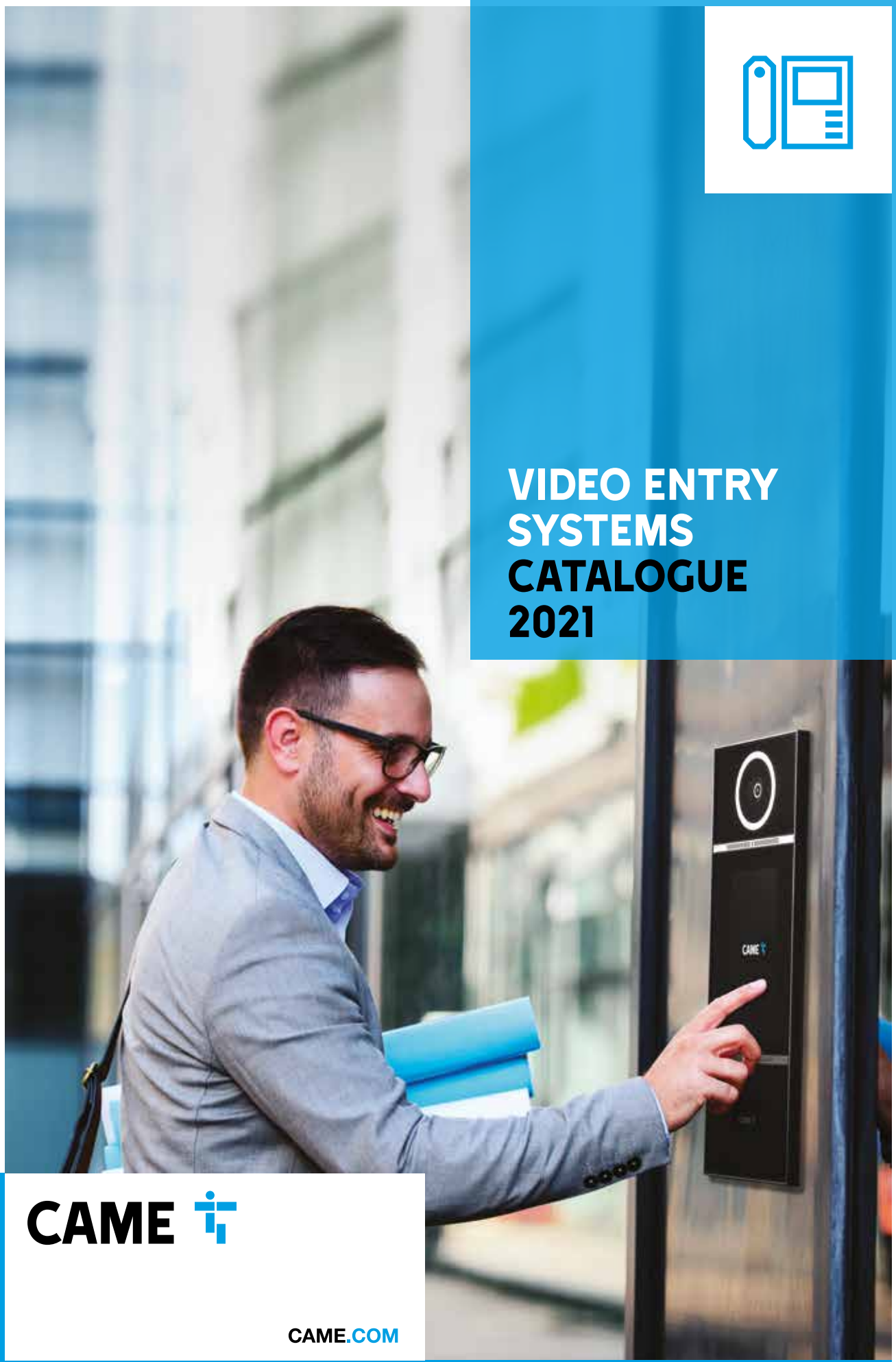
VIDEO ENTRY SYSTEMS CATALOGUE 2021



CAME

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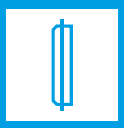
GENERAL INDEX AND LEGEND OF SYMBOLS

Wall mounted



Recess mounted

Wireless

Handsfree audio

Version for the hearing impaired

Water and dust protection

Shock protection rating

3.5" display

4.3" display

5" display

7" display

2 LEGEND OF SYMBOLS

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WE SPEAK ABOUT QUALITY LIVING, IN ALL OF THE WORLD'S LANGUAGES.

CAME has catered to people's needs for over 60 years by using technology as a key to a quality life. Every project drives our innovation and focus to make people's lives as comfortable as possible. CAME is a company where skills and experience come into play. Its know how blends functionality and design continuously improving performance.

You are sure that you can rely on professionals able to transform our innovations into solutions, to create customized automation proposals integrated with the best connectivity and mobility technologies. CAME and its partners, together, to satisfy its increasingly demanding and heterogeneous customers for their culture and needs, in order to transform living spaces into more intelligent and safe places.

CAME

ALWAYS ONE-STEP-AHEAD

CAME is a market-leading brand that makes integrated automation solutions, video-entry, access control and parking systems for the public and private sectors.
The CAME Group boasts a series of highly specialized companies. Together they cover a large share of their market. The group delivers cutting-edge solutions for the residential, business and urban segments. Whether its home automation or heating control, road barriers and high-security bollards, or automatic doors and sectional industrial doors, CAME Group is a key player. Today CAME is set on one, distinct corporate vision, which makes the organization a cutting-edge technological partner.

CAME BPT

CAME PARKARE

CAME URBACO

CAME GO

CAME BTECH

CAME ÖZAK

RESIDENTIAL SOLUTIONS

BUSINESS SOLUTIONS

URBAN SOLUTIONS

RESIDENTIAL SOLUTIONS
We have gone beyond the simple idea of Home Automation, and taken the concept full circle. Now every device is fully integrated and connected into a system that improves people's lives. Today, we believe automation is at the heart of everything: to handle entrances and blinds, to control awnings and shutters, plus video intercom-entry systems, and burglar alarms.

BUSINESS SOLUTIONS
For every public venue, our offer provides the most sophisticated systems for controlling accesses and the most evolved solutions for burglar systems, video-intercom entry panels and barriers for parking facilities. Small and large companies, commercial enterprises, large buildings: CAME-branded Building-Automation operators provide control and safety in both small and large working environments.

URBAN SOLUTIONS
Our offer is geared to meet the different automation needs for urban planning and architectural scenarios. CAME solutions are engineered for managing safety and control in large works and for contributing to the planning of urban spaces so as to make them "Safe and Smart", as called for in today's fast-paced, metropolitan centres.

OUR WORLDWIDE NETWORK.

CAME Group operates the world over.
From its Treviso head office, home to the group's thriving core, CAME coordinates seven manufacturing plants and six R&D units. The group has branches in 21 countries and thanks to its business partners and distributors, it has operations in 118 countries.

The complexity involved in living spaces and in mobility flows require ever greater protection and security, plus enhanced reactive capacity and greater know-how that embrace an integrated and global vision of the world.

CAME is the technology partner for those projects that require integrated systems for improving the quality of our living space - whether private or public. Our products are made for controlling homes, managing urban venues and workplaces, of any kind, anywhere in the world.

The Group shares common goals, which go beyond single specializations. Thanks to the synergies among all the divisions and brands, CAME shares an operating approach that enriches in diversity.

BRANCHES
AMERICA

Brazil
Chile
Mexico
Perù
USA

1700

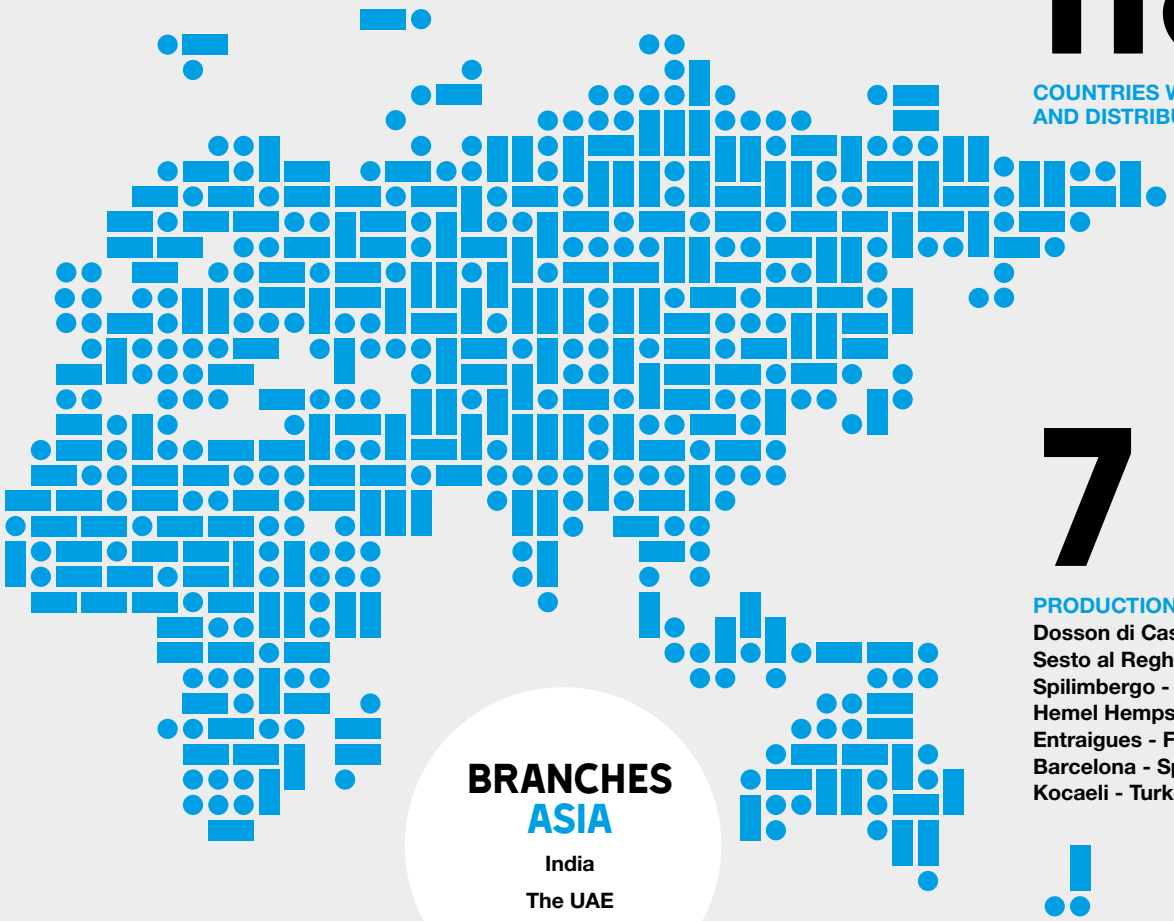
OUR EMPLOYEES AROUND THE WORLD

CAME

CAME HQ
Treviso, Italy

BRANCHES EUROPE

ITALY
BELGIUM
CROATIA
FRANCE
GERMANY
IRELAND
NETHERLANDS
POLAND
PORTUGAL
RUSSIA
SPAIN
UK
TURKEY



BRANCHES ASIA

India
The UAE

BRANCHES AFRICA

South Africa

6
R&D CENTRES

21
COUNTRIES WITH DIRECT BRANCHES

118
COUNTRIES WITH PARTNERS AND DISTRIBUTORS

7
PRODUCTION PLANTS
Dosson di Casier - Italy
Sesto al Reghena - Italy
Spilimbergo - Italy
Hemel Hempstead - UK
Entraigues - France
Barcelona - Spain
Kocaeli - Turkey

480
WORLDWIDE DISTRIBUTORS AND PARTNERS

TRAINING THAT MAKES A DIFFERENCE.

CAME TRAINING TEAM

Professionals have a tough job, which always requires upgrading and updating.
Technical and product developments are not the only issues; the keys to success are a deep regulations knowledge and a strong relationship with customers, that are always more demanding for efficient services.

CAME proposes a series of initiatives geared for spreading knowledge about its products and services to let installers remain updated on new technologies and applicable laws and regulations. Our courses are extremely practical, giving our participants hands on knowledge which they can immediately apply.

A TEAM OF PROS

CAME offers to installers its own team of trainers, composed by technicians specialized in each product lines. All the trainers are internal staff members with great know-how and experience on projects, sales and technical issues. Each course provides the attending professionals with all is necessary for their job, so they can stay abreast of the latest market developments.

FOR INFORMATION AND REGISTRATION:

Send your request to traininginternational@came.com

Call for more information at +39 0422 15 69 511 during business hours.

Upon request, CAME will design and deliver courses, tailored around your needs, by setting up the learning path, course schedule and locations.

IN THE VALUE OF ACTIONS, THE DRIVE TO IMPROVE, ALWAYS. QUALITY INSIDE.

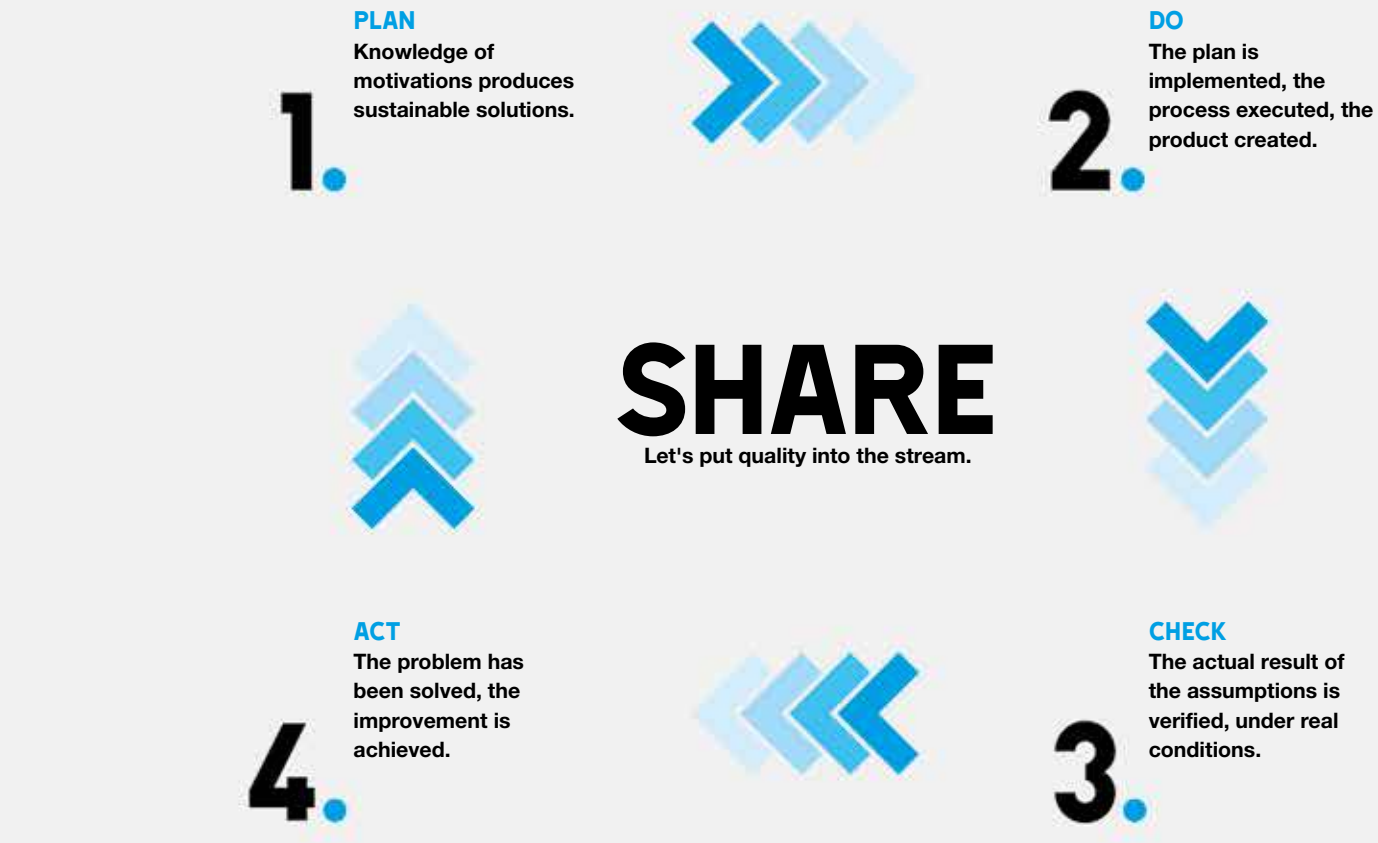
CAME's working methodology is based on the continuous improvement of production processes, security and relationships, but a great result can only be achieved if we all work in the same direction.

Q.I. comes from this awareness. - QUALITY INSIDE - a project that aims at involving CAME women and men and the professionals who use our products as a fundamental tool of their business.

The objectives are clear: we want to raise all the standards of production systems and make quality a widespread and shared value. To the traditional four phases that characterize all the production processes, Q.I. adds a continuous sharing process of the results obtained that aims to spread the positive practices and replicability of the standards achieved.

This scenario brings life to an organizational structure that makes for constant, fruitful and open dialogue among the fundamental areas of the CAME system:
Engineering - Production - Service.

An evolution process that takes shape in a new culture of quality: not only the guiding principle of each action, but the yardstick by which to measure its effectiveness.



QI CAME
QUALITY INSIDE

We implement a production model that allows to digitize each phase, integrating a complete testing methodology that involves 100% of our products and ensures product traceability and continuous improvement through constant monitoring of KPIs. In this context, Assistance and an always active Call Center service are of fundamental importance, as they allow us to increase our quality standards and to guarantee Customer Quality.

Find out more on QUALITY INSIDE
www.came.com/qi

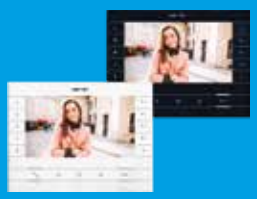
CAME

GUIDE TO SELECTION: RECEIVERS

		ENTRY PHONES		VIDEO ENTRY PHONES		
DESCRIPTION						
		AGT AUDIO	**PERLA AUDIO**	**AGT VIDEO**	**PERLA VIDEO**	
		Handset entry phone	Handsfree entry phone	Handset video entry phone with 5” LCD display	Handsfree video entry phone with 3.5” LCD display	
INSTALLING	Wall (l x h x d) (mm)	116 x 190 x 21 (44.5)	110 x 170 x 31	204 x 190 x 21 (44.5)	145 x 170 x 31	
	Built-in (l x h x d) (mm)	-	-	-	-	
	For table (accessory code)	AGT KT A 840XC-0140	KT A 61800680	AGT KT V 840XC-0150	KT V 62800550	
	Max. absorption	30 mA	80 mA	175 mA	200 mA	
SYSTEMS		X1 XiP 200	X1 XiP IP360	X1 XiP 200	X1 XiP	
COMMANDS	Door opener	✓	✓	✓	✓	
	Automatic door opener	✓ (AGT A EVO)	✓ (PEC IP)	✓	-	
	Cyclical selection	-	-	✓	✓	
	Auxiliary commands (no.)	✓ 1 (AGT A), 2 (AGT A 200/K/EVO), up to 5 (AGT A EVO)	✓ 2 (PEC) up to 4 (PEC IP)	✓ 1	✓ 2	
	Gate opener (Latch)	✓ (excluding 200 system)	-	✓ (excluding 200 system)	-	
FUNCTIONS	Melodies	✓ (excluding 200 system)	✓	✓	✓	
	Intercom	✓ 6 (AGT A EVO), 4 (AGT A200 EVO)	✓ 2	-	✓ 8	
	Porter calling	✓ (excluding AGT A200)	✓	✓	✓	
	In-conversation mute	✓ (excluding system 200)	-	✓ (excluding system 200)	✓	
	Ring exclusion	✓ (excluding AGT A200)	✓	✓	✓	
	In-call zoom	-	-	-	-	
	Audio video recording	-	-	-	-	
	App licences included	-	-	-	-	
ADJUSTMENTS	Ring volume adjustment	✓ (excluding AGT A200)	✓	✓	✓	
	Brightness adjustment	-	-	✓	✓	
	Contrast adjustment	-	-	✓	-	
	Colour adjustment	-	-	✓	✓	

The AGT, Opale and Perla video entry phone receivers are also available in a version with "T" type induction equipment interface device (for wearers of hearing aids).
All the video entry phone receivers are provided with input for calling from the landing.

