines

Protects video signals from distortions caused by ground potential differences and proximity to power cables.

- Insertion loss: 0.5 dB
- Bandwidth: 10 MHz
- Input and output impedance: 75 ohm
  (Minimum) isolation voltage: 800V

- Isolation resistance: 100 MOhm
   ESD protection: 6kV contact discharge 8kV air discharge
   Overvoltage protection: 4kV 10/700 µs
- Operating temperature: -20°C ≈ +50°C
- Case dimensions: W 55 x D 30 x H 22 mm
  Weight: 77 g

#### 1092/732

#### Video and data protection filter

protection filter designed for coaxial 750hm video lines and RS-485 data lines with relevant power supply. It ensures protection of images and data against voltage peaks, induced and conduced overvoltage, and electrostatic discharges.

- Protection filter: Video Data Power supply
   Video insertion loss: 0.3 dB
- Response time: <0.5 ns
- Max isolation voltage: 4 kV
  Max discharge current: 10 kA
  Video bandwidth: 10 MHz
- Operating temperature: -60°C +95°C
   Dimensions: W 90 x D 52 x H 40 mm
   Weight: 137 g





# STANDARD SOLUTIONS THERA SERIES MINI SPEED DOME CAMERAS



#### MAIN FEATURES

- > COST-EFFECTIVENESS
- > HIGH PERFORMANCE
- > REMOTE CONTROL FROM KEYPAD

Thera, Urmet's new range of Mini Dome cameras with horizontal and vertical axis movement, combines design, functionality and a discreet appearance. Extremely compact size makes these Dome cameras particularly

suitable for all applications where discretion, design and cost-effectiveness are key requirements.

The new product features and pricing make Thera the ideal solution for all installation contexts

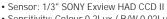
• Thera 6: this model features a high operating speed and a 10X optical zoom that can be controlled via keypad. It is also suitable for outdoor installation (IP66 degree with Power Box) with mounting bracket and protection accessories. It is ideal for businesses and public sector offices.

#### MINI DOME CAMERAS

1092/603

Thera- Outdoor Mini dome PTZ D&N camera with 10X zoom

urmet



- Sensitivity: Colour 0.2Lux / B/W 0.02Lux
- Horizontal resolution: Colour 600 TVL / B/W 700 TVL
- OSD menu
- Lens: Zoom 10 X f.5.5mm~55mm F1.2
- Operating temperature: -20°C ÷ 60°C • Protection class: IP66
- Power supply: 24Vdc/Vac ±10%; 50Hz 10W
- Wall bracket included
- Power unit supplied





190











SECURITY KITS



COMPARATIVE CHART	1092/603			
TECHNICAL FEATURES				
Sensor	1/3" SONY Exview HAD CCD II			
Lens	5.5mm~55mm F1.2			
TVL Resolution	Colour 600 TVL / B/W 700 TVL			
Sensitivity (lux)	Colour 0.2Lux / B/W 0.02Lux			
Available addresses	256			
Horizontal axis rotation range	360 degrees, continuous			
Vertical axis rotation range	180 degrees, with autoflip			
Rotation speed in manual mode	0.1~240°/S			
Rotation speed in preset mode	0.1~300°/S			
Digital zoom	NO			
Auto flip	YES			
Optical zoom	X10			

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FUNCTIONS	
OSD menu	YES
Number of Preset	128
"Repeat Last" function	YES
Vector Scan function (Sequences of functions and Preset that can be activated)	7
Pattern function (paths that can be stored)	6
Privacy Zones	NO
Alarms that can be managed	Through Alarm Board 1092/685
Remote alarm In-Out	8IN/10UT
Supported protocol	Pelco D
Remote alarm In-Out	On Alarm Board 1092/685
Compatibility with additional alarm board Sch 1092/685)	YES

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GENERAL DATA	
Video output	Composite output 1 Vpp, 75 Ohm
Power supply	24Vdc/Vac ±10%; 50Hz
Standard power unit supplied	YES
Compatible Power Box	1092/705 (with alarm board)
Consumption	10W
Operating temperature	-20-60°C
Dimensions (W x D) without bracket	200 x 170 mm
Weight	1.5Kg
IP protection class	IP66
Use	Indoor/outdoor

ACCESSORIES					
Power Box	YES				
Keypad	All				
Wall bracket	Supplied				
Ceiling-mount bracket	YES				
False-ceiling	NO				
Ceiling	NO				





## **ACCESSORIES**



1092/705



1092/693



1092/694



EASY DOME IV - THERA SERIES COMMON ACCESSORIES

1092/705

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Power Box for Easy Dome IV Thera 6-7

Power Box is a unit with IP66 protection class, containing: • 230Vac, 24Vac output power unit

quick-coupling power cables for connection to Thera 6 and Thera 7
 alarm board with 8 In for preset positioning and management and 2 Out for alarm relays.
 The board is connected via RS-485 to the camera module.

1092/706 Easy Dome IV Corner Adapter 1092/707 Easy Dome IV Pole Adapter

#### **KEYPADS**

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1092/694

Easy Dome IV, Thera 6 and Thera 7 Control Keypad

• 3-axis Joystick for PAN/TILT/ZOOM movements

• RS485 connection

 Max 255 controlled devices
 Wide display for configuration and control Power supply: 12VDC

Multi-function keypad

• 3-axis Joystick for PAN/TILT/ZOOM movements

• 2 RS485 connections for DVR and Easy Dome/Thera devices

• OSD menu - English language

• Can control up to 32 DVR of the ranges EVOLUTION-SN, SYSTEM, SYSTEM-SN, HYBRID

• Can control up to 255 devices • Power supply: 100 ~ 240Vac

1092/621

Thera series mini control keypad
The keypad 1092/621 controls Thera Mini dome Camera functions such as swing motion

(Pan/Tilt/Zoom) and automatic functions (Preset and Tour).

• Swivel and function controls: Through 30 keys and Joystick

Protocol: Pelco P- Pelco D
Serial interface: RS-485

Set laf Interface: KS-465
Baud Rate: 2400Bps, 4800 Bps, 9600, 19200 Bps
Max. no. of controlled devices: 255
Power supply: 12Vdc – 1A with supplied power unit
Consumption: 230mA
Dimensions: 90 (H) x 180 (W) x 165 (D) mm

COMPARATIVE CHART	1092/693	1092/694	1092/621
TECHNICAL FEATURES			
Number of axes	3	3	3
Joystick	YES	YES	YES
Communication interface	RS-485	RS-485	RS-485
OSD	YES	YES	YES
Display	LCD - 7segments - 16 cells	LCD - 7segments - 16 cells	2 lines – 16 digits
Protocols	Pelco D, Pelco P, proprietary	Pelco D, Pelco P, proprietary	Pelco D, Pelco P, proprietary
Baudrate	1200, 2400, 4800, 9600, 19200 bps	1200, 2400, 4800, 9600, 19200 bps	1200, 2400, 4800, 9600, 19200 bps
Max no. of controlled devices	Max 255	Max 255	Max 255
	Dome only	Dome and DVR	Dome only
GENERAL DATA			
Power supply:	12 Vdc – 1.5 A	12 Vdc – 2 A	12 Vdc – 1 A
MAX Consumption	5W	5W	430 mA
Dimensions (mm) (w x d x h)	318 x 180 x 118 mm	360 x 200 x 108 mm	180x165x90 mm
Operating temperature:	-10°C to 55°C	-10°C to 55°C	
Weight	1500 g	3300 g	800 g
ACCESSORIES			
Supply adaptor included	YES	YES	YES







# STANDARD SOLUTIONS **EASY DOME IV**



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#### MAIN FEATURES

- > HIGH ROTATION SPEED ON HORIZONTAL AND VERTICAL AXIS
- > SONY CAMERA MODULES
- > WALL OR CEILING BRACKETS
- > POWER BOX

The products of Urmet's Easy Dome range are ideal features include: cuttingedge technology, day&night

modules, zoom lenses with autofocus, control keypad, variable speed, horizontal and vertical swivel (PAN and TILT). The items of the Easy Dome range are compatible with all video surveillance systems. With DVR or DVS, they can be managed remotely via SW.



# STANDARD SOLUTIONS **EASY DOME IV**



1092/676



1092/700



1092/701



1092/703



1092/707



1092/677

#### **EASY DOME IV**

1092/676\*

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Easy Dome IV Day&Night camera module; 550TVL, 36x optical zoom (40x with Stable zoom function), Progressive scan, Autotracking, image stabiliser, WDR

• Sensor: Sony Exview 1/4" HAD

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- Sensitivity: 1.4 lux (F1.6, 1/50s 50 IRE)
- Horizontal resolution: 550 TVL
- OSD menu
  - Optical Zoom: 36x (f=3.4~122mm); 40x with Stable zoom function
  - Digital Zoom: 12x
  - Protection class: IP66 with Power Box
  - Power supply: 24Vdc/Vac ±10%; 50Hz

#### EASY DOME IV SERIES ACCESSORIES

1092/700

Easy Dome IV kit for indoor wall installation (with wall-mount bracket 1092/703), ceiling installation (with Kit 1092/704) or outdoor installation (with bracket 1092/703 and Power Box 1092/705)

The Kit can be used with any Easy Dome IV camera module and includes:

- Housing with thermostat and ventilation
- Dome
- Power unit: 24VAC/VDC ±10%: 50Hz

1092/701 Easy Dome IV Kit for false-ceiling installation

The Kit can be used with any Easy Dome IV camera module and includes:

- · Housing for false-ceiling installation
- Dome
- Power unit: 24VAC/VDC ±10%; 50Hz

Н 1092/703

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Easy Dome IV wall-mount bracket, compatible with Power Box

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Easy Dome IV camera wall-mount bracket. Can also be installed with Power Box 1092/705, corner adapters 1092/706 and pole adapters 1092/707.

1092/704

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Easy Dome IV ceiling-mount kit, compatible with Power Box

Easy Dome IV camera ceiling-mount bracket. Can also be installed with Power Box 1092/705.

#### **EASY DOME IV**

1092/677

Easy Dome IV Day&Night 27x with IR

- Sensor: Samsung + Sony II 1/4"
- Sensitivity: 0.2 Lux colour/ 0.02LuxB/W,F1.6 (50IRE)
- Horizontal resolution: 560 TVL colour /680 TVL B/W
- OSD menu
  - Optical Zoom: 27x (f=3.5 94.5mm);
- Digital Zoom: 16x • IR led 150m
- - Protection class: IP66

- Power supply: 24Vdc/Vac ±10%; 50Hz
- BRACKET INCLUDED

<sup>\*</sup> Please contact our sales network to verify product availability









## STANDARD SOLUTIONS **EASY DOME IV**

#### EASY DOME IV - THERA SERIES COMMON ACCESSORIES

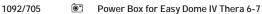
#### 1092/685 Additional alarm board (8In/10ut) for indoor installation

Remote board ready for RS-485 connection, allows use of 8 additional alarm inputs. Controls programmable alarm actions and Preset function on Easy Dome IV and Thera 7.

Controls Preset function only, on Thera 6.

External 12V-600mA power unit required (e.g., Urmet 1092/801).

Indoor metal housing.



Power Box is a unit with IP66 protection class, containing:

· 230Vac, 24Vac output power unit

 $\bullet$  quick-coupling power cables for connection to Thera 6 and Thera 7

· alarm board with 8 In for preset positioning and management and 2 Out for alarm relays. The board is connected via RS-485 to the camera module.

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1092/706 Easy Dome IV Corner Adapter

1092/707 Easy Dome IV Pole Adapter



1092/705

#### **EASY DOME IV**

#### 1092/678

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#### Easy Dome IV Day&Night 22x

- Sensor: Effio-A + Sony Exview 1/3" HAD
- Sensitivity: 0.2 Lux colour/ 0.02LuxB/W,F1.6 (50IRE)
- · Horizontal resolution: 650 TVL
- OSD menu
- Optical Zoom: 22x (f=4.7mm 103.4mm);
- Digital Zoom: 12x
- Protection class: IP66
- Power supply: 24Vdc/Vac ±10%; 50Hz
- BRACKET INCLUDED

#### EASY DOME IV - THERA SERIES COMMON ACCESSORIES

## 1092/685

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#### Additional alarm board (8In/10ut) for indoor installation

Remote board ready for RS-485 connection, allows use of 8 additional alarm inputs. Controls programmable alarm actions and Preset function on Easy Dome IV and Thera 7. Controls Preset function only, on Thera 6.

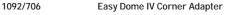
External 12V-600mA power unit required (e.g., Urmet 1092/801).

Indoor metal housing.

#### 1092/705 Power Box for Easy Dome IV Thera 6-7

Power Box is a unit with IP66 protection class, containing:

- 230Vac, 24Vac output power unit
- quick-coupling power cables for connection to Thera 6 and Thera 7
- alarm board with 8 In for preset positioning and management and 2 Out for alarm relays The board is connected via RS-485 to the camera module.



1092/707 Easy Dome IV Pole Adapter



1092/678





# STANDARD SOLUTIONS EASY DOME IV

COMPARATIVE CHART	1092/676 (with 1092/700)	1092/677	1092/678
TECHNICAL FEATURES			
Camera module	Sony Exview 1/4" HAD	Samsung + Sony II 1/4"	Effio-A + Sony Exview 1/3" HAD
Progressive scan	960H 1024(H)x582(V) pixel	NO	NO
Sensitive elements (px)	Approx. 440,000 pixels	Approx. 440,000 pixels	Approx. 440,000 pixels
Sensitivity (lux)	1.4 lux (F1.6, 1/50s 50 IRE)	0.2 Lux colour/ 0.02LuxB/W,F1.6 (50IRE)	0.2 Lux colour/ 0.02LuxB/W,F1.6 (50IRE)
TVL Horizontal resolution	550TVL	560 TVL colour /680 TVL B/W	650TVL
Signal/noise ratio (dB)	>50dB	>50dB	>50dB
Synchronization	Internal	Internal	Internal
Day/Night	YES	YES	YES
IR LED/range	NO	YES 150m	NO
Optical Zoom	36x (f=3.4~122mm)	27x (f=3.5 - 94.5mm)	22x (f=4.7mm - 103.4mm)
Digital Zoom	12x	16X	12X
Horizontal axis travel	360° (continuous)	360° (continuous)	360° (continuous)
Movement speed (hor) manual/°sec.	0.5°-300°/s var.	0.1°-180°/s var.	0.1~240°/S
Movement speed (vert.) manual/°sec.	0.5°-120°/s var.	0.1°-120°/s var.	0.1~100°/S
Movement speed (hor.) in Preset/°sec.	400°/s	240°/s	300°/s
Proportional movement speed	Can be enabled	Automatic	Automatic
Auto flip	YES	YES	YES

FUNCTIONS			
Dynamic Privacy zones	8	8	NO
Overlay image on privacy zones	YES	NO	NO
OSD menu	YES	YES	YES
Smart back light compensation (WDR)	YES	NO	NO
Electronic stabiliser	YES	YES	YES
Timer for managing time ranges	YES	NO	NO
Number of Preset	256	256	256
Number of programmable Preset	219	128	128
Number of areas that can be user-defined	8	8	8
Vector Scan function (Sequences of functions and Preset that can be activated)	6 Vector Scan x 16 functions	7	7
Pattern function (paths that can be stored)	3 (up to 120 seconds each)	7	6
Autotracking function (automatic tracking of a target)	YES	NO	NO

Continuous >









		6	5
	1092/676 (with 1092/700)	1092/677	1092/678
FUNCTIONS			
Auto Scan function (360° horizontal movement)	YES	YES	YES
Random Scan function (random horiz. movement through 360°)	YES	NO	NO
Frame Scan function (programmed horizontal movement between two points)	YES	YES	YES
Preset titles	YES	YES	YES
Supported protocol	RS-485; PELCO D	RS-485; PELCO D	RS-485; PELCO D
Alarm In-Out	8In/10ut (included in Power Box)	8In/10ut (included in Power Box)	8In/10ut (included in Power Box)
Remote alarm In-Out	8In/10ut	8ln/10ut	8In/1Out
Alarm actions	"Vector Scan-Pattern-Auto Scan-RandomScan-Frame Scan- Preset"	Vector Scan-Pattern-Preset	Vector Scan-Pattern-Preset
Compatibility with additional alarm board Sch 1092/685)	YES	YES	YES
Functions supported with additional alarm board	YES 8 Presets for alarms	YES 8 Presets for alarms	YES 8 Presets for alarms
GENERAL DATA			
Video output	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm	composite output 1 Vpp, 75 Ohm
Power supply	24Vdc/Vac ±10%; 50Hz	24Vdc/Vac ±10%; 50Hz	24Vdc/Vac ±10%; 50Hz
Standard power unit supplied	YES	YES YES	YES
Compatible Power Box	1092/705 (with alarm board)	1092/705 (with alarm board)	1092/705 (with alarm board)
Consumption	20W	15W	12W
Operating temperature	-10-50°c"	-30-60°C	-30-60°C
Dimensions (W x D)	180 x 282 mm	310 x 220 mm	300 x 200 mm
Weight	3.5 kg	5 kg	3 kg
IP protection class	IP66	IP66	IP66
Use	Indoor/outdoor	Indoor/outdoor	Indoor/outdoor
ACCESSORIES			
Power Box	1092/705	1092/705	1092/705
Keypad	All	AII	All
Wall bracket	1092/703	NO	NO
Ceiling-mount bracket	1092/704	NO	NO
False-ceiling	1092/701	NO	NO
Corner/pole adapters	1092/706 - 1092/707	1092/706 - 1092/707	1092/706 - 1092/707

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# STANDARD SOLUTIONS MONITORS

#### **MAIN FEATURES**

- > WRIST MONITOR: USEFUL TOOL DURING INSTALLATIONS
- > LCD AND LCD LARGE SIZE: A RANGE OF SOLUTIONS FOR DIFFERENT VISUALISATION REQUIREMENTS
- > AUDIO INPUTS (DEPENDING ON THE MODELS)
- > HDMI INPUT (DEPENDING ON THE MODELS)



Professional and convenient products that are easy to install and use.



A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.



Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.





SEGMENTS/PROD	DUCTS				
		Page No.	ENTRY LEVEL	FULL LEVEL	HIGH PROFILE
AT.	WRIST LCD	200	1092/400		
	LCD	200	1092/401B 1092/407 1092/419B		
	LCD	201	1092/421 1092/427		

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SAMBOL KEA				
E	Entry Level			
F	Full Level			
Н	High Profile			
SYMBO	)L KEY			
	Inches			
full HD	Full HD			

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# STANDARD SOLUTIONS **MONITORS**





1092/401B



1092/407



#### 1092/400

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#### 2.5" LCD wrist monitor

- Video inputs: 1 female Mini Jack (with BNC adapters)
- Power input w/male Mini Jack (for power supply and battery charging)
- Resolution: 480 x 234
  - Weight: 90 g

  - Adjustments: brightness and colour

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- Power adapter: Input 100~240 Vac Output 5V/1A
  Dimensions: 85(L) x 64(H) x 21(D) mm

#### 9.7" (4:3) TFT LCD Monitor 1092/401B

- LCD display: 10.1" TFT
- Resolution: 1024 x 768
- Supported resolution: up to 1280 x 1024
- Video input: 1 BNC composite video signal 1.0Vpp 75 0hm
- Audio input: 1 RCA
  - Contrast ratio: 1000 : 1
  - Brightness: 600 cd/sq m
  - Dimensions: 245 (W) x 165 (H) x 35 (D) mm (without bracket)
  - Weight: 0.618 kg

#### 1092/407 \* 17" TFT LCD VGA Monitor

- LCD display: 17" TFT
- Resolution: 1280 x 1024
- Audio input: 2 loudspeakers 2.5 W
- Contrast: 500 : 1
- Brightness: 400 cd/sq m
- Dimensions: 380 (W) x 382 (H) x 190 (D) mm
- Weight: 5.8 kg

#### 19.5" FULL HD (16:9) LED Monitor 1092/419B

- LCD display: 19.5" LED (16:9)Resolution: 1920 x 1080
- VGA video input
- HDMI video input
- Contrast: 1000 : 1
- Brightness: 250 cd/sq m

- Dimensions: 468 (W) x 293 (H) x 25 (D) mm
- Weight: 4.9 kg

<sup>\*</sup> Please contact our sales network to verify product availability



1092/419B







#### MONITOR

#### 1092/421

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full HD

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full HD

1092/427

#### 21" FULL HD (16:9) LED LCD Monitor

- LCD display: 21" TFT (16:9)
- Resolution: 1920 x 1080
- Video input: 2 BNC comp video signal 1.0Vpp  $75\Omega$

- VGA video input HDMI video input
- HDMI video input
  Loop-through composite video output: 2 BNC
  Audio input: 2 loudspeakers 2.5 W
  Contrast: 700: 1
  Brightness: 300 cd/sq m
  Dimensions: 340 x 540 x 136 mm
  Weight: 4.9 kg



- LCD display: 27" TFT (16:9)
- Resolution: 1920 x 1080
- Video input: 2 BNC comp video signal 1.0Vpp  $75\Omega$
- VGA video input
- HDMI video input
- Loop-through composite video output: 2 BNC
- Audio input: 2 loudspeakers 2.5 W
- Contrast: 700 : 1
- Brightness: 300 cd/sq m • Dimensions: 382 x 540 x 136 mm
- Weight: 5.9 kg



1092/421



1092/427







# STANDARD SOLUTIONS MONITORS

	PRIC		
COMPARATIVE CHART	1092/400	1092/401B	1092/419B
TECHNICAL FEATURES			
LCD display	2.5" TFT	10.1" TFT (4:3)	19.5" TFT (16:9)
Response time	8 ms	4 ms	5 ms
Resolution in Pixels	480 x 234	1024 x 768	1920 x 1080
Pixel dimension	0.264 x 0.264	0.264 x 0.264	0.264 x 0.264
Colour display	16.7 million	16.7 million	16.7 million
Contrast ratio	150 : 1	1000 : 1	1000 : 1
Brightness	250 cd/m2	600 cd/m2	250 cd/m2
View angle	-10°÷+30° horizontal -45°÷+45° vertical	90° horizontal 90° vertical	170° horizontal 160° vertical
Video standard	PAL	PAL /NTSC	PAL /NTSC
Horizontal frequency	16,625Hz	31 ÷ 65KHz	31 ÷ 65KHz
Refresh speed - vert.	50Hz	56 ÷ 75 Hz	56 ÷ 75 Hz
Audio input	NO	Jack	Jack
Audio output	NO	Jack	NO
Composite video input	1 comp video signal 1.0Vpp 75Ω Mini Jack	1 comp video signal 1.0Vpp 75Ω Mini Jack	NO
Composite loop-through video output	NO	NO	NO
VGA input	NO	YES	YES
HDMI Input	NO	YES	YES
Front/side controls	On/Off – Bright. – Col	On/Off - OSD Menu - Selection keys	On/Off - OSD Menu - Selection keys
GENERAL DATA			
Power supply	5V – 1A	12V – 1A	12V – 3A
Supply adaptor	100÷240V~0.15A, 50/60Hz	100÷240 V ~ 1A, 50/60Hz	100÷240 V ~ 4A, 50/60Hz
Operating temperature range	-10°C to +45°C	0°C to +40°C	0°C to +40°C
Storage temperature	-30°C to +60°C	-25°C to +60°C	-25°C to +60°C
Dimensions (mm)	85 x 64 x 21 mm	165 x 245 x 35 mm	468 x 293 x 25 mm
Weight	90 g	0.618 kg	2.5 kg
	· · ·		
ACCESSORIES			



Wall mount bracket

Remote control

202

urmet

NO

NO



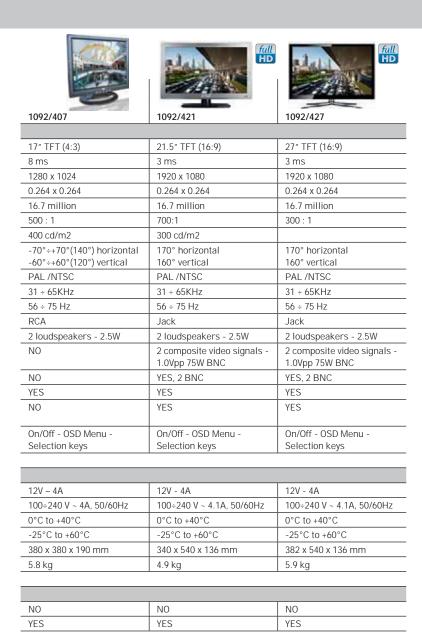
NO

NO

NO

NO





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# SURVEILLANCE ISYSTEMS

CAMERA UNITS DVR INSTALLATION ACCESSORIES

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# FULL HD OVER COAXIAL CABLE. THE EVOLUTION OF THE SPECIES

# Premium security solutions for building and personal protection with a technology easy to install and to use.

IT is a widely known fact that video applications have become crucially important for traffic management, the healthcare industry, industrial process control and video surveillance. In particular, the latter has become a strategic node for the main active security applications.

Therefore, the definition of the video image is important both in terms of perceived quality and in terms of global system performance.

So far, high definition has been associated with IP cameras, which are not always suitable for all applications due to intrinsic

costs (product / network architecture) and, above all, because specific skills are required for their installation, configuration and use.

Today, HD-SDI technology allows you to transmit and record FULL-HD quality (1080p) images even based on an analogue infrastructure. No specialist knowledge of telematic networks required, unmatched system performance, zero latency, quick and easy installation, low access costs and top video quality. These, in summary, are the main advantages of the new HD-SDI solutions.

#### WHY CHOOSE AN HD-SDI SOLUTION

- > High resolution
- Full HD uncompressed 25 fps video resolution
- No image degradation

- > Simple installation
- Transmission over coaxial cable
- IP Configuration not required

> Zero latency











## THE ADVANTAGES

The HD-SDI standard, commonly used for the transmission of high-definition images by television networks, combines the shooting and recording quality of the Full HD standard with the reliability of coaxial cable wiring.

#### High definition in video surveillance and video recording

Urmet HD-SDI cameras produce Full HD (1920x1080p) images in real time (25 fps). DVR units can record Full-HD images on all channels (in real time for all the video channels for some models)

#### No quality degradation and zero latency

With the HD-SDI technology the video signal is not compressed by any codec. The image is not deteriorated or compromised featuring very high definition for the smallest details at a transmission speed with zero latency.

#### Use of analogue infrastructure with a coaxial cable

HD-SDI devices are installed and used in a similar way to conventional devices not requiring, therefore, any specialist knowledge on the part of the installer. The coaxial cable is used for transmission of video signals. It must necessarily have good quality characteristics and transmission distances depend on the characteristics of the infrastructure. The use of signal repeaters further extends the capability of HD-SDI technology, allowing you to double or triple transmission distances.

#### Configuration: no problem with the configuration over IP

The HD-SDI technology allows you to overcome difficulties related to system network configuration. The installation is easier, faster and the perceived quality is immediate, without the need for several calibrations for the necessary setting up.

GENERAL CATALOGUE 2015/2016



# HD-SDI SOLUTIONS CAMERA UNITS

#### **MAIN FEATURES**

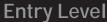
- > INDOOR AND OUTDOOR SOLUTIONS
- > ADVANCED FUNCTIONS
  (PRIVACY ZONE AND MOTION DETECTION)
- > ABSOLUTE IMAGE QUALITY
- > EASE OF USE (OSD MENU)
- > SMART IR

A complete range with high definition, no quality degradation and zero latency, featuring the following types of devices:

- Box cameras
- Compact cameras
- Mini dome cameras



Professional and convenient products that are easy to install and use.





A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.





Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

208 Urmet





Full HD 1080p video over coaxial cable: a technological and operational revolution. Urmet's HD-SDI new range offers absolute image quality and unprecedented standards of reliability.

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The product range is suitable for any type of application and includes indoor and outdoor camera units, accessories and DVR. If you ask for the best, Urmet is the answer.

SYMBOL KEY

E Entry Le

F Full Leve

H High Profile

TVL Resolution

Power supply

Lens

os es

SEGMENTS/PRODUCTS					
		No. Page	ENTRY LEVEL	FULL LEVEL	HIGH PROFILEL
	BOX CAMERA	211			1093/300
	COMPACT CAMERAS	212			1093/302A 1093/308
	VARIFOCAL LENS MINI DOME CAMERAS AND BALL CAMERAS	213/216			1093/311 1093/600

ACCESSORIES	
	Page No.
Bracket	213



# HD-SDI SOLUTIONS CAMERA UNITS





- > 1/3" 2.1 MEGAPIXEL CMOS SENSOR
- > PROGRESSIVE SCAN
- > VIDEO OUTPUT 1 IN HD-SDI 1080P 1 IN COMPOSITE VIDEO VP-P
- > SIGNAL/NOISE RATIO > 50 dB
- > RESOLUTION 1080P@25HZ FULL HD
- > SMART IR CONTROL
- > IR CUT FILTER

Full HD 1080p video over coaxial cable: a technological and operational revolution. Urmet's HD-SDI new range offers absolute image quality and unprecedented standards of reliability. The product range is suitable for any type of application and includes indoor and outdoor camera units, accessories and DVR. If you ask for the best, Urmet is the answer.







#### **BOX CAMERA**

#### 1093/300



-ф-1080Р

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Full HD-SDI Day&Night camera, and OSD menu

- Sensor: 1/2,7" 2.1 Megapixel CMOS
- Minimum sensitivity: 1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
   Horizontal resolution: 1080P (1092 x 1080) FULL HD @ 25Hz

**(** 

- Video output HD-SDI 1080p
- Composite video output 1 Vpp, 75 Ohm (service)
- OSD menu
  Back Light Compensation: OFF/ON/AUTO
  DDNR (Dynamic Noise Reduction)
  WDR (real Wide Dynamic Range)

- 8 Privacy Zones DSS (Digital Slow Shutter)

- IR SMART function
- Lens shading
- Motion Detector
- Power supply: 12Vdc
- Consumption: 170mA
- Dimensions: 117 x 71 x 60mm
- Recommended power unit: 1092/801



1093/300





# **HD-SDI SOLUTIONS CAMERA UNITS**

#### **COMPACT CAMERAS**

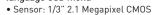
#### 1093/302A\* 🖲

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ф.

1093/308

#### 1/3" 5-50mm compact Full HD-SDI Day&Night camera with IR LED, IR Cut Filter and Multilanguage OSD menu



- Sensitivity: 1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
- Lens: 5-50mm
- Horizontal resolution: 1080P (1092 x 1080) FULL HD @ 25Hz
- Video output HD-SDI 1080p
- Composite video output 1 Vpp, 75 Ohm (service)
- Multi-language OSD menu
- Number of LED units: 42 very high efficiency units
- IR LED range: 44 m
- Back Light Compensation: OFF/ON/AUTO
- DWDR (Digital Wide Dynamic Range)
- 32 programmable Privacy Zones
- DSS (Digital Slow Shutter)
- IR SMART function
- Lens shading
- Motion Detector
- Protection class: IP66
- Power supply: 12Vdc
- Consumption: 510mA
- Dimensions ( x L): 114x348 mm
- Bracket included
- Recommended power unit: 1092/801



1093/308

1093/302A

#### 1/3" compact Full HD-SDI Day&Night camera with 2.8-12mm lens, IR LED, IR Cut Filter and OSD menu

- Sensor: 1/2,7" 2.1 Megapixel CMOS
- Sensitivity: 1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
- Lens: 2.8-12mm
- Horizontal resolution: 1080P (1092 x 1080) FULL HD
- Video output HD-SDI 1080p
- Composite video output 1 Vpp, 75 Ohm (service)
- OSD menu
- Number of LED units: 36
- IR LED range: 27 m
- Back Light Compensation: OFF/ON/AUTO
- DWDR (Digital Wide Dynamic Range)
- Defog function
- DSS (Digital Slow Shutter)
- IR SMART function
- SMART ZOOM
- Motion Detector
- Protection class: IP66
- Power supply: 12Vdc
- Consumption: 350mA
- Dimensions ( x L): 62x150 mm
- Bracket included
- Recommended power unit: 1092/801



urmet





<sup>\*</sup> Please contact our sales network to verify product availability



### MINI DOME CAMERAS

### 1093/311

1/3" day&night VANDAL RESISTANT mini dome camera with 2.8-12mm lens and IR LED, IR Cut Filter and OSD menu

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- Sensor: 1/2,7" 2.1 Megapixel CMOS
- Sensitivity: 1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
- Lens: 2.8-12mm
- Horizontal resolution: 1080P (1092 x 1080) FULL HD
- Video output HD-SDI 1080p
- Composite video output 1 Vpp, 75 Ohm (service)
- OSD menu
- Number of LED units: 30

- IR LED range: 25 m
- Back Light Compensation: OFF/ON/AUTO
- DWDR (Digital Wide Dynamic Range)
- Defog function
- DSS (Digital Slow Shutter)
- IR SMART function
- SMART ZOOM
- Motion Detector
- Protection class: IP66
- Power supply: 12Vdc
- Consumption: 300mA
- Dimensions ( x L): 152x102 mm
- Recommended power unit: 1092/801



1093/311









1092/147



Bracket for vandal resistant Dome camera 1092/271, 1093/311 and 1093/173M2



1092/147



# HD-SDI SOLUTIONS CAMERA UNITS

COMPARATIVE CHART	1093/300	1093/302A
TECHNICAL FEATURES		
Sensor type:	1/2.7" 2.1 Megapixel CMOS	1/3" 2.1 Megapixel CMOS
Sensitive elements:	1944(H) X 1092(V)	1944(H) X 1092(V)
Sensitivity:	1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)	1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
Resolution:	1080P (1092 x 1080) FULL HD @ 25Hz	1080P (1092 x 1080) FULL HD @ 25Hz
Lens:	-	Varifocal f5-50mm
S/N ratio:	> 50dB	> 50dB
Synchronisation:	Internal	Internal
Number of LEDs:	-	42 (very high efficiency)
IR LED range/opening angle:	-	44m / 10/45°
Shutter control	AUTO - 1/25 ÷ 1/50,000 sec - FLK - X2 ÷ X60	AUTO - 1/25 ÷ 1/50,000 sec - FLK - X2 ÷ X60

FUNCTIONS			
White balancing (AWB):	Adjustable	Adjustable	
Back Light Compensation (BLC)	Adjustable	Adjustable	
Gain control (AGC)	Adjustable	Adjustable	
IR CUT filter:	NO	YES	
DNR:	YES	YES	
DSS	YES	YES	
OSD menu	YES	YES (Multi-language)	
Other functions	IR SMART - LSC - DWDR - SENS- UP	IR SMART - LSC - DWDR - SENS- UP	

GENERAL DATA			
Video output:	Video output HD-SDI 1080p composite output 1 Vpp, 75 0hm (service)	Video output HD-SDI 1080p composite output 1 Vpp, 75 0hm (service)	
Power supply:	12 VDC	12 VDC	
Consumption	170 mA	510 mA	
Operating temperature:	-10-50°C	0-50°C	
Storage temperature	-30-60°C	-30-60°C	
Dimensions (Ø x L)	117 x 71 x 60 mm	114 x 348 mm	
Weight:	425 g	1600 g	
IP protection class:	-	IP66	
Fairlead bracket		YES	
Use:	Indoor/outdoor with housing	Indoor/outdoor	

ACCESSORIES		
Power unit	1092/801	1092/801
Illuminators - brackets and housings	see accessories	

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	PM
1093/308	1093/311
1/2.7" 2.1 Megapixel CMOS	1/2.7" 2.1 Megapixel CMOS
2010(H) X 1108(V) = 2.2Megapixel	2010(H) X 1108(V) = 2.2Megapixel
1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)	1 Lux colour ÷ 0.5 Lux B/W ÷ 0.02 Lux (Sens-up x60)
1080P (1092 x 1080) FULL HD	1080P (1092 x 1080) FULL HD
Varifocal f2.8-12mm	Varifocal f2.8-12mm
> 50 dB	> 50 dB
Internal	Internal
36	30
27m / 60°	25m / 60°
AUTO - 1/25 ÷ 1/50,000 sec	AUTO - 1/25 ÷ 1/50,000 sec
Adjustable	Adjustable
Adjustable	Adjustable
Adjustable	Adjustable
YES YES	YES
YES	YES
YES	YES
IR SMART - SMART ZOOM - DWDR -	IR SMART - SMART ZOOM - DWDR -
SENS-UP - DEFOG	SENS-UP - DEFOG
Video output HD-SDI 1080p composite output 1 Vpp, 75 Ohm (service)	Video output HD-SDI 1080p composite output 1 Vpp, 75 Ohm (service)
12 VDC	12 VDC
350 mA	300 mA
-10-50°C	-10-50°C
-30-60°C	-30-60°C
62 x 150 mm	152 x 102 mm
680g	700 g
	ID//
IP66	IP66
IP66 YES	YES

1092/801

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1092/801



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# **HD-SDI SOLUTIONS CAMERA UNITS**



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### **EASYDOME HD-SDI**

### 1093/600 🖭

### Easy Dome HD-SDI Day&Night 20x with IR

- Sensor: Sony Exview1:2.8" Exmor CMOS Sensitivity: 0.1 lux (F1.35, 1/50s 50IRE)
- Maximum horizontal resolution: 2.1 Megapixel
  OSD menu
- Optical Zoom: 20X, f=4.7mm 94.0mm ( F1.6 F3.5)
- Digital Zoom: 10x
- IR illumination: LED Array, with varifocal lens and pre-focus lens
- Automatic switch-on of the IR LEDs programmable via OSD menu
- Maximum IR range: 150m
- HD-SDI video output
- Protection class: IP66
- Power supply: 12Vdc/5A; 50/60Hz (power unit supplied)





COMPARATIVE CHART	1093/600
TECHNICAL FEATURES	
Camera module	Sony Exview 1:2.8" type Exmor CMOS
Progressive scan	NO
Sensitive elements (px)	Approx. 440,000 pixels
Sensitivity (lux)	0.1 Lux colour/ 0.05LuxB/W,F1.6 (50IRE)
TVL Horizontal resolution	720P/25fps - 720P/50fps - 1080I/50fps - 1080P/25fps
Signal/noise ratio (dB)	> 50dB
Synchronization	Internal
Day/Night	YES
IR LED	YES
Optical Zoom	20X, f = 4.7mm to 94.0mm
Horizontal axis travel	360° (continuous)
Movement speed (hor) manual/°sec.	0.1°-180°/s var.
Movement speed (vert.) manual/°sec.	0.1°-180°/s var.
Movement speed (hor) in Preset/°sec.	240°/s
Proportional movement speed	Automatic
Auto flip	YES

FUNCTIONS	
Dynamic Privacy zones	8
Overlay image on privacy zones	NO
OSD menu	YES
Smart back light compensation (WDR)	NO
Electronic stabiliser	YES
Timer for managing time ranges	NO

Continuous >











Number of Preset	256
Number of programmable Preset	128
Number of areas that can be user-defined	8
Vector Scan function (Sequences of functions and Preset that can be activated)"	6
Pattern function (paths that can be stored)	7
Autotracking function (automatic tracking of a target)	NO
Auto Scan function (360° horizontal movement)	YES
Preset titles	YES
Supported protocol	RS-485; PELCO D
Alarm In-Out	8In/10ut (included in Power Box)
Remote alarm In-Out	8ln/10ut
Alarm actions	Vector Scan-Pattern-Preset
Compatibility with additional alarm board Sch 1092/685)	YES

GENERAL DATA		
Video output	HD-SDI	
Power supply	12 or 24Vdc/Vac ±10%; 50Hz	
Standard power unit supplied	YES	
Compatible Power Box	NO	
Consumption	20W	
Operating temperature	-30-60°C	
Dimensions (W x D)	310 x 220 mm	
Weight	5 kg	
IP protection class	IP66	
Use	Indoor/outdoor	

•

ACCESSORIES	
Power Box	1092/705
Keypad	All
Wall bracket	NO
Ceiling-mount bracket	NO
False-ceiling	NO
Corner/pole adapters	1092/706 - 1092/707





# HD-SDI SOLUTIONS PROGRESS 2.0 SERIES DVR

### **MAIN FEATURES**

- > PROFESSIONAL INTEGRATED SOLUTIONS
- > MANAGEMENT AND MONITORING SOFTWARE
- > CENTRALISED VIDEO MONITORING SYSTEM AND NETWORK RECORDING

A comprehensive range, suitable for all applications:

- Innovative devices using a Compatible with the single supervision client SW. operating systems of the
- Data management in mixed, analogue or digital mode, with the Hybrid series.
- Remote management control.
- Compatible with the operating systems of the most popular smartphones on the market.





Professional and convenient products that are easy to install and use.





A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.



Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.







Full HD 1080p video over coaxial cable: a technological and operational revolution.
Urmet's HD-SDI new range offers absolute image quality and unprecedented standards of reliability.

The product range is suitable for any type of application and includes indoor and outdoor camera units, accessories and DVR. If you ask for the best, Urmet is the answer.

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SYMBOL KEY

E Entry Le

F Full Lev

High Profile

### SEGMENTS/PRODUCTS

	Page No.	FULL LEVEL	HIGH PROFILE
4-CH SDI DVR	221		1093/504A
8-CH SDI DVR	221		1093/508A
16-CH SDI DVR	221		1093/516A

### ACCESSORIES

	Page No.
Converter/Repeater	223

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# VIDEO MANAGEMENT HD-SDI PROGRESS 2.0 DVR



HD-SDI technology allows you to transmit and record FULL-HD quality (1080p) images even based on analogue infrastructure. No specific skills required in telematic networks are required to obtain unmatched

system performance, zero latency, quick and easy installation, low access costs and top video quality. DVR units can record Full-HD images on all channels (in real time for all video channels for some models). Urmet is the answer.