VIDEO ENTRY PHONES

	FUTURA	OPALE	XTS	
				
DESCRIPTION	Handsfree video entry phone with 7” LCD display	Handsfree video entry phone with 3.5” (Opale) or 4.3” (Opale W) LCD display	Handsfree video entry phone with 5” or 7” touch screen LCD display	
INSTALLING	212 x 161 x 29	158 x 138 x 31	185 x 129 x 24 (7˝) 138 x 98 x 24 (5˝)	
	212 x 161 x 10	158 X 138 X 9	185 x 129 x 11 (7˝) 138 x 98 x 11 (5˝)	
	KT VXL 62800570	KT V 62800550	XTS 7 KT - 840XC-0120 XTS 5 KT - 840XC-0130	
	300 - 500 mA	250 - 360 mA	350 - 520 mA	
SYSTEMS	X1 XIP IP360	X1 XIP	X1 XIP IP360	
COMMANDS	✓	✓	✓	
	-	✓ (Opale Wide)	✓	
	✓	✓	✓	
	✓ ∞ (for IP360) 2 (for X1 and XIP)	✓ 10	✓ ∞	
	-	-	-	
FUNCTIONS	✓	✓	✓	
	✓ ∞ (for IP360) 8 (for X1 and XIP)	✓ 8	✓ ∞	
	✓	✓	✓	
	✓	✓	✓	
	✓	✓	✓	
	-		✓	
	✓ (FUTURA IP) (image memo FUTURA X2)	✓ (Opale Wide)	✓	
	-	-	19 (XTS 7IP), 4 (XTS 7)	
ADJUSTMENTS	✓	✓	✓	
	✓ (FUTURA X1 and X2)	✓	✓	
	✓ (FUTURA X2)	✓	-	
	✓ (FUTURA X1 and FUTURA X2)	✓	-	

GUIDE TO SELECTION: ENTRY PANELS

		MONOLITHIC			
DESCRIPTION					
		XVP	**DIGITHA**	**THANGRAM**	
		Touch screen video door entry panel	Digital monolithic entry panel	Semi-modular monolithic entry panel	
INSTALLING	Wall (l x h x d) (mm)	153 x 406 x 50	-	99 x 254 x 25	
	Wall unit with rain cover (l x h x d) (mm)	-	145 x 383 x 64	104 x 253 x 46	
	Built-in (l x h x d) (mm)	153 x 406 x 15	140 X 380 X 2	127 x 280 x 1,2	
	Built-in unit with rain cover (l x h x d) (mm)	-	144 x 382 x 20	-	
SYSTEMS		IP360	XiP	X1 XiP IP360	
CHARACTERISTICS	Button call	-	-	✓	
	Digital call	✓	✓	✓(with DNA or DCOMBO accessory)	
	Graphical display	-	✓	✓(with DCOMBO accessory)	
	Key backlighting	-	WHITE LEDs (from RFID reader)	BLUE LEDs	
	Touch-screen display	✓ TFT 7"	-	-	
	Protection rating (IP)	IP55	IP54	IP54	
	Grade of impact resistance (IK)	IK08	-	-	
	Electrical locking output (12 V)	✓	✓	✓	
	Relay with configurable activation	✓	-	✓(only IP360 version)	
	Audio volume adjustment	✓	✓	✓	
	Connection, command and timer adjustment of the electrical locking	✓	✓	✓	
	Access Control	✓	✓	✓(with DNA or DCOMBO accessory)	
	Visual indications for the disabled	✓	✓	✓	
	Speech synthesis of messages	✓	✓	-	
	Use without server (Serverless)	✓	-	✓(only IP360 version)	

	MONOLITHIC	MODULAR		
				DESCRIPTION
	LITHOS	**MTM**	**MTM VR**	
	Monolithic entry panel with buttons, expandable to 4 calls	Modular external unit with standard finish	Modular entry panel with vandal-proof finish	
	99 x 207 x 30	-	-	INSTALLING
	102 x 209 x 50	135 x h* x 64 *h = 140, 230, 320 or 410	135 x h* x 64 *h = 140, 230, 320 or 410	
	135 x 243 x 7	130 x h* x 13 *h = 136, 226, 316 or 406	130 x h* x 15 *h = 136, 226, 316 or 406	
	-	136 x h* x 34 *h = 137, 227, 317 or 407	136 x h* x 34 *h = 137, 227, 317 or 407	
	X1	X1 XiP IP360 GSM 200	X1 XiP IP360 GSM 200	SYSTEMS
	✓	✓	✓	CHARACTERISTICS
	-	✓	✓	
	-	✓	✓	
	BLUE LEDs	BLUE AND WHITE LEDs	BLUE AND WHITE LEDs	
	-	-	-	
	IP54	IP54	IP54	
	-	IK07	IK09	
	✓	✓	✓	
	-	✓ (excluding Audio Lite)	✓ (excluding Audio Lite)	
	✓	✓	✓	
	✓	✓	✓	
	-	✓	✓	
	-	✓ (excluding Audio Lite)	✓ (excluding Audio Lite)	
	-	✓ (excluding Audio Lite)	✓ (excluding Audio Lite)	
	-	✓(only IP360 version)	✓(only IP360 version)	

VIDEO ENTRY RECEIVER

18 XTS
26 FUTURA
32 AGT
36 PERLA
40 OPALE

XTS

Hands-free touch screen video intercom

XTS is the video intercom with fully capacitive touch screen TFT display available in 7" and 5" versions. The minimalist design and the quality of the materials enhance its elegance.

The anti-reflective glass screen is equipped with OPTICAL BONDING technology that guarantees perfect viewing in all light conditions, as well as increased scratch and impact resistance.

It is provided with configurable quick commands, AUX for activation of auxiliary functions and a "Panic" button for emergency calls to the porter.

The version with integrated Wi-Fi allows you to manage the system and open the door from your smartphone.

7" 7" display

5" 5" display

Handsfree audio Handsfree audio

Recess mounted
11 mm thick

Wall mounted
24 mm thick

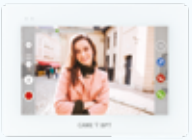
MAIN FUNCTIONS

- Display with OPTICAL BONDING technology
- Unlimited calls to other receivers and smartphones and tablets
- Video answering service, stores up to 100, 10-second audio and video messages.
- Real-time display of IP camera images
- Audio and video recording during conversations
- Sending and receiving text messages from the concierge
- Self-inserting video of entry panels with cyclic selection
- Automatic opening function during business hours

The CAME VIDEOENTRY App allows the user to remotely manage video door phone systems.

Available for free on:
APP STORE and GOOGLE PLAY

THE COMPLETE RANGE

Code	Description	
Video intercoms for the IP360 system		
XTS 7IP WH WIFI **840CH-0060**	**Full touch handsfree video intercom for IP360 system, 7" TFT touch-screen display, WiFi and Graphical User Interface - white.** Wall monitor with 7˝ TFT touch-screen display with Optical Bonding technology, integrated Wi-Fi for remote calls on smartphones running the dedicated app. User interface for managing video intercom unctions, intercom calls, video-messaging, and text messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It includes brace for wall-mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for flush mounting with dedicated box. Compatible with IP360 system.	
XTS 7IP BK WIFI **840CH-0070**	**Full-touch handsfree video intercom for IP360 system, 7˝ TFT touch screen display, Wi-Fi and Graphical User Interface - black.** Wall monitor with 7˝ TFT touch-screen display with Optical Bonding technology, integrated Wi-Fi for remote calls on smartphones running the dedicated app. User interface for managing video intercom unctions, intercom calls, video-messaging, and text messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It includes brace for wall-mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for flush mounting with dedicated box. Compatible with IP360 system.	
XTS 5IP WH **840CH-0090**	**Full-touch handsfree video intercom for IP360 system, 5˝ TFT touch screen display, with Graphical User Interface - white.** Wall monitor with 5˝ TFT touch screen display with Optical Bonding technology. User interface for managing video intercom functions, intercom calls, video-messaging, and text messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It includes brace for wall-mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for flush mounting with dedicated box. Compatible with IP360 system.	
XTS 5IP BK **840CH-0100**	**Full-touch handsfree video intercom for IP360 system, 5˝ TFT touch screen display, with Graphical User Interface - black.** Wall monitor with 5˝ TFT touch screen display with Optical Bonding technology. User interface for managing video intercom functions, intercom calls, video-messaging, and text messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It includes brace for wall-mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for flush mounting with dedicated box. Compatible with IP360 system.	
XTS 7IP WH WFBF **840CH-0080**	**Full-touch handsfree video intercom for IP360 system, 7˝ TFT touch screen display, Wi-Fi and Graphical User Interface - white.** Wall monitor with 7˝ TFT touch-screen display with Optical Bonding technology, integrated Wi-Fi for remote calls on smartphones running the dedicated app. User interface for managing video intercom functions, intercom calls, video-messaging, and text messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It has an audio-frequency induction system for hearing aids, in the "T" position. It includes bracet for wall-mounting on horizontal 503-type boxes and Ø 60 mm round boxes. Ready for flush mounting with dedicated box. Compatible with IP360 system.	

Code	Description

Handsfree video intercoms for X1 and XIP systems

XTS 7 WH WIFI
840CH-0030

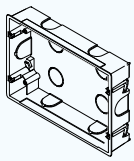
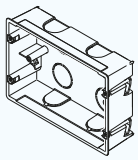
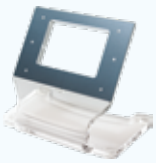
Full-touch handsfree video intercom for X1 system, 7" TFT touch screen display, Wi-Fi and Graphical User Interface - white.
Wall monitor with 7″ TFT touch-screen display with Optical Bonding technology, integrated Wi-Fi for remote calls on smartphones running the dedicated app. User interface for managing video intercom functions, intercom calls, video-messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. Local power supply 14-18 VDC. On-board web server for configuring and updating firmware. It includes brace for wall-mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for recess-mounting with corresponding box. Compatible with the X1 and XIP systems.

XTS 7 BK WIFI
840CH-0040

Full-touch handsfree video intercom for X1 system, 7" TFT touch screen display, Wi-Fi and Graphical User Interface - black.
Wall monitor with 7″ TFT touch-screen display with Optical Bonding technology, integrated Wi-Fi for remote calls on smartphones running the dedicated app. User interface for managing video intercom functions, intercom calls, video-messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. Local power supply 14-18 VDC. On-board web server for configuring and updating firmware. It includes brace for wall-mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for recess-mounting with corresponding box. Compatible with the X1 and XIP systems.

XTS 7 WH WFBF
840CH-0050

Full-touch handsfree video intercom for X1 system, 7" TFT touch screen display, Wi-Fi and Graphical User Interface, on-board teleloop - white.
Wall monitor with 7″ TFT touch-screen display with Optical Bonding technology, integrated Wi-Fi for remote calls on smartphones running the dedicated app. User interface for managing video intercom functions, intercom calls, video-messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. Local power supply 14-18 VDC. On-board web server for configuring and updating firmware. It has an audio-frequency induction system for hearing aids, in the "T" position. Includes bracet for wall mounting on horizontal 503-type boxes and Ø 60 mm round boxes. Ready for flush mounting with dedicated box. Compatible with the X1 and XIP systems.

Code	Description	
Accessories		
XTS 7SI **840XC-0080**	**Recess-mounting box for XTS 7 entry panels.** Plastic recess-mounting box with pre-punched holes for passing the cables, complete with mortar guard.	
XTS 5SI **840XC-0090**	**Recess-mounting box for XTS 5 entry panels.** Plastic recess-mounting box with pre-punched holes for passing the cables, complete with mortar guard.	
XTS 7SIC **840XC-0100**	**Recess-mounting box for plasterboard walls for XTS 7 entry panels.** Plastic recess-mounting box with pre-punched holes for passing cables, ideal for plasterboard walls of up to 22 mm in thickness.	
XTS 5SIC **840XC-0110**	**Recess-mounting box for plasterboard walls for XTS 5 entry panels.** Plastic recess-mounting box with pre-punched holes for passing cables, ideal for plasterboard walls of up to 22 mm in thickness.	
XTS 7KT **840XC-0120**	**Desktop stand for XTS 7 entry panels.** Plexiglass 10 mm-thick stand, supplied with white 3 m CAT5 cable and terminal board cover with PMMA laminate - metallic gray.	
XTS 5KT **840XC-0130**	**Desktop stand for XTS 5 entry panels.** Plexiglass 10 mm-thick stand, supplied with white 3 m CAT5 cable and terminal board cover with PMMA laminate - metallic gray.	

XTS 7IP WH WIFI
840CH-0060

XTS 7IP BK WIFI
840CH-0070

PLUS

- On-board WiFi for remotely controlling calls over smartphones running the specific App
- Up to 19 mobile devices for managing the system from any remote location
- Adjust/exclude ringtone, with alert LED when set to exclude mode
- Customizable user interface with UI Creator software
- Contacts list and favorites list

XTS 5IP WH
840CH-0090

XTS 5IP BK
840CH-0100

PLUS

- Audio video settings: ringtone volume, display brightness, interface backgrounds
- Different melodies for entry panels and landings
- Block display function for cleaning
- Adjust/exclude ringtone, with alert LED when set to exclude mode
- Customizable user interface with UI Creator software
- Contacts list and favorites list

TECHNICAL CHARACTERISTICS

MODELS	XTS 7IP WH WIFI	XTS 7IP BK WIFI	XTS 5IP WH	XTS 5IP BK
Dimensions (mm)	185 x 129 x 24	185 x 129 x 24	138 x 98 x 24	138 x 98 x 24
Local power supply (V)	14 ÷ 18 DC	14 ÷ 18 DC	14 ÷ 18 DC	14 ÷ 18 DC
Local absorption (mA)	-	-	-	-
PoE power supply	IEEE 802.3af-PD	IEEE 802.3af-PD	IEEE 802.3af-PD	IEEE 802.3af-PD
Consumption in stand-by mode (mA)	340	340	270	270
Max. absorption (mA)	420	420	330	330
Operating temperature (°C)	0 ÷ +40	0 ÷ +40	0 ÷ +40	0 ÷ +40
Protection rating (IP)	30	30	30	30
Video standard	H.264	H.264	H.264	H.264
Frequency (MHz)	2.412 - 2.472	2.412 - 2.472	-	-
Wireless Standard	IEEE 802.11b/g/n	IEEE 802.11b/g/n	-	-
Color	White	Black	White	Black

XTS 7 WH WIFI
840CH-0030

XTS 7 BK WIFI
840CH-0040

PLUS

- On-board WiFi for remotely controlling calls over smartphones running the specific App
- Up to 19 mobile devices for managing the system from any remote location
- Adjust/exclude ringtone, with alert LED when set to exclude mode
- Customizable user interface with UI Creator software
- Contacts list and favorites list
- Local power supply 14 -18 VDC

XTS 7 WH WFBF
840CH-0050

PLUS

- Suitable for hearing aid users
- On-board web server for configuring and managing via the browser

TECHNICAL CHARACTERISTICS

MODELS	XTS 7 WH WIFI	XTS 7 BK WIFI	XTS 7 WH WFBF
Dimensions (mm)	185 x 129 x 24	185 x 129 x 24	185 x 129 x 24
Local power supply (V)	14 ÷ 18 DC	14 ÷ 18 DC	14 ÷ 18 DC
Local absorption (mA)	520	520	520
PoE power supply	-	-	-
Consumption in stand-by mode (mA)	360	360	360
Max. absorption (mA)	-	-	-
Operating temperature (°C)	0 ÷ +40	0 ÷ +40	0 ÷ +40
Protection rating (IP)	30	30	30
Video standard	PAL	PAL	PAL
Frequency (MHz)	2.412 - 2.472	2.412 - 2.472	2.412 - 2.472
Wireless Standard	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n
Color	White	Black	White

XTS 7IP WH WFBF
840CH-0080

PLUS

- Full-duplex handsfree audio
- Suitable for hearing aid users

TECHNICAL CHARACTERISTICS

MODELS	XTS 7IP WH WFBF
Dimensions (mm)	185 x 129 x 24
Local power supply (V)	14 ÷ 18 DC
Local absorption (mA)	-
PoE power supply	IEEE 802.3af-PD
Consumption in stand-by mode (mA)	340
Max. absorption (mA)	420
Operating temperature (°C)	0 ÷ +40
Protection rating (IP)	30
Video standard	H.264
Frequency (MHz)	2.412 - 2.472
Wireless Standard	IEEE 802.11b/g/n
Color	White

Notes

FUTURA

Hands-free 7” video intercoms

Futura is the hands-free video intercom with a large 7″ display and soft-touch browsing buttons.

It adapts to any residential or business environment thanks to 3 different models, ranging from the simplest X1 to the most advanced IP.

It has programmable auxiliary controls and a "Panic" button for emergency calls to the porter.

The IP version also allows you to view IP security cameras in real time.

MAIN FUNCTIONS

- Adjust/exclude ringtone, with alert LED when set to exclude mode
- Display saturation and brightness adjustment
- Self-inserting video of entry panels with cyclic selection
- Master/Slave function and video bouncing among receivers during simultaneous calls
- Key block for cleaning function
- Picture Capture function for storing images
- User interface with phonebook and AUX list

7" display

Handsfree audio

Recess mounted
10 mm thick

Wall mounted
29 mm thick

THE COMPLETE RANGE

Code	Description

Handsfree video intercoms for X1 and XIP systems

FUTURA X1 WH
62100520

Handsfree video intercom with 7" LCD display, soft touch keys - white.
Wall monitor with 7″ LCD display. The keys for adjusting/excluding the ringtone, adjusting contrast and brightness, and the 2 auxiliary keys are on the left, while the keys for making up to 8 intercom calls are on the right. In the lower area there are 5 clearly-visible main function keys: communication activation, ringtone exclusion, "Panic" button for the emergency calls to the porter, self-inserting videos form the entry panels, and the door opening key. It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. It comes with a brace for installing in a horizontal or vertical 503-type box and in a Ø 60 mm round box. Compatible with the X1 and XIP systems.

FUTURA X1 BK
62100530

Handsfree video intercom with 7" LCD display, soft touch keys - black.
Wall monitor with 7″ LCD display. The keys for adjusting/excluding the ringtone, adjusting contrast and brightness, and the 2 auxiliary keys are on the left, while the keys for making up to 8 intercom calls are on the right. In the lower area there are 5 clearly-visible main function keys: communication activation, ringtone exclusion, "Panic" button for the emergency calls to the porter, self-inserting videos form the entry panels, and the door opening key. It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. It comes with a brace for installing in a horizontal or vertical 503-type box and in a Ø 60 mm round box. Compatible with the X1 and XIP systems.