- > VIDEO COMPRESSION ALGORITHM H.264 WITH 1080P RESOLUTIONS
- > URMET DDNS ACCOUNT CONFIGURATION THROUGH ID
- > P2P CONFIGURATION
- > MAX NO.2 SATA HDD

- > 1 HDD INCLUDED
- > ALARM WARNING VIA E-MAIL
- > SELF-MAINTENANCE MODE
- > POSSIBILITY OF DATA ENCRYPTION ON THE WEB
- > CLIENT SOFTWARE INCLUDED IN SUPPLY

### **COMMON FEATURES**

- > FULL SCREEN AND MULTI-SCREEN VIEW
- > SELECTABLE RECORDING SPEED
- > RECORDING MODES: CONTINUOUS, MOTION DETECTION, PROGRAMMED OR ALARMED
- > MOTION DETECTOR
- > MULTIPLE OR SINGLE RECORDING WITH PROGRAMMABLE DURATION
- > RECORDING RESOLUTION WD1
- > BNC/VGA/ HDMI VIDEO OUTPUT
- > POSSIBILITY OF REMOTE CONNECTION VIA SW, WEB BROWSER, MOBILE PHONE/PD WITH ANDROID, IPHONE.
- > REMOTE RECORDING BACK-UP VIA TCP/IP
- > RS-485 COMMUNICATION PORT
- > RJ45 10/100M NETWORK INTERFACE
- > ALARM MANAGEMENT

- > WATERMARK
- > LINUX OPERATING SYSTEM
- > USB2.0 PORTS FOR CONNECTING A MOUSE OR FOR BACKUP AND UPGRADE PURPOSES.
- > LOADING AND SAVING DVR SETUP BY MEANS OF USB PENDRIVE
- > FRONT CONTROL PANEL
- > REMOTE CONTROL FOR CONTROL AND MANAGEMENT
- > SUPPORTS ZOOM IN/OUT FUNCTION AND CYCLED FUNCTION
- > TRANSMISSION OF MAIN STREAM
  AND SUB STREAM ON THE NETWORK
- > PTZ CONTROLS VIA RS-485
- > MULTI-LANGUAGE MENU (OSD)
- > P2P

- > URMET DDNS
- > UVS SW INCLUDED







### DVR 1093/504A 🖭 Full HD Real time 4-channel DVR of the HD-SDI series 4 BNC input channels • 4 inputs / 1 audio output (RCA) 1 VGA output/ 1 HDMI output Recording resolution: 1080P (1920x1080) Recording speed: 100fps@1080P 4 inputs / 1 alarm output Synchronised playing of 4ch 2TB HD included Dimensions: 380 (W) x 53 (H) x 340 (D) mm Н • Power supply: 12Vdc -5A (power unit supplied) 1093/508A 🖭 Full HD Real time 8-channel DVR of the HD-SDI series • 8 BNC input channels 8 inputs / 1 audio output (RCA) 1 VGA output / 1 HDMI output Recording resolution: 1080P (1920x1080) Recording speed: 200fps@1080P 8 inputs / 1 alarm output • Synchronised playing of 8ch • 2TB HD included • Dimensions: 380 (W) x 53 (H) x 340 (D) mm Н • Power supply: 12Vdc -5A (power unit supplied) 1093/516A 🖭 Full HD Real time 16-channel DVR of the HD-SDI series • 16 BNC input channels 8 inputs / 1 audio output (RCA) 1 VGA output / 1 HDMI output Recording resolution: 1080P (1920x1080) • Recording speed: 240fps@1080P/400fps@720P 8 inputs / 1 alarm output Synchronised playing of 16ch 2TB HD included • Dimensions: 380 (W) x 53 (H) x 340 (D) mm Н • Power supply: 12Vdc -5A (power unit supplied)

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1093/504A



1093/508A



221



# **VIDEO MANAGEMENT HD-SDI PROGRESS 2.0 DVR**

			-11111 (2006)
FUNCTION	1093/504A	1093/508A	1093/516A
Compression formats		Video: H.264 / Audio: 8kHz*16bit ADPC	М
Video inputs/outputs	4-CH with BNC input / 1CH for VGA output 1CH for HDMI output	8-CH with BNC input / 1 CH for VGA output 1CH for HDMI output	16-CH with BNC input / 1 CH for VGA output 1CH for HDMI output
Audio I/O	"4-CH for RCA input / 1-CH for RCA output"	8-CH RCA input/ 1-CH RCA output	
Screen resolution/Frame rate		1080P: 1920×1080@25fps per channe	l
Recording resolution		Mode 1080P (1920x1080)	
Recording frame rate	100fps@1080P	200fps@1080P	240fps@1080P/400fps@720P
Recording mode	Always/Time	d/Manual/Motion detection/Sensors/ E	xternal alarms
Sub Stream		CIF@ No Real-Time	
Hard Disk Interface		Max. 2 SATA HDD	
Video backup memory		2000 GB Hard Disk (default)* USB unit	
Playing mode		PLAY /SLOW /FWD/Frame by Frame	
Synchronised playing	4 ch.	8 ch.	16 ch.
Watermark		YES	
Data encryption on Web		YES	
Web / Client Multi-language Software	Supports Internet Explorer Version 11.0 for Windows 7/8 and Safari Version 6.0 or higher for MAC 10.8.0 or higher, Urmet UVS client is supported		
Alarm I/O	"4-CH alarm inputs, 1CH alarm output"	8-CH alarm inputs	, 1-CH alarm output
Types of alarm	Motion / External alarms/	Input alarms/video signal missing/ hard	d disk space/hard disk error
Maximum number of PCs that can be connected at the same time	3		
Software for PDA and/or mobile phones		iOS, Android	
PTZ control	Via R	RS485 using PELCO-D and PELCO-P pro	otocols
USB 2.0 Port	Supports mouse		
Ethernet		Self-adaptive interface RJ-45 10M/100N	1B
Network protocols	TCP/IP	, DHCP, UDP, Urmet DDNS with ID, P2F	P, PPP0E
Absorption		15W	
Power supply		12V/5A	
Operating temperature range		5°C – 40°C	
Dimensions (width x height x depth)		380x50x340 mm	
Weight		~4 ka	











# **HD-SDI SOLUTIONS** CONVERTER/REPEATER





### MAIN FEATURES

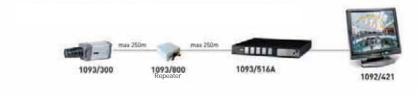
> HD-SDI-HDM CONVERTER AND SIGNAL REPEATER

1093/800

Converter / repeater

### SIGNAL REPETITION FOR DISTANCE INCREASE

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### **BNC-HDMI CONVERSION**



### CERTIFIED REACHABLE DISTANCES

The choice of the transmission cable plays a role as important as the	System layout	Outer diameter	Certified distance for HD-SDI transmission (Full-HD)
selection of products. For high quality performance Urmet recommends to pay utmost attention to coaxial cable performance. The distances shown in the table have been certified with HD series cables.	Coaxial cable	3.3 mm	80 m
	Coaxial cable	5 mm	170 m
	Coaxial cable	7.5 mm	250 m







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# VIDEO SURVEILLANCE Ahd systems

**CAMERA UNITS** DVR

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# AHD SOLUTIONS THE RANGE

### **MAIN FEATURES**

- > A COMPREHENSIVE RANGE, SUITABLE FOR ALL APPLICATIONS
- > JUST ONE SW PLATFORM AND APP FOR MANAGEMENT AND SUPERVISION
- > HYBRID DVR TO MANAGE ANALOGUE VIDEO AND AHD STREAMS AT THE SAME TIME THROUGH THE NETWORK

# **Analog High Definition**

AHD means Analogue High Definition and identifies a new technology based

on high-definition video transmission through coaxial cable



Professional and convenient products that are easy to install and use.





A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.





Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.







# THE ADVANTAGES

### The key advantages of AHD are as follows:

### High resolution:

using AHD devices you can achieve a resolution of 1280x720p with an image quality suitable to any system requirements.

### Transmission distance:

the coaxial cable, with 750hm impedance, is used for transmitting the video signals and transmission distance is up to 500m (with progressive signal degradation)

### Zero latency:

the cameras transmit video streams with no compression by any codec. This means that the result is a high definition image with zero latency.

### Configuration:

AHD devices are installed and used in a similar way to conventional devices not requiring any specialist knowledge on the part of the installer.

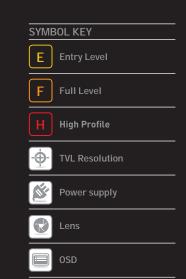
### Compatibility

AHD DVRs are compatible with analogue cameras and this promotes renewal of CCTV products of existing systems.

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SEGMENTS/PRODUCTS				
	No. Page	ENTRY LEVEL	FULL LEVEL	HIGH PROFILEL
CAMERAS	229	1092/250 1092/251 1092/270 1092/272 1092/271		
DVR	233	1093/524 1093/525 1093/526 1093/527 1093/528		

ACCESSORIES	
	No. Page
Bracket	229



# **AHD SOLUTIONS CAMERA UNITS**



Analogue video surveillance AHD video surveillance

1920x1080 FPS:30

### MAIN FEATURES

- > 1/3" 2.1 MEGAPIXEL CMOS SENSOR
- > 720P RESOLUTION
- > SHUTTER CONTROL
- > IR CUT FILTER







### CAMERAS

### 1092/250









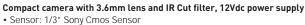












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- Minimum sensitivity: 0.03 Lux F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc Lens included





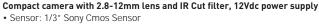












- Minimum sensitivity: 0.03 Lux F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc Lens included





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- Sensor: 1/4" OV Sony Cmos Sensor • Minimum sensitivity: 0.02 Lux F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc Lens included





### Ball camera with 2.8-12mm lens and IR Cut filter

- Sensor: 1/3" Sony Cmos Sensor
- Minimum sensitivity: 0.03 Lux F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc

Lens included







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- Mechanically removable IR Cut filter
- Power supply: 12 Vdc

Lens included



1092/147





1092/250

1092/251

1092/270

1092/272

1092/271

1092/147





229



# AHD SOLUTIONS CAMERA UNITS

COMPARATIVE CHART	1092/250	1092/251
TECHNICAL FEATURES		
Sensor type:	1/3" SONY CMOS Sensor	1/3" SONY CMOS Sensor
Sensitive elements:	1305(H)x1049(V) pixel	1305(H)x1049(V) pixel
Frames per second	AHD 25fps / CVBS 50fps / COMET 50fps	AHD 25fps / CVBS 50fps / COMET 50fps
Sensitivity:	0.03LUX F2	0.03LUX F2
Resolution:	AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H	AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H
Lens:	fixed 3.6 mm	Varifocal f2.8-12mm
S/N ratio:	>48 dB	>48 dB
Synchronisation:	Internal	Internal
Number of LEDs:	26	36
IR LED range/opening angle:	20m / +-60°	25m / +-60°
Shutter control	1/50 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)

FUNCTIONS		
OSD	YES over cable	YES Internal
AHD 720P video output	YES	YES
CVBS 960H video output	YES	YES
COMET 1280H video output	YES	YES
PAL/NTSC Standard	YES	YES
IR CUT filter	YES	YES
White balancing (Outdoor / Indoor / ATW / AWB / AWC-SET / Manual)	YES	YES
Slow Shutter control (Sens-Up)	YES	YES
NR-3D filter	YES	YES
D-WDR	YES	YES
LSC (Lens shading on corners)	YES	YES
Day & Night function	YES	YES
Flicker detection	YES	YES
HLC/BLC (High Light/Back Light Compensation)	YES	YES
Anti-Defog	YES	YES
Motion Detection	YES	YES
Privacy Zone	YES	YES

GENERAL DATA				
Video output:	AHD 720P / CVBS 960H / COMET 1080H	AHD 720P / CVBS 960H / COMET 1080H		
Power supply:	12 VDC	12 VDC		
Consumption	280 mA +-10%	360 mA +-10%		
Operating temperature:	0-50°C	0-50°C		
Storage temperature	-30-60°C	-30-60°C		
Dimensions (Ø x L)	Ø50x165mm	Ø62x150mm		
Weight:	300g	350g		
IP protection class:	IP66	IP66		
Fairlead bracket	YES	YES		
Use:	Indoor/outdoor	Indoor/outdoor		

ACCESSORIES		
Power unit	1092/800	1092/800
Wall bracket	-	-

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1092/270	1092/272	1092/271
1/4" OV CMOS Sensor	1/3" SONY CMOS Sensor	1/3" SONY CMOS Sensor
1280(H)x800(V) pixel	1305(H)x1049(V) pixel	1305(H)x1049(V) pixel
AHD 25fps	AHD 25fps / CVBS 50fps / COMET 50fps	AHD 25fps / CVBS 50fps / COMET 50fps
0.02LUX F2	0.03LUX F2	0.03LUX F2
AHD 720P	AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H	AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H
fixed 3.6 mm	Varifocal f2.8-12mm	Varifocal f2.8-12mm
>40 dB	>48 dB	48 dB
Internal	Internal	Internal
24	36	30
18m / +-60°	25m / +-60°	22m / +-60°
1/25 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)	1/50 ~ 1/100000 sec (AUTO)

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NO	YES over cable	YES Internal
YES	YES	YES
NO	YES	YES
NO	YES	YES
PAL only	YES	YES
YES	YES	YES
ATW	YES	YES
NO	YES	YES
YES	YES	YES
NO	YES	YES

AHD 720P PAL	AHD 720P / CVBS 960H / COMET 1080H	AHD 720P / CVBS 960H / COMET 1080H
12 VDC	12 VDC	12 VDC
260 mA +-10%	360 mA +-10%	300 mA +-10%
0-50°C	0-50°C	0-50°C
-30-60°C	-30-60°C	-30-60°C
Ø145 x 60 mm	Ø119 x 84 mm	Ø152 x 102(H) mm
380g	740g	700g
IP66	IP66	IP66
YES	NO	NO
Indoor/outdoor	Indoor/outdoor	Indoor/outdoor

1092/800	1092/800	1092/800	
-	-	1092/147	





# AHD SOLUTIONS **VIDEO MANAGEMENT - DYNAMIC 2.0 SERIES DVR**



- > VIDEO COMPRESSION FORMAT H.264 WITH (LIVE AND RECORDING) 720P (1280X720P), WD1 (960X576), WHD1(960X288), WCIF (480X288) RESOLUTIONS
- > URMET DDNS ACCOUNT CONFIGURATION THROUGH ID
- > P2P CONFIGURATION

- > TRIPLE SELF-ADJUSTING STREAM
- > 1 HDD INCLUDED
- > ALARM WARNING VIA E-MAIL
- > SELF-MAINTENANCE MODE
- > POSSIBILITY OF DATA ENCRYPTION ON THE WEB
- > UVS CLIENT SOFTWARE INCLUDED IN SUPPLY

### **COMMON FEATURES**

- > FULL SCREEN AND MULTI-SCREEN **VIEW**
- > SELECTABLE RECORDING SPEED 1280X720P @ 25FPS, 960X576 @ 25FPS
- > RECORDING MODES: CONTINUOUS, MANUAL, MOTION DETECTION, ALARM INPUT, PROGRAMMED, MIX (CONTINUOUS
  - + MOTION DETECTOR + ALARM INPUT)
- > MOTION DETECTOR
- > MULTIPLE OR SINGLE RECORDING WITH PROGRAMMABLE DURATION
- > VGA/ HDMI VIDEO OUTPUT
- > POSSIBILITY OF REMOTE CONNECTION VIA UVS SW, WEB BROWSER, SMART PHONE AND TABLET (ANDROID, IPHONE)
- > REMOTE RECORDING BACK-UP VIA TCP/IP
- > RJ45 10/100M NETWORK INTERFACE

- > ALARM MANAGEMENT
- > WATERMARK
- > SYNCHRONISED PLAYING
- > LINUX OPERATING SYSTEM
- > USB 2.0 PORTS FOR CONNECTING A MOUSE OR FOR BACKUP AND UPGRADE PURPOSES
- > FRONT CONTROL PANEL
- > REMOTE CONTROL FOR CONTROL AND MANAGEMENT
- > SUPPORTS ZOOM IN/OUT FUNCTION AND CYCLED FUNCTION
- > TRANSMISSION OF MAIN STREAM AND SUB STREAM ON THE NETWORK
- > MULTI-LANGUAGE MENU (OSD)
- > P2P

- > URMET DDNS
- > UVS SW INCLUDED







# DVR

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### 1093/524

**®**",

### 4-channel DVR of the Dynamic 2.0 series H.264



- 4 inputs / 1 audio output
- 1 VGA video output/ 1 HDMI video output
- Recording resolution@frame-rate 1280x720p or 960x576 @ 25fps

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- Multi-channel playback: 25fps on all channels
- 4 alarm inputs / 1 alarm output
- Dimensions: 300 (W) x 53 (H) x 227 (D) mm
- Power supply: 12Vdc -2A (power unit supplied)



1093/524

### 1093/525 **®**",

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### 8-channel DVR of the Dynamic 2.0 series H.264

- 8 composite video input channels
- 8 inputs / 1 audio output
- 1 VGA video output/ 1 HDMI video output
- Recording resolution@frame-rate 1280x720p@15fps or 960x576 25fps
- Multi-channel playback: 15fps on all channels
- 8 alarm inputs / 1 alarm output
- Dimensions: 300 (W) x 53 (H) x 227 (D) mm
- Power supply: 12Vdc -2A (power unit supplied)



1093/525

### **®**". 1093/526

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### 16-channel DVR of the Dynamic 2.0 series H.264

- 16 composite video input channels
- 16 inputs / 1 audio output
- 1 VGA video output/ 1 HDMI video output
- Recording resolution@frame-rate 1280x720p@15fps or 960x576 25fps
- Multi-channel playback: 15fps on 8 channels
- 16 alarm inputs / 1 alarm output
- Dimensions: 380 (W) x 50 (H) x 340 (D) mm
- Power supply: 12Vdc -5A (power unit supplied)



1093/526

### 1093/527 **®**",

### 8-channel DVR 720p real time of the Dynamic 2.0 series H.264

- 8 composite video input channels
- 8 inputs / 1 audio output
- 1 VGA video output/ 1 HDMI video output
- Recording resolution@frame-rate 1280x720p or 960x576 @ 25fps
- Multi-channel playback: 25fps on all channels
- Dimensions: 300 (W) x 53 (H) x 227 (D) mm
- Power supply: 12Vdc -2A (power unit supplied))



1093/527

### 1093/528

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### **®**",

### 16-channel DVR 720p real time of the Dynamic 2.0 series H.264

- 16 composite video input channels
- 16 inputs / 1 audio output
- 1 VGA video output/ 1 HDMI video output
- Recording resolution@frame-rate 1280x720p or 960x576 @ 25fps
- Multi-channel playback: 25fps on 8 channels
- 16 alarm inputs / 1 alarm output
- Dimensions: 380 (W) x 50 (H) x 340 (D) mm
- Power supply: 12Vdc -5A (power unit supplied)



1093/528





# **AHD SOLUTIONS VIDEO MANAGEMENT - DYNAMIC 2.0 SERIES DVR**

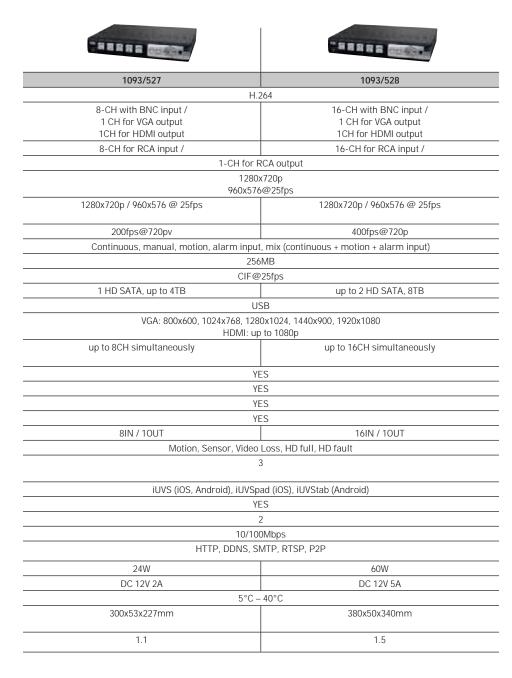
FUNCTION	1093/524	1093/525	1093/526
Compression formats			
Video inputs/outputs	4-CH with BNC input / 1-CH with VGA output 1CH for HDMI output	8-CH with BNC input / 1-CH with VGA output 1CH for HDMI output	16-CH with BNC input / 1-CH with VGA output 1CH for HDMI output
Audio I/O	4-CH for RCA input /	8-CH for RCA input /	16-CH for RCA input /
		1-CH for RCA output	
Screen resolution/Frame rate (per channel)		1280x720p 960x576@25fps	
Recording resolution (per channel)	1280x720p 960x576@25fps		0p@25fps b@25fps
Recording frame rate	100fps@720p/960h	120fps@720p or 200fps@960h	240fps@720p or 400fps@960h
Recording mode	Continuous, manual, r	motion, alarm input, mix (continuous +	motion + alarm input)
Recorded files dimension		256MB	
Sub Stream		CIF@25fps	
Hard Disk Interface	1 HD SATA, up to 4TB up to 2 HD SATA, 8TB		
Video backup memory	USB		
Video output resolution	VGA: 800x	600, 1024x768, 1280x1024, 1440x900, 1 HDMI: up to 1080p	1920x1080
Playing mode (on local monitor)	up to 4CH simultaneously	up to 8CH simultaneously	up to 16CH simultaneously
Synchronised playing		YES	
Watermark		YES	
Data encryption on Web		YES	
Web / Client Multi-language Software		YES	
Alarm I/O	4IN / 10UT	8IN / 10UT	16IN / 10UT
Types of alarm	Mo	tion, Sensor, Video Loss, HD full, HD fa	ault
Maximum number of PCs that can be connected at the same time		3	
Apps	iUVS (id	OS, Android), iUVSpad (iOS), iUVStab (A	ndroid)
PTZ control		YES	
USB 2.0 Port		2	
Ethernet		10/100Mbps	
Network protocols		HTTP, DDNS, SMTP, RTSP, P2P	
Max absorption	24	W	60W
Power supply	DC 12	2V 2A	DC 12V 5A
Operating temperature range		5°C – 40°C	
Dimensions (width x height x depth)	300x53x	227mm	380x50x340mm
Weight, kg	1.1	1.1	1.5











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236 Urmet



# VIDEO SURVEILLANCE IP SYSTEMS

**CAMERAS** NVR

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# **IP SOLUTIONS**

### **MAIN FEATURES**

- > COMPLETE RANGE
- > INDOOR/OUTDOOR CAMERA UNITS POE
- > SIMPLIFIED DEVICE SETUP (NVR AND IP CAMERAS)
- > WIDE RANGE OF NVR WITH AND WITHOUT POE
- > NVR WITH 2TB HD INCLUDED

- > P2P AND URMET DDNS AVAILABLE FOR NVR RANGE
- > NVR SW INCLUDED
- > IUVS APP AVAILABLE FOR IOS AND ANDROID
- > EASY SCALABILITY



Professional and convenient products that are easy to install and use.



A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

Urmet invests in new technologies and offers a range of IP solutions for increased system potential, functionality and flexibility. Installation is quick and easy: the entire system is wired using a UTP cable, and the existing network infrastructure can be used. In terms of performance, there are evident advantages: superior image quality,

complete remote device management (WAN/LAN). Urmet's IP solutions require use of a single centralised video management platform (UVS) supplied as standard. This software enables supervision of small and complex systems alike.





Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

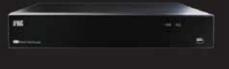
Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.



SEGMENTS/PRODUCTS					SYMBOL KEY	
		Page No.	ENTRY LEVEL	FULL LEVEL	HIGH PROFILE	Entry Level
	MEGAPIXEL CAMERAS (ALSO AVAILABLE IN HD)	241/243			1093/134M1 1093/135M2 1093/136M1 1093/137M2 1093/172M2	F Full Level
					1093/172M2 1093/173M2 1093/174M1 1093/654M2	H High Profile SYMBOL KEY
	NVR FULL HD	248/241	1093/908H 1093/932H 1093/908HP 1093/916HP			HD HD
			1093/932HP			full HD Full HD
						PoE
						Fixed lens
ACCESSORIES						Varifocal lens
					Page No.	
Bracket					243	OSD

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NVR



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# **CAMERAS**

### MAIN FEATURES

- > COMPLETE RANGE
- > POE INDOOR/OUTDOOR CAMERA UNITS
- > SIMPLIFIED DEVICE SETUP (NVR AND IP CAMERAS)
- > WIDE RANGE OF NVR WITH AND WITHOUT POE
- > NVR WITH 2TB HD INCLUDED
- > P2P AND URMET DDNS AVAILABLE FOR NVR RANGE

- > UVS SW INCLUDED
- > IUVS APP AVAILABLE FOR IOS AND ANDROID
- > EASY SCALABILITY
- > RTSP FUNCTION (VIDEO OUTPUT THROUGH RTSP PROTOCOL)
- > FTP FUNCTION (IMAGE OUTPUT VIA FTP)



Urmet presents a new IP range that tops off its wide offering. The new range includes new camera units and NVR video recorders. The new IP cameras are available with resolutions from 720p up to 1080p (Full HD) @ 25fps for indoor and outdoor applications (IP66); they are hence suitable not only for small residential or shop installations but also for more complex systems with open architecture. All models are equipped with LED for night

vision with no lights, motion detector, D-WDR function for video shooting optimisation in high contrast conditions, and PoE and 12Vdc power supply. Product range includes mini dome or vandal dome cameras as well as outdoor/indoor compact cameras with fixed or varifocal lens. The new IP cameras enhance and top off the current offering, which is now thorough, cost-effective and in line with the main market demands. All camera units are

updated to the latest ONVIF 2.3 release. Both the new IP cameras and the NVRs feature the same configuration interface (GUI) so that system setup operations are extremely simple and user-friendly. Another asset is UVS, the video centralised management SW that can manage on a single interface up to 128 live video streams (up to 4 monitors) coming from different types of devices of the Urmet range, and namely: DVR with Standard 960H resolution,

HD-SDI DVR, AHD, IP Cameras and NVRs. The iUVS app (available for iOS and Android) tops off the standard outfit of all Urmet products featuring a network interface and, like UVS SW, the app is compatible with all CCTV products in the range. Therefore, Urmet designed solutions for all CCTV product lines that will meet any requirement in terms of range completeness, technical performance, flexibility and scalability.