FUTURA X1 WH BF
62100590

Handsfree video entry phone with 7” LCD display, “Soft Touch" keys in white colour. Hard of hearing function for wearers of hearing aids.
Wall monitor with 7” LCD display. On the left side, there are buttons for adjusting the ringtone, color saturation and brightness on 2 auxiliary buttons, while on the right side there are buttons that enable up to 8 intercom calls to be made. In the lower area there are 5 clearly-visible main function keys: communication activation, ringtone exclusion, "Panic" button for the emergency calls to the porter, self-inserting videos form the entry panels, and, the door opening key. It features a Master/Slave function and a video relaying between extensions function for simultaneous calls. It integrates an audiofrequency induction system for hearing aids in “T” position. A bracket is included for wall installation on 503 box (horizontal or vertical) and on round box Ø 60 mm. Compatible with the X1 and XIP systems.

Code	Description

Handsfree video intercoms for X1 and XIP systems

FUTURA X2 WH
62100540

Handsfree video intercom with 7" LCD display, soft touch keys, with Picture Capture function - white. Version with separate power supply.
Wall monitor with 7″ LCD display. The buttons for activating on-screen menus, voicemail ("Picture Capture" function), navigation button and the 2 auxiliary buttons are on the left, while the buttons for making up to 8 intercom calls are on the right. In the lower area there are 5 clearly-visible main function keys: communication activation, ringtone exclusion, "Panic" button for the emergency calls to the porter, self-inserting videos form the entry panels, and the door opening key. It comes with a brace for installing in a horizontal or vertical 503-type box and in a Ø 60 mm round box. It requires 16 to 18 V DC - 300 mA max. separate power supply. Compatible with the X1 and XIP systems.

FUTURA X2 BK
62100550

Handsfree video intercom with 7" LCD display, soft touch keys, with Picture Capture function - black. Version with separate power supply.
Wall monitor with 7″ LCD display. The buttons for activating on-screen menus, voicemail ("Picture Capture" function), navigation button and the 2 auxiliary buttons are on the left, while the buttons for making up to 8 intercom calls are on the right. In the lower area there are 5 clearly-visible main function keys: communication activation, ringtone exclusion, "Panic" button for the emergency calls to the porter, self-inserting videos form the entry panels, and the door opening key. It comes with a brace for installing in a horizontal or vertical 503-type box and in a Ø 60 mm round box. It requires 16 to 18 V DC - 300 mA max. separate power supply. Compatible with the X1 and XIP systems.

FUTURA X2 WH BF
62100610

Handsfree video entry phone with 7" LCD display, “Soft Touch” buttons, “Picture Capture” function and white color. Hearing aid function for hearing aid users. Version with separate power supply.
Wall monitor with 7” LCD display. On the left side, there are buttons for screen menu activation, recording activation (“Picture Capture” function), navigation button and the 2 auxiliary buttons, while on the right side there are buttons that enable up to 8 intercom calls to be made. In the lower area there are 5 clearly-visible main function keys: communication activation, ringtone exclusion, "Panic" button for the emergency calls to the porter, self-inserting videos form the entry panels, and, the door opening key. It integrates an audiofrequency induction system for hearing aids in “T” position. A bracket is included for wall installation on 503 box (horizontal or vertical) and on round box Ø 60 mm. Requires separate power supply 16÷18 V DC - 300 mA max. Compatible with X1 and XIP system.

Video intercoms for the IP360 system

FUTURA IP WH
62100560

Handsfree video intercom for IP360 system with 7" display and Graphical User Interface, soft-touch keys - white.
Wall monitor with 7″ LCD display. At the sides of the screen there are buttons for browsing the graphical interface. In the lower area there are 4 clearly-visible main function keys: communication activation, ringtone exclusion, "Panic" button for the emergency calls to the porter and the door opening button. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It comes with a brace for installing in a horizontal or vertical 503-type box and in a Ø 60 mm round box. Compatible with IP360 system.

FUTURA IP BK
62100570

Handsfree video intercom for IP360 system with 7" display and Graphical User Interface, soft-touch keys - black.
Wall monitor with 7″ LCD display. At the sides of the screen there are buttons for browsing the graphical interface. In the lower area there are 4 clearly-visible main function keys: communication activation, ringtone exclusion, "Panic" button for the emergency calls to the porter and the door opening button. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It comes with a brace for installing in a horizontal or vertical 503-type box and in a Ø 60 mm round box. Compatible with IP360 system.

FUTURA X1 WH
62100520

FUTURA X1 BK
62100530

PLUS

- Up to 8 intercom calls
- Two keys for activating the auxiliary/porter call functions
- Activate/exclude audio during conversation

FUTURA X2 WH
62100540

FUTURA X2 BK
62100550

PLUS

- Up to 8 intercom calls
- Two keys for activating the auxiliary/porter call functions
- Activate/exclude audio during conversation
- OSD settings
- 4-wire input for storey entry panel

TECHNICAL CHARACTERISTICS

MODELS	FUTURA X1 WH	FUTURA X1 BK	FUTURA X2 WH	FUTURA X2 BK
Dimensions (mm)	212 x 161 x 29	212 x 161 x 29	212 x 161 x 29	212 x 161 x 29
Power supply by BUS (V)	15 ÷ 20 DC	15 ÷ 20 DC	-	-
Absorption by BUS (mA)	410	410	-	-
Local power supply (V)	16 ÷ 18 DC	16 ÷ 18 DC	16 ÷ 18 DC	16 ÷ 18 DC
Local absorption (mA)	370	370	-	-
PoE power supply	-	-	-	-
Consumption in stand-by mode (mA)	<1	<1	<10	<10
Max. absorption (mA)	-	-	300	300
Operating temperature (°C)	0 ÷ +35	0 ÷ +35	0 ÷ +35	0 ÷ +35
Protection rating (IP)	30	30	30	20
Video standard	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC
Display	-	7” TFT LCD	7” TFT LCD	7” TFT LCD
Color	White	Black	White	Black

FUTURA X1 WH BF
62100590

PLUS

- Up to 8 intercom calls
- Two keys for activating the auxiliary/porter call functions
- Activate/exclude audio during conversation
- Equipped with Audio Induction Loop technology, which allows the use of the video intercom even for hearing aid wearers

FUTURA X2 WH BF
62100610

PLUS

- Up to 8 intercom calls
- Two keys for activating the auxiliary/porter call functions
- Activate/exclude audio during conversation
- OSD settings
- 4-wire input for storey entry panel
- Equipped with Audio Induction Loop technology, which allows the use of the video intercom even for hearing aid wearers

TECHNICAL CHARACTERISTICS

MODELS	FUTURA X1 WH BF	FUTURA X2 WH BF
Dimensions (mm)	212 x 161 x 29	212 x 161 x 29
Power supply by BUS (V)	15 ÷ 20 DC	-
Absorption by BUS (mA)	410	-
Local power supply (V)	16 ÷ 18 DC	16 ÷ 18 DC
Local absorption (mA)	370	-
PoE power supply	-	-
Consumption in stand-by mode (mA)	<1	<10
Max. absorption (mA)	-	300
Operating temperature (°C)	0 ÷ +35	0 ÷ +35
Protection rating (IP)	30	30
Video standard	PAL/NTSC	PAL/NTSC
Display	-	7” TFT LCD
Color	White	White

FUTURA IP WH
62100560

FUTURA IP BK
62100570

PLUS

- On-board web server for configuring on the browser
- Unlimited calls to other receivers and smartphones and tablets
- Real-time display of IP camera images
- Audio/video messages recording on the answering machine
- Video recording of conversations
- Receiving text messages sent by the porter
- Contacts list and favorites list
- Door status feedback
- List of AUX commands for activating auxiliary functions
- Connects directly to the Ethernet network via the RJ45 cable
- Network connection via standard SIP protocol
- H.264 video codec, G711 audio codec
- Local or PoE (Powered over Ethernet) power supply
- Door status feedback
- Live feeds of the connected IP video cameras

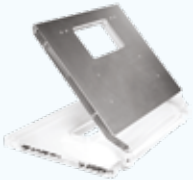
Accessories

FUTURA-SI
62800560

Wall-mounting brace for Futura-series indoor receivers.
Plastic recess-mounting box with metal frame and mortar guard.

KT VXL
62800570

Desktop stand for Futura-series indoor receivers.
Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.



TECHNICAL CHARACTERISTICS

MODELS	FUTURA IP WH	FUTURA IP BK
Dimensions (mm)	212 x 161 x 29	212 x 161 x 29
Power supply by BUS (V)	-	-
Absorption by BUS (mA)	-	-
Local power supply (V)	14 ÷ 20 DC	14 ÷ 20 DC
Local absorption (mA)	-	-
PoE power supply	IEEE 802.3af-PD	IEEE 802.3af-PD
Consumption in stand-by mode (mA)	-	-
Max. absorption (mA)	500	500
Operating temperature (°C)	0 ÷ +35	0 ÷ +35
Protection rating (IP)	20	30
Video standard	H.264	H.264
Display	7” TFT LCD	3.5” TFT LCD
Color	White	Black

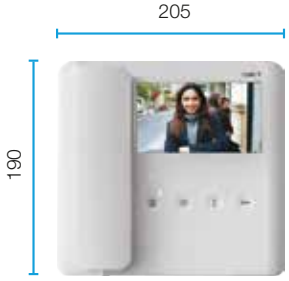
AGT

Handset video intercom

Version for the hearing impaired

Handset

5” display



Wall mounted
44.5 mm thick
(without 21 mm handset)

It includes a bracket for wall mounting on horizontal or vertical 503 box, on 506E box and Ø 60 mm round box.

AGT is the handset video intercom with 5" LCD display which ensures brilliant colors and excellent video quality.

Featured by sleek lines and soft touch buttons with concealed indicator LEDs in a matte white finish.

Handset with essential lines for excellent ergonomics and magnetic hang-up that eliminates the risk of falling or incomplete contact.

The OSD function allows you to manage the image color, brightness and contrast.

MAIN FUNCTIONS

- 5" color display with OSD
- Handset with magnetic hang-up
- Concealed LED signal
- Soft-touch buttons
- Self-inserting video from entry panels
- Master/Slave function and video relaying between extensions function for simultaneous calls.

THE COMPLETE RANGE

Code	Description	
Handset video intercoms for X1 systems		
AGT V **840CF-0020**	**Handset video intercom with soft-touch buttons, 5" LCD display, white.** Wall monitor with 5″ color LCD display equipped with OSD for adjusting video parameters (brightness, color, contrast). The 4 main touch buttons are used to manage the primary functions such as door opening, self-insertion of entry panel videos, ringtone adjustment/exclusion (with signaling LED when excluded) and the sending of a programmable auxiliary control. It allows manging the "gate opener" function and displays the status of the gate controlled by means of a signaling LED. It includes a bracket for wall mounting on horizontal or vertical 503 box and on Ø 60 mm round box. Compatible with the X1 and XIP systems.	
AGT V BF **840CF-0030**	**Handset video intercom with soft-touch buttons, 5" LCD display, white. Hearing aid function for hearing aid users.** Wall monitor with 5″ color LCD display equipped with OSD for adjusting video parameters (brightness, color, contrast). The 4 main touch buttons are used to manage the primary functions such as door opening, self-insertion of entry panel videos, ringtone adjustment/exclusion (with signaling LED when excluded) and the sending of a programmable auxiliary control. It allows manging the "gate opener" function and displays the status of the gate controlled by means of a signaling LED. With built-in audio-frequency induction system for hearing aids, in the "T" position. It includes a bracket for wall mounting on horizontal or vertical 503 box and on Ø 60 mm round box. Compatible with the X1 and XIP systems.	
Handset video intercoms for 200 systems		
AGT V200 **840CF-0010**	**Handset video intercom with soft-touch buttons, 5" LCD display, white.** Wall monitor with 5″ color LCD display equipped with OSD for adjusting video parameters (brightness, color, contrast). The 4 main touch buttons are used to manage the primary functions such as door opening, self-insertion of entry panel videos, ringtone adjustment/exclusion (with signaling LED when excluded) and the sending of an auxiliary control. It includes a bracket for wall mounting on horizontal or vertical 503 box and on Ø 60 mm round box. Compatible with 200 system.	

AGT V
840CF-0020

PLUS

- Program melodies depending on the type of call
- Display color, brightness and contrast adjustment via OSD
- Adjust/exclude ringtone, with alert LED when set to exclude mode
- AUX2 for auxiliary functions and call to the porter
- Latch function (gate opener) for checking the status of external automations
- Automatic door-opener function

AGT V BF
840CF-0030

PLUS

- Program melodies depending on the type of call
- Display color, brightness and contrast adjustment via OSD
- Adjust/exclude ringtone, with alert LED when set to exclude mode
- AUX2 for auxiliary functions and call to the porter
- Latch function (gate opener) for checking the status of external automations
- Automatic door-opener function
- Equipped with Audio Induction Loop technology, which allows the use of the video intercom even for hearing aid wearers

TECHNICAL CHARACTERISTICS

MODELS	AGT V	AGT V BF
Dimensions (mm)	204 x 190 x 44,5	204 x 190 x 44,5
Power supply by BUS (V)	15 ÷ 20 DC	15 ÷ 20 DC
Absorption by BUS (mA)	175	175
Local power supply (V)	-	-
Local absorption (mA)	-	-
Consumption in stand-by mode (mA)	<1	<1
Operating temperature (°C)	+5 ÷ +40	+5 ÷ +40
Protection rating (IP)	30	30
Video standard	PAL/NTSC	PAL/NTSC
Color	White	White

AGT V200
840CF-0010

PLUS

- Program melodies depending on the type of call
- Display color, brightness and contrast adjustment
- Adjust/exclude ringtone, with alert LED when set to exclude mode
- Up to 6 intercom calls

Accessories

AGT KT V
840XC-0150

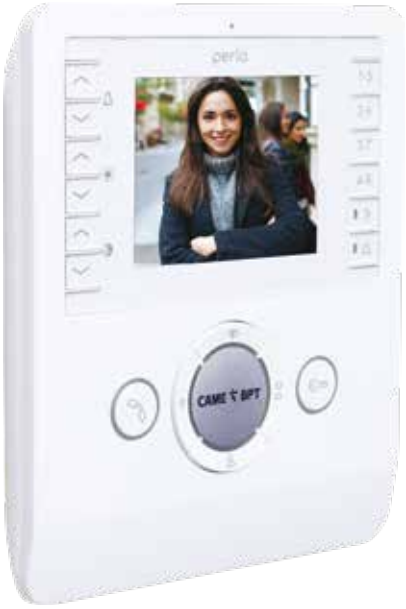
Desktop stand for video entry panels of the AGT V, Agata Video, Perla Video and Opale series.
Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.

TECHNICAL CHARACTERISTICS

MODELS	AGT V200
Dimensions (mm)	204 x 190 x 44,5
Power supply by BUS (V)	-
Absorption by BUS (mA)	-
Local power supply (V)	14 ÷ 17,5 DC
Local absorption (mA)	95
Consumption in stand-by mode (mA)	<12
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Video standard	PAL/NTSC
Color	White

PERLA

Hands-free video intercoms



Perla is the hands-free video intercom with 3.5" LCD display that guarantees brilliant colors and excellent video quality.

The central blue-backlit dial is for activating the numerous functions available.

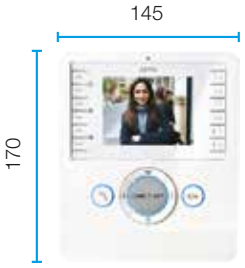
Particularly suitable for Building systems thanks to the possibility of intercom calls and the "Panic" button for emergency call to the porter in case of emergency.

MAIN FUNCTIONS

- Handsfree audio
- Up to 8 intercom calls
- Self-inserting video of entry panels with cyclic selection
- Master/Slave function and video bouncing among receivers during simultaneous calls

3.5" display

Handsfree audio



Wall mounted
31 mm thick

A bracket is included for wall installation on 503 box (horizontal or vertical) and on round box Ø 60 mm.
PoE power supply

THE COMPLETE RANGE

Code	Description	
Handsfree video intercoms for X1 and XIP systems		
PEV BI **62100180**	**Handsfree video intercom with 3.5" LCD display, 2 programmable AUX keys - white.** Wall monitor with 3,5″ color LCD display. The keys for ringtone adjustment, color saturation adjustment and brightness are on the left, while the keys for making up to 8 intercom calls and the "Panic" key for emergency requests to the porter are on the right. The main keys are clearly visible and backlit, allowing door opening and activation of communication, while the central dial is for managing the 2 auxiliary commands and self-inserting entry panel videos, plus excluding the ringtone (with LED signaling when the latter is excluded). It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. It comes with a brace for installing in a horizontal or vertical 503-type box and in a Ø 60 mm round box. Compatible with the X1 and XIP systems.	
PEV NF **62100190**	**Handsfree video intercom with 3.5" LCD display, 2 programmable AUX keys - black.** Wall monitor with 3,5″ color LCD display. The keys for ringtone adjustment, color saturation adjustment and brightness are on the left, while the keys for making up to 8 intercom calls and the "Panic" key for emergency requests to the porter are on the right. The main keys are clearly visible and backlit, allowing door opening and activation of communication, while the central dial is for managing the 2 auxiliary commands and self-inserting entry panel videos, plus excluding the ringtone (with LED signaling when the latter is excluded). It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. It comes with a brace for installing in a horizontal or vertical 503-type box and in a Ø 60 mm round box. Compatible with the X1 and XIP systems.	
PEV BI BF **62100230**	**Handsfree video intercom with 3.5" LCD display, 2 programmable AUX keys - white. Hearing aid function for hearing aid users.** Wall monitor with 3,5″ color LCD display. The keys for ringtone adjustment, color saturation adjustment and brightness are on the left, while the keys for making up to 8 intercom calls and the "Panic" key for emergency requests to the porter are on the right. The main keys are clearly visible and backlit, allowing door opening and activation of communication, while the central dial is for managing the 2 auxiliary commands and self-inserting entry panel videos, plus excluding the ringtone (with LED signaling when the latter is excluded). It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. It features a built-in audio-frequency induction system for hearing aids in the "T" position. It includes brace for wall-mounting on horizontal or vertical 503-type boxes and Ø 60 mm round box. Compatible with the X1 and XIP systems.	
PEV NF BF **62100240**	**Handsfree video intercom with 3.5" LCD display, 2 programmable AUX keys - black. Hearing aid function for hearing aid users.** Wall monitor with 3,5″ color LCD display. The keys for ringtone adjustment, color saturation adjustment and brightness are on the left, while the keys for making up to 8 intercom calls and the "Panic" key for emergency requests to the porter are on the right. The main keys are clearly visible and backlit, allowing door opening and activation of communication, while the central dial is for managing the 2 auxiliary commands and self-inserting entry panel videos, plus excluding the ringtone (with LED signaling when the latter is excluded). It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. It features a built-in audio-frequency induction system for hearing aids in the "T" position. It includes brace for wall-mounting on horizontal or vertical 503-type boxes and Ø 60 mm round box. Compatible with the X1 and XIP systems.	

PEV BI
62100180

PEV NF
62100190

PLUS

- Program melodies depending on the type of call
- Display saturation and brightness adjustment
- Adjust/exclude ringtone, with alert LED when set to exclude mode

PEV BI BF
62100230

PEV NF BF
62100240

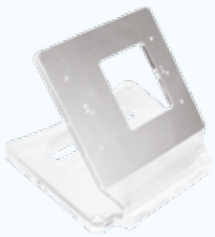
PLUS

- Program melodies depending on the type of call
- Display saturation and brightness adjustment
- Adjust/exclude ringtone, with alert LED when set to exclude mode
- Equipped with Audio Induction Loop technology, which allows the use of the video intercom even for hearing aid wearers

TECHNICAL CHARACTERISTICS

MODELS	PEV BI	PEV NF	PEV BI BF	PEV NF BF
Dimensions (mm)	145 x 170 x 31	145 x 170 x 31	145 x 170 x 31	145 x 170 x 31
Power supply by BUS (V)	15 ÷ 20 DC	15 ÷ 20 DC	15 ÷ 20 DC	15 ÷ 20 DC
Absorption by BUS (mA)	200	200	200	200
Consumption in stand-by mode (mA)	<1	<1	<1	<1
Operating temperature (°C)	+5 ÷ +40	+5 ÷ +40	+5 ÷ +40	+5 ÷ +40
Protection rating (IP)	30	30	30	30
Video standard	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC
Display	3.5” TFT LCD	3.5” TFT LCD	3.5” TFT LCD	3.5” TFT LCD
Color	White	Black	White	Black

THE COMPLETE RANGE

Code	Description	
Accessories		
KT V **62800550**	**Desktop stand for video entry panels of the Agata Video, Perla Video and Opale series.** Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.	

OPALE

3.5" and 4.3" hands-free Video intercom

3,5" 4,3"

3.5" display | **4.3" display** | **Version for the hearing impaired** | **Handsfree audio**

Recess mounted
9 mm thick

Wall mounted
30.9 mm thick

Bus or local power supply (16 to 18 V DC) selectable by switch. For wall installation to be finished with the OPALEKP wall support. For recess-mounted installation to be finished with the OPALESI recess-mounted box. Compatible with the X1 and XIP systems.

Opale is the hands-free video intercom with 3.5" and 4.3" LCD touch screen display that guarantees brilliant colors and excellent video quality.

The central blue-backlit dial is for activating the numerous functions available.

Particularly suitable for apartment block settings thanks to the possibility of intercom calls and the "Panic" button for emergency calls to the porter.

MAIN FUNCTIONS

- Touch-screen display
- Handsfree audio
- Up to 8 intercom calls
- Up to 10 programmable auxiliary controls
- Automatic door-opener function with weekly scheduling
- Video answering service and video recording
- Messages displaying from the porter
- Self-inserting video of entry panels with cyclic selection
- Master/Slave function and video bouncing among receivers during simultaneous calls

THE COMPLETE RANGE

Code	Description	
Handsfree video intercoms for X1 and XIP systems		
OPALE WHITE **62100270**	**Handsfree video intercom with 3.5" LCD display, with up to 10 programmable AUXs - white.** Wall monitor with 3.5˝ LCD touch-screen display with graphical interface. On the left side there are the intercom function-access buttons, access to additional auxiliary controls, access to video adjustments and deactivating the incoming call audio, while on the right side there are the buttons for zooming, device setup, porter-message displaying and the "Panic" button for emergency calls to the porter. The main keys are clearly visible and backlit, allowing activation of communication and door opening, while the central dial is for managing 2 auxiliary commands, self-insertion of entry panel videos, and alarm exclusion (with LED signaling when excluded). It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. Bus or local power supply (16 to 18 V DC) via selector switch. For wall installation to be finished with the OPALEKP wall brace. For recess-mounted installation to be finished with the OPALSIS recess-mounted box. Compatible with the X1 and XIP systems.	
OPALE BLACK **62100280**	**Handsfree video intercom with 3.5" LCD display, with up to 10 programmable AUXs - black.** Wall monitor with 3.5˝ LCD touch-screen display with graphical interface. On the left side there are the intercom function-access buttons, access to additional auxiliary controls, access to video adjustments and deactivating the incoming call audio, while on the right side there are the buttons for zooming, device setup, porter-message displaying and the "Panic" button for emergency calls to the porter. The main keys are clearly visible and backlit, allowing activation of communication and door opening, while the central dial is for managing 2 auxiliary commands, self-insertion of entry panel videos, and alarm exclusion (with LED signaling when excluded). It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. Bus or local power supply (16 to 18 V DC) via selector switch. For wall installation to be finished with the OPALEKP wall brace. For recess-mounted installation to be finished with the OPALSIS recess-mounted box. Compatible with the X1 and XIP systems.	
Handsfree video intercoms for X1 and XIP systems		
OPALE W WHITE **62100250**	**Handsfree video intercom with 4.3˝ touch-screen LCD display, up to 10 programmable AUX keys, video answering machine function - white.** Wall monitor with 4.3˝ LCD touch-screen display with graphical interface. The main keys are clearly visible and backlit, allowing activation of communication and door opening, while the central dial is for managing 2 auxiliary commands, self-insertion of entry panel videos, and alarm exclusion (with LED signaling when excluded). Suitable for multi-user systems as it allows 8 intercom calls. Bus or local power supply (16 to 18 V DC) with auto-sensing with no configuration needed. For wall installation to be finished with the OPALEKP wall brace. For recess-mounted installation to be finished with the OPALSIS recess-mounted box. Compatible with the X1 and XIP systems.	
OPALE W BLACK **62100260**	**Handsfree video intercom with 4.3˝ touch-screen LCD display, up to 10 programmable AUX keys, video answering machine function - black.** Wall monitor with 4.3˝ LCD touch-screen display with graphical interface. The main keys are clearly visible and backlit, allowing activation of communication and door opening, while the central dial is for managing 2 auxiliary commands, self-insertion of entry panel videos, and alarm exclusion (with LED signaling when excluded). Suitable for multi-user systems as it allows 8 intercom calls. Bus or local power supply (16 to 18 V DC) with auto-sensing with no configuration needed. For wall installation to be finished with the OPALEKP wall brace. For recess-mounted installation to be finished with the OPALSIS recess-mounted box. Compatible with the X1 and XIP systems.	

OPALE WHITE
62100270

OPALE BLACK
62100280

3,5"

PLUS

- Program melodies depending on the type of call
- Display saturation, contrast and brightness adjustment
- Image zooming during conversation
- Adjust/exclude ringtone, with alert LED when set to exclude mode
- Automatic door-opener function
- Activate/exclude audio during conversation
- Two keys for activating the auxiliary/porter call functions
- Call forwarding to other extensions

OPALE W WHITE
62100250

OPALE W BLACK
62100260

4,3"

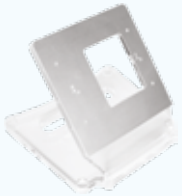
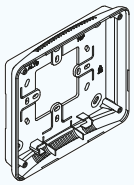
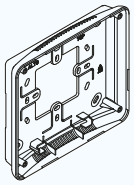
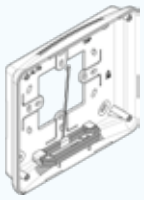
PLUS

- Program melodies depending on the type of call
- Display saturation, contrast and brightness adjustment
- Image zooming during conversation
- Adjust/exclude ringtone, with alert LED when set to exclude mode
- Activate/exclude audio during conversation
- Two keys for activating the auxiliary/porter call functions
- Call forwarding to other extensions

TECHNICAL CHARACTERISTICS

MODELS	OPALE W WHITE	OPALE W BLACK	OPALE WHITE	OPALE BLACK
Dimensions (mm)	158 x 138 x 28	158 x 138 x 28	158 x 138 x 28	158 x 138 x 28
Power supply by BUS (V)	15 ÷ 20 DC	15 ÷ 20 DC	15 ÷ 20 DC	15 ÷ 20 DC
Local power supply (V)	-	-	16 ÷ 18 DC	16 ÷ 18 DC
Separate X2 power supply	16 ÷ 18 DC	16 ÷ 18 DC	-	-
Consumption in stand-by mode (mA)	<2,5	<2,5	<1	<1
Max. absorption (mA)	360	360	250	250
Operating temperature (°C)	0 ÷ +35	0 ÷ +35	0 ÷ +35	0 ÷ +35
Protection rating (IP)	30	30	30	30
Video standard	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC
Display	3.5” TFT LCD	3.5” TFT LCD	3.5” TFT LCD	3.5” TFT LCD
Color	White	Black	White	Black

THE COMPLETE RANGE

Code	Description	
Accessories		
KT V **62800550**	**Desktop stand for video entry panels of the Agata Video, Perla Video and Opale series.** Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.	
OPALEKP WHITE **62800360**	**Wall-mounting support for Opale series entry phones - white.** Plastic brace for wall mounting when using horizontal or vertical 503-type boxes, 506E-type boxes and Ø 60 mm round boxes.	
OPALEKP BLACK **62800370**	**Wall-mounting support for Opale series entry phones - black.** Plastic brace for wall mounting when using horizontal or vertical 503-type boxes, 506E-type boxes and Ø 60 mm round boxes.	
OPALESI **62800380**	**Recess-mounting box for Opale-series indoor receivers.** Plastic recess-mounting box with pre-punched holes for passing the cables, complete with mortar guard.	
OPALE KP WH BF **62800390**	**Wall-mounting brace for Opale series entry panels - white. Version for hearing aid users.** Plastic brace for wall mounting when using horizontal or vertical 503-type boxes, 506E-type boxes and Ø 60 mm round boxes. With built-in audio-frequency induction system for hearing aids, in the "T" position.	

DISCOVER THE SOLUTIONS FOR VEHICLE ACCESS CONTROL

FIXED AND MOBILE BOLLARDS

For delimitation of traffic routes, parking facilities or areas where access to vehicles is prohibited

AUTOMATIC BOLLARDS

For urban areas protection and vehicle flow regulation in both public and private areas

MANAGEMENT AND CONTROL

An integrated system that allows centralized remote management of all accesses with retractable bollards

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Discover the full range on **came.com/ozak**

HIGH-SECURITY BOLLARDS

For the protection of strategic access points and sensitive facilities against ramming vehicles

ROAD BLOCKERS

The highest level of burglar-proof security, to prevent access by unauthorized vehicles

CAME URBACO

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VIDEO ENTRY PANEL

48 XVP
52 MTM
74 DIGITHA
78 THANGRAM
86 LITHOS

XVP

Touch screen video door entry panel

IK 08

Shock protection rating

IP 55

Water and dust protection

T

Version for the hearing impaired

Recess mounted
15 mm thick

Wall mounted
50 mm thick

XVP is the touch screen video door entry panel with 7" display, ideal for large prestigious contexts with IP360 systems.

The 1.3 Mpx camera has a very wide view angle, 130° horizontal and 95° vertical, with a circular LED system that provides excellent illumination of the person and acts as a courtesy light.

The anti-reflective glass screen is equipped with OPTICAL BONDING technology for perfect viewing in all light conditions and increased scratch and impact resistance.

The entire surface is coated with 5 mm thick tempered glass that provides an IK08 protection rating against shocks and damage.

The graphics on the display can be customised with logos, images or text both in terms of the list of interiors and the appearance of the home page and screen-saver.

MAIN FUNCTIONS

- Full touch screen 7″ display with Optical Bonding technology
- Display brightness 800 Nits
- 1.3 Mpx Camera
- Tempered glass thickness 5 mm
- IK08 shock protection rating
- Water and dust protection IP55
- Resistance to temperatures between -40°C and + 50°C
- Aluminum profiles corrosion resistance with 20 micron deep anodizing
- RTSP protocol to allow 24/7 video streaming
- Different access management modes
- Access control via RFID reader (also from third parties)
- Access control via Bluetooth with smartphone app
- Graphical interface customization

THE COMPLETE RANGE

Code	Description	
Video intercom entry panels for IP360 systems		
XVP F **840AA-0020**	**The video intercom entry panel with touch-screen display for IP360 system, recess-mounted.** Monolithic entry panel in 5 mm thick tempered shatterproof glass, designed for recess mounting, with certified IK08 impact resistance. High brightness 7” anti-glare capacitive TFT touch screen with Optical Bonding technology, 1024 x 600 pixels resolution. Customizable multilingual graphic interface. Video camera sensor with HD 1280x720 resolution and HDR technology, plus built-in microprocessor for digital signal processing. “Ultra wide eye” wide-angle lens, aperture 130° horizontally and 95° vertically. Even illumination of the subject with 30 high-efficiency white LEDs and anti-glare diffuser. Equipped with RTSP protocol for 24/7 viewing of the camera video stream on CCTV systems. It allows access control via Bluetooth with App for smartphones or via RFID badge/tag thanks to the possibility of housing the MTMRFID access control module in the lower area (code 60020250), not supplied, or third party readers. Featuring a local 12V control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). RJ45 port for network connection, PoE power supply (standard IEEE 802.3at POE+, 25.5W) or local 12-24V DC. Equipped with presence sensors to wake up the device from stand-by when someone approaches the entry panel and a brightness sensor to automatically adjust the display brightness according to the ambient brightness. On-board web server for configuring and updating firmware. Possibility of manually configuring different device parameters from the graphic interface. It ensures IP55 rating against water and dust.	
XVP S **840AA-0030**	**The video intercom entry panel with touch-screen display for IP360 system, wall mounted.** Monolithic entry panel in 5 mm thick tempered shatterproof glass, designed for wall mounting, with certified IK08 impact resistance. High brightness 7" anti-glare capacitive TFT touch screen with Optical Bonding technology, 1024 x 600 pixels resolution. Customizable multilingual graphic interface. Video camera sensor with HD 1280x720 resolution and HDR technology, plus built-in microprocessor for digital signal processing. “Ultra wide eye” wide-angle lens, aperture 130° horizontally and 95° vertically. Even illumination of the subject with 30 high-efficiency white LEDs and anti-glare diffuser. Equipped with RTSP protocol for 24/7 viewing of the camera video stream on CCTV systems. It allows access control via Bluetooth with App for smartphones or via RFID badge/tag thanks to the possibility of housing the MTMRFID access control module in the lower area (code 60020250), not supplied, or third party readers. Featuring a local 12V control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). RJ45 port for network connection, PoE power supply (standard IEEE 802.3at POE+, 25.5W) or local 12-24V DC. Equipped with presence sensors to wake up the device from stand-by when someone approaches the entry panel and a brightness sensor to automatically adjust the display brightness according to the ambient brightness. On-board web server for configuring and updating firmware. Possibility of manually configuring different device parameters from the graphic interface. It ensures IP55 rating against water and dust.	

XVP F
840AA-0020

PLUS

- Recess mounting
- Full touch screen 7″ display with Optical Bonding technology
- 1.3 Mpx Camera
- Tempered glass thickness 5 mm
- IK08 shock protection rating
- Water and dust protection IP55
- Resistance to temperatures between -40°C and +50°C
- Aluminum profiles corrosion resistance with 20 micron deep anodizing
- Different access management modes
- Access control via RFID reader (also from third parties)
- Access control via Bluetooth with smartphone app
- Graphical interface customization

XVP S
840AA-0030

PLUS

- Wall mounting
- Full touch screen 7″ display with Optical Bonding technology
- 1.3 Mpx Camera
- Tempered glass thickness 5 mm
- IK08 shock protection rating
- Water and dust protection IP55
- Resistance to temperatures between -40°C and +50°C
- Aluminum profiles corrosion resistance with 20 micron deep anodizing
- Different access management modes
- Access control via RFID reader (also from third parties)
- Access control via Bluetooth with smartphone app
- Graphical interface customization

TECHNICAL CHARACTERISTICS

MODELS	XVP F	XVP S
Built-in mounting dimensions (mm)	153 x 406 x 15	-
Wall mounting dimensions (mm)	-	153 x 406 x 50
Packaging dimensions (mm)	225 x 520 x 145	225 x 520 x 145
Power supply (V)	12 ÷ 24 DC	12 ÷ 24 DC
PoE power supply	IEEE 802.3at POE+ (25.5W)	IEEE 802.3at POE+ (25.5W)
Consumption in stand-by mode (mA)	700	700
Operating temperature (°C)	-40 ÷ +50	-40 ÷ +50
Protection rating (IP)	55	55
Protection rating (IK)	08	08
Video standard	H.264	H.264
Frequency (MHz)	2400	2400

Notes

MTM

Modular video door entry panel

MTM is the modular video door entry panel developed to offer a range of products suitable for all different needs. 32 different modules for infinite combinations!

The essential and refined design makes MTM the perfect entry panel on any surface and context, from a single home to large residential or office settings.

The anodized and satin-finished aluminum front panel guarantees brilliance and durability.

The HD resolution camera is equipped with HDR (High Dynamic Range) technology and high efficiency illuminator with anti-glare diffuser.

The basic frame can accommodate from 1 to 4 modules, but it is possible to connect several frames to create very complex devices.

MTM

IK 07 — Shock protection rating

T — Version for the hearing impaired

IP 54 — Water and dust protection

MTM VR

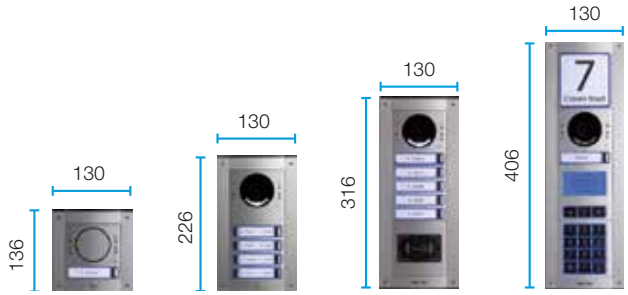
IK 09 — Shock protection rating

T — Version for the hearing impaired

IP 54 — Water and dust protection

MAIN CHARACTERISTICS

- Satin finish anodized aluminum front panel
- IK07 shock protection rating
- Up to 98 calls with buttons
- Unlimited digital calls
- Innovative front panel without speaker holes
- Two-tone key backlighting (blue/white)
- Backlight intensity adjustment
- Direct connection to an analogue camera (X1 audio)
- Mini USB port for PC connection, software programming and firmware update



Recess mounted
13 mm thick

Wall mounted
64 mm thick

MTM VR

MAIN CHARACTERISTICS

- IK09 certified version against vandalism
- Zamak frame and cover
- Strong shatter-proof buttons
- Anti-burglary screws

DIGITAL DIALING

The display enables a directory of up to 7,200 names to be displayed. During programming, you can choose the most suitable search modes based on the number of users: a scrolling list or an alphabetical block search.

BUTTON COMPOSITION

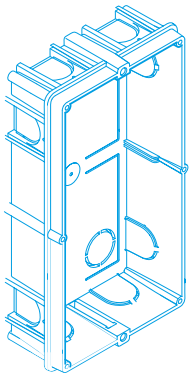
On the call module you can add the front panel with the number of buttons you need. So you can forget about any caps and buttons, while keeping the composition flexible. Front panels with 2,3,4 and 8 buttons are available.

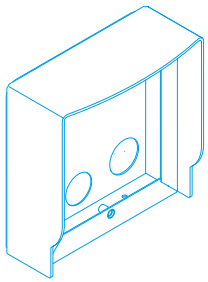
ACCESS CONTROL

The MTM range also includes 2 modules specifically for access control, one that is keypad operated and the other RDIF reader operated. Both modules are fitted with 2 on-board relay switches and 2 inputs for directly activating the relay switches.

RECESS BOX

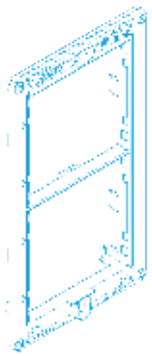
Available for the various entry panel versions, from 1 to 4 modules, depth 48.





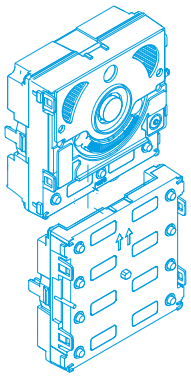
WALL-MOUNTING BOXES

A wall-mounting box is available if recess-mounting is unavailable.



FRAME

Aluminum module-housing profile with cataphoresis treatment and black paint coat to ensure high levels of endurance against corrosion and rust. Compatible with BTicino, Comelit and Urmet recess-mounting boxes.

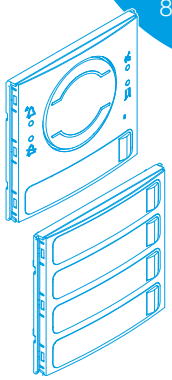


ELECTRONIC MODULES

Snap-in installation with no screw needed. Simple wiring among the modules. No chance of error thanks to the polarized connectors.