### CAMERAS 1093/134M1 **®**\*, COMPACT CAMERA WITH FIXED 3.6MM LENS - 720p W/LED • Sensor: 720P CMOS • Lens: 3.6mm • Resolution and MAX encoding rate: 720P (1280x720)@25fps • Triple Stream 1093/134M1 • Sensitivity: Colour: 0.08Lux @(F1.2,AGC 0N) ,0 Lux with IR • IR cut filter with auto switch • Integrated web server · Protection class: IP66 • Power supply: 12Vdc, PoE (Power over Ethernet) 1093/135M2 **®**", COMPACT CAMERA WITH FIXED 3.6MM LENS - 1080p W/LED • Sensor: 1080P CMOS • Lens: 3.6mm • Resolution and MAX encoding rate: 1080P (1920x1080)@25fps Ē • Triple Stream • Sensitivity: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR • IR cut filter with auto switch • Integrated web server 1093/135M2 • Protection class: IP66 • Power supply: 12Vdc, PoE (Power over Ethernet) 1093/136M1 • COMPACT CAMERA WITH VARIFOCAL 2.8-12MM LENS – 1.3M W/LED • Sensor: 1080P CMOS • Lens: 2.8-12mm • Resolution and MAX encoding rate: 1.3M (1280x960)@25fps • Triple Stream Ē • Sensitivity: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR • IR cut filter with auto switch -ф-• Integrated web server • IR led range: 30m S' • Protection class: IP66 1093/136M1 • Power supply: 12Vdc, PoE (Power over Ethernet) 1093/137M2 ◉", COMPACT CAMERA WITH VARIFOCAL 2.8-12MM LENS – 1080p W/LED • Sensor: 1080P CMOS • Lens: 2.8-12mm • Resolution and MAX encoding rate: 1080P (1920x1080)@25fps • Triple Stream • Sensitivity: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR • IR cut filter with auto switch • Integrated web server • IR led range: 30m

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Protection class: IP66

• Power supply: 12Vdc, PoE (Power over Ethernet)

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1093/137M2

# **CAMERAS**



1093/172M2



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1093/172M2



### INDOOR MINI DOME CAMERA WITH FIXED 3.6MM LENS - 1080p

- Sensor: 1080P CMOS
- Lens: 3.6mm
- Resolution and MAX encoding rate: 1080P (1920x1080)@25fps
- Triple Stream
- Sensitivity: Colour: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR
- IR cut filter with auto switchIntegrated web server

- IR led range: 20m
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)





### OUTDOOR VANDALDOME CAMERA WITH VARIFOCAL 2.8-12MM LENS – $1080 \mathrm{p}$ W/LED

- Sensor: 1080P CMOS
- Lens: 2.8-12mm
- Resolution and MAX encoding rate: 1080P (1920x1080)@25fps
- Triple Stream
- Sensitivity: Colour: 0.03Lux @(F1.2,AGC 0N) ,0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- IR led range: 20m
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)



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### INDOOR 3.6MM MINI DOME CAMERA, 1.3M

- Sensor: 1.3Mpx CMOS Lens: 3.6mm
- Resolution and MAX encoding rate: 720P [1280x720]@25fps
- Triple Stream
- Sensitivity: Colour: 0.03Lux @(F1.2,AGC ON) ,0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- IR led range: 20m
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)





1093/174M21





### CAMERAS

1093/654M2

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Easydome D&N camera IP 20X with IR LED 1080p

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- Sensor: 1/2.8" type Exmor CMOS
- Sensitivity: 0.1 lux Resolution: 1080P
- Resolution and MAX encoding rate: 1080P (1920x1080)@25fps

- Resolution and MAX encoding rate: 1080
  Double Stream
  OSD menu
  Optical Zoom: 20X f=4. 7mm-94.0 mm];
  Digital Zoom: 16x
  IR led range: 150m
  Protection class: IP66
  Power supply: DC12V/5A



1093/654M2



1093/147



Bracket for vandal resistant Dome camera 1092/271, 1093/311 and 1093/173M2  $\,$ 



1093/147



# **CAMERAS**

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COMPARATIVE CHART	1093/654M2	1093/136M1
TECHNICAL FEATURES		
Type of camera	Dome PTZ	Bullet
Sensor type	1/2.8" type Exmor CMOS	1.3Mpx CMOS
Sensitivity	0.1 lux	0.03Lux @(F1.2,AGC 0N) ,0 Lux with IR
IR Led range	150m	30m
Lens type	Zoom 20X f=4. 7mm~94.0 mm	Varifocal 2.8-12mm
Day&Night	IR cut filter with auto switch	IR cut filter with auto switch
Auto shutter	-	1/25s ~ 1/20,000s
Composite video output	YES	NO
Audio input	1 audio input	NO
Audio output	1 Audio Output	NO
Reset key	NO	NO
Reset function	YES	YES
Video Stream Main/Sub/Mobile	Main/Sub	Main/Sub/Mobile
Resolution and MAX supported encoding rate	up to 1080P (1920×1080)/25fps	up to 720P (1280×720)/25fps
Compression algorithm	H.264	H.264
Bit-rate	50Kbps ~ 8Mbps	64kbps-8Mbps
Communication ports	10/ 100 Base-T	1 RJ45 10M / 100M Ethernet interface

FUNCTIONS		
Motion detector	YES	YES
VoIP	NO	NO
Watermark	NO	YES
Alarm Outputs/Inputs	8 alarm inputs / 1 relay output	NO
Supported protocols	TCP/IP, RTSP, FTP, PPPOE, DHCP, DDNS, NTP, UPnP	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)
Sub-stream function	YES	YES
Mobile-stream function		YES
View on mobile phone or PDA	YES	YES
Integrated web server (IE)/Client software	YES	YES
Slot for SD-Card		NO

GENERAL DATA				
Weight	-	-		
IP protection class	IP66	IP66		
PoE (standard 803.AF)	NO	YES		
Operating temperature range	-30 °C ~ 60 °C	-10 °C ~ 60 °C (14 °F ~ 140 °F)		
Power supply (not supplied)	DC12V/5A	12 VDC ± 10%, PoE		

ACCESSORIES		
Power unit	YES	YES

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244 Urmet







# **CAMERAS**

	CO		
COMPARATIVE CHART	1093/134M1	1093/137M2	1093/135M2
TECHNICAL FEATURES	·		
Type of camera	Bullet	Bullet	Bullet
Sensor type	720P CMOS	1080P CMOS	1080P CMOS
Sensitivity	0.08Lux @(F1.2,AGC 0N),0 Lux with IR	0.03Lux @(F1.2,AGC 0N) 0 Lux with IR	0.03Lux @(F1.2,AGC 0N) 0 Lux with IR
IR Led range	-	30m	-
Lens type	fixed lens, M12 3.6MM	varifocal 2.8-12mm	fixed lens, MP 3.6MM
Day&Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
Auto shutter	1/25s ~ 1/20,000s	1/25s ~ 1/100,000s	1/25s ~ 1/100,000s
Composite video output	NO	NO	NO
Audio input	NO	NO	NO
Audio output	NO	NO	NO
Reset key	NO	YES	YES
Reset function	YES	YES	YES
Video Stream Main/Sub/Mobile	Main/Sub/Mobile	Main/Sub/Mobile	Main/Sub/Mobile
Resolution and MAX supported encoding rate	up to 720P (1280×720)/25fps	up to 1080P (1920×1080)/25fps	up to 1080P (1920×1080)/25fps
Compression algorithm	H.264	H.264	H.264
Bit-rate	64kbps-8Mbps	64kbps-8Mbps	64kbps-8Mbps
Communication ports	1 RJ45 10M / 100M Ethernet interface	1 RJ45 10M / 100M Ethernet interface and 1 RS-485 interface	1 RJ45 10M / 100M Ethernet interface and 1 RS-485 interface
FUNCTIONS			
Motion detector	YES	YES	YES
VoIP	NO	NO	NO
Watermark	VEC	VEC	VEC

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FUNCTIONS			
Motion detector	YES	YES	YES
VoIP	NO	NO	NO
Watermark	YES	YES	YES
Alarm Outputs/Inputs	NO	NO	NO
Supported protocols	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP(SNMP, HTTPS, SIP optional)	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)
Sub-stream function	YES	YES	YES
Mobile-stream function	YES	YES	YES
View on mobile phone or PDA	YES	YES	YES
Integrated web server (IE)/Client software	YES	YES	YES
Slot for SD-Card	NO	NO	NO

GENERAL DATA			
Weight	-	-	-
IP protection class	IP66	IP66	IP66
PoE (standard 803.AF)	YES	YES	YES
Operating temperature range	-10 °C ~ 60 °C (14 °F ~ 140 °F)	-10 °C ~ 60 °C (14 °F ~ 140 °F)	-10 °C ~ 60 °C (14 °F ~ 140 °F)
Power supply (not supplied)	12 VDC ± 10%, PoE	12 VDC ± 10%, PoE	12 VDC ± 10%, PoE

ACCESSORIES			
Power unit	YES	YES	YES





# **CAMERAS**

			THE .
COMPARATIVE CHART	1093/174M1	1093/172M2	1093/173M2
TECHNICAL FEATURES	1093/1/4011	1093/172W2	1093/173W2
Type of camera	Mini dome cameras	Mini dome cameras	Vandaldome
	1.3Mpx CMOS	1080P CMOS	1080P CMOS
Sensor type		1.1111	111111111111111111111111111111111111111
Sensitivity	0.03Lux @(F1.2,AGC 0N) ,0 Lux with IR	0.03Lux @(F1.2,AGC 0N) ,0 Lux with IR	0.03Lux @(F1.2,AGC 0N) ,0 Lux with IR
IR Led range	20m	20m	20m
Lens type	Indoor, M12 3.6MM	Indoor, CS 3.6MM @ F1.2,Angle of view: 90°	varifocal 2.8-12MM @ F1.2,Angle of view:28°-93°
Day&Night	IR cut filter with auto switch	IR cut filter with auto switch	IR cut filter with auto switch
Auto shutter			1/25s ~ 1/20,000s
Composite video output	NO	NO	NO
Audio input	NO	NO	NO
Audio output	NO	NO	NO
Reset key	NO	NO	NO
Reset function	YES	YES	YES
Video Stream Main/Sub/Mobile	Main/Sub/Mobile	Main/Sub/Mobile	Main/Sub/Mobile
Resolution and MAX supported encoding rate	up to 720P (1280×720)/25fps	up to 1080P (1920×1080)/25fps	up to 1080P (1920×1080)/25fps
Compression algorithm	H.264	H.264	H.264
Bit-rate	64kbps-8Mbps	64kbps-8Mbps	64kbps-8Mbps
Communication ports	1 RJ45 10M / 100M Ethernet interface	1 RJ45 10M / 100M Ethernet interface	1 RJ45 10M / 100M Ethernet interface

FUNCTIONS			
Motion detector	YES	YES	YES
VoIP	NO	NO	NO
Watermark	YES	YES	YES
Alarm Outputs/Inputs	NO	NO	NO
Supported protocols	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)	TCP/IP, UDP, RTP/RTCP, RTSP, HTTP, SMTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, UPNP (SNMP, HTTPS, SIP optional)
Sub-stream function	YES	YES	YES
Mobile-stream function	YES	YES	YES
View on mobile phone or PDA	YES	YES	YES
Integrated web server (IE)/Client software	YES	YES	YES
Slot for SD-Card	NO	NO	NO

GENERAL DATA			
Weight	-	-	-
IP protection class	IP66	IP66	IP66
PoE (standard 803.AF)	YES	YES	YES
Operating temperature range	-10 °C ~ 60 °C (14 °F ~ 140 °F)	-10 °C ~ 60 °C (14 °F ~ 140 °F)	-10 °C ~ 60 °C (14 °F ~ 140 °F)
Power supply (not supplied)	12 VDC ± 10%, PoE	12 VDC ± 10%, PoE	12 VDC ± 10%, PoE
ACCESSORIES			
Power unit	YES	YES	YES

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VIDEO SURVEILLANCE URMET CLOUD





# **NVR BOOST 2.0 SERIES**

### MAIN FEATURES

- > COMPLETE RANGE
- > POE INDOOR/OUTDOOR CAMERA UNITS
- > SIMPLIFIED DEVICE SETUP (NVR AND IP CAMERAS)
- > WIDE RANGE OF NVR WITH AND WITHOUT POE
- > NVR WITH 2TB HD INCLUDED
- > P2P AND URMET DDNS AVAILABLE FOR NVR RANGE

- > UVS SW INCLUDED
- > IUVS APP AVAILABLE FOR IOS AND ANDROID
- > EASY SCALABILITY
- > NETWORK PORTS: GIGA ETHERNET
- > RTSP FUNCTION (VIDEO OUTPUT THROUGH RTSP PROTOCOL)



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Urmet presents a new IP range that tops off its wide offering. The new range includes new camera units and NVR video

The new NVRs include 8Ch and 32Ch solutions for the entry level segment and 8ch-16ch and 32ch with built-in PoE for the mid-Hi end market. All NVRs feature local video outputs (HDMI and VGA), 1080p resolutions, alarm and audio In/Out, Gigabit network port, 3 USB ports (BOOST 1x3.0 USB

for Backup and Update, 2x 2.0 USB for Mouse), digital zoom in playback, E-Sata port for Back-up.

As a way to enhance versatility and ease of installation, the new range features Urmet DDNS and, for anyone requiring a higher configuration speed, the P2P function with which it is not necessary to set up the router for managing the video stream through WAN All NVRs are updated to the latest ONVIF 2.3 release.

Both the new IP cameras and the NVRs feature the same configuration interface (GUI) so that system setup operations are extremely simple and user-friendly. Another asset is UVS, the video centralised management SW that can manage on a single interface up to 128 live video streams (up to 4 monitors) coming from different types of devices of the Urmet range, and namely: DVR with Standard 960H resolution, HD-SDI DVR,

IP Cameras and NVRs. The iUVS app (available for iOS and Android) tops off the standard outfit common to all Urmet products featuring a network interface and, like UVS SW, the app is compatible with all CCTV products in the range. Therefore, Urmet designed solutions for all CCTV product lines that will meet any requirement in terms of range completeness, technical performance, flexibility and scalability.



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## **NVR**



### NVR

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### 1093/908H 🖭

### NVR 8CH 1080p



- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output

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- MAX recording resolution and speed
- 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
- 1080P(1920×1080): 6ch@25fps
- 720P(1280×720) / D1 (704×576): 8ch@25fps
- Max band that can be managed: 100Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- Power supply: DC 12V 5A
- Dimensions: 380 (W)X 50 (H)X 340 (D) mm



### 1093/932H





### NVR 32CH 1080p



- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
- 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
- 1080P(1920×1080): 6ch@25fps - 7720P(1280×720): 12ch@25fps
- D1 (704×576): 16ch@25fps
- Max band that can be managed: 200Mbit
   TB HDD included (max 2 HDD)
   8 inputs / 1 alarm output

- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- Power supply: DC 12V 5A
- Dimensions: 380 (W)X 50 (H)X 340 (D) mm



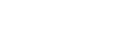
### 1093/908HP 💽

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### NVR 8CH 1080p PoE

- 8 IP video inputs
- Max. recording resolution 1080p • 1 VGA output / 1 HDMI output
- MAX recording resolution and speed - 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
- 1080P(1920×1080): 6ch@25fps
- 720P(1280×720) / D1 (704×576): 8ch@25fps
- Max band that can be managed: 100Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
  1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse) • PoE ports: 8
- Power supply: DC 48V 2A (Power unit supplied) PoE Switch: DC48V
- Dimensions: 380 (W)X 50 (H)X 340 (D) mm





1093/908HP



#### NVR

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#### 1093/916HP



#### NVR 16CH 1080p PoE



- 16 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
- 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
- 1080P(1920×1080): 6ch@25fps
- 720P(1280×720): 12ch@25fps
- D1 (704×576): 16ch@25fps
- Max band that can be managed: 200Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- PoE ports: 8
- Power supply: DC 48V 2A (Power unit supplied)
  - PoE Switch: DC48V
- Dimensions: 380 (W)X 50 (H)X 340 (D) mm

#### 1093/932HP

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#### NVR 32CH 1080p PoE

- 32 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed - 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK) - 1080P(1920×1080): 6ch@25fps

- -720P(1280×720): 12ch@25fps D1 (704×576): 16ch@25fps
- Max band that can be managed: 200Mbit
- 2TB HDD included (max 8 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- PoE ports: 16
- Power supply: AC 100~240V/ 5A, 50~60Hz

PoE Switch: DC48V

• Dimensions: 460 (W)X 89 (H)X 440 (D) mm



1093/916HP



1093/932HP

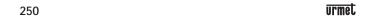
#### **NVR**

COMPARATIVE CHART	1093/908H	1093/932H
TECHNICAL FEATURES		
Video compression	H264	H264
Ip video inputs	8	32
Max recording resolution	1080P	1080P
Framerate in rec (max)	25fps (@1080p)	25fps (@1080p)
Playback resolution and speed on local video output (PLAYBACK)	1080P(1920×1080): 6ch@25fps / 720P(1280×720) / D1 (704×576): 8ch@25fps	1080P(1920×1080): 6ch@25fps / 720P(1280×720): 12ch@25fps / D1 (704×576): 16ch@25fps"
Main video output	HDMI/VGA	HDMI/VGA
Max band that can be managed	100Mbit	200Mbit
Alarm in/out	8IN/10UT	8IN/10UT
Front panel with keys	NO	NO
Gigabit network board	YES	YES
Email alarm warning	YES	YES
USB port	1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)	1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
Audio in/out	YES (8IN Depending from IPC/10UT)	YES (32IN Depending from IPC/10UT)
Digital zoom in playback	YES	YES
Web browser	YES	YES
Mobile view	YES	YES
Max no. of hdd	2 SATA HDDs, max 4TB per HDD	2 SATA HDDs, max 4TB per HDD
Ddns	YES	YES
Compatibility with "new" ip cameras	YES	YES
E-sata	YES	YES
Power supply:	DC 12V 5A	DC 12V 2A
Dimensions:	380 (W)X 50 (H)X 340 (D) mm	380 (W)X 50 (H)X 340 (D) mm

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1093/908HP	1093/916HP	1093/932HP
H264	H264	H264
8	16	32
1080P	1080P	1080P
25fps (@1080p)	25fps (@1080p)	25fps (@1080p)
1080P(1920×1080): 6ch@25fps / 720P(1280×720) / D1 (704×576): 8ch@25fps	1080P(1920×1080): 6ch@25fps / 720P(1280×720): 12ch@25fps / D1 (704×576): 16ch@25fps	1080P(1920×1080): 6ch@25fps / 720P(1280×720): 12ch@25fps / D1 (704×576): 16ch@25fps
HDMI/VGA	HDMI/VGA	HDMI/VGA
100Mbit	200Mbit	200Mbit
8IN/10UT	8IN/10UT	16IN/40UT
NO	NO	NO
YES	YES	YES
YES	YES	YES
1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)	1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)	1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
YES (8IN Depending from IPC/10UT)	YES (16IN Depending from IPC/10UT)	YES (32IN Depending from IPC/10UT)
YES	YES	YES
YES	YES	YES
YES	YES	YES
2 SATA HDDs, max 4TB per HDD	2 SATA HDDs, max 4TB per HDD	8 SATA HDDs, max 4TB per HDD
YES	YES	YES
YES	YES	YES
YES	YES	YES
DC 48V 2A (Power unit supplied) PoE Switch: DC48V	DC 48V 2A (Power unit supplied) PoE Switch: DC48V	AC 100~240V/ 5A, 50~60Hz PoE Switch: DC48V
380 (W)X 50 (H)X 340 (D) mm	380 (W)X 50 (H)X 340 (D) mm	460 (W)X 89 (H)X 440 (D) mm

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INTRODUCTION TO VIDEO SURVEILLANCE

INTEGRATION BUILDING AUTOMATION

VIDEO SURVEILLANCE COAXIAL SYSTEM

VIDEO SURVEILLANCE HD-SDI SYSTEMS

VIDEO SURVEILLANCE AHD SYSTEMS

VIDEO SURVEILLANCE IP SYSTEMS

SOFTWARE FOR CENTRALISED MANAGEMENT

VIDEO SURVEILLANCE URMET CLOUD

VIDEO SURVEILLANCE VIDEO TRANSMISSION

SECURITY KITS

VIDEO SURVEILLANCE SOFTWARE FOR CENTRALISED MANAGEMENT

**MANAGEMENT SYSTEM** FOR CAMERAS AND NVR

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#### STANDARD SOLUTIONS **SOFTWARE**

#### **CLIENT SW**



**UVS SW (Urmet Video Smart)** is specifically designed for

management and centralised video monitoring of medium/ large-sized CCTV systems. It includes a Client module used to manage/monitor the whole system either in direct display mode (max. 512 video streams that can be displayed on 4 monitors) or by means of interactive graphic maps; **UVS** stands out for functional system capacity, scalability and user-friendliness). UVS software is compatible with the products of the Evolution 2.0, Dynamic 2.0, Progress 2.0, Boost 2.0 series

Operating systems: Mac 10.8.0 Windows XP-Vista 7-8











#### **WEB BROWSER**



Safari 6.0



Explorer 10.0.11.0



#### **APP IUVS**



iUVS is the app for iOS® and Android® devices that allows the end user to access the video streams available in the system. The key functions of iUVS are as follows:

- Video live streaming of up to 32 channels
   Remote search and playing
   Landscape screen mode
   PTZ function
- Remote search and playing
- · Local playing
- Also available in iUVSpad version (for iPAD) and in iUVStab version (for Android tablet)

- Support for multiple devices
- Snapshot and video capture











Android®

iPhone®

iPad®







# FULL TECHNOLOGICAL INTEGRATION WITH UVS

# When shooting, recording and controlling the video streams.

Urmet UVS is a true multitechnological control platform for video surveillance systems, allowing users to manage analogue and digital technologies at the same time, integrating video stream control.