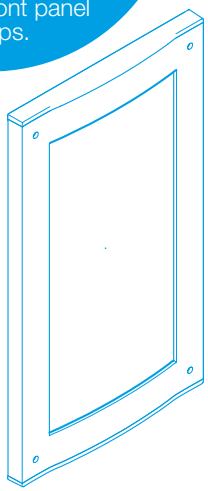
MTM IS QUICK AND EASY TO INSTALL

There are 5 components to an entry panel: the wall or recess-mounting box, the frame, the electronics module, the front panel and the external frame. Available in 2, 3, 4 and 8 button front panel set ups.



FRONT PANELS

Front panels ready for use, as they are pre-configured and need no additional buttons or caps. Outer side made of satin-finish aluminum with sturdy internal structure to make the standard outer panel IK07.



OUTER FRAME

The closing frame is sleek and essential, entirely made of satin-finished aluminum.

THE COMPLETE RANGE

Code	Description	
Electronic video modules for X1 systems		
MTMV/01 62030010	**Intercom video modules for X1 systems.** Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. PAL/NTSC video camera sensor with 680x512 pixel resolution and built-in microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Even illumination of the subject with 2 high-efficiency white LEDs and anti-glare diffuser. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). The front is equipped with LEDs for visual indication of the system status. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual or PC programming via MINI USB connector on the front. To be completed with a video intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
Electronic video modules for XIP systems		
MTMV/08 62030060	**Intercom video modules for XIP systems.** Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. PAL/NTSC 680x512 resolution video camera sensor with built-in microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Even illumination of the subject with 2 high-efficiency white LEDs and anti-glare diffuser. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). Dip-switch for adapting the line impedance. The front is equipped with LEDs for visual indication of the system status. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual or PC programming via MINI USB connector on the front. To be completed with a video intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
Electronic video modules for IP360 systems		
MTMV/IP 62030020	**Intercom video modules for IP360 systems.** Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. Video camera sensor with HD 1280x720 resolution and HDR technology, plus built-in microprocessor for digital signal processing. Ultra wide-eye grand angle lens with 130° horizontal and 95° vertical opening and digital zoom adjustment. Even illumination of the subject with 2 high-efficiency white LEDs and anti-glare diffuser. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). RJ45 port for network, PoE or local connection. The front is equipped with LEDs for visual indication of the system status. On-board web server for configuring and updating firmware. Can be manually programmed. To be completed with a video intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
Call modules for X1, XIP, IP360 and GSM systems		
MTM8C 60020030	**8-call module.** Electronic module with techno-polymer body, 8 call buttons and 16 LEDs for the double blue or white backlit name tags. Adjustable color and brightness of the LEDs using the main modules. To finish off with button front-plate. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
Calls module for 200 system		
MTM8C/200 60020220	**8-call module for 200 systems.** Electronic module with techno-polymer body, 8 call buttons and 8 LEDs for the double blue or white backlit name tags. Compatible only with the MTM8C/200 call module for 200 systems. To finish off with button front-plate. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	

THE COMPLETE RANGE

Code	Description	
Electronic expansion modules		
MTMKB **60020230**	**Digital call keypad module** Electronic module with techno-polymer body, with alphanumeric keypad with 12 buttons and double blue or white backlighting. Adjustable color and brightness of the LEDs using the main modules. Key 0 to 9 for entering the code and 2 other keys for the main functions: activate call and confirm access code. To finish off with digital call module front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMDY **60020240**	**Display module.** Electronic module with techno-polymer body and blue or white backlit LCD display. Color and brightness adjustment from the menu or via the main modules. It allows you to display a phonebook with up to 7200 names and search in scroll mode or alphabetic block mode. It allows direct calling to the extensions through the central button. To finish off with display front module. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMRFID **60020250**	**RFID access control module.** Electronic module with techno-polymer body equipped with RFID reader and 13.56 MHz Mifare technology, with blue or white backlighting. Adjustable color and brightness of the LEDs using the main modules. It allows the addition and removal of badges/tags directly from the reader itself or through a PC tool. It autonomously manages up to 6500 proximity cards. Access allowed/not allowed via buzzer and green/red signal LED. It can be installed either in stand alone mode or with the XIP or IP360 system via CAN bus. It is equipped with 2 relay contacts for door-openings and 2 inputs for directly activating the relays. To finish off with the RFID module front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMMI **60020290**	**Information module.** Electronic module with techno-polymer body equipped with LED for the double blue or white backlighting of the information tag. It allows to adjust color and brightness by using the main modules. To finish off with information module front-plate. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMMC **60020310**	**Hidden module with front panel.** Module with techno-polymer body and blind front panel made of natural anodized satin aluminum. Impact protection degree IK07 and water and dust protection degree IP54.	
MTMNA **60020380**	**Keypad module with access control.** Electronic module with techno-polymer body, with alphanumeric keypad with 12 buttons and double blue or white backlighting. Adjustable color and brightness of the LEDs using the main modules. Key 0 to 9 for entering the code and 2 other keys for confirming. It autonomously manages up to 3500 numeric codes. Access allowed/not allowed via buzzer and green/red signal LED. It can be installed either in stand alone mode or with the XIP or IP360 system via CAN bus. It is equipped with 2 relay contacts for door-openings and 2 inputs for directly activating the relays. To finish off with the access control keypad module front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMBFVS **60020390**	**Hearing impaired and voice synthesis module** Electronic module with techno-polymer body, equipped with a loudspeaker used for the playing back system voice messages. It has an audio-frequency induction system for hearing aids, in the "T" position. To finish off with the hearing impaired module. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	

MTMV/01
62030010

PLUS

- 2 call buttons with double blue or white backlight with intensity adjustment
- 2 controls for electric lock and auxiliary control (1A, 30V max)
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- PAL/NTSC camera sensor with VGA 680x512 resolution
- Microprocessor for digital signal processing that improves performance in all conditions
- “Wide eye” lens with 100° aperture horizontally and 82° vertically and digital zoom adjustment
- High efficiency 4 LED illuminator with adjustable intensity and anti-glare diffuser
- Output for activation of external cameras (programmable I/O)
- Adjustable speaker, microphone and electric lock
- It can be manually programmed.
- Mini USB port for PC connection, software programming and firmware update
- To be completed with video intercom front panel to obtain IP54 rating against water and dust.

MTMV/08
62030060

PLUS

- 2 call buttons with double blue or white backlight with intensity adjustment
- 2 on-board controls: electric lock and auxiliary control (1A, 30V max)
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- PAL/NTSC camera sensor with VGA 680x512 resolution
- Microprocessor for digital signal processing that improves performance in all conditions
- “Wide eye” lens with 100° aperture horizontally and 82° vertically and digital zoom adjustment
- High efficiency 4 LED illuminator with adjustable intensity and anti-glare diffuser
- Output for activation of external cameras (programmable I/O)
- Adjustable speaker, microphone and electric lock
- It can be manually programmed.
- Mini USB port for PC connection, software programming and firmware update
- Dip-switch for adapting the line impedance
- To be completed with video intercom front panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMV/01	MTMV/08
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	16 ÷ 18 DC	14 ÷ 18 DC
Consumption in stand-by mode (mA)	70	30
Max. absorption (mA)	220	120
Operating temperature (°C)	-25 ÷ +55	-25 ÷ +55
Protection rating (IP)	54	54
Video standard	PAL/NTSC	PAL/NTSC

MTMV/IP
62030020

PLUS

- 2 call buttons with double blue or white backlight with intensity adjustment
- 2 on-board controls: electric lock and auxiliary control (1A, 30V max)
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- Camera sensor with 1280x720 HD resolution and HDR technology
- Microprocessor for digital signal processing that improves performance in all conditions
- “Ultra Wide Eye” lens, with 130° aperture horizontally and 95° vertically and digital zoom adjustment
- High efficiency 4 LED illuminator with adjustable intensity and anti-glare diffuser
- HD resolution and High Dynamic Range (HDR) technology for better light/dark performance
- Output for activation of external cameras (programmable I/O)
- Adjustable speaker, microphone and electric lock from PC
- RJ45 port for network connection
- Integrated web-server for configuration, firmware updates and browser management
- Network connection via standard SIP protocol
- H.264 video codec, G711 audio codec
- Local or PoE (Powered over Ethernet) power supply
- To be completed with video intercom front panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMV/IP
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	12 ÷ 24 DC
PoE power supply	IEEE 802,3af (W)
Consumption in stand-by mode (mA)	70
Max. absorption (mA)	250
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54
Video standard	H.264

MTM8C
60020030

PLUS

- Eight-button module
- Also programmable manually to handle 8, 4, 3 or 2 calls
- Blue or white LED for badge holders double backlighting.
- Adjustable color and brightness of the LEDs using the main modules.
- To be completed with push-buttons front panel to obtain IP54 rating against water and dust.

MTM8C/200
60020220

PLUS

- Eight-button module
- Blue LED for badge holders double backlighting.
- Compatible only with the Sistema 200 (MTMA/200) intercom module
- To be completed with push-buttons front panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTM8C	MTM8C/200
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35
Internal dimensions (mm)	-	-
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	10.7 - 18 DC	14 - 18 AC
PoE power supply	-	-
Consumption in stand-by mode (mA)	-	15
Max. absorption (mA)	25	15
Operating temperature (°C)	-25 ÷ +55	-25 ÷ +55
Protection rating (IP)	54	54

MTMBFVS
60020390

PLUS

- Hearing impaired and voice synthesis module
- Speaker for playback of multilingual voice messages related to the system
- It integrates an audio-frequency induction system for hearing aids, in the “T” position.
- Manual or PC tool programming
- To be completed with hearing aid module panel to obtain IP54 rating against water and dust.

MTMKB
60020230

PLUS

- Keypad module for digital call and access control code entering
- 12-button alphanumeric keyboard with double blue or white backlighting.
- Adjustable color and brightness of the LEDs using the main modules.
- Key 0 to 9 for entering the code
- 2 keys for main functions: call activation and access code confirmation
- To be completed with digital call module panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMBFVS	MTMKB
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35
Internal dimensions (mm)	-	-
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	10.7-18 DC	10.7-18 DC
PoE power supply	-	-
Consumption in stand-by mode (mA)	20	20
Max. absorption (mA)	55	55
Operating temperature (°C)	-25 ÷ +55	-25 ÷ +55
Protection rating (IP)	54	54

MTMDY
60020240

PLUS

- Blue or white backlight LCD display module
- Color and brightness adjustment from the menu or via the main modules.
- It allows viewing up to 7200 names in the address book.
- Search in scroll mode or alphabetic block mode.
- It allows direct calling to the extensions through the central button.
- To be completed with display module panel to obtain IP54 rating against water and dust.

MTMRFID
60020250

PLUS

- RFID access control module with Mifare technology (13.56 MHz)
- Blue or white backlighting
- Adjust color and brightness by using the main modules.
- Allows the addition and removal of badges/tags directly from the reader or through a PC tool.
- It independently manages up to 6,500 proximity keys.
- Sound and visual indication of the status (access allowed/denied) through buzzer and buttons backlighting (green/red).
- CAN BUS connector for connection to XIP or IP360 system
- 2 relay contacts for opening gates and 2 inputs for direct activation of the relays.
- To be completed with RFID module panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMDY	MTMRFID
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35
Internal dimensions (mm)	-	-
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	10.7-18 DC	12 ÷ 24 DC
PoE power supply	-	-
Consumption in stand-by mode (mA)	55	35
Max. absorption (mA)	250	90
Operating temperature (°C)	-25 ÷ +55	-25 ÷ +55
Protection rating (IP)	54	54

MTMMI
60020290

PLUS

- Information module
- Blue or white LED for information card backlighting
- Color and brightness adjustment using the main modules.
- To be completed with information module panel to obtain IP54 rating against water and dust.

MTMMC
60020310

PLUS

- Blind module
- Blind front panel made of natural anodized satin finish aluminum.
- IK07 impact resistance rating and water and IP54 water and dust protection rating.

TECHNICAL CHARACTERISTICS

MODELS	MTMMI	MTMMC
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35 95 x 90 x 10
Internal dimensions (mm)	-	85 X 85 X 32
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	10.7-18 DC	-
Max. absorption (mA)	25	-
Operating temperature (°C)	-25 ÷ +55	-
Protection rating (IP)	-	54
Color	-	Natural anodised satin-finish aluminium

MTMNA
60020380

PLUS

- Keypad module for access control.
- 12-button alphanumeric keyboard with double blue or white backlighting.
- Adjustable color and brightness of the LEDs using the main modules.
- Keys 0 to 9 for entering the code and 2 other keys for confirming.
- It manages up to 3500 numeric codes.
- Sound and visual indication of the status (access allowed/denied) through buzzer and buttons backlighting (green/red).
- CAN BUS connector for connection to XIP or IP360 system
- 2 relay contacts for opening gates and 2 inputs for direct activation of the relays.
- Manual or PC tool programming
- To be completed with access control front panel with keyboard module to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMNA
Dimensions (mm)	85 x 85 x 35
Internal dimensions (mm)	-
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	12 - 24 AC/DC
PoE power supply	-
Consumption in stand-by mode (mA)	35
Max. absorption (mA)	90
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

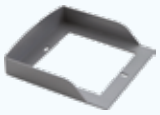
THE COMPLETE RANGE

Code	Description	
Accessory modules		
MTMGT **60020400**	**Heating module with thermostat for MTM external units.** Heater accessory that enables operation down to a temperature of -40 °C. To be combined with a built-in box (MTMSI2M, MTMSI3M or MTMSI4M).	
MTMEX8C **60020590**	**Module for the remote control of 8 call keys.** Electronic board complete with 8 inputs for remote call buttons (maximum distance 1 m) and two outputs for backlighting. Equipped with 2 connectors for modular bus input and output. To be connected to MTM series electronic intercom or video intercom modules (except MTMA/200).	
Video front panels		
MTMFV0P **62030030**	**Blind video intercom front panel made of natural anodized satin finish aluminum.** With polycarbonate brace, it features pictograms to indicate the status of the system. To pair up with an intercom module. Shock protection rating IK07.	
MTMFV1P **62030040**	**1-button video intercom front panel made of natural anodized satin finish aluminum.** With polycarbonate brace, it features pictograms to indicate the status of the system and 1 button with name tag size 66x15 mm. To pair up with an intercom module. Shock protection rating IK07.	
MTMFV2P **62030050**	**2-button video intercom front panel made of natural anodized satin finish aluminum.** With polycarbonate brace, it is equipped with pictograms to indicate the status of the system and 2 double rows of buttons with 55x15 mm name tags. To pair up with an intercom module. Shock protection rating IK07.	
Front panels for call modules		
MTMF2P **60020110**	**2-button call module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace and 2 single row buttons with name tag size 66x15 mm. To pair with the MTM8C or MTM8C/200 call module. Shock protection rating IK07.	
MTMF3P **60020120**	**3-button call module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace and 3 single row buttons with name tag size 66x15 mm. To pair with the MTM8C or MTM8C/200 call module. Shock protection rating IK07.	
MTMF4P **60020130**	**4-button call module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace and 4 single row buttons with name tag size 66x15 mm. To pair with the MTM8C or MTM8C/200 call module. Shock protection rating IK07.	
MTMF8P **60020140**	**8-button call module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace and 8 double row buttons with name tag size 55 x 15 mm. To pair with the MTM8C or MTM8C/200 call module. Shock protection rating IK07.	

THE COMPLETE RANGE

Code	Description	
Front panels for electronic expansion modules		
MTMFRFID **60020260**	**RFID module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMRFID module. Shock protection rating IK07.	
MTMFKB **60020270**	**Keypad module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMKB module. Shock protection rating IK07.	
MTMFDY **60020280**	**Display module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMDY module. Shock protection rating IK07.	
MTMFMI **60020300**	**Information module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMMI module. Shock protection rating IK07.	
MTMFNA **60020910**	**Access control keypad module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMNA module. Shock protection rating IK07.	
MTMFBF **60020920**	**Hearing impaired and voice synthesis module made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMBFVS module. Shock protection rating IK07.	
Frames		
MTMTP1M **60020170**	**Frame and plaque for 1-module MTM.** Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	
MTMTP2M **60020180**	**Frame and plaque for 2-module MTM.** Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	
MTMTP3M **60020340**	**Frame and plaque for 3-module MTM.** Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	
MTMTP4M **60020350**	**Frame and plaque for 4-module MTM.** Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	

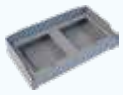
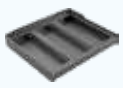
THE COMPLETE RANGE

Code	Description	
Accessories for recessed installation		
MTMSI1M **60020150**	**Recess-mounting box for 1-module MTM entry panels.** Plastic recess-mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMSI2M **60020160**	**Recess-mounting box for 2-module MTM entry panels.** Plastic recess-mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMSI3M **60020320**	**Recess-mounting box for 3-module MTM entry panels.** Plastic recess-mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMSI4M **60020330**	**Recess-mounting box for 4-module MTM entry panels.** Plastic recess-mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMTI1M **60020490**	**Rain flap for recess-mounting onto vertical, 1-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI2M **60020500**	**Rain flap for recess-mounting onto vertical, 2-module MTM entry panels.** Painted metal sheeting rain ledge.	

THE COMPLETE RANGE

Code	Description	
Accessories for recessed installation		
MTMTI3M **60020510**	**Rain flap for recess-mounting onto vertical, 3-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI4M **60020520**	**Rain flap for recess-mounting onto vertical, 4-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI1M2 **60020530**	**Rain flap for recess-mounting onto horizontal 2-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI1M3 **60020540**	**Rain flap for recess-mounting onto horizontal 3-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI1M4 **60020550**	**Rain flap for recess-mounting onto horizontal 4-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI2M2 **60020560**	**Rain flap for recess-mounting onto 2 vertical and 2 horizontal MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI3M2 **60020570**	**Rain flap for recess-mounting onto 3 vertical and 2 horizontal MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI3M3 **60020580**	**Rain flap for recess-mounting onto 3 vertical and 3 horizontal MTM entry panels.** Painted metal sheeting rain ledge.	

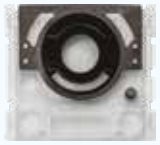
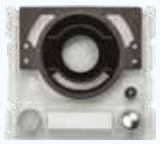
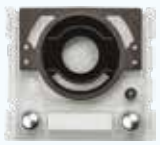
THE COMPLETE RANGE

Code	Description	
Accessories for wall installation		
MTMSP1M 60020190	**Box with rain flap for wall-mounting vertical 1-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP2M 60020200	**Box with rain flap for wall-mounting vertical 2-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP3M 60020360	**Box with rain flap for wall-mounting vertical 3-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP4M 60020370	**Box with rain flap for wall-mounting vertical 4-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP1M2 60020430	**Box with rain flap for wall-mounting horizontal 2-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP1M3 60020440	**Box with rain flap for wall-mounting horizontal 3-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP1M4 60020450	**Box with rain flap for wall-mounting horizontal 4-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP2M2 60020460	**Box with rain flap for wall-mounting 2 vertical and 2 horizontal MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP3M2 60020470	**Box with rain flap for wall-mounting 2 vertical and 3 horizontal MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP3M3 60020480	**Box with rain flap for wall-mounting 3 vertical and 3 horizontal MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	

THE COMPLETE RANGE

Code	Description	
Adaptors for identification plates		
MTMF2PAM **60020840**	**2 button adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 2 call buttons and name tags size 42x10 mm. To finish off with the corresponding MTM8C or MTM8C/200 electronic call module.	
MTMF3PAM **60020850**	**3 button adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 3 call buttons and name tags size 42x10 mm. To finish off with the corresponding MTM8C or MTM8C/200 electronic call module.	
MTMF4PAM **60020860**	**4 button adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 4 call buttons and name tags size 42x10 mm. To finish off with the corresponding MTM8C or MTM8C/200 electronic call module.	
MTMF8PAM **60020870**	**8 button adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 8 call buttons and name tags size 42x10 mm. To finish off with the corresponding MTM8C or MTM8C/200 electronic call module.	
MTMFKBAM **60020880**	**Digital call keypad adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace, alpha-numeric keypad with 12 call buttons for digital calls. To finish off with the MTMKB electronic module.	
MTMFDYAM **60020890**	**Display adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace, with 3 keys for menu browsing. To finish off with the MTMDY module.	