#### Urmet UVS allows you to manage:

- > Up to 100 devices
- > Up to 128 video streams per monitor
- > Up to 4 display monitors
- > Multi-account user access

#### $\ensuremath{\mathsf{UVS}}$ allows integration of the following systems:

- > Standard 960H DVR of the Evolution 2.0 and Videosmart series
- > HD-SDI DVR of the Progress 2.0 series
- > NVR of the Boost 2.0 series, AHD DVR of the Dynamic 2.0 series
- > IP cameras











# SURVEILLANCE CLOUD

**HD IP SOLUTIONS** FOR RESIDENTIAL APPLICATIONS



Video-surveillance 2.0 for your home, office or business. It's inexpensive, very effective and takes only 5 minutes to install.

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#### **URMET CLOUD.** SIMPLE AND RELIABLE.

#### With Urmet Cloud you can:

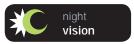
- Check more cameras, even though they are installed in different places
- Access the cameras with a single user profile, always tuned to all your devices
- Avoid cabling and complex network configuration
- Use the service from any Internet provider

#### **Urmet Cloud offers:**

- · Indoor and outdoor cameras with high definition, colour images
- Day&Night function for night shooting
- Live Audio with a two-way channel (listen and talk) with the location where the camera is installed
- Presence detector to activate the recording mode and send the alarm in case of intrusion.
- Video recording on an SD card starting automatically in case of an event.











Sample diagram of an Urmet Cloud system











#### Indoor and outdoor.

The Urmet Cloud Cameras are available in indoor and outdoor versions. All models are equipped with infrared for night vision and a microphone for environmental listening.











FIND OUT HOW EASY IT IS TO **INSTALL AND SET-UP** 

Aim your smartphone here and watch the video on YouTube!



#### Up and running in 5 minutes!

Urmet Cloud IP cameras will impress you for their visual quality and quick and easy installation and set up. No PC required. Yout just need a smartphone to set up your new system.



Install a camera in five simple steps:



Open the box to find everything you need: the camera, the mounting bracket, the power unit, the antenna and the quick guide. A couple of connections and you're good to go!



Register your profile on Urmet Cloud through the app or on www.cloud.urmet.com



Plug into any socket and ensure that the LED turns on: the camera is working!



Connect the camera to your router: you can choose whether to use the Wi-Fi or a standard network cable: no configuration needed, the camera is already on-line!



Done! Now you can connect to your camera at any time. And in case of alarm, you will receive a notice on your cellphone!





# THE RIGHT CHOICE TO BE SAFER.

#### Urmet Cloud is suitable for you home, shop or office

Urmet Cloud is the perfect video surveillance system for those who want to keep important private life of professional places under control at all times. The performance level is uncompromising; it is easy to install the cameras and view images on tablet, smartphone or pc.







ADVANTAGES

QUALITY AUDIO AND VIDEO

HIGH RELIABILITY

**EASY TO INSTALL** 

No router configuration required

### All devices checked from a single profile

Visit www.cloud.urmet.com to register With your credentials you may access also using the apps for iOS® and Android® mobile devices and add all your cameras to your profile, even if they are installed in different locations.

Now you can display all your images in a simple and fast way.



You may leave without worries, choose **Urmet Cloud** 

260 **Urmet** 







#### **HD IP SYSTEMS** FOR RESIDENTIAL APPLICATIONS

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Android®

iPhone®

iPad®





#### MAIN FEATURES

- > VIDEO COMPRESSION H.264/MJPEG
- > HD 720P@30FPS
- > NIGHT VIEW IR LED
- > 3.6MM INTEGRATED LENS
- > MICRO SD SLOT (MAX. 32GB)
- > TWO-WAY AUDIO (SPEAK/LISTEN FUNCTION)
- > MOTION DETECTOR
- > WI-FI 11N WITH INTEGRATED ANTENNA /WPS

#### 1093/184M11







urmet

#### 1093/184M11



#### Indoor WIFI IP camera with 3.6mm integrated lens and IR Led

- Video compression H.264 / MJPEG
- HD 720p@30fps
- Night vision IR LEDs
- 3.6-mm integrated lens
- Micro SD Slot (max. 32 GB) • Two-way audio (speak/listen function)
- Motion Detector
- WI-FI 11n with integrated antenna / WPS
- Plug&play
- No router configuration



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#### **HD IP SYSTEMS** FOR RESIDENTIAL APPLICATIONS















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#### MAIN FEATURES

- > VIDEO COMPRESSION H.264/MJPEG
- > HD 720P@30FPS
- > NIGHT VIEW IR LED
- > 3.6MM INTEGRATED LENS
- > MECHANICAL FILTER
- > MICRO SD SLOT (MAX. 32GB)
- > TWO-WAY AUDIO (SPEAK/LISTEN FUNCTION)
- > ALARM IN/OUT
- > BUILT-IN PIR MOVEMENT SENSOR
- > MOTION DETECTOR
- > WI-FI 11N WITH INTEGRATED ANTENNA /WPS

#### 1093/184M12











#### 1093/184M12



#### Indoor WIFI IP camera with 3.6mm integrated lens, PIR sensor, IR CUT Filter and IR Led

- Video compression H.264 / MJPEG
- HD 720p@30fps
- Night vision IR LEDs
- 3.6-mm integrated lens
- Mechanical filter
- Micro SD Slot (max. 32 GB)
- Two-way audio (speak/listen function)
- Alarm In/Out
- In-built PIR movement sensor
- · Motion Detector • WI-FI 11n with integrated antenna / WPS
- Plug&play • No router configuration





















Android®

iPhone®

iPad®





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#### MAIN FEATURES

- > VIDEO COMPRESSION H.264/MJPEG
- > HD 720P@30FPS
- > NIGHT VIEW IR LED
- > 3.6MM INTEGRATED LENS
- > MECHANICAL FILTER
- > MICRO SD SLOT (MAX. 32GB)
- > AUDIO IN/OUT
- > ALARM IN/OUT
- > MOTION DETECTOR
- > WI-FI 11N WITH INTEGRATED ANTENNA /WPS
- > POE 802.3AF



#### 1093/184M14













#### 1093/184M14



#### Indoor WIFI IP mini dome camera with 3.6mm integrated lens, IR CUT Filter and IR Led • Video compression H.264 / MJPEG

- HD 720p@30fps
- Night vision IR LEDs3.6-mm integrated lens
- Mechanical filter
- Micro SD Slot max. 32 GB (SD not included)
- Two-way audio (speak/listen function)
- Alarm In/Out
- Motion Detector
- WI-FI 11n with Nano Dongle USB
- PoE 802.3af
- Plug&play
- No router configuration





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#### **HD IP SYSTEMS** FOR RESIDENTIAL APPLICATIONS















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- > VIDEO COMPRESSION H.264/MJPEG
- > HD 720P@30FPS
- > NIGHT VIEW IR LED
- > 3.6MM INTEGRATED LENS
- > MECHANICAL FILTER
- > MICRO SD SLOT (MAX. 32GB)
- > AUDIO IN/OUT
- > ALARM IN/OUT
- > MOTION DETECTOR
- > WI-FI 11N WITH INTEGRATED ANTENNA /WPS
- > POE 802.3AF



#### 1093/184M15











#### 1093/184M15



#### Compact IP WIFI D&N camera with 3.6mm integrated lens, IR CUT filter and IR Led

- Video compression H.264 / MJPEG
- HD 720p@30fps
- Night vision IR LEDs
- 3.6-mm integrated lens
- Mechanical filter
- Micro SD Slot (max. 32GB)
- Audio In/Out
- Alarm In/Out
- · Motion Detector
- WI-FI 11n with integrated antenna
- PoE 802.3af
- Plug&play
- No router configuration

















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#### > VIDEO COMPRESSION H.264/MJPEG

- > HD 720P@30FPS
- > NIGHT VIEW IR LED
- > VARIFOCAL 2.8-12 MM INTEGRATED LENS
- > MECHANICAL FILTER
- > MICRO SD SLOT (MAX. 32GB)
- > AUDIO IN/OUT
- > ALARM IN/OUT
- > MOTION DETECTOR
- > WI-FI 11N WITH INTEGRATED ANTENNA /WPS
- > POE 802.3AF



#### 1093/184M16











#### 1093/184M16



#### Compact IP WIFI D&N camera with 2.8-12mm integrated lens, IR CUT filter and IR Led

- Video compression H.264 / MJPEG
- HD 720p@30fps
- Night vision IR LEDs
- 2.8-12mm integrated lens Mechanical filter
- Micro SD Slot (max. 32GB)
- Audio In/Out • Alarm In/Out
- Motion Detector
- WI-FI 11n with integrated antenna
- PoE 802.3af
- Plug&play
- No router configuration

#### **HD IP SYSTEMS** FOR H-NVR RESIDENTIAL APPLICATIONS

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Android®

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#### MAIN FEATURES

- > VIDEO COMPRESSION H.264/MJPEG
- > 4 CH HD 720P@30FPS
- > VGA AND HDMI VIDEO OUTPUT
- > P2P
- > URMET DDNS
- > UVS INCLUDED
- > iUVS (ANDROID/IOS)
- > MOTION DETECTOR

#### 1093/900





#### 1093/900 ◊



#### H-NVR 4CH 720p

- 4 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
- 720P(1280×720): 25fps (real time) - 1080P(1920×1080): no real time
- Local playback resolution and speed (LIVE/ PLAYBACK)
- 1080P(1920×1080): 2ch@25fps
- 720P(1280×720) / D1 (704×576): 4ch@25fps
- Max band that can be managed: 25Mbit • HDD included
- No. 2 USB 2.0
- Power supply: DC 12V 2A
- Dimensions: 200 (W)X 43 (H)X 194 (D) mm

• Compatible with standard IP camera 1093/134M1





SECURITY KITS





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	1093/900
TECHNICAL FEATURES	
Video compression	H264
IP VIDEO INPUTS	4
Max recording resolution	1080P
Framerate in rec (max)	25fps (@720p) Non real-time (@1080p)
Framerate in local live/playback (max)	1080P(1920×1080): 2ch@25fps / 720P(1280×720) / D1 (704×576): 4ch@25fps
Main video output	HDMI/VGA
Max band that can be managed	25Mbit
Alarm in/out	NO
Front panel with keys	NO
Lan network board	YES
Email alarm warning	YES
USB port	2x 2.0 USB (Backup and Mouse)
Audio management	YES
Digital zoom in playback	YES
Web browser	YES
Mobile view	YES
Max no. of hdd	1 SATA HDDs, max 4TB
DDNS	YES
E-sata	NO
Power supply	DC 12V 2A
Dimensions	200 (W) x 43 (H) x 194 (D) mm

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SECURITY KITS

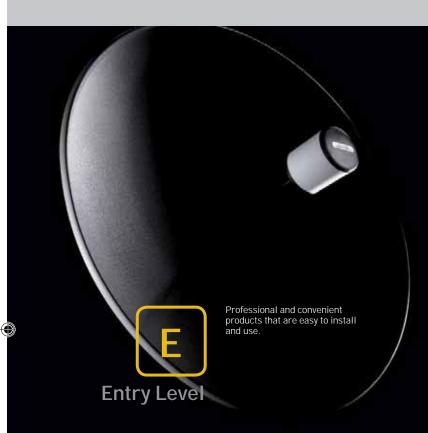
# SURVEILLANCE TRANSMISSION шШ

BALUN **AIRNET** AIRNET ANTENNAS **AIRNET PLUS** 

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#### **VIDEO TRANSMISSION**



#### **VIDEO TRANSMISSION OVER UTP CABLE**

Video Balun (Balanced-Unbalanced) devices use UTP CAT5 (or higher) twisted pair cables for transmission of video signals. These ensure the following advantages with respect to coaxial cables:

- longer wiring distances (max 3000 m);
- commonly available cables;
- a single cable can be used to transmit 4 video signals (through the 4 twisted pairs

- inside the CAT5 cable);
- high level of protection against atmospheric discharge and electromagnetic induction;
- easy and inexpensive installation;
- high performance;
- suitable for all system types;





A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

From video transmission on UTP cable (balun devices) to wireless, remote wave solutions or multiband network transmission:

Urmet technology offers different solutions to freely manage system design as best suited to your needs.



Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

DISTANCE (m)	) 2! 	50 12 	
	PASSIVE	PASSIVE	ACTIVE
VIDEO SOURCE END	1092/300A 1092/301*	1092/300A	1092/302
	PASSIVE	PASSIVE	ACTIVE
VIDEO USER END	1092/300A 1092/301*	1092/303 1092/304 1092/316	1092/303 1092/304 1092/316









SYMBOL KEY

High Profile

#### **WIRELESS SOLUTIONS**

#### **WIRELESS**

These wireless solutions represent the most reliable option for security applications on long distances and in extended public areas. The different technologies available meet a wide range of data transmission needs, with effective and punctual results. Urmet's product offer

SEGMENTS/PRODUCTS

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BALUN

AIRNE

AIRNE

#### includes:

- remote wave solutions;
- Airnet solutions with broadband IP transmission;
- Airnet plus solutions, with 3G Router.

The best solution for any application context, at your disposal.

	Page No.	ENTRY LEVEL	FULL LEVEL	HIGH PROFILE
N	273/274		1092/300A 1092/301 1092/302 1092/303 1092/304 1092/316	
ĒΤ	275		1094/150N	1094/102N 1094/103N 1094/104N 1094/106N
ET PLUS	278	1094/202 1094/210 1094/102N		

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#### **BALUN**





- > COMPACT SIZE FOR A SIMPLE CONNECTION TO CAMERAS, MONITOR AND VIDEO MANAGEMENT DEVICES.
- > 1 BNC VIDEO INPUT AND TERMINAL BOARD FOR CONNECTION WITH UTP CAT5 CABLE
- > EXTREMELY EASY TO USE
- > NO POWER SUPPLY REQUIRED
- > DOUBLE IMPEDANCE AND DISTURBANCE FILTER TO ENSURE IMPROVED SHIELDING AGAINST ANY INTERFERENCE

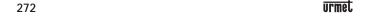
#### 1092/300A

Two Passive Video Baluns (without signal amplification) for impedance balancing between coaxial cable and UTP cable. Particularly

suitable for the transmission/ reception of black/white or colour video signal over UTP (Unshielded Twisted Pair) cable.

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#### **VIDEO TRANSMISSION OVER UTP CABLE**

#### **BALUN**

#### 1092/300A

#### Two Passive Video Balun TX/RX

Two Passive Video Baluns (without signal amplification) for impedance balancing between coaxial cable and UTP cable. Particularly suitable for the transmission/reception of black/ white or colour video signal over UTP (Unshielded Twisted Pair) cable.

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- Compact size for a simple connection to cameras, monitor and video management devices
- 1 BNC Video Input and terminal board for connection via UTP CAT5 cable
- · Extremely easy to use.
- No power supply required.
- Double impedance and disturbance filter to ensure improved shielding against any
- The package includes a set of transceivers.



1092/300A

#### 1092/301

#### Two Passive Video Balun TX/RX with remote power supply

Passive Video Baluns (without signal amplification) preset with connectors for camera remote power supply; they ensure impedance balancing between coaxial cable and UTP cable. Particularly suitable for the transmission/reception of black/white or colour video signal and remote power supply over UTP (Unshielded Twisted Pair) cable.

- Compact size for a simple connection to cameras, monitor and video management devices
- 1 BNC Video Input and RJ45 connector for connection with UTP CAT5 cable.
- · Extremely user-friendly
- · No power supply required.
- Input/output for remote power supply.
- Double impedance and disturbance filter to ensure improved shielding against any
- The package includes a set of transceivers.



1092/301

#### 1092/302

#### 1-channel Active Video Balun Transmitter

The Active Video Balun Transmitter (with signal amplification) balances the impedance between coaxial cable and UTP cable and is particularly suitable for transmission of a black/ white or colour video signal over a UTP (Unshielded Twisted Pair) cable over distances above 1,200 m.

Can be used with active receivers 1092/303, 1090/304 or with 1092/316.

- Compact size for a simple connection to cameras, monitor and video management devices.
- 1 BNC Video Input (female) and terminal board for connection via UTP CAT5 cable
- · Extremely easy to use.
- 3-level gain adjustment of signal being transmitted.
- Double impedance and disturbance filter to ensure improved shielding against any interference.
- · Preset for wall mounting.
- Power supply: 12Vdc max 80 mA (POWER UNIT NOT INCLUDED)



1092/302





F Full Level

H High Profile



not compatible with AHD range



#### VIDEO TRANSMISSION **OVER UTP CABLE**

#### VIDEO RECEIVERS

#### 1092/303

#### 1-channel Active Video Balun Receiver

The Active Video Balun Receiver (with signal amplification) balances the impedance between coaxial cable and UTP cable and is particularly suitable for receiving a black/white or colour video signal over a UTP (Unshielded Twisted Pair) cable over distances above 250 m. Can be used with passive TX/RX 1092/300 or with active transmitter 1092/302

- Compact size for a simple connection to cameras, monitor and video management
- 1 BNC Video Output (female) and terminal board for connection via UTP CAT5 cable
- Extremely easy to use.
- Dip-switch for video signal equalization (definition and contrast).
- Potentiometer for adjusting video signal level (brightness).
- Double impedance and disturbance filter to ensure improved shielding against any interference



• Power supply: 12Vdc – max 80 mA (POWER UNIT NOT INCLUDED)



1092/303

1092/304

1092/316







#### 4-channel Active Video Balun Receiver

The Active Video Balun Receiver (with signal amplification) balances the impedance between coaxial cable and UTP cable and is particularly suitable for reception of up to 4 black/white or colour video signals over a UTP (Unshielded Twisted Pair) cable.

Can be used with passive TX/RX 1092/300 or with active transmitter 1092/302

- Compact size for a simple connection to cameras, monitor and video management devices.
- 4 BNC female outputs, terminal board and RJ45 connector for UTP CAT5 cable input
- · Extremely easy to use.
- Dip-switch for video signal equalization (definition and contrast) on each channel.
- Potentiometer for adjusting video signal level (brightness) on each channel.
- Double impedance and disturbance filter to ensure improved shielding against any interference
- UTP signal input available on terminal board or on RJ45 connector.
- · Preset for wall mounting F
  - Power supply: 12Vdc max 80 mA (POWER UNIT NOT INCLUDED)







#### 1092/316

#### 16-channel Active Video Balun Receiver

The Active Video Balun Receiver (with signal amplification) balances the impedance between coaxial cable and UTP cable and is particularly suitable for reception of up to 16 black/ white or colour video signals over a UTP (Unshielded Twisted Pair) cable. Can be used with passive TX/RX 1092/300 or with active transmitter 1092/302

- Compact size for a simple connection to cameras, monitor and video management
- 16 loopthrough BNC female outputs, and 4 RJ45 connectors for UTP CAT5 cable input
- Extremely easy to use.
- Dip-switch for video signal equalization (definition and contrast) on each channel. · Potentiometer for adjusting video signal level (brightness) on each channel.
- Double impedance and disturbance filter to ensure improved shielding against any
- interference.



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- · Signal input available on RJ45 connector.
- · 230Vac power supply

not compatible with AHD range





H High Profile







# WIRELESS SOLUTIONS AIRNET



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#### MAIN FEATURES

- > MULTI-BANDWIDTH FOR DIGITAL TRANSMISSION
- > SOLUTIONS WITH BUILT-IN OR EXTERNAL ANTENNA (OMNIDIRECTIONAL, SECTORIAL, PANEL OR PARABOLIC ANTENNA)
- > UP TO 200 MBPS BANDWIDTH PER CHANNEL
- > CONFIGURATION, ALIGNMENT AND COST-ESTIMATING SOFTWARE
- > PoE

- > 802.11 A/B/G/ N OR A/N STANDARD (DEPENDING ON THE MODEL)
- > DUAL BAND (2.4 5.4 GHZ)
- > IP67 (DEPENDING ON THE MODEL)
- > P-P, P-MP CONFIGURATION. REPEATER, BRIDGE
- > REACHABLE DISTANCES UP TO 20 KM

275





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# WIRELESS SOLUTIONS AIRNET

WIRELESS 802.11 –	AIRNET SERIES
1094/102N*	5.4 GHz single-band radio system with built-in antenna 5.4 GHz single-band radio system that can be used as CPE, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s) with built-in antenna (gain: 23 dBi 5.4 GHz). Used for point-to-point connections. IP67. Composition: CPE + PoE.
1094/103N*	2.4/5.4 GHz double-band radio system with double radio interface (external antenna) Radio system with double radio interface and possible double band - 2.4 GHz and 5.4 GHz - that can be used as CPE, Repeater, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s per radio module) with external antennas. Used for point-to-point and point-to-multipoint or repeater connections.  IP67. Composition: CPE/AP + PoE (requires one or several external antennas).
1094/104N*	2.4/5.4 GHz double-band radio system with triple radio interface (external antenna) Radio system with triple radio interface and possible double band - 2.4 GHz and 5.4 GHz - that can be used as CPE, Repeater, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s per radio module) with external antennas. Used for point-to-point and point-to-multipoint or repeater connections.  IP67. Composition: CPE/AP + PoE (requires one or several external antennas).
1094/106N*	2.4/5.4 GHz double-band radio system with four radio interfaces (external antenna)  Radio system with four radio interfaces and possible double band - 2.4 GHz and 5.4 GHz - that can be used as CPE, Repeater, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s per radio module) with external antennas. Used for point-to-point and point-to-multipoint or repeater connections.  IP67. Composition: CPE/AP + PoE Standard 802.3af (requires one or several external antennas).
1094/150N*	5.4 GHz Radio KIT with built-in 16dBi antenna Set of radio systems that can be used as point-to-point connection (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s) with built-in antenna (16 dBi gain). IP67 Composition: 2 CPE + 2 PoE + 2 bracket kits for system tilting.

<sup>\*</sup> Please contact our sales network to verify product availability











# WIRELESS SOLUTIONS AIRNET

EXTERNAL	ANTENNAS FOR AIRNET SERIES
1094/301	2.4 GHz 12dB Vertically-polarised Omnidirectional Antenna, Beam Width of $7^{\circ}V$ x $360^{\circ}H$
1094/302	5.4 GHz 17dB Vertically-polarised Sectorial Antenna, Beam Width of 120° H
1094/303	5.4 GHz 18dB Vertically-polarised Sectorial Antenna, Beam Width of 90° H
1094/304	5.4 GHz 19dB Vertically-polarised Sectorial Antenna, Beam Width of 60° H
1094/306	5.4 GHz 19dB Panel Antenna, Beam Width of 16°V x 16°H
1094/307	
1094/308	5.4 GHz 12dB Vertically-polarised Omnidirectional Antenna, Beam Width of 7°V x 360°H



1094/307

#### **TECHNICAL FEATURES**

Routing and management protocols

TCP/IP Protocol: Firewall and NAT -, port range, IP protocol (ICMP type, TCP flags and MSS), ToS (DSCP) byte

Data Rate Management - Hierarchical HTB QoS system with bursts; per IP / protocol / subnet / port / firewall mark; PCQ, RED, SFQ, FIFO queue; CIR, MIR, contention ratios, dynamic client rate equalizing (PCQ), bursts, Peer-to-Peer protocol limitation

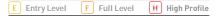
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Point-to-Point tunnelling protocols - PPTP, PPPoE and L2TP; PAP, CHAP, MSCHAPv1 and MSCHAPv2; RADIUS authentication; MPPE encryption; PPPoE; data rate limitation; differentiated firewall

 $\hbox{DHCP - DHCP server; DHCP relay; DHCP client; DHCP multiple networks; RADIUS support}\\$ 

Simple tunnels - IPIP tunnels, EoIP (Ethernet over IP) IPsec - IP security AH and ESP; MODP Diffie-Hellman 1,2,5; MD5 Hashing algorithms; DES, 3DES, AES-128, AES-192, AES-256 encryption algorithms; Perfect Forwarding Secrecy (PFS) MODP 1,2,5 3

	External radi	External radio				Built-in radio		
	802.11b	RX Sensitivity	TX Power	802.11a	RX Sensitivity	TX Power	RX	802.11a: -92 dBm @ 6Mbps to -76 dBm @ 54 Mbps
ľ	1Mbit	-93	24	6Mbit	-97	25	sensitivity	802.11n: -92 dBm @ MCSO to -73 dBm @ MCS7
	11Mbit	-93	24	54Mbit	-80	21	]	40 MHz
	802.11g			802.11n 5GHz			l	
Output power /	6Mbit	-94	25	MCSO 20MHz	-97	24		
Receiver sensitivity	56Mbit	-81	22	MCSO 40MHz	-92	22		
	802.11n 2.4GHz			MCS7 20MHz	-77	18	TX power	802.11a: 22 dBm @ 6Mbps to 19 dBm @ 54 Mbps 802.11n: 22 dBm @ MCSO to -15 dBm @ MCS7
	MCSO 20MHz	-94	25	MCS7 40MHz	-74	17	]	802.11n: 22 dBm @ MCSO t0 - 15 dBm @ MCS/
	MCSO 40MHz	-92	24	ļ				
	MCS7 20MHz	-78	21	ļ				
1	MCS7 40MHz	-75	20					
	802.11b							
	11,5.5,2,1 Mbps, auto-fallback							
	802.11a/g							
	54 Mbps, 48 Mbps , 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps,							
Transfer Data Rate	802.11n							
	20MHz							
	2Nss: 130Mbps @ 800Gl, 144.4Mbps @ 400Gl (Max)							
	40MHz 1Nss: 135Mbps @ 800 GI, 150Mbps @ 400GI (Max) 2Nss: 270Mbps @ 800 GI, 300Mbps @ 400GI (Max)							
		2Nss: 270M	bps @ 80	0 GI, 300Mbps	s @ 400GI (Ma	ax)		
Supported IEEE standards:	5Ghz 802.11a and 802.11a/n and 2.4 Ghz 802.11b and 802.11g							
Frequencies	2.312 – 2.497 Ghz (5 Mhz step) and 4.920 – 6.100 (5 MHz steps or multiples)							
Security	Hardware: 64 and 128 bit WEP; TKIP and AES-CCM encryption; 802.1x WPA authentication							
Modulation	802.11b+g: D	802.11b+g: DSSS, OFDM for data rate >30Mbps – 802.11a: OFDM						







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# WIRELESS SOLUTIONS AIRNET PLUS

#### MAIN FEATURES

- > HSPA/UMTS ROUTER SPECIFICALLY DEVELOPED FOR VIDEO/DATA APPLICATIONS
- > ACTIVATION OF TIMED CONNECTION VIA SMS
- > ALARM SMS
- > AIRNET PLUS: UNLIMITED CONNECTIVITY





• SIM Card for on-demand or permanent internet connection through the mobile network.

with the utmost security:

- VPN Support (Virtual Private Network) for remote user (individual Clients or entire LANs) secure access to the local LAN network with data encryption.
- The advantages of technology: a high transmission speed allows managing traditional applications as well as video streaming.
   This new development answers current market trends showing

that, as a consequence of the spread of the 3G standard and the increasing speeds available, connectivity via mobile UMTS/ HSPA network has become a valid alternative to broadband connectivity. Connection via HSDPA and HSUPA 3G networks currently ensures download speeds of up to 7.2 Mbps and upload speeds of up to 5.76 Mbps, very close to and in some cases even higher than the speeds offered by ADSL.

 System alarm SMS (with Urmet's DVR) a after an alarm has been activated. By sending an SMS to the device it is possible to activate an internet connection transmitting with the information concerning the duration of said connection.

Alternatively, the connection can be automatically activated for a preestablished length of time.

Possibility to establish secure connections with other networks or computers via Internet. The security of the data transmitted on the "public" network is guaranteed by VPNs (Virtual Private Networks) and the use of IPSec or L2TP/PPTP encryption and authentication protocols.

The routers of the wireless-WAN series also support advanced Internet functions such as Virtual Server, Dynamic DNS and Email check.

The 1092/202 router can be used for:

- · mobile applications
- installation in geographical areas that are not yet covered by ADSL, where UMTS/HSPA/GPRS/EDGE connectivity is available
- installation where wired Internet access is not available
- as backup system for a standard ADSL network.

#### **AIRNET PLUS**

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1094/202N\*

#### Router 3G with built-in modem

- 1 Ethernet port 10/100 Mbit/s Fast Ethernet
- Supported networks UMTS/HSPA and GSM/GPRS/EDGE
- Used frequencies 900, 1800, 1900 and 2100 MHz
- Can manage streams up to 7.2 Mbps in download and 2.0 Mbps in upload (HSPA)
- URMET configuration software: Airnet plus UTILITY

<sup>\*</sup> Please contact our sales network to verify product availability











Power supply	12 V DC 1 A			
Device dimensions (W x H x D) mm	200 x 115 x 35			
Housing material	aluminium			
Operating temperature	from 0°C to +50°C			
RADIO SYSTEM CHARACTERISTICS				
CPU	Atheros AR7130 300MHz			
Memory	32MB DDR SDRAM (card memory)			
Communication port	1 10/100 Mbit/s Ethernet port Fast Ethernet with Auto-MDI/X			
Reset	through internal switch			
Power supply	Power over Ethernet: 10÷28V DC			
Power consumption	typically ~3W (maximum 12 W)			
USB	1			
Frequencies	900, 1800, 1900 and 2100 MHz			
Radio Chipset	Atheros AR5414			
Security	Hardware: 64 and 128 bit WEP; TKIP and AES-CCM encryption; 802.1x WPA authentication			
Supported networks	UMTS/HSPA and GSM/GPRS/EDGE			
Max. output power	24 dBm			
Sensitivity	102dBm			
Supplied outfit	Power unit (230V AC – 12V DC) • Stylus antenna			

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#### SUPPORTED PROTOCOLS

Routing and management protocols

TCP/IP Protocol: Firewall and NAT -, port range, IP protocol (ICMP type, TCP flags and MSS), ToS (DSCP) byte

Data Rate Management - Hierarchical HTB QoS system with bursts; per IP / protocol / subnet / port / firewall mark; PCQ, RED, SFQ, FIFO queue; CIR, MIR, contention ratios, dynamic client rate equalizing (PCQ), bursts, Peer-to-Peer protocol limitation

Point-to-Point tunnelling protocols - PPTP, PPPoE and L2TP; PAP, CHAP, MSCHAPv1 and MSCHAPv2; RADIUS authentication; MPPE encryption; PPPoE; data rate limitation; differentiated firewall

DHCP - DHCP server; DHCP relay; DHCP client; DHCP multiple networks; RADIUS support

Simple tunnels - IPIP tunnels, EoIP (Ethernet over IP) IPsec - IP security AH and ESP; MODP Diffie-Hellman 1,2,5; MD5 Hashing algorithms; DES, 3DES, AES-128, AES-192, AES-256 encryption algorithms; Perfect Forwarding Secrecy (PFS) MODP 1,2,5

#### ANTENNA

1094/210

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#### 3G Router Antenna

- Frequency range used: 824-960 MHz 1710-2500 MHz
- Gain: 7 dBi (824-960 MHz) 9 dBi (1710-2500 MHz)
- Impedance: 50 Ohm
- Wall mount



1094/210

FEATURES	
Туре	High gain GSM/UMTS external antenna allowing GPRS/EDGE and UMTS/HSPA signal reception
Installation	Wall mounting
Frequency range used	824-960 MHz - 1710-2500 MHz
Impedance	50 Ohm
Gain	7 dBi (824-960 MHz) - 9 dBi (1710-2500 MHz)
Connector	N-Female
Device dimensions (W x H x D) mm	252 x 164 x 50
Housing material	ABS
Operating temperature	From -20°C to +70°C







INTEGRATION
TO BUILDING BUILDING AUTOMATION

VIDEO SURVEILLANCE COAXIAL SYSTEM

VIDEO SURVEILLANCE HD-SDI SYSTEMS

VIDEO SURVEILLANCE AHD SYSTEMS

AHD VIDEO SURVEILLANCE KIT

VIDEO SURVEILLANCE IP SYSTEMS

SOFTWARE FOR CENTRALISED MANAGEMENT

VIDEO SURVEILLANCE URMET CLOUD

VIDEO SURVEILLANCE VIDEO TRANSMISSION

SECURITY KITS

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# Everything you need to create a base system.

Two kits suitable for all applications: digital 4-channel video recorder and mini camera with 3.6-mm lens, or digital 8-channel video recorder and mini camera with 2.8 - 12 mm lens.





282 Urmet



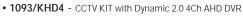


#### The range.

AREA VIDEOS







- n. 1 **1093/002AHD** P2P 4Ch DVR
- n. 2 1092/250 D&N AHD compact camera 720P 3.6mm built in lens
- n. 2 1092/800 power supply 230 Vca 12 Vcc 500 mA
- n. 2 simplified privacy form model

#### **CLIENT SW**

**(1)** 































Android® iPhone® iPad®



- n. 1 **1093/003AHD** P2P 8Ch DVR
- n. 2 1092/251 D&N AHD compact camera 720P 2.8-12mm built in lens
- n. 2 **1092/801** power supply 230 Vca 12 Vcc 1.200 mA
- n. 2 simplified privacy form model

#### **CLIENT SW**















WEB BROWSER

















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Android® iPhone® iPad®







284 Urmet







### DIMENSIONS

$\Delta D \Delta D$	TMFN	Τ ςτδ	TIONS

I-MODO, MODO, AIKO	i
FOLIO, NEXO	i
MIRO	i
SIGNO, SIGNO AUDIO, ATLANTICO	i
UTOPIA, 1130, 752/33	i

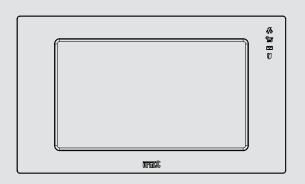
ENTRY PANELS	<b>i</b> 7
INTERCOM, ELEKTA, ELEKTA STEEL	<b>i</b> 8
925	<b>i</b> 9
SINTHESI S2	<b>i</b> 10
SINTHESI STEEL	<b>i</b> 11
MIKRA, MIKRA AUDIO, MIKRA EXIGO, SMYLE	<b>i</b> 12

### COMPOSITION TABLE

2VOICE SYSTEM	<b>i</b> 26
COAX VIDEO DOOR PHONE SYSTEM	<b>i</b> 33
5WIRE VIDEO DOOR PHONE SYSTEM	<b>i</b> 38
4+N DOOR PHONE SYSTEM	<b>i</b> 41
1+N DOOR PHONE SYSTEM	<b>i</b> 44

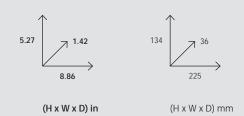
# TECHNICAL INFO

### COLOUR VIDEO DOOR PHONE TOUCH-SCREEN

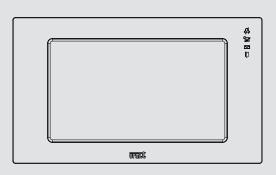


# **I**Imodo

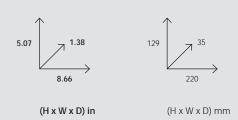
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### COLOUR VIDEO DOOR PHONE TOUCH-SCREEN



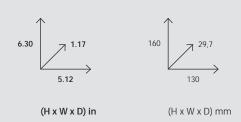
# modo



### COLOUR VIDEO DOOR PHONE



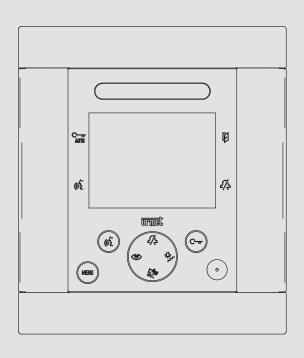
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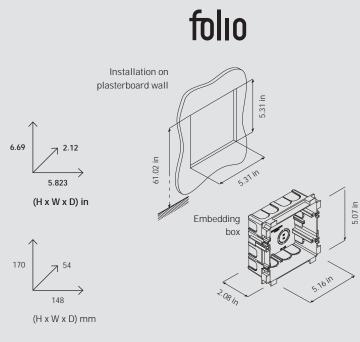




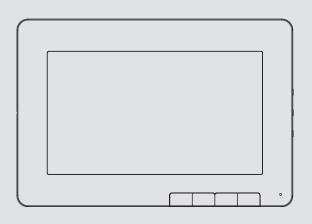


### FOLIO HANDSFREE VIDEO DOOR PHONE

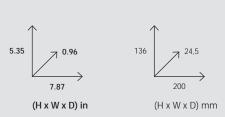




### HANDSFREE VIDEO DOOR PHONE



# uexo



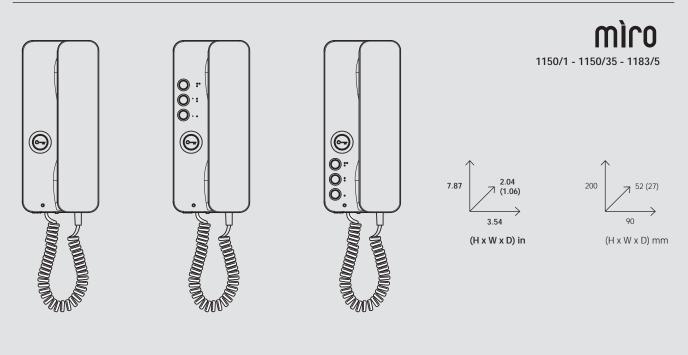
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# COLOUR VIDEO DOOR PHONE \*\*TO COLOUR VIDEO HANDSFREE DOOR PHONE \*\*TO COLOUR HANDSFREE D

**(** 

### DOOR PHONE



288 Urmet



# COLOUR VIDEO DOOR PHONE DOOR PHONE signo (H x W x D) in (H x W x D) in (H x W x D) mm (H x W x D) mm

**(** 

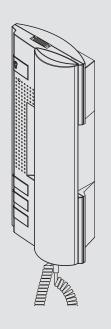
### DOOR PHONE

# (H x W x D) in

# atlantico

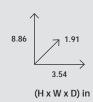
(H x W x D) mm

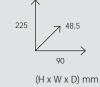
DOOR PHONE



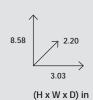
# **UTOPIA**

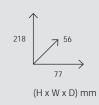
**(** 





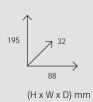
# 1130





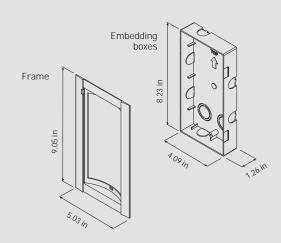
### DUO HANDSFREE DOOR PHONE





**(** 

# 752/33



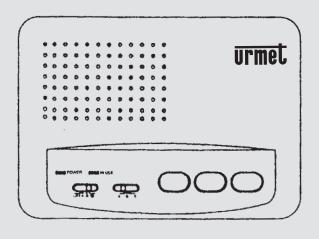




### APARTMENT STATIONS / ENTRY PANELS

**(** 

### INTERCOM DEVICE

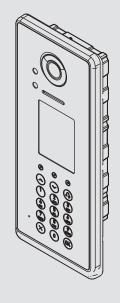


# **INTERCOM**

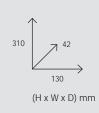


### VIDEO ENTRY PANEL

# **ELEKTA**

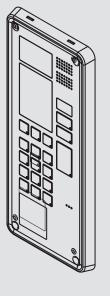






### VANDAL RESISTANT VIDEO ENTRY PANEL

# **ELEKTA STEEL**

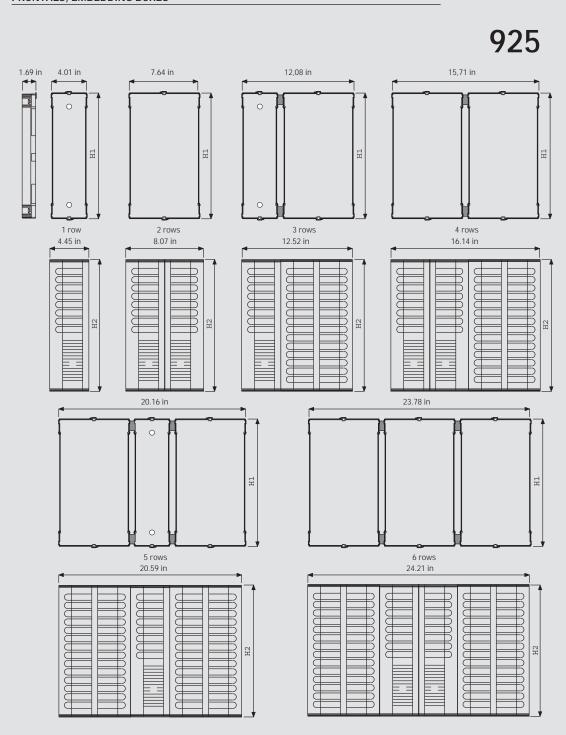




(H x W x D) mm

291

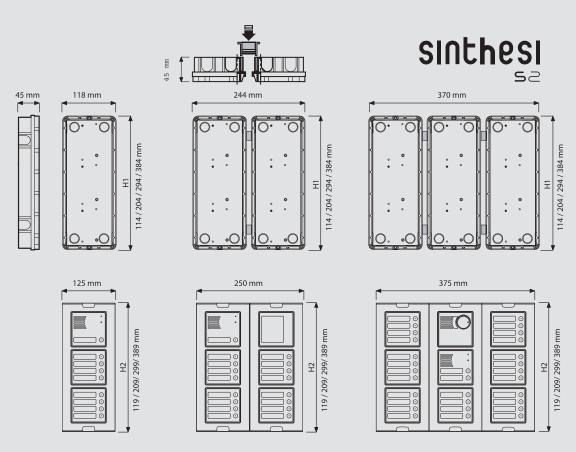
### FRONTALS, EMBEDDING BOXES



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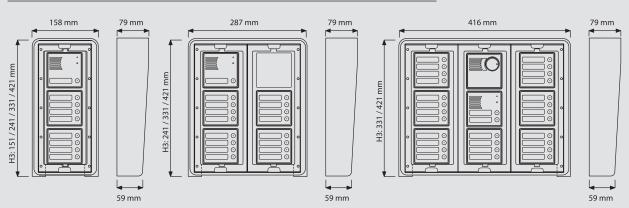
### FLUSH-MOUNTED VERSION



**(** 

NOTE: H1 = 114, 204, 294, 384 indicates flush mounting height and H2 = 119, 209, 299, 389 indicates to total height relative to 1, 2, 3 and 4 module versions.