THE COMPLETE RANGE

Code	Description	
Adaptors for identification plates		
MTMFRFIDAM **60020900**	**RFID-INFO adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace, with RFID or INFO interchangeable tag. To finish off with the MTMRFID or MTMMI module.	
MTMFNAAM **60020940**	**Access control keypad adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace, with 12-key keypad for access control. To finish off with the MTMKB electronic module.	
MTMFV0PAM **62030120**	**Blind video adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace. To finish off with corresponding electronic video intercom module.	
MTMFV1PAM **62030100**	**Single button video adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with call button and name tag size 42x10 mm. To finish off with corresponding electronic video intercom module.	
MTMFV2PAM **62030110**	**Double button video adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 2 call buttons and name tag size 42x10 mm. To finish off with corresponding electronic video intercom module.	

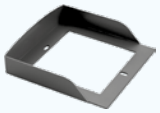
THE COMPLETE RANGE

Code	Description	
VR video front		
MTMFV0PVR **62030070**	**Blind video entry phone front in painted Zamak alloy.** Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status. To be combined with a video entry phone module. IK09 grade impact protection.	
MTMFV1PVR **62030080**	**Blind video entry phone front in painted Zamak alloy.** Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status and 1 button with 42x10 mm name card holder. To be combined with a video entry phone module. IK09 grade impact protection.	
MTMFV2PVR **62030090**	**2-button video entry phone front in painted Zamak alloy.** Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status and 2 buttons in two rows with 42x10 mm name card holder. To be combined with a video entry phone module. IK09 grade impact protection.	
VR front panels for call modules		
MTMF2PVR **60020660**	**2-button call module front in painted Zamak alloy.** Complete with support in polycarbonate and 2 buttons in a single row with 42x10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	
MTMF3PVR **60020670**	**3-button call module front in painted Zamak alloy.** Complete with support in polycarbonate and 3 buttons in a single row with 42x10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	
MTMF4PVR **60020680**	**4-button call module front in painted Zamak alloy.** Complete with support in polycarbonate and 4 buttons in a single row with 42x10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	
MTMF8PVR **60020690**	**8-button call module front in painted Zamak alloy.** Complete with support in polycarbonate and 8 buttons in two rows with 42x10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	

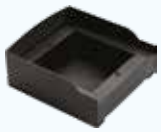
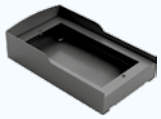
THE COMPLETE RANGE

Code	Description	
VR front panels for electronic expansion modules		
MTMFKBVR **60020700**	**Keyboard module front in painted Zamak alloy.** Complete with support in polycarbonate. To be combined with a MTMKB module. IK09 grade impact protection.	
MTMFDYVR **60020710**	**Display module front in painted Zamak alloy.** Complete with support in polycarbonate. To be combined with a MTMDY module. IK09 grade impact protection.	
MTMMCVR **60020730**	**Blind module complete with VR front.** Module with body in technopolymer. Complete with blind front in painted Zamak alloy. IK09 grade impact protection.	
MTMFRFIDVR **60020720**	**RFID – information module front in painted Zamak alloy.** Complete with support in polycarbonate. To be combined with a MTMRFID or MTMMI module. IK09 grade impact protection and IP54 grade water and dust protection.	
MTMFNAVR **60020930**	**Access control keyboard module front in painted Zamak alloy.** Complete with support in polycarbonate. To be combined with a MTMNA module. IK09 grade impact protection.	
MTMFBFVR **60020950**	**Hard of hearing and voice synthesis front module in painted Zamak alloy.** Complete with polycarbonate bracket. To be combined with an MTMBFVS module IK09 impact protection rating.	

THE COMPLETE RANGE

Code	Description	
VR frames		
MTMTP1MVR **60020740**	**Frame and plate for 1 module MTM VR.** Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
MTMTP2MVR **60020750**	**Frame and plate for 2-module MTM VR.** Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
MTMTP3MVR **60020760**	**Frame and plate for 3-module MTM VR.** Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
MTMTP4MVR **60020770**	**Frame and plate for 4-module MTM VR.** Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
Recess-mounting accessories		
MTMTI1M VR **840XC-0200**	**Rain cover for recess-mounting onto vertical, 1-module MTM entry panels, VR finish.** Rain cover made of steel sheet with double layer painting.	
MTMTI2M VR **840XC-0210**	**Rain cover for recess-mounting onto vertical, 2-module MTM entry panels, VR finish.** Rain cover made of steel sheet with double layer painting.	
MTMTI3M VR **840XC-0220**	**Rain cover for recess-mounting onto vertical, 3-module MTM entry panels, VR finish.** Rain cover made of steel sheet with double layer painting.	
MTMTI4M VR **840XC-0230**	**Rain cover for recess-mounting onto vertical, 4-module MTM entry panels, VR finish.** Rain cover made of steel sheet with double layer painting.	

THE COMPLETE RANGE

Code	Description	
Wall-hung accessories		
MTMSP1M VR **840XC-0160**	**Box with rain cover for wall mounting of vertical 1-module MTM entry panels, VR finish.** Wall-mounting box with steel sheet rain cover featured by double-layer painting, holes for passing the cables and other holes for the wall-fastening screws.	
MTMSP2M VR **840XC-0170**	**Box with rain cover for wall mounting of vertical 2-module MTM entry panels, VR finish.** Wall-mounting box with steel sheet rain cover featured by double-layer painting, holes for passing the cables and other holes for the wall-fastening screws.	
MTMSP3M VR **840XC-0180**	**Box with rain cover for wall mounting of vertical 3-module MTM entry panels, VR finish.** Wall-mounting box with steel sheet rain cover featured by double-layer painting, holes for passing the cables and other holes for the wall-fastening screws.	
MTMSP4M VR **840XC-0190**	**Box with rain cover for wall mounting of vertical 4-module MTM entry panels, VR finish.** Wall-mounting box with steel sheet rain cover featured by double-layer painting, holes for passing the cables and other holes for the wall-fastening screws.	

DIGITHA

Digital video door entry panel

IP 54

Water and dust protection

Recess mounted
2 mm thick

Wall mounted
47 mm thick

Easy to configure thanks to the "Quick Start" function, with wizard illustrated through the display of the device.
Equipped with mini USB port for PC connection, software programming and firmware update.

DIGITHA is the video door entry panel equipped with LCD display with 4 function keys that allow browsing through the graphic interface.
Thanks to the refined design and the resistance guaranteed by the vandal protection, it is ideal for large installations based on the XIP system.

The camera with "wide eye" lens allows an aperture of 100° horizontally and 82° vertically.

It is equipped with adjustable zoom and 4-LED high efficiency illuminator with adjustable intensity.

It uses an NTSC/PAL camera sensor with 680 x 512 resolution and a microprocessor for digital signal processing that improves performance in all conditions.

FUNCTIONS FOR PEOPLE WITH HEARING OR VISION IMPAIRMENT

The main functions (door opening, active communication, call in progress and system busy) are indicated by audible and visual alerts via LEDs with pictograms.

MAIN FUNCTIONS

- Wide Eye lens and zoom camera
- LED lighting
- Alphanumeric keyboard with touch buttons
- Digital calls to 2600 users.
- Microphone and speaker volume adjustment
- Electric lock activation time adjustment
- Output for activation of external cameras
- Dip-switch for adapting the line impedance
- Body in stainless steel with double-finishing contrast treatment
- 2 finishes available: Metal in double finish or electropolished for better weather resistance

THE COMPLETE RANGE

Code	Description	
Video intercom entry panels fo the XIP systems		
DDVC/08 VR **62080010**	**Vandal-proof monolithic video intercom entry panel for XIP systems; double finishing treatment.** Entry panel with AISI 304 stainless steel front plate and double finish treatment. PAL/NTSC 680x512 resolution video camera sensor with built-in microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Featuring a graphical LCD display, 4 function keys for browsing the graphical interface, alphanumeric keypad for digital calls and access control and RFID reader. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and, one output for activating external cameras. Adjustable microphone and speaker volumes. An LED is fitted in the front top provide visual alerts as to the system status. Dip-switch for adapting the line impedance. Manual "Quick Start" programming with menu-driven display or PC operation via MINI USB connector. IP54 water and dust protection.	
DDVC/08 VR ME1 **62080030**	**Vandal-proof monolithic video intercom entry panel for XIP systems; double finishing treatment.** Entry panel with AISI 304 stainless steel front plate and double finish treatment. PAL/NTSC 680x512 resolution video camera sensor with built-in microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Featuring a graphical LCD display, 4 function keys for browsing the graphical interface, alphanumeric keypad for digital calls and access control. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. Adjustable microphone and speaker volume. An LED is fitted in the front top provide visual alerts as to the system status. Dip-switch for adapting the line impedance. Manual "Quick Start" programming with menu-driven display or PC operation via MINI USB connector. IP54 water and dust protection.	
DDVC/08 VR ELU **62080040**	**Vandal-proof monolithic video intercom entry panel for XIP systems; electric polishing finish.** Entry panel with AISI 304 stainless steel front plate and electric polishing finish. PAL/NTSC 680x512 resolution video camera sensor with built-in microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Featuring a graphical LCD display, 4 function keys for browsing the graphical interface, alphanumeric keypad for digital calls and access control and RFID reader. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and, one output for activating external cameras. Adjustable microphone and speaker volume. An LED is fitted in the front top provide visual alerts as to the system status. Dip-switch for adapting the line impedance. Manual "Quick Start" programming with menu-driven display or PC operation via MINI USB connector. IP54 water and dust protection.	

DDVC/08 VR
62080010

PLUS

- Integrated RFID reader for opening through proximity key
- Open main door via number code
- AISI 304 stainless steel front plate with double finish metal treatment.

DDVC/08 VR ME1
62080030

PLUS

- Open main door via number code
- AISI 304 stainless steel front plate with double finish metal treatment.

TECHNICAL CHARACTERISTICS

MODELS	DDVC/08 VR	DDVC/08 VR ME1
Dimensions (mm)	140 x 380 x 40	140 x 380 x 40
Power supply (V)	14 ÷ 18 DC	14 ÷ 18 DC
Consumption in stand-by mode (mA)	-	-
Max. absorption (mA)	370	370
Operating temperature (°C)	-30 ÷ +50	-30 ÷ +50
Protection rating (IP)	54	54
Video standard	PAL/NTSC	PAL/NTSC
Color	Double stainless steel finish	Double stainless steel finish

DDVC/08 VR ELU
62080040

PLUS

- Integrated RFID reader for opening through proximity key
- Open main door via number code
- AISI 304 stainless steel front plate with electric polishing finish.

Accessories

DDSI VR
60090540

Recess-mounting box for entry panels of the Digitha series.
Brushed stainless steel recess-mounting box with self-locking joints and pre-punched holes for passing the cables.

DDCI VR
61800380

Frame with rain flap for installing onto entry panels of the Digitha series.
Frame with brushed stainless steel sheeting rain flap for fitting on recess-mounted installations for greater rain protection.

DDSP VR
60090550

Box with rain flap for installing onto entry panels of the Digitha series.
Brushed stainless steel box with cable gland, wall plugs and fastening screws.

DDSP VR ELU
60090690

Box with rain flap for installing onto entry panels of the Digitha series; electric polishing finish.
Electric polished stainless steel wall-mounting box with cable gland, wall plugs and fastening screws. To pair with electric polished entry panels.

TECHNICAL CHARACTERISTICS

MODELS	DDVC/08 VR ELU
Dimensions (mm)	140 x 380 x 40
Power supply (V)	14 ÷ 18 DC
Consumption in stand-by mode (mA)	-
Max. absorption (mA)	370
Operating temperature (°C)	-30 ÷ +50
Protection rating (IP)	54
Video standard	PAL/NTSC
Color	Electopolished stainless steel

THANGRAM

Semi modular video door entry panel

IP 54

Water and dust protection

Recess mounted
2 mm thick

Wall mounted
25 mm thick

Thangram is the semi-modular video door entry panel that can be customized both in functional and aesthetic aspects.
The camera with "Wide Eye" lens allows an aperture of 100° horizontally and 82° vertically.
It is equipped with adjustable zoom and 4-LED high efficiency illuminator with adjustable intensity.

It also uses a microprocessor for digital signal processing that improves performance in all conditions.
The technopolymer body is available in Greyhound or Metal finish.

The calling device can be configured in 4 different modes:

Classic push button panel with blue backlighting and name tag

Expandable digital selector switch

Access control via numerical code and RFID reader with integrated display

Access control via RFID reader

FUNCTIONS FOR PEOPLE WITH HEARING OR VISION IMPAIRMENT

The main functions (door opening, active communication, call in progress and system busy) are indicated by audible and visual alerts via LEDs with pictograms.

MAIN FUNCTIONS

- Wide Eye lens and zoom camera
- LED lighting
- Local control for electric lock
- Output for activation of external cameras
- Microphone and speaker volume adjustment
- Electric lock activation time adjustment
- Mini USB port for PC connection, software programming and firmware update.
- Water and dust protection IP54

THE COMPLETE RANGE

Code	Description	
Video intercom entry panels for the X1 systems		
DVC/01 62020010	**Semi-modular, monolithic video intercom entry panel for X1 systems.** Body made of techno-polymer with Greyhound finish and with Aluminum colored front plaque. Equipped with PAL/NTSC camera sensor with 680x512 resolution and integrated microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. It allows to adjust the microphone and speaker audio and the electric lock activation time. Blue backlit name tag buttons. Up to 108 calls can be expanded with the extra DP/0 push-button panel or with a keypad module for digital calls. IP54 water and dust protection.	
DVC/01 ME 62020020	**Semi-modular, monolithic video intercom entry panel for X1 systems - Metal finish.** Body made of techno-polymer and chromed, satin metal finish. Equipped with PAL/NTSC camera sensor with 680x512 resolution and integrated microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. It allows to adjusts the microphone and speaker audio and the electric lock activation time. The front is equipped with LEDs for visual indication of the system status. Blue backlit name tag buttons. Up to 108 calls can be expanded with the extra DP/0 push-button panel or with a keypad module for digital calls. Front plaque not included. IP54 water and dust protection.	
Video intercom entry panels fo the XIP systems		
DVC/08 62020030	**Semi-modular, monolithic video intercom entry panel for XIP systems.** Body made of techno-polymer with Greyhound finish, and with Aluminum colored front plaque. Equipped with PAL/NTSC camera sensor with 680x512 resolution and integrated microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. The front is equipped with LEDs for visual indication of the system status. It allows to adjusts the microphone and speaker audio and the electric lock activation time. Blue backlit name tag buttons. Can be expanded with the additional DP/0 keypad or with a keypad module for digital calls. IP54 water and dust protection.	
DVC/08 ME 62020040	**Semi-modular, monolithic video intercom entry panel for XIP systems, Metal finish.** Body made of techno-polymer and chromed, satin metal finish. Equipped with PAL/NTSC camera sensor with 680x512 resolution and integrated microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. It allows to adjusts the microphone and speaker audio and the electric lock activation time. The front is equipped with LEDs for visual indication of the system status. Blue backlit name tag buttons. Can be expanded with the additional DP/0 keypad or with a keypad module for digital calls. Front plaque not included. IP54 water and dust protection.	
Video intercom entry panels for IP360 systems		
DVC/IP ME 62020340	**Semi-modular, monolithic video intercom entry panel for IP360 systems.** Body made of techno-polymer and chromed, satin metal finish. With a 1/4 CMOS camera sensor, 640x480 VGA resolution and built-in microprocessor for digital signal processing. Grand angle wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Equipped with local control for electric lock, auxiliary contact (1 A, 24 V max), I/O programmable inputs for door lock release button and for door status alerts, I/O programmable output for activating external cameras. Terminals for network, PoE or local connection. The front is equipped with LEDs for visual indication of the system status. Blue backlit name-tag keys with adjustable brightness. On-board web server for configuring and updating firmware. Power supply POE or local 12 to 24 V DC. To finish off with front plaque. IP54 water and dust protection.	

DVC/01
62020010

PLUS

- Techno-polymer body with Greyhound finish
- Anodized aluminum plate with aluminum color
- PAL/NTSC camera sensor with VGA 680x512 resolution
- Up to 108 calls with DP/0 button module
- Up to 1250 calls in combination with DCOMBO module
- Up to 2600 digital calls with digital module

DVC/01 ME
62020020

PLUS

- Body made of techno-polymer with chrome satin metal finish
- Interchangeable anodized aluminum plate available in 4 colors (not included)
- PAL/NTSC camera sensor with VGA 680x512 resolution
- Up to 108 calls with DP/0 button module
- Up to 1250 calls in combination with DCOMBO module
- Up to 2600 digital calls with digital module

TECHNICAL CHARACTERISTICS

MODELS	DVC/01	DVC/01 ME
Dimensions (mm)	99 x 254 x 25	99 x 254 x 25
Power supply (V)	14 ÷ 18 DC	14 ÷ 18 DC
PoE power supply	-	-
Consumption in stand-by mode (mA)	130	130
Max. absorption (mA)	320	320
Operating temperature (°C)	-25 ÷ +50	-25 ÷ +50
Protection rating (IP)	54	54
Video standard	PAL/NTSC	PAL/NTSC
Color	Greyhound	Metal

DVC/08
62020030

PLUS

- Techno-polymer body with Greyhound finish
- Anodized aluminum plate with aluminum color
- PAL/NTSC camera sensor with VGA 680x512 resolution
- Up to 108 calls with DP/0 button module
- Up to 1250 calls in combination with DCOMBO module
- Up to 2600 digital calls with digital module

DVC/08 ME
62020040

PLUS

- Body made of techno-polymer with chrome satin metal finish
- Interchangeable anodized aluminum plate available in 4 colors (not included)
- PAL/NTSC camera sensor with VGA 680x512 resolution
- Up to 108 calls with DP/0 button module
- Up to 1250 calls in combination with DCOMBO module
- Up to 2600 digital calls with digital module

TECHNICAL CHARACTERISTICS

MODELS	DVC/08	DVC/08 ME
Dimensions (mm)	99 x 254 x 25	99 x 254 x 25
Power supply (V)	14 ÷ 18 DC	14 ÷ 18 DC
PoE power supply	-	-
Consumption in stand-by mode (mA)	130	90
Max. absorption (mA)	320	200
Operating temperature (°C)	-25 ÷ +50	-25 ÷ +50
Protection rating (IP)	54	54
Video standard	PAL/NTSC	PAL/NTSC
Color	Greyhound	Metal

DVC/IP ME
62020340

PLUS

- Body made of techno-polymer and chrome satin metal finish.
- Interchangeable anodized aluminum plate available in 4 colors (not included)
- 1/4 CMOS camera sensor with VGA 640x480 resolution
- Up to 208 calls with DP/0 button module
- Up to 1250 calls in combination with DCOMBO module
- Up to 2600 digital calls with digital DNA module
- Web interface for device configuration
- Integrated web-server for configuration, firmware updates and browser management
- Network connection via standard SIP protocol
- H.264 video codec, G711 audio codec
- Local or PoE (Powered over Ethernet) power supply

TECHNICAL CHARACTERISTICS

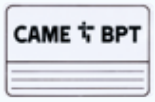
MODELS	DVC/IP ME
Dimensions (mm)	99 x 254 x 25
Power supply (V)	12 ÷ 24 DC
PoE power supply	IEEE 802.3af (13W)
Consumption in stand-by mode (mA)	-
Max. absorption (mA)	200
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54
Video standard	H.264
Color	Metal