### WALL-MOUNTED VERSION



 $\textbf{NOTE:} \ \textbf{H3} \ \textbf{referred to the total height may differ according to the number of modules that the case may contain.}$ 

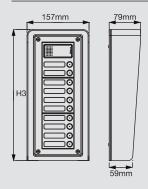




**(** 

# sinthesi steel

	H1	H2
For 1 module	117 mm	127 mm
For 2 modules	207 mm	217 mm
For 3 modules	297 mm	307 mm
For 4 modules	387 mm	397 mm



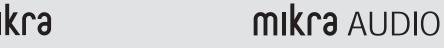
	НЗ
For 1 module	151,5 mm
For 2 modules	241,5 mm
For 3 modules	331,5 mm
For 4 modules	421,5 mm



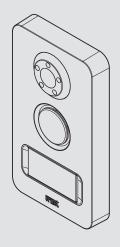


**CURTAILED PANEL** 

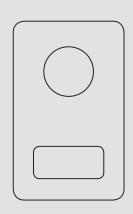
# mıkra



**(** 





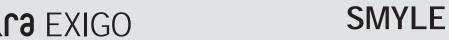




PANEL FACADE

**CURTAILED PANEL** 

# mikra EXIGO

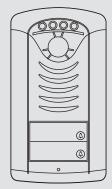






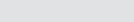


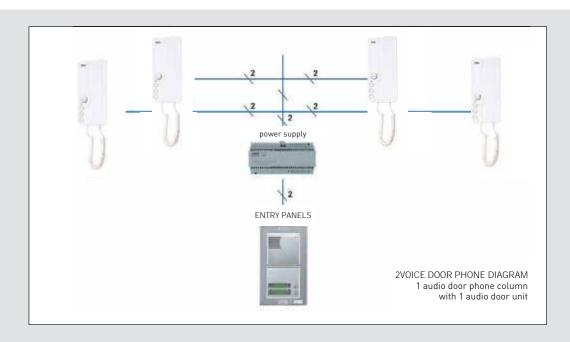






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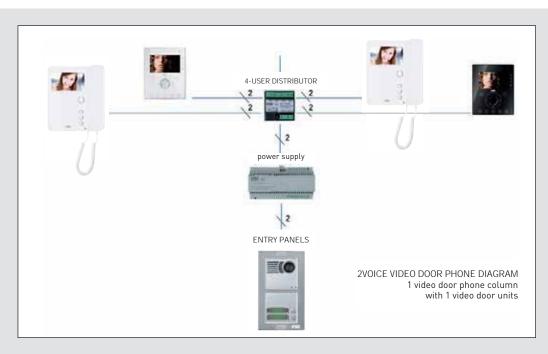
•

### 2VOICE AUDIO SYSTEM WITH SINTHESI S2 PANEL

NO. BUTTONS	1148/62	1148/64	1148/11	1148/12	1148/13	1148/14	1148/50	1145/52	1145/53	1145/54	1083/17	KIT 2VOICE 1183/502	2VOICE door phone Comfort 1183/5
											emmed 1		<b>⊕</b> ∂óó;
2 3 4 6 8 9 10 12 14 15 16 18 20 21 22 24 27 28 30	2	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1	1 1 1 1 1 1 1 1	1	1 1 1 2 2 3 3 3 4 4 4 5 5 6 6	1 1 1 1 1	2	1 1 1 2 2 2 2 2 2 2	1 1 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 4 6 7 8 10 12 13 14 16 18 19 20 22 25 26 28

296 Urmet



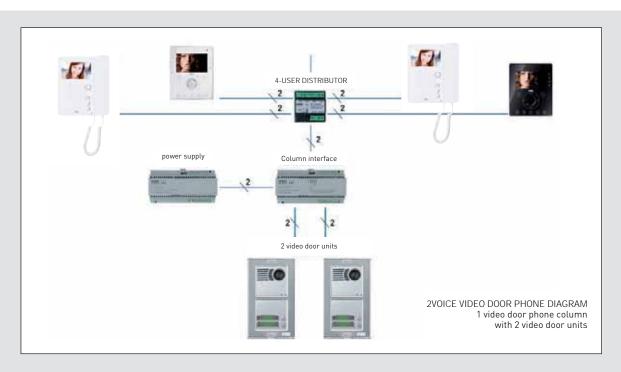


**(** 

### 2VOICE AUDIO SYSTEM WITH SINTHESI S2 PANEL AND MIRO OR AIKO COLOUR MONITOR

NO. BUTTONS	1148/62	1148/63	1148/64	1148/11	1148/12	1148/13	1148/14	114850	1145/52	1145/53	1145/54	1083/55	1038/17	KIT 2VOICE 1783/322	MìRO 1750/1	KIT 2VOICE 1783/432	AIKO 1716/2
ON													onmost 10 post				1.69.8
2 3 4 6 8 9 10 12 14 15 16 18 20 21 22 24 27	1 1 1	1 1 1 2 2 2 2 2 2	2 2 2 2	1 1	1 1 1 1 1 1	1	1 1 1 2 2 3 3 3 4 4 4 4 5 5	1 1 1 1 1	1 1 1	1 1 1 1 2 2 2 2 2 2 2	2 2 2 2 2	1 1 1 1 1 2 2 2 3 3 3 4 4 4 5 5 5 6 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 4 6 7 8 10 12 13 14 16 18 19 20 22 25	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 4 6 7 8 10 12 13 14 16 18 19 20 22 25
28 30		3			1		6 7			3		6 7	2 2	1	26 28	1	26 28





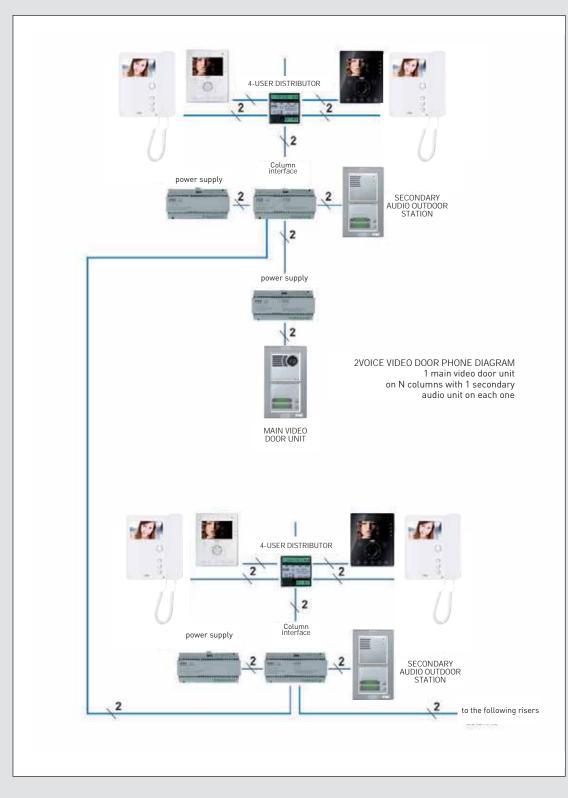
**(** 

### 2VOICE VIDEO SYSTEM WITH SINTHESI S2 PANEL AND MIRO OR AIKO COLOUR MONITOR

TONS	1148/62	1148/63	1148/64	1148/11	1148/12	1148/13	1148/14	1148/50	1145/52	1145/53	1145/54	1083/77	1083/50	1083/55	1038/17	KIT 2 VOICE 1783/322	MÌRO 1750/1	KIT 2 VOICE 1783/432	AIK0 1716/2
NO. BUTTONS		1	1				1		1	1	1		1			KIT 2		KIT 2	
2	1								1			1	1	0		1		1	
3		2		2						2		1	1	1	2	1	1	1	1
4		2			2					2		1	1	1	2	1	2	1	2
6		2					2			2		1	1	1	2	1	4	1	4
8	2				2		2		2			1	1	1	2	1	6	1	6
9	2					2	2		2			1	1	2	2	1	7	1	7
10	2						4		2			1	1	2	2	1	8	1	8
12		4			2		4	1		4		1	1	2	2	1	10	1	10
14		4					6	1		4		1	1	3	2	1	12	1	12
15		4		2			6			4		1	1	3	2	1	13	1	13
16		4			2		6			4		1	1	3	2	1	14	1	14
18		4					8			4		1	1	4	2	1	16	1	16
20			4		2		8	1			4	1	1	4	4	1	18	1	18
21			4			2	8	1			4	1	1	5	4	1	19	1	19
22			4				10	1			4	1	1	5	4	1	20	1	20
24			4		2		10				4	1	1	5	4	1	22	1	22
27		6		2			12			6		1	1	6	4	1	25	1	25
28		6			2		12			6		1	1	6	4	1	26	1	26
30		6					14			6		1	1	7	4	1	28	1	28

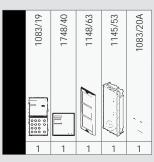
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S	NO. BUTTONS	1083/77	1083/20A	1148/62	1148/63	1148/64	1148/11	11043/12	1148/13	1148/14	1148/50	1145/52	1145/53	1145/54	1083/17
MAIN VIDEO OUTDOOR STATION WITH BUTTONS	NO. B	1	, , ,				, n								
$\geq$	4	1	1		1			1					1		1
Z	6	1	1		1					1			1		1
0	8	1	1	2				1		1		2			1
ΑT	9	1	1	2					1	1		2			1
Ξ	10	1	1	2				_		2		2			1
~	12	1	1		2			1		2	1		2		1
Ö	14	1	1		2 2 2 2 2		1			3	1		2		1
0	15 16	1	1 1		2		1	1		3			2 2		1
E	18	1	1		2			'		4			2		1
$\supseteq$	20	1	1			2		1		4	1		2	2	2
0	21	1	1			2		'	1	4	1			2	2 2
Щ	22	1	1			2			'	5	1			2	2
	24	1	1			2		1		5	· ·			2	2
2	27	1	1		3	_	1	ı '		6			3	_	2 2 2 2
$\leq$	28	1	1					1		6			3		2
$\preceq$	30	1	1		3					7			3		2

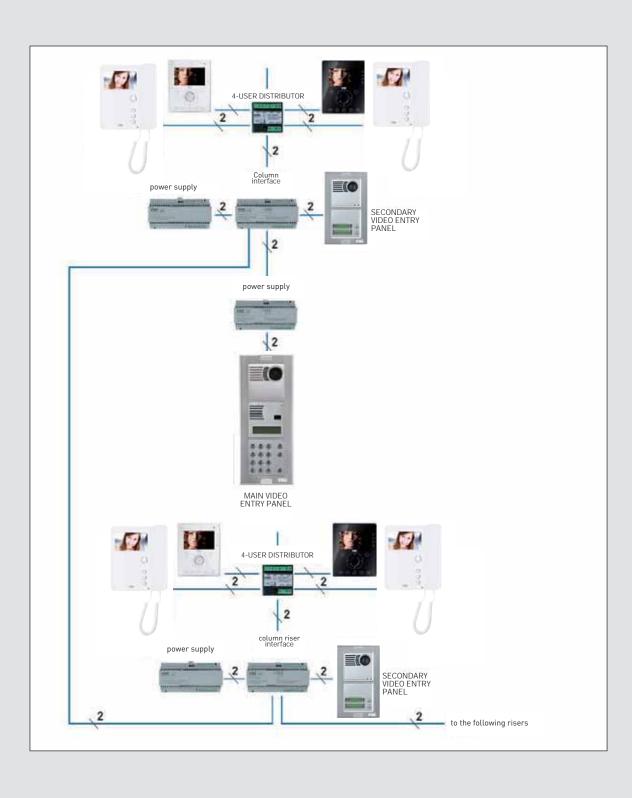
1083/19 SINTHESI VIDEO PUSHBUTTON PANEL: MAIN VIDEO DOOR UNIT WITH DIGITAL KEYPAD



	NO. BUTTONS	1083/9	1148/62	1148/63	1148/64	1148/11	1148/12	1148/13	1148/14	1148/50	1145/52	1145/53	1145/54	1083/17	1083/20A	1083/50	1083/55	MìRO 1750/1	AIKO 1716/2	MODO 1717/12
COMPOSITION OF EACH SECONDARY COLUMN						: o	000	0000	3000					i ii j	, ,	, , ,	Æ		- T	<u></u>
ΥC	2	1	1								1				1	1	1	2	2	2
Ŕ	3	1		1		1						1		1	1	1	1	3	3	3
DΑ	4	1		1			1		1			1		1	1	1	1	4	4	4
Z	6 8	1 1	2				1		1		2	1		1	1 1	1	2	6 8	6	6
20	9	1	2		1		1	1	1		2		1	1	1	1	2	9	8	8 9
E(	7 10	1			1			'	2				1	1	1	1	3	10	10	10
7	12	1		2	'		1		2	1		2	'	1	1	1	3	12	12	12
CF	14	1		2			•		3	1		2		1	1	1	4	14	14	14
ΞA	15	1		2		1			3			2		1	1	1	4	15	15	15
Ч.	16	1		2			1		3			2		1	1	1	4	16	16	16
0	18	1		2					4			2		1	1	1	5	18	18	18
N	20	1			2		1		4	1			2	2	1	1	5	20	20	20
$\geq$	21	1			2			1	4	1			2	2	1	1	6	21	21	21
SI	22	1			2				5	1			2	2	1	1	6	22	22	22
Ó	24	1			2		1		5				2	2	1	1	6	24	24	24
MF	27	1		3		1			6			3		2	1	1	7	27	27	27
0	28	1		3			1		6			3		2	1	1	7	28	28	28
$\circ$	30	1		3					7			3		2	1	1	8	30	30	30

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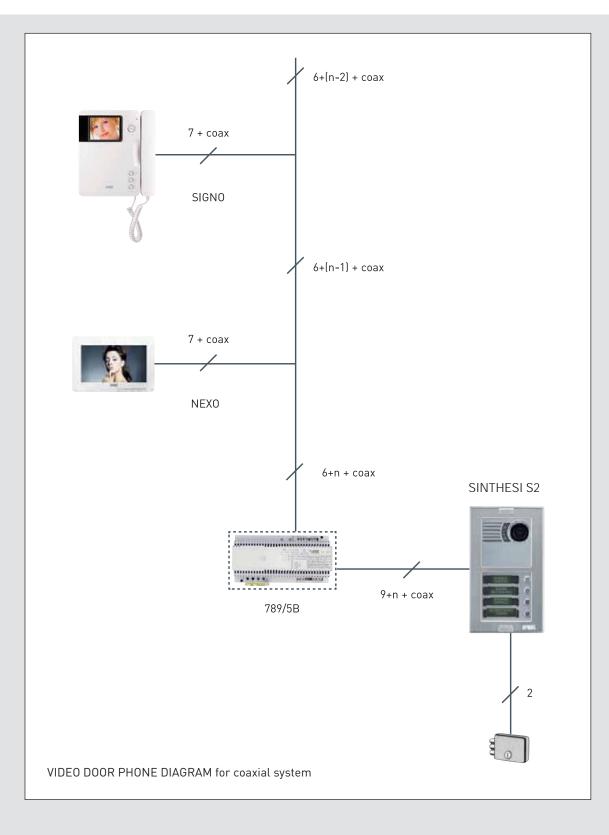
2 3 1 1 1 1 6 1 8 1 9 1 10 1 10 1 12 2 14 2 14 2 15 2 16 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ON OF EACH SECONDARY COLUMN  8 9 7 8 8 7 1148/62  1 1 1 1148/64  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 COLUMN No. BUTTONS 1148/62 1148/64 1148/11 1148/13	1083/19 1   1   1   1   1   1   1   1   1   1	1083/19 1748/40 1148/63 1145/53 1083/20A NO. BUTTONS	1083/19 1748/40 11148/63 1145/53 1083/20A
1 1 1 1		1148/50	1 1 1 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1		1183/20A 1148/62
1 1 1 2 2 2 2 2		1145/53			1148/63
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1083/55			1148/12
		KIT 2 VOICE 1783/322	1 1 2 2 2 2 2 2 3 3 1 3 3 4 4 1 4 1 5 1 5 6 6 6 6 7 7		1148/14
1 1 2 1 2 4 4 1 2 8 8 1 8 8 1 1 2 1 1 1 1 1 1 1 1 1 1		1750/1 KIT 2 VOICE 1783/432			1145/53

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### COAX VIDEO DOOR PHONES



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### COAX VIDEO DOOR PHONES

▲ SINTHESI S2 PUSHBUTTON PANEL: WITH COLOUR CAMERA, FROM 1 TO 20 BUTTONS (SIGNO COLOUR, NEXO)

**(** 

NO. BUTTONS			-	2	က	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20
SIGNO	1740/90		-	2	c	4	2	9	7	∞	6	10	-	12	13	14	15	16	17	18	19	20
COLOR	1740/40	,0	-	2	3	4	2	9	7	∞	6	10	<del></del>	12	13	14	15	16	17	18	19	20
NEXO	1708/1		-	2	3	4	2	9	7	∞	6	10	=======================================	12	13	14	15	16	17	18	19	20
	1148/64			1	1	1	ı	1		1		-	<b>—</b>	-	-		1	1	,	1		
FRAMES AND MODULE HOLDERS	1148/63		1	ı	ı		ı	-	-	-	-	ı	ı	,	ı	2	2	2	2	2	2	2
HOLDERS	1148/62	ם	-	-	·	-	-	,	ı		ı	,	,	ı	ı	1			,			ı
	1148/59			ı	ı	1	ı	1		ı		ı		1			1	1		1	1	1
	1148/50			ı	1		ı	,	ı		1	ı			ı	-			-			1
MODULES WITH BUTTONS	1148/14		1	ı	1		-	-	-	-	2	2	2	2	3	3	3	4	4	4	4	4
AND REPERTORY MODULE	1148/13	000	-	ı	1	-	ı	,	ı	-	1	ı		-	ı		-					-
	1148/12	©°		ı	-		ı	,	-	,		ı	-								-	
	1148/11	<u> </u>	-	ı	1	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı		ı		ı
	1145/54		1	ı	1	ı	ı	ı	1	ı	1	-	-	-	-						1	ı
EMBEDDING	1145/53		1	ı	1	1	ı	-	-	-	-	ı	1	ı	1	2	2	2	2	2	2	2
BOXES	1145/52		1	<b>—</b>	-	-	-	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	1	ı
	1145/51		-	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı		ı		ı
SYSTEM BASE KIT	1748/770		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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### COAX VIDEO DOOR PHONES

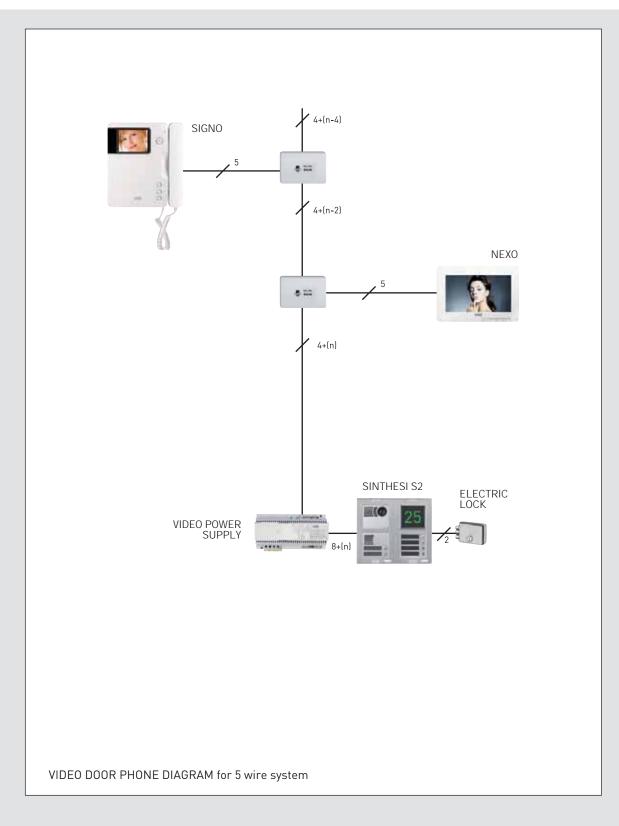
▲ SINTHESI STEEL PUSHBUTTON PANEL: WITH COLOUR CAMERA FROM 1 TO 20 BUTTONS (SIGNO, NEXO)

**(** 

NO. BUTTONS			-	7	ო	4	2	9	7	œ	တ	은	Ξ	12	13	14	15	16	17	18	19	20
POWER SUPPLY	789/5b		-	-	<b>—</b>	-	-	-	-	_	<b>—</b>	<b>—</b>	-	<b>—</b>	-	<b>—</b>	-	_	_	<b>—</b>	-	-
	1740/90		-	2	က	4	2	9	7	œ	6	10	=	12	13	14	15	16	17	18	19	20
SIGNO COLOURS	1740/40		-	2	က	7	2	9	7	œ	6	10	1	12	13	14	15	16	17	18	19	20
NEXO	1708/1		-	2	က	4	2	9	7	œ	6	10	=	12	13	14	15	16	17	18	19	20
P.E.	1145/500	B		-	1		1	-				-	1	1	1	-	-	-		-	1	
MODULE FOR P.E.	1158/22	ů	1	-	,		1	-	ı	,		-	1	ı	ı	-	ı	-	ı	-	,	1
	1158/20		,	1	1	ı	1	ı	ı	1	1	1	1	ı	ı	ı	_	ı	ı	ı	1	1
TLC MODULE WITH P.E.	1758/41	βĵ	-	ı	-	-	-	ı	-	-	-		-	-	-	1	ı	1	-	1	-	1
TLC MODULE	1758/40		,	-	1	ı	1	-	1	1	1	_	1	1	ı	-	-	-	ı	_	1	1
	1158/64		,	,	,	,	1	ı	,	ı	,	-	-	-	_		,	,	ı		ı	,
FRAMES AND MODULE	1158/63				,	ı	1	_	-	_	_	,	ı	ı	ı	2	2	2	2	2	2	2
HOLDERS	1158/62			-	-	-	-	ı		ı			ı	1	ı	1	,		1			1
	1158/61		-	1		1	1	ı		ı			ı	1	ı	1		1	1	1	1	1
	1158/59			1	1	1	1	ı	ı	1	1	1	1	1	ı		ı			1	1	1
	1158/50		,	1	1	1	1	ı	ı	1	1	1	1	1		_	ı		<b>—</b>	1	1	1
MODULES WITH BUTTONS AND	1158/14	9000	,	1	1		-	<b>—</b>	<b>-</b>	-	2	2	2	2	က	က	က	4	4	4	4	4
REPERTORY MODULE	1158/13		1			_	1	ı	,	-			ı	_	1	1	-	1		1		1
	1158/12			ı	_	ı	1	ı	-	ı	1	1	-	1	ı		ı				-	1
	1158/11	Ů	ı				ı	ı	ı	ı	ı		1	ı	1	1	ı	ı		1		
	1145/54							1				-	-	_	-		1	ı			ı	
EMBEDDING	1145/53		,	1	1	1	1	-	-	-	-	1	1	1	ı	2	2	2	2	2	2	2
BOXES	1145/52			-	_	_	_	ı	ı	1	1	1	1	1	ı	1	ı	ı		ı	1	1
	1145/51		<b>~</b>	1	1			ı	ı		ı	1	1		ı	ı	ı	ı	1	1	1	1

▲ Colour

### 5 WIRES VIDEO DOOR PHONES



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# SINTHESI S2 PUSHBUTTON PANEL: WITH COLOUR CAMERA FROM 1 TO 20 BUTTONS (SIGNO, NEXO)