THE COMPLETE RANGE

Code	Description	
Accessories		
DSI **60090050**	**Recess-mounting box for entry panels of the Thangram series.** Plastic recess-mounting box with self-locking joints and pre-punched holes for passing the cables. To finish off the installation with the DCI or DCI ME frame. Can be used with any entry panel of the Thangram series or extra DP/0 button panel.	
DPF AL **60090060**	**Anodized aluminum front plaque, Aluminum finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP/0 button panel.	
DPF NF **60090070**	**Anodized aluminum front plaque, Matt Black finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP/0 button panel.	
DP/0 **60090080**	**Extra button panel for intercom and video intercom entry panels of the Thangram series.** Set up to house, maximum 10, single and double overhang buttons and maximum 5, double height buttons. Equipped with 20 blue LEDs for backlighting the name tag keys. To finish off with a front plaque. IP54 water and dust protection.	
DPF ME **60090530**	**Anodized aluminum front plaque, Metal finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP/0 button panel.	
DPF RS **60090560**	**Anodized aluminum front plaque, Dark Red RAL 3011 finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	
DPF BL **60090570**	**Anodized aluminum front plaque, Ocean Blue RAL 5020 finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	
DPF BI **60090580**	**Anodized aluminum front plaque, White finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP/0 button panel.	
DPF VD **60090590**	**Anodized aluminum front plaque, Turquoise Mint RAL 6033 finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	
DPF AR **60090610**	**Anodized aluminum front plaque, Orange Yellow RAL 2000 finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	

THE COMPLETE RANGE

Code	Description	
Accessories		
DPF NL **60090620**	**Anodized aluminum front plaque, Deep Black RAL 9005 glossy finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	
DSM **60090630**	**Steel recess-mounting box for entry panels of the Thangram series.** Galvazied steel recess-mounting box wit pre-punched holes for passing the cables. To finish off the installation with the DCI or DCI ME frame. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	
DCI **61800010**	**Frame for recess-mounting entry panels of the Thangram series; Greyhound finish.** Satin chrome plated plastic frame; Greyhound finish. To use with the DSI recess-mounting box and with any entry panel of the Thangram series; with Greyhound finish and extra DP0 button panel.	
DCI ME **61800020**	**Frame for recess-mounting entry panels of the Thangram series; Metal finish.** Satin chrome plated plastic frame; Metal finish. To use with the DSI recess-mounting box and with any entry panel of the Thangram series; with Metal finish and extra DP0 button panel.	
DPS **61800030**	**Single button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 53x13 mm.	
DPH **61800040**	**Double height single button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 53x33 mm.	
DPD **61800050**	**Double overhang button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 25x13 mm.	
DTS **61800060**	**Single cap; Greyhound finish.** Techno-polymer cap. To use with any entry panel of the Thangram series; with Greyhound finish and extra DP0 button panel.	
DTS ME **61800070**	**Single cap; Metal finish.** Techno-polymer cap plated in Metal satin chrome. To use with any entry panel of the Thangram series; with Metal finish and extra DP0 button panel.	
DTH **61800080**	**Double-height cap; Greyhound finish.** Techno-polymer cap. To use with any entry panel of the Thangram series; with Greyhound finish and extra DP0 button panel.	

Code	Description	
Accessories		
DTH ME 61800090	**Double-height cap; Metal finish.** Techno-polymer cap plated in Metal satin chrome. To use with any entry panel of the Thangram series; with Metal finish and extra DP0 button panel.	
DRFID 61800290	**RFID reader module for proximity cards to use with entry panels of the Thangram series.** With antenna and decoding circuit and Mifare technology (13.56 MHz). It is fitted onto the entry panel (it takes up 2 single buttons). For use with any Thangram series intercom entry panel system and video intercom entry panel system (not applicable to the DP0 additional push-button panel).	
DNA 61800320	**Keypad module for digital call and access control to use with entry panels of the Thangram series. Greyhound finish.** Keypad module with 12 PC/ABS techno-polymer buttons. Key 0 to 9 for entering the code and 2 other keys for the main functions: activate call and confirm access code. It is fitted onto the entry panel (it takes up 3 single buttons). For use with any intercom and video intercom entry panel of the Thangram series; with Greyhound finish. The extra DP0 button panel does not apply.	
DNA ME 61800360	**Keypad module for digital call and access control to use with entry panels of the Thangram series. Metal finish.** 12-button keypad module made of PC/ABS techno-polymer with Metal satin chrome plating. Key 0 to 9 for entering the code and 2 other keys for the main functions: activate call and confirm access code. It is fitted onto the entry panel (it takes up 3 single buttons). To use with any intercom and video intercom entry panel of the Thangram series; with Metal finish. The extra DP0 button panel does not apply.	
DTP 61800390	**Rain flap for installing on wall onto entry panels of the Thangram series.** Painted steel sheeting rain flap. To use with any entry panel of the Thangram series or with the extra DP0 button panel.	
DMI 61800440	**Information module for generic alerts.** Basic set with transparent polycarbonate anti-UV outer cover. Can be used with any entry panel of the Thangram series or extra DP0 button panel. Cannot be used as a call button. Information tag dimensions: 53x33 mm.	
DBAD10 61800460	**Proximity card with Mifare technology.** To use for interacting with RFID readers. The package contains 10 pieces.	
DTAG5 61800470	**Keyfob proximity device with Mifare technology.** To use for interacting with RFID readers. The package contains 5 pieces.	
DCOMBO 61800760	**Keypad module for digital calls and access control with RFID reader and built-in display. To use with entry panels of the Thangram series.** Keypad module with soft touch buttons, integrated LCD display and proximity key reader. It is installed in the entry panel and occupies the space of 4 single keys. It is for searching for users in the address book and for enabling access control via a numeric code or proximity key. It allows you to store up to 1250 names in the address book. For use with any Thangram series intercom entry panel system and video intercom entry panel system (not applicable to the DP0 additional push-button panel).	

LITHOS

Monolithic residential video door entry panel

IP 54

Water and dust protection

Recess mounted
7 mm thick

Wall mounted
30 mm thick

Supplied with wall bracket, it can also be recess-mounted thanks to the optional box and frame.

LITHOS is the video door entry panel dedicated to small residential environments, characterized by its monolithic design and brushed stainless steel AISI 316L finish.

The call module can accommodate from 1 to 4 buttons with blue backlight and name tag.

The camera with "Wide Eye" lens allows an aperture of 94° horizontally and 77° vertically. It is equipped with adjustable zoom and 4-LED high efficiency illuminator with adjustable intensity.

It also uses a microprocessor for digital signal processing that improves performance in all conditions.

Programming can be performed either directly on the device or via software.

MAIN FUNCTIONS

- Wide Eye lens and zoom camera
- LED lighting
- 1 to 4 backlit call buttons
- Intercom function
- Microphone and speaker volume adjustment
- Electric lock activation time adjustment
- AISI 316L brushed stainless steel finish
- Water and dust protection IP54

THE COMPLETE RANGE

Code	Description
Video intercom entry panels for the X1 systems	
LVC/01 62020070	**Video entry phone monolithic external unit for X1 system that can be expanded up to 4 calls.** AISI 316L brushed stainless steel finish. With NTSC/PAL camera sensor, 680x512 resolution and built-in microprocessor for digital signal processing. Wide-eye lens with 94° horizontal and 77° vertical aperture and digital zoom. It allows to adjust the sound of the microphone, the speaker and the activation time of the electric lock. Backlighting of the blue name-tag keys. Programming can be done manually or via software. IP54 water and dust protection.

LVC/01
62020070

PLUS

- Wide Eye lens and zoom camera
- LED lighting
- 1 to 4 backlit call buttons
- AISI 316 brushed stainless steel finish

TECHNICAL CHARACTERISTICS

MODELS	LVC/01
Dimensions (mm)	99 x 207 x 30
Power supply (V)	16 ÷ 18 DC
Consumption in stand-by mode (mA)	100
Max. absorption (mA)	250
Operating temperature (°C)	-25 ÷ +50
Protection rating (IP)	54
Video standard	PAL/NTSC
Color	Brushed stainless steel

THE COMPLETE RANGE

Code	Description	
Accessories		
DPS **61800030**	**Single button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 53x13 mm.	
DPH **61800040**	**Double height single button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 53x33 mm.	
DPD **61800050**	**Double overhang button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 25x13 mm.	
LTP **61800410**	**Rain flap for installing on wall onto entry panels of the Lithos series.** Painted, steel-laminate rain flap to fit on intercom and video intercom entry panels of the Lithos series.	
LCI **61800420**	**Frame for recess-mounting entry panels of the Lithos series.** Frame made of PC/ABS techno-polymer - gray. To be used with the LSI recess-mounting box for intercom and video intercom entry panels of the Lithos series.	
LSI **60090640**	**Recess-mounting box for fitting entry panels of the Lithos series.** Plastic recess-mounting box with pre-punched holes for passing cables. Fit the LCI frame to finish off the installation.	

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CAME PARKARE

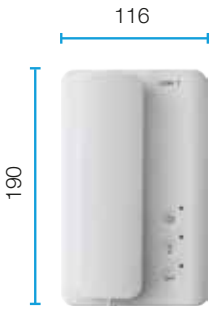
AUDIO ENTRY RECEIVER

94 AGT
100 PERLA

AGT

Handset entry phone

Handset



Wall mounted
44.5 mm thick
(without 21 mm handset)

Compatible for wall installation on 503 box (horizontal or vertical) and on round box Ø 60 mm.

AGT is the handset intercom characterized by the essential lines and ergonomic handset with magnetic hang-up that eliminates the risk of falling or incomplete contact.

Soft touch buttons for the X1 version, traditional mechanical buttons in the 200 version, with white indicator LEDs. In the EVO version, up to 6 intercom calls can be programmed.

MAIN FUNCTIONS

- Handset with magnetic hang-up
- Concealed LED signal
- AUX2 for auxiliary functions and call to the porter
- Automatic door-opener function

THE COMPLETE RANGE

Code	Description	
Handset intercoms for X1 systems		
AGT A **840CA-0040**	**Handset intercom with soft-touch buttons, 1 programmable AUX button, white. Equipped with button for ringtone adjustment/exclusion.** Wall-mounted intercom with 3 main soft-touch buttons for door opening, programmable auxiliary control and ringtone adjustment/exclusion (with signaling LED when excluded). It allows manging the "gate opener" function and displays the status of the gate controlled by means of a signaling LED. Prearranged for wall installation on horizontal and vertical 503 box and on round Ø 60 mm box. Compatible with the X1 and XIP systems.	
AGT A EVO **840CA-0050**	**Handset intercom with soft-touch buttons, 1 programmable AUX button and 4 buttons for intercom calls, white. Equipped with button for ringtone adjustment/exclusion.** Wall-mounted intercom with 3 main soft-touch buttons for door opening, programmable auxiliary control and ringtone adjustment/exclusion (with signaling LED when excluded). Suitable for multi-user systems as it allows up to 6 intercom calls and the sending of the "Panic" signal for the porter to call for help. It allows manging the "gate opener" function and displays the status of the gate controlled by means of a signaling LED. Prearranged for wall installation on horizontal and vertical 503 box and on round Ø 60 mm box. Compatible with the X1 and XIP systems.	
Entry phone with handset for 200 systems		
AGT A200 **840CA-0010**	**White handset entry phone.** Wall-mounted intercom with 1 button for door opening. Prearranged for wall installation on horizontal and vertical 503 box and on round Ø 60 mm box. Compatible with 200 system.	
AGT A200 EVO **840CA-0020**	Handset intercom with 2 AUX keys and 4 keys for intercom calls, white. **With lever for adjusting/excluding the ringer.** Wall-mounted intercom with 3 main buttons for door opening and 2 programmable auxiliary controls. Equipped with side lever for ringtone adjustment/exclusion (with indicator LED when excluded). Suitable for multi-user systems as it allows up to 6 intercom calls (4 using the dedicated buttons plus 2 using the AUX buttons, if free from other functions). Configurable by means of a dedicated jumper to manage the conversation privacy. Prearranged for wall installation on horizontal and vertical 503 box and on round Ø 60 mm box. Compatible with 200 system.	
AGT A200 K **840CA-0030**	Handset intercom with 2 AUX keys - white. **With lever for adjusting/excluding the ringer.** Wall-mounting intercom with 3 main buttons for door opening and two auxiliary controls, one of which is a switch with latch for automation control with gate status indication. Equipped with side lever for ringtone adjustment/exclusion (with indicator LED when excluded). Prearranged for wall installation on horizontal and vertical 503 box and on round Ø 60 mm box. Compatible with 200 system.	
Accessories		
AGT KT A **840XC-0140**	**Desktop stand for intercom indoor receivers of the AGT A, Agata Audio and Perla Audio series.** Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.	

AGT A
840CA-0040

PLUS

- Door-opener soft-touch button
- Programmable auxiliary soft-touch button
- Soft-touch button for ringtone adjustment/ exclusion with LED indicator when excluded
- Latch function (gate opener) for checking the status of external automations
- Automatic door-opener function

AGT A EVO
840CA-0050

PLUS

- Suitable for multi-user systems with 6 Intercom calls
- Door-opener soft-touch button
- Programmable auxiliary soft-touch button
- Soft-touch button for ringtone adjustment/ exclusion with LED indicator when excluded
- Call forwarding to other extension
- "Panic" control for calling the porter
- Latch function (gate opener) for checking the status of external automations
- Automatic door-opener function

TECHNICAL CHARACTERISTICS

MODELS	AGT A	AGT A EVO
Dimensions (mm)	116 x 190 x 44,5	116 x 190 x 44,5
Power supply by BUS (V)	15 ÷ 20 DC	15 ÷ 20 DC
Absorption by BUS (mA)	30	30
Consumption in stand-by mode (mA)	<1	<1
Operating temperature (°C)	+5 ÷ +40	+5 ÷ +40
Protection rating (IP)	30	30
Color	White	White

AGT A200
840CA-0010

PLUS

- Mechanical door opener button

AGT A200 EVO
840CA-0020

PLUS

- Suitable for multi-user systems with 6 Intercom calls
- Mechanical door opener button
- 2 auxiliary mechanical buttons
- Ringtone volume control lever

TECHNICAL CHARACTERISTICS

MODELS	AGT A200	AGT A200 EVO
Dimensions (mm)	116 x 190 x 50	116 x 190 x 50
Power supply by BUS (V)	-	-
Absorption by BUS (mA)	-	-
Consumption in stand-by mode (mA)	-	-
Operating temperature (°C)	+5 ÷ +40	+5 ÷ +40
Protection rating (IP)	30	30
Color	White	White

AGT A200 K
840CA-0030

PLUS

- Mechanical door opener button
- Auxiliary mechanical button
- Switch for automation control with LED signaling
- Ringtone volume control lever

TECHNICAL CHARACTERISTICS

MODELS	AGT A200 K
Dimensions (mm)	116 x 190 x 50
Power supply by BUS (V)	-
Absorption by BUS (mA)	-
Consumption in stand-by mode (mA)	-
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Color	White

THE COMPLETE RANGE

Code	Description
Accessories	
AGT KT A **840XC-0140**	**Desktop stand for intercom indoor receivers of the AGT A, Agata Audio and Perla Audio series.** Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.

PERLA

Handsfree entry phone

Perla is the hands-free wall-mounting intercom, characterized by the central blue backlit ring nut that allows to activate the many functions available.

MAIN FUNCTIONS

- Hands-free audio
- Program melodies depending on the type of call
- Adjust/exclude ringtone, with alert LED when set to exclude mode

Handsfree audio

A bracket is included for wall installation on 503 box (vertical) and round box Ø 60 mm.

THE COMPLETE RANGE

Code	Description	
Handsfree intercoms for X1 and XIP systems		
PEC BI **60540010**	**Handsfree intercom, 2 programmable AUX keys - white.** Wall-hung intercom with 2 main keys for opening the door and activating communication, featuring a central dial for controlling 2 auxiliary commands and 2 intercom calls. Equipped with buttons for adjusting/excluding the ringtone. It includes brace for wall-mounting on a vertical 503-type box and on round Ø 60 mm box. Compatible with the X1 and XIP systems.	
PEC NF **60540020**	**Handsfree intercom, 2 programmable AUX keys - black.** Wall-hung intercom with 2 main keys for opening the door and activating communication, featuring a central dial for controlling 2 auxiliary commands and 2 intercom calls. Equipped with buttons for adjusting/excluding the ringtone. It includes brace for wall-mounting on a vertical 503-type box and on round Ø 60 mm box. Compatible with the X1 and XIP systems.	
Handsfree intercoms for IP360 systems		
PEC IP WH **840CC-0010**	**IP Handsfree intercom, 4 programmable buttons - white.** Wall-hung intercom with 2 main keys for opening the door and activating communication, featuring a central dial for controlling 4 programmable buttons for activating up to 6 controls and/or functions. Equipped with buttons for adjusting/excluding the ringtone. It includes brace for wall-mounting on a vertical 503-type box and on round Ø 60 mm box. Compatible with IP360 system.	
PEC IP BK **840CC-0020**	**IP Handsfree intercom, 4 programmable buttons - black.** Wall-hung intercom with 2 main keys for opening the door and activating communication, featuring a central dial for controlling 4 programmable buttons for activating up to 6 controls and/or functions. Equipped with buttons for adjusting/excluding the ringtone. It includes brace for wall-mounting on a vertical 503-type box and on round Ø 60 mm box. Compatible with IP360 system.	
Accessories		
KT A **61800680**	**Desktop stand for intercom indoor receivers of the Agata Audio and Perla Audio series.** Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.	

PEC BI
60540010

PEC NF
60540020

PLUS

- 2 keys for activating auxiliary programmable functions
- 2 intercom calls

PEC IP WH
840CC-0010

PEC IP BK
840CC-0020

PLUS

- 4 programmable keys for activating up to 6 commands and/or functions
- Automatic door opener
- Porter calling
- PoE (Powered over Ethernet) power supply

TECHNICAL CHARACTERISTICS

MODELS	PEC BI	PEC NF	PEC IP WH	PEC IP BK
Dimensions (mm)	110 x 170 x 31	110 x 170 x 31	110 x 170 x 31	110 x 170 x 31
Power supply by BUS (V)	15 ÷ 20 DC	15 ÷ 20 DC	-	-
Absorption by BUS (mA)	80	80	-	-
PoE power supply	-	-	Class 2 (<6.5W) – Not isolated	Class 2 (<6.5W) – Not isolated
Consumption in stand-by mode (mA)	<1	<1	-	-
Operating temperature (°C)	+5 ÷ +40	+5 ÷ +40	+5 ÷ +40	+5 ÷ +40
Protection rating (IP)	30	30	30	30
Color	White	Black	White	Black

THE COMPLETE RANGE

Code	Description	
Accessories		
KT A 61800680	**Desktop stand for intercom indoor receivers of the Agata Audio and Perla Audio series.** Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.	

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AUDIO ENTRY PANEL

108 MTM
132 DIGITHA
136 THANGRAM
144 LITHOS

MTM

Modular intercom entry panel

MTM is the modular door entry panel developed to offer a range of products suitable for all different needs.
32 different modules for infinite combinations!

The essential and refined design makes MTM the perfect entry panel on any surface and context, from a single home to large residential or office settings.

The anodized and satin-finished aluminum front panel guarantees brilliance and durability.

The basic frame can accommodate from 1 to 4 modules, but it is possible to connect several frames to create very complex devices.

MTM

IK 07 — Shock protection rating

T — Version for the hearing impaired

IP 54 — Water and dust protection

MTM VR

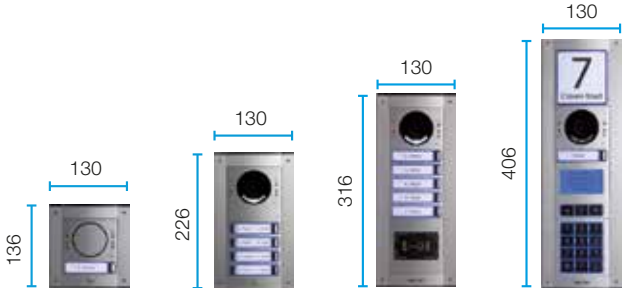
IK 09 — Shock protection rating

T — Version for the hearing impaired

IP 54 — Water and dust protection

MAIN CHARACTERISTICS

- Satin finish anodized aluminum front panel
- IK07 shock protection rating
- Up to 98 calls with buttons
- Unlimited digital calls
- Innovative front panel without speaker holes
- Two-tone key backlighting (blue/white)
- Backlight intensity adjustment
- Direct connection to an analogue camera (X1 audio)
- Mini USB port for PC connection, software programming and firmware update



Recess mounted
13 mm thick

Wall mounted
64 mm thick

MTM VR

MAIN CHARACTERISTICS

- IK09 certified version against vandalism
- Zamak frame and cover
- Strong shatter-proof buttons
- Anti-burglary screws

DIGITAL DIALING

The display enables a directory of up to 7,200 names to be displayed. During programming, you can choose the most suitable search modes based on the number of users: a scrolling list or an alphabetical block search.

BUTTON COMPOSITION

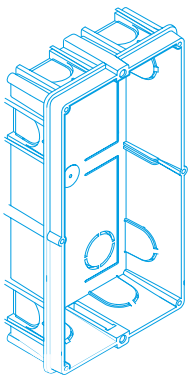
On the call module you can add the front panel with the number of buttons you need. So you can forget about any caps and buttons, while keeping the composition flexible. Front panels with 2,3,4 and 8 buttons are available.

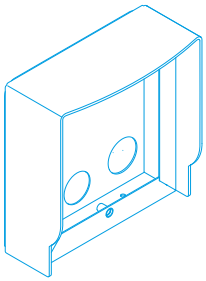
ACCESS CONTROL

The MTM range also includes 2 modules specifically for access control, one that is keypad operated and the other RDIF reader operated. Both modules are fitted with 2 on-board relay switches and 2 inputs for directly activating the relay switches.

RECESS BOX

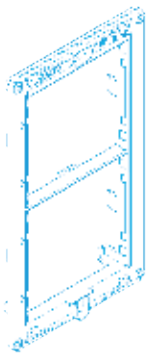
Available for the various entry panel versions, from 1 to 4 modules, depth 48.





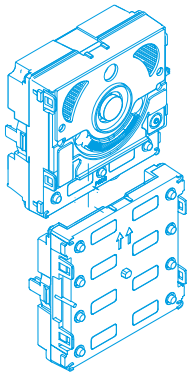
WALL-MOUNTING BOXES

A wall-mounting box is available if recess-mounting is unavailable.



FRAME

Aluminum module-housing profile with cataphoresis treatment and black paint coat to ensure high levels of endurance against corrosion and rust. Compatible with BTicino, Comelit and Urmet recess-mounting boxes.

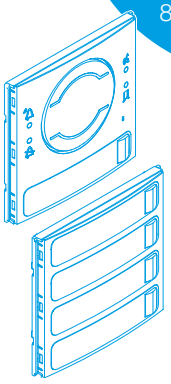


ELECTRONIC MODULES

Snap-in installation with no screw needed. Simple wiring among the modules. No chance of error thanks to the polarized connectors.

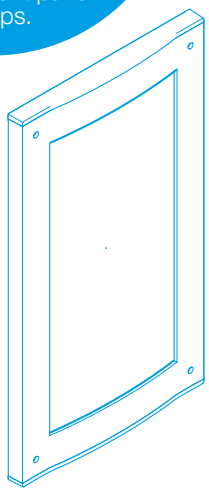
MTM IS QUICK AND EASY TO INSTALL

There are 5 components to an entry panel: the wall or recess-mounting box, the frame, the electronics module, the front panel and the external frame. Available in 2, 3, 4 and 8 button front panel set ups.



FRONT PANELS

Front panels ready for use, as they are pre-configured and need no additional buttons or caps. Outer side made of satin-finish aluminum with sturdy internal structure to make the standard outer panel IK07.



OUTER FRAME

The closing frame is sleek and essential, entirely made of satin-finished aluminum.

THE COMPLETE RANGE

Code	Description	
Electronic audio modules for X1 systems		
MTMA/01 **60020010**	**Intercom module for X1 systems.** Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). With input for outdoor analog video camera. The front is equipped with LEDs for visual indication of the system status. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual or PC programming via MINI USB connector on the front. To finish off with intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMAL/01 **60020020**	**Lite intercom module for X1 systems.** Electronic module with techno-polymer body and 2 call buttons with blue name tag backlighting. With local control for electric lock, input for door lock release button, programmable I/O auxiliary output, programmable I/O output for enabling outdoor video cameras. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual programming. To finish off with lite intercom front panel. Only for creating push button entry panels and can power MTMRFID, MTMNA access control modules, and only if configured in Master mode. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
Electronic audio modules for XIP systems		
MTMA/08 **60020420**	**Intercom modules for XIP systems.** Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). Dip-switch for adapting the line impedance. The front is equipped with LEDs for visual indication of the system status. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual or PC programming via MINI USB connector on the front. To be completed with a video intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
Electronic audio modules for IP360 systems		
MTMA/IP **60020040**	**Intercom modules for IP360 systems.** Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). RJ45 port for network, PoE or local connection. The front is equipped with LEDs for visual indication of the system status. On-board web server for configuring and updating firmware. Can be manually programmed. To be completed with a video intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	

THE COMPLETE RANGE

Code	Description	
Electronic audio modules for GSM systems		
MTMA/GSM **60020410**	**Intercom modules for GSM systems.** Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. Slot for on-board micro SIM (micro SIM not included). It can manage up to 1000 telephone numbers and remotely opens the gateway via a telephone ring. Featuring a local electric lock control, auxiliary contact (1A, 30V max), 2 inputs for call 1 and 2 (programmable I/O). The front is equipped with LEDs for visual indication of the system status. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual programming via SMS or from PC through the MINI USB connector on the front. Supplied with antenna and 2 m cable for antenna remote control. To finish off with intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
Electronic audio modules for 200 systems		
MTMA/200 **60020210**	**Intercom modules for 200 systems.** Electronic module with techno-polymer body and 2 call buttons with blue name tag backlighting. It allows to adjust the audio volume of the microphone and speaker. Expandable only with the MTM8C/200 call module for 200 systems. To finish off with lite intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
Call modules for X1, XIP, IP360 and GSM systems		
MTM8C **60020030**	**8-call module.** Electronic module with techno-polymer body, 8 call buttons and 16 LEDs for the double blue or white backlit name tags. Adjustable color and brightness of the LEDs using the main modules. To finish off with button front-plate. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
Calls module for 200 system		
MTM8C/200 **60020220**	**8-call module for 200 systems.** Electronic module with techno-polymer body, 8 call buttons and 8 LEDs for the double blue or white backlit name tags. Compatible only with the MTM8C/200 call module for 200 systems. To finish off with button front-plate. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	

THE COMPLETE RANGE

Code	Description	
Electronic expansion modules		
MTMKB **60020230**	**Digital call keypad module** Electronic module with techno-polymer body, with alphanumeric keypad with 12 buttons and double blue or white backlighting. Adjustable color and brightness of the LEDs using the main modules. Key 0 to 9 for entering the code and 2 other keys for the main functions: activate call and confirm access code. To finish off with digital call module front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMDY **60020240**	**Display module.** Electronic module with techno-polymer body and blue or white backlit LCD display. Color and brightness adjustment from the menu or via the main modules. It allows you to display a phonebook with up to 7200 names and search in scroll mode or alphabetic block mode. It allows direct calling to the extensions through the central button. To finish off with display front module. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMRFID **60020250**	**RFID access control module.** Electronic module with techno-polymer body equipped with RFID reader and 13.56 MHz Mifare technology, with blue or white backlighting. Adjustable color and brightness of the LEDs using the main modules. It allows the addition and removal of badges/tags directly from the reader itself or through a PC tool. It autonomously manages up to 6500 proximity cards. Access allowed/not allowed via buzzer and green/red signal LED. It can be installed either in stand alone mode or with the XIP or IP360 system via CAN bus. It is equipped with 2 relay contacts for door-openings and 2 inputs for directly activating the relays. To finish off with the RFID module front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMMI **60020290**	**Information module.** Electronic module with techno-polymer body equipped with LED for the double blue or white backlighting of the information tag. It allows to adjust color and brightness by using the main modules. To finish off with information module front-plate. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMMC **60020310**	**Hidden module with front panel.** Module with techno-polymer body and blind front panel made of natural anodized satin aluminum. Impact protection degree IK07 and water and dust protection degree IP54.	
MTMNA **60020380**	**Keypad module with access control.** Electronic module with techno-polymer body, with alphanumeric keypad with 12 buttons and double blue or white backlighting. Adjustable color and brightness of the LEDs using the main modules. Key 0 to 9 for entering the code and 2 other keys for confirming. It autonomously manages up to 3500 numeric codes. Access allowed/not allowed via buzzer and green/red signal LED. It can be installed either in stand alone mode or with the XIP or IP360 system via CAN bus. It is equipped with 2 relay contacts for door-openings and 2 inputs for directly activating the relays. To finish off with the access control keypad module front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	
MTMBFVS **60020390**	**Hearing impaired and voice synthesis module** Electronic module with techno-polymer body, equipped with a loudspeaker used for the playing back system voice messages. It has an audio-frequency induction system for hearing aids, in the "T" position. To finish off with the hearing impaired module. When combined with the corresponding front panel, it guarantees IP54 water and dust protection.	

MTMA/01
60020010

PLUS

- 2 call buttons with double blue or white backlight with intensity adjustment
- 2 controls for electric lock and auxiliary control (1A, 30V max)
- Output for activation of external cameras (programmable I/O)
- Control for adjusting the sound of the microphone, the speaker and the electric lock activation time.
- Video input for outdoor analog camera
- Mini USB port for PC connection, software programming and firmware update
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- To be completed with intercom front panel to obtain IP54 rating against water and dust.

MTMAL/01
60020020

PLUS

- 2 call buttons with blue backlight
- 2 controls for electric lock and auxiliary control (1A, 30V max)
- Output for activation of external cameras (programmable I/O)
- Control for adjusting the sound of the microphone, the speaker and the electric lock activation time.
- Video input for outdoor analog camera
- Manual programming.
- It allows the creation of entry panel with buttons only
- It can power access control modules (MTMRFID, MTMNA) only when configured in Master mode
- To be completed with lite intercom front panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMA/01	MTMAL/01
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35
Internal dimensions (mm)	-	-
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	16 ÷ 18 DC	14 ÷ 18 DC
PoE power supply	-	-
Consumption in stand-by mode (mA)	70	65
Max. absorption (mA)	220	200
Operating temperature (°C)	-25 ÷ +55	-25 ÷ +55
Protection rating (IP)	54	54

MTMA/08
60020420

PLUS

- 2 call buttons with double blue or white backlight with intensity adjustment
- 2 controls for electric lock and auxiliary control (1A, 30V max)
- Output for activation of external cameras (programmable I/O)
- Adjustable speaker, microphone and electric lock
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- It can be manually programmed.
- Mini USB port for PC connection, software programming and firmware update
- Dip-switch for adapting the line impedance.
- To be completed with intercom front panel to obtain IP54 rating against water and dust.

MTMA/IP
60020040

PLUS

- 2 call buttons with double blue or white backlight with intensity adjustment
- 2 controls for electric lock and auxiliary control (1A, 30V max)
- Output for activation of external cameras (programmable I/O)
- Logic connection of a remote IP CCTV camera possible
- Adjustable speaker, microphone and electric lock from PC
- It can be manually programmed.
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- Integrated web-server for configuration, firmware updates and browser management
- Web interface for device configuration
- Network connection via standard SIP protocol
- H.264 video codec, G711 audio codec
- Local or PoE (Powered over Ethernet) power supply
- To be completed with intercom front panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMA/08	MTMA/IP
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	14 ÷ 18 DC	12 ÷ 24 DC
PoE power supply	-	IEEE 802,3af (W)
Consumption in stand-by mode (mA)	30	70
Max. absorption (mA)	70	250
Operating temperature (°C)	-25 ÷ +55	-25 ÷ +55
Protection rating (IP)	54	54

MTMA/GSM
60020410

GSM

PLUS

- Up to 1000 telephone numbers and gateway remote opening via a telephone ring
- 2 call buttons with double blue or white backlight with intensity adjustment
- 2 controls for electric lock and auxiliary control (1A, 30V max)
- Slot for on-board micro SIM (micro SIM not included)
- Supplied with antenna and 2 m cable for antenna remote control
- Adjustable speaker, microphone and electric lock
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- Manual programming via SMS
- Mini USB port for PC connection, software programming and firmware update
- To be completed with intercom front panel to obtain IP54 rating against water and dust.

MTMA/200
60020210

200

PLUS

- 2 call buttons with blue backlight
- Adjustment of audio volume of the microphone and speaker.
- Expandable only with the MTM8C/200 call module for 200 systems.
- To be completed with lite intercom front panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMA/GSM	MTMA/200
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35
Internal dimensions (mm)	-	-
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	14 ÷ 24 AC/DC	12 DC
PoE power supply	-	-
Consumption in stand-by mode (mA)	50	4
Max. absorption (mA)	120	60
Operating temperature (°C)	-25 ÷ +55	-25 ÷ +55
Protection rating (IP)	54	54

MTM8C
60020030

PLUS

- Eight-button module
- Also programmable manually to handle 8, 4, 3 or 2 calls
- Blue or white LED for badge holders double backlighting.
- Adjustable color and brightness of the LEDs using the main modules.
- To be completed with push-buttons front panel to obtain IP54 rating against water and dust.

MTM8C/200
60020220

PLUS

- Eight-button module
- Blue LED for badge holders double backlighting.
- Compatible only with the Sistema 200 (MTMA/200) intercom module
- To be completed with push-buttons front panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTM8C	MTM8C/200
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35
Internal dimensions (mm)	-	-
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	10.7 - 18 DC	14 - 18 AC
PoE power supply	-	-
Consumption in stand-by mode (mA)	-	15
Max. absorption (mA)	25	15
Operating temperature (°C)	-25 ÷ +55	-25 ÷ +55
Protection rating (IP)	54	54

MTMBFVS
60020390

PLUS

- Hearing impaired and voice synthesis module
- Speaker for playback of multilingual voice messages related to the system
- It integrates an audio-frequency induction system for hearing aids, in the “T” position.
- Manual or PC tool programming
- To be completed with hearing aid module panel to obtain IP54 rating against water and dust.

MTMKB
60020230

PLUS

- Keypad module for digital call and access control code entering
- 12-button alphanumeric keyboard with double blue or white backlighting.
- Adjustable color and brightness of the LEDs using the main modules.
- Key 0 to 9 for entering the code
- 2 keys for main functions: call activation and access code confirmation
- To be completed with digital call module panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMBFVS	MTMKB
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35
Internal dimensions (mm)	-	-
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	10.7-18 DC	10.7-18 DC
PoE power supply	-	-
Consumption in stand-by mode (mA)	20	20
Max. absorption (mA)	55	55
Operating temperature (°C)	-25 ÷ +55	-25 ÷ +55
Protection rating (IP)	54	54

MTMDY
60020240

PLUS

- Blue or white backlight LCD display module
- Color and brightness adjustment from the menu or via the main modules.
- It allows viewing up to 7200 names in the address book.
- Search in scroll mode or alphabetic block mode.
- It allows direct calling to the extensions through the central button.
- To be completed with display module panel to obtain IP54 rating against water and dust.

MTMRFID
60020250

PLUS

- RFID access control module with Mifare technology (13.56 MHz)
- Blue or white backlighting
- Adjust color and brightness by using the main modules.
- Allows the addition and removal of badges/tags directly from the reader or through a PC tool.
- It independently manages up to 6,500 proximity keys.
- Sound and visual indication of the status (access allowed/denied) through buzzer and buttons backlighting (green/red).
- CAN BUS connector for connection to XIP or IP360 system
- 2 relay contacts for opening gates and 2 inputs for direct activation of the relays.
- To be completed with RFID module panel to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMDY	MTMRFID
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35
Internal dimensions (mm)	-	-
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	10.7-18 DC	12 ÷ 24 DC
PoE power supply	-	-
Consumption in stand-by mode (mA)	55	35
Max. absorption (mA)	250	90
Operating temperature (°C)	-25 ÷ +55	-25 ÷ +55
Protection rating (IP)	54	54

MTMMI
60020290

PLUS

- Information module
- Blue or white LED for information card backlighting
- Color and brightness adjustment using the main modules.
- To be completed with information module panel to obtain IP54 rating against water and dust.

MTMMC
60020310

PLUS

- Blind module
- Blind front panel made of natural anodized satin finish aluminum.
- IK07 impact resistance rating and water and IP54 water and dust protection rating.

TECHNICAL CHARACTERISTICS

MODELS	MTMMI	MTMMC
Dimensions (mm)	85 x 85 x 35	85 x 85 x 35 95 x 90 x 10
Internal dimensions (mm)	-	85 X 85 X 32
Packaging dimensions (mm)	156 x 57 x 110	156 x 57 x 110
Power supply (V)	10.7-18 DC	-
Max. absorption (mA)	25	-
Operating temperature (°C)	-25 ÷ +55	-
Protection rating (IP)	-	54
Color	-	Natural anodised satin-finish aluminium

MTMNA
60020380

PLUS

- Keypad module for access control.
- 12-button alphanumeric keyboard with double blue or white backlighting.
- Adjustable color and brightness of the LEDs using the main modules.
- Keys 0 to 9 for entering the code and 2 other keys for confirming.
- It manages up to 3500 numeric codes.
- Sound and visual indication of the status (access allowed/denied) through buzzer and buttons backlighting (green/red).
- CAN BUS connector for connection to XIP or IP360 system
- 2 relay contacts for opening gates and 2 inputs for direct activation of the relays.
- Manual or PC tool programming
- To be completed with access control front panel with keyboard module to obtain IP54 rating against water and dust.

TECHNICAL CHARACTERISTICS

MODELS	MTMNA
Dimensions (mm)	85 x 85 x 35
Internal dimensions (mm)	-
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	12 - 24 AC/DC
PoE power supply	-
Consumption in stand-by mode (mA)	35
Max. absorption (mA)	90
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

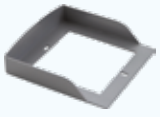
THE COMPLETE RANGE

Code	Description	
Accessory modules		
MTMGT **60020400**	**Heating module with thermostat for MTM external units.** Heater accessory that enables operation down to a temperature of -40 °C. To be combined with a built-in box (MTMSI2M, MTMSI3M or MTMSI4M).	
MTMEX8C **60020590**	**Module for the remote control of 8 call keys.** Electronic board complete with 8 inputs for remote call buttons (maximum distance 1 m) and two outputs for backlighting. Equipped with 2 connectors for modular bus input and output. To be connected to MTM series electronic intercom or video intercom modules (except MTMA/200).	
Audio front panels		
MTMFA0P **60020050**	**Blind intercom front panel made of natural anodized satin finish aluminum.** With polycarbonate brace, it features pictograms to indicate the status of the system. To pair up with an intercom module. Shock protection rating IK07.	
MTMFA1P **60020060**	**1-button intercom front panel made of natural anodized