**(** 

NO. BUTTONS			-	2	က	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20
	1740/955		-	2	3	4	2	9	7	00	6	10	=	12	13	14	15	16	17	18	19	20
SIGNO	1740/40	0	-	2	3	4	2	9	7	œ	6	10	<u></u>	12	13	14	15	16	17	18	19	20
NEVO	1708/955	III)	-	2	3	4	2	9	7	∞	6	10	=	12	13	14	15	16	17	18	19	20
NEXO	1708/1		<b>—</b>	2	3	4	2	9	7	œ	6	10	=	12	13	14	15	16	17	18	19	20
VIDEO DISTRIBUTOR	955/40				-	-	-	-	2	2	2	2	3	3	3	4	4	4	4	4	2	2
LOUNDSPEAKING UNIT	1158/74	Œ.	1	,	-	-	-	-	2	2	2	2	3	3	3	4	4	4	4	4	2	2
	1148/64					ı	ı	ı	ı	ı	ı	ı	ı	1	ı	ı	1	ı	ı	1	2	2
FRAMES AND MODULE HOLDERS	1148/63		ı	ı	-	-	-	-	ı	ı	ı	ı	2	2	2	2	2	2	2	2	ı	ı
1102DENO	1148/62		-	<b>—</b>					2	2	2	2										1
	1148/59		1		1	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	ı	ı	1	1	ı	ı	1
	1148/50					ı	ı	ı	ı	ı	ı	ı	-	-	-	-	1	ı	ı	1	-	-
MODULES WITH BUTTONS	1148/14		1		1	-	-	-	~	2	2	2	2	3	3	3	3	4	4	4	4	2
AND REPERTORY MODULE	1148/13		1	1	_	ı	ı	ı	-	ı	ı	ı	-	1	ı	1	_	1	1	1	-	1
	1148/12		1		1	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	1	1	1	1	1	ı	1
	1148/11	[]	,	,	,	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	1	1	1	1	1	ı	1
	1145/54		-		,	ı	ı	ı	1	ı	ı	ı	ı	ı	ı	ı	1	ı	ı	1	2	2
EMBEDDING BOXES	1145/53		1		<b>—</b>	<b>-</b>	<b>-</b>	<b>-</b>	1	ı	ı	,	2	2	2	2	2	2	2	2	,	1
	1145/52		-	-	1	ı	ı	ı	2	2	2	2	ı		ı		1			1	ı	1
SYSTEM BASE KIT	1748/795			1		1	1	1	ı	1	1	ı	1	1	1	1	1	ı	ı	1	1	ı



### 5 WIRES VIDEO DOOR PHONES

▲ SINTHESI STEEL PUSHBUTTON PANEL: WITH COLOUR CAMERA FROM 1 TO 20 BUTTONS (SIGNO, NEXO)

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NO. BUTTONS			-	7	က	7	гo	9	7	<b>∞</b>	٥	9	Ε	12	13	17	15	16	11	18	19	20
POWER SUPPLY	789/5b	1	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	_	-	_	-
	1740/955		-	2	က	7	2	9	7	∞	6	10	=	12	13	14	15	16	17	18	19	20
SIGNO COLOUR	1740/40		_	2	က	4	2	9	7	∞	6	10	11	12	13	14	15	16	17	18	19	20
NEXO	1708/955		-	2	3	7	2	9	7	8	6	10	=	12	13	14	15	16	17	18	19	20
	1708/1		-	2	က	4	2	9	7	∞	6	10	Ξ	12	13	14	15	16	17	18	19	20
VIDEO DISTRIBUTOR	955/40		1	ı	<b>—</b>	<b>—</b>	2	2	2	2	က	က	က	က	7	4	4	4	2	2	വ	2
ENTRY PANELS	1145/67	Ø	-	-	-	<b>—</b>	-	-	-	-	<b>—</b>	-	-	-	-	<b>—</b>	<b>—</b>	-	-	-	_	-
MODULE	1158/21		_	ı	ı	1	_	ı		1	-		1	ı	-	1	ı	ı	_	ı	ı	ı
FOR P.E.	1158/20		1	_	-	-	ı	_	-	-		-	_	_	ı	-	-	_	1	_	_	-
TLC MODULE	1158/40	:	_	-	-	<u></u>	-	-	-	-	<u></u>	-	_	-	-	_	<b>—</b>	-	-	-	-	-
SECRECY OF CONVERSATION	1158/74	Œ.	,	ı	-	_	-	-	2	2	2	2	က	က	က	7	4	7	4	7	2	2
	1158/64 🙎		,	ı	ı	1	ı	-	-	-	_	1	1	ı	ı	1	ı	ı		2	2	2
FRAMES AND MODULE	1158/63		,	-	-	_	_	1	ı		ı	2	2	2	2	2	2	2	2	1	ı	1
HOLDER	1158/62		_	ı	ı	1	ı	ı	ı	1	1	ı	1	ı	ı	1	ı	ı	,	ı	ı	ı
	1158/61		ı	ı	ı	1	ı	ı	1	1	1	1	1	ı	ı	1	ı	ı	,	ı	ı	ı
	1158/59		ı	ı	ı	ı	ı	ı	ı	1	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı
	1158/50		1	ı	ı	ı	ı	ı	ı	1	ı	-	_	_	_	1	ı	ı	1	_	_	-
MODULES WITH BUTTONS AND	1158/14		,	ı		_	_	_	-	2	2	2	2	3	3	3	4	4	4	4	4	2
REPERTORY MODULE	1158/13		,	ı	-		ı	ı	-			ı	-	ı	ı	-	ı	ı	,	ı	_	1
	1158/12	ůů	1	-	ı	1		-	ı	1	1	-	1	ı		-	ı			-	ı	ı
	1158/11	Ů		ı	ı	1		ı			1			ı			ı	ı	ı		ı	ı
	1145/54		,	1			1	-	_	-	-		,	1	1	,		1		2	2	2
EMBEDDING	1145/53		,	-	-	_	_			,	1	2	2	2	2	2	2	2	2			1
BOXES	1145/52		-	ı	1	1	,	1	1	1	1	1	1	ı	,	1	1	,		,	,	1
	1145/51		,	1			1	1	ı	,		ı	,	1	1	,	,	1	,	1	1	1

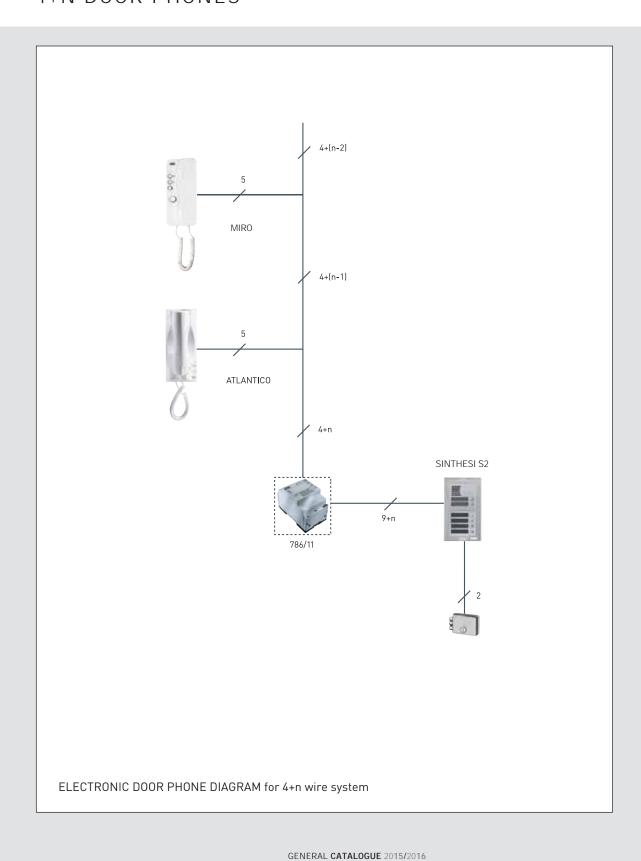
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# 4+N DOOR PHONES



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### 4+N DOOR PHONES

### SINTHESI S2 PUSHBUTTON PANEL: FROM 1 TO 20 BUTTONS

((ATLANTICO DOOR PHONE, MIRO)

	l													21		_	10	٠.	_			
NO. BUTTONS			-	2	3	4	2	9	7	ω	6	10	7	12	13	14	15	16	17	18	19	20
ATLANTICO DOOR PHONE	1133/1	- Wallet Son	-	2	3	4	2	9	7	∞	6	10	=	12	13	14	15	16	17	19	19	20
MIRO	1150/1	òòò Ø	<b>~</b>	2	33	4	2	9	7	8	6	10		12	13	14	15	16	17	18	19	20
POWER SUPPLY	786/11		-	-	_	_	-	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-
	1148/64		1	ı	1	ı	1	ı	ı	ı	ı	ı	_	-	-	-	1	1	1	ı	1	1
FRAMES AND MODULE	1148/63		,	ı	ı	ı	1	ı	-	~	-	-	1	ı	ı	ı	2	2	2	2	2	2
HOLDER	1148/62				-	-	-	~	ı	ı	1	ı	,	ı	ı	ı	1	ı	1	1	ı	ı
	1148/61		-	-	1	1	ı	ı	ı	ı	ı	ı	1	ı	ı	ı	ı	ı	ı	ı	1	ı
	1148/59		,		'	'	1	,	ı	ı	,	,	1	,	,	ı	1	ı	,	1	ı	ı
	1148/50		1		'	'	1	1	ı	ı	1	1	1	1	1	ı	-	-	-	-	ı	1
MODULES WITH BUTTONS AND	1148/14		1	ı	,	-	-	-	-	2	7	7	7	33	33	3	c	4	4	4	4	2
REPERTORY MODULE	1148/13		,	ı	-	ı	1	ı	-	ı	ı	ı	-	ı	ı	ı	-	ı	1	ı	-	ı
	1148/12	$\begin{bmatrix} \vdots \\ \end{bmatrix}$	1	ı	1	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı
	1158/11	$\begin{bmatrix} \circ \\ \end{bmatrix}$				1	1	1	ı	1	1	1	,	1	1	ı	1	1		1	1	
LOUDSPEAKING UNIT	1145/500		-	-	_	_	-	-	-	~	-	-	-	-	-	-	-	<b>—</b>	-	_	-	-
MODULES	1148/22		1	-	'	'	1	-	ı	ı	1	-	1	1	1	-	1	ı	1	-	ı	1
ARRANGED FOR LOUDSPEAKING	1148/21	<u> </u>	-	ı	1	1	-	ı	ı	ı	-	ı	1	ı	-	ı	1	ı	-	1	ı	ı
UNIT	1148/20	]III(	1	ı	-	_	1	ı	-	-	ı	ı	_	-	ı	ı	-	-	1	1	-	-
	1145/54		1	ı	1	1	ı	ı	ı	ı	ı	ı	<b>—</b>	<b>-</b>	<b>—</b>	<del></del>	ı	ı	ı	1	ı	1
EMBEDDING	1145/53		1	ı	,	ı	ı	ı	-	-	-	-	ı	ı	ı	ı	2	2	2	7	2	2
BOXES	1145/52				-	-	-	~	ı	ı	1	1	1	1	1	ı	1	ı	,	1	ı	ı
	1145/51		-	-	,	1	ı	ı	1	1	ı	ı	1	ı	ı	1	1	ı	1	1	1	1

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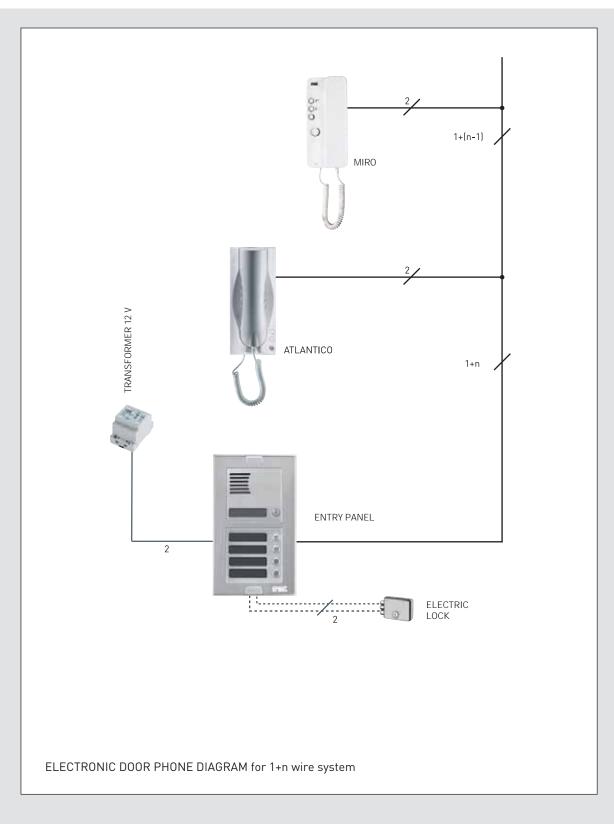
### SINTHESI STEEL PUSHBUTTON PANEL: FROM 1 TO 20 BUTTONS

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((ATLANTICO DOOR PHONE, MIRO)

NO. BUTTONS			-	2	က	4	2	9	7	ω	6	10	11	12	13	14	15	16	17	18	19	20
ATLANTICO DOOR PHONE	1133/1	- source SSS	-	2	3	4	2	9	7	00	6	10	=	12	13	14	15	16	17	18	19	20
MIRO	1150/1	ŏŏŏ <b>Ø</b>	-	2	3	4	2	9	7	∞	6	10	<b>=</b>	12	13	14	15	16	17	18	19	20
POWER SUPPLY	786/11		-	<b>—</b>	_	~	<b>—</b>	-	-	<b>—</b>	<b>—</b>	<b>—</b>	-	<b>—</b>	-	<b>—</b>	-	-	-	<b>—</b>	-	-
	1158/64			ı	,	ı	ı	ı	ı	ı	ı	~	~	~	~	ı	ı	ı	1	1	ı	ı
FRAMES AND MODULE	1158/63		1		1	ı	ı	-	-	-	-	1	ı	ı	ı	2	2	2	2	2	2	7
HOLDER	1158/62		'	-	-	<b>—</b>	<b>—</b>	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	,	ı
	1158/61		-	-	,	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	1	1	1	1
	1158/59			ı		ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı
	1158/50			ı	1	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	<b>—</b>	<b>—</b>	-	-	1	1	ı
MODULES WITH BUTTONS AND	1158/14			ı	,	-	<b>—</b>	-	-	2	2	2	2	co	3	3	33	4	4	4	4	2
REPERTORY MODULE	1158/13			ı	-	ı	ı	ı	-	ı	ı	ı	-	ı	ı	ı	<b>—</b>	ı	1	1	-	ı
	1158/12			-	,	ı	ı	-	ı	1	1	<b>—</b>	ı	ı	ı	<b>—</b>	ı	ı	1	-	1	ı
	1158/11			1	1	ı	1	ı	ı	1	1	1	ı	1	ı	1	ı	ı	1			ı
LOUDSPEAKING UNIT	1145/500		-	-	_	-	<b>—</b>	-	-	~	~	~	-	<b>—</b>	-	-	-	-	_	-	-	-
MODULES	1158/22		1	-	'	ı	ı	-	ı	ı	ı	-	ı	ı	ı	-	ı	1	1	-	1	1
ARRANGED FOR LOUDSPEAKING	1158/21	1111	-	ı	'	ı	<b>.</b>	1	ı	ı	-	ı	ı	ı	<del></del>	ı	ı	,	-	1	1	1
UNIT	1158/20	`` ```	,	ı	-	-	ı	ı	-	-	ı	ı	-	-	1	ı	-	-	ı	ı	-	-
	1145/54		1	ı	1	ı	ı	ı	ı	ı	ı	ı	<del></del>	<b>—</b>	<del></del>	-	ı	ı	1	ı	ı	ı
EMBEDDING	1145/53		1	ı	1	ı	ı	ı	-	-	-	-	ı	ı	ı	ı	2	7	2	7	7	7
BOXES	1145/52		,	ı	-	-	-	-	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	1	ı
	1145/51		-	~	'	1	1	1	1	1	1	1	1	1	1	1	1	1	'	,	1	1

### 1+n DOOR PHONES



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### 1+n DOOR PHONE

### SINTHESI S2 PUSHBUTTON PANEL: FROM 1 TO 20 BUTTONS

(ATLANTICO DOOR PHONE, MIRO)

	_																					
NO. BUTTONS			<u> -</u>	2	3	4	2	9	7	∞	6	10	=	12	13	14	15	16	17	18	19	20
ATLANTICO DOOR PHONE	1133/35 <i>A</i>	THE STATE OF THE S	<b>—</b>	2	3	4	2	9	7	00	6	10	7	12	13	14	15	16	17	18	19	20
MIRO	1150/35	òóo Ø	<b>—</b>	2	3	4	2	9	7	00	6	10	Ξ	12	13	14	15	16	17	18	19	20
POWER SUPPLY	9000/230		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1148/64		,	1		ı	ı	ı		1	ı	-	-	-	-	ı	ı	ı	1	1	1	1
FRAMES AND MODULE	1148/63			1	1		ı	-	-	-	-	ı	ı	ı	ı	2	2	2	2	2	2	2
HOLDER	1148/62		1	-	_	-	-	ı	ı	1	ı	ı	ı	ı	ı	ı	ı	ı	1	1	1	1
	1148/61		-	1	1		ı		1	1	ı	ı	ı	ı	ı	ı	ı	ı	1	1	1	1
	1148/59			1		ı	ı	ı	1	1	ı	ı	ı	ı	ı	ı	ı	ı	1	1	1	1
	1148/50		,	1		ı	1	ı			ı	,	,	ı	ı	-	-	-	-	-	1	1
MODULES WITH BUTTONS AND	1148/14					-	-	-	-	2	2	2	2	3	3	3	3	4	4	4	4	2
REPERTORY MODULE	1148/13			1	-		ı		-	1	ı	ı	-	ı	ı	ı	-	ı		1	-	
	1148/12		1	-	ı	ı	ı	-	ı	1	ı	-	ı	ı	ı	-	ı	ı	1	_	1	1
	1148/11		1	1	1	ı	ı	ı	1	1	ı	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	1
SECRECY OF CONVERSATION	1158/74	Œ.	1	1	-	-	-	-	2	2	2	2	က	33	33	33	4	4	4	4	2	2
LOUDSPEAKING UNIT	1145/67		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODULES	1148/22		,	1	1	ı	1	ı	1	1	1	1	1	ı	ı	1	ı	1	1	1	1	1
ARRANGED FOR LOUDSPEAKING	1148/21		-	ı	1	ı	-	ı	ı	ı	-	ı	ı	ı	-	ı	ı	ı	-	ı	ı	ı
UNIT	1148/20	 111		-	-	-	1	-	-	-	1	-	-	~	ı	<b>~</b>	-	<b>—</b>	1	-	-	-
	1145/54		1	1	1	1	ı	1	1	ı	ı	-	-	-	<b>-</b>	ı	ı	ı	ı	1	ı	ı
EMBEDDING	1145/53		,	1	,	ı	ı	-	-	-	-	ı	ı	ı	ı	2	2	2	2	2	2	2
BOXES	1145/52		,	-	-	-	-	ı	1	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	ı
	1145/51		-	1	'	1	1	1	1	1	ı	1	1	1	1	ı	ı	ı	-	1	-	-

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### 1+n DOOR PHONE

# SINTHESI STEEL PUSHBUTTON PANEL: FROM 1 TO 20 BUTTONS (ATLANTICO DOOR PHONE, MIRO)

•

NO. BUTTONS			-	2	က	4	2	9	7	8	6	10	1	12	13	14	15	16	17	18	19	20
ATLANTICO DOOR PHONE	1133/35A	THE STATE OF THE PARTY OF THE P	-	2	3	4	2	9	7	ω	6	10	=	12	13	14	15	16	17	18	19	20
MIRO	1150/35	ooo O	-	2	3	4	2	9	7	ω	6	10	<u></u>	12	13	14	15	16	17	18	19	20
POWER SUPPLY	9000/230		-	-	<del></del>	-	<b>—</b>	<b>—</b>	-	-	-	-	-	-	-	<b>—</b>	-	-	-	-	-	-
	1158/64				1							-	<b>-</b>	-	-	,	,					1
	1158/63		1		-		1	-	-	-	-	ı	ı	ı		2	2	2	2	2	2	2
AND MODULE HOLDER	1158/62		1	-	_	-	_	1	ı	ı	ı	1	ı	ı	ı	1	ı	ı	ı	ı	ı	ı
	1158/61		-	1	ı	1	1	1	ı	1	ı	1	ı	ı	ı	1	1	ı	ı	ı	ı	ı
	1158/59		ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı
	1158/50		ı	1	1	1	1	1	ı	1	ı		ı	ı	ı	<b>—</b>	<b>—</b>	-	-	1	1	ı
MODULES WITH BUTTONS AND	1158/14				1	-	-	-	-	2	2	2	2	3	3	3	3	4	4	4	4	2
REPERTORY MODULE	1158/13		ı	1	<del></del>	1	1	1	-	1	ı		-	ı	ı	1	<b>—</b>	ı	1	1	-	ı
	1158/12			-			1	-	ı	ı	ı	-	ı	,	,	-	ı	,	ı	-	ı	ı
	1158/11	[]	1	1	ı	1	1	1	ı	1	ı	1	ı	ı	ı	1	1	ı	ı	ı	ı	ı
SECRECY OF CONVERSATION	1158/74	Œ.	1	1	_	-	-	-	7	2	2	2	3	3	3	co	4	4	4	4	2	2
LOUDSPEAKING UNIT	1145/67		-	-	<b>—</b>	-	-	-	-	-	-	-	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	~	<b>—</b>	-	-	-	-
MODULES	1158/22	<u> </u>	1	1	ı	1	1	1	ı	1	ı	1	ı	ı	ı	1	ı	ı	ı	ı	ı	ı
ARRANGED FOR LOUDSPEAKING	1158/21	· · · · · · · · · · · · · · · · · · ·	-	1	1	1	<b>—</b>	1	1	1	-	1	1	ı	-	ı	,	ı	-	1	1	,
UNIT	1158/20	III.	1	-	<u></u>	-		<b>—</b>	<b>—</b>	-	,	-	-	-	,	<b>—</b>	<b>—</b>	-	,	-	-	-
	1145/54		ı	1	1	ı	ı	ı	ı	ı	ı	_	-	_	-	1		ı	ı	ı	ı	ı
EMBEDDING	1145/53		1	1	,	1	1	-	-	-	-	1	ı	ı	ı	2	2	2	2	2	2	2
BOXES	1145/52		1	-	<u></u>	-	<b>—</b>	1	1	1	1	1	1	,	ı	ı	,	ı	1	1	1	1
	1145/51		-	1	1	1			1	1	1		,	1	1	1	,	1	1	1	1	1

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Graphic design: COMUNICO - comunico.info - Turin, Italy Printed by: Stamperia Artistica Nazionale - Turin, Italy

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Printed in July 2015



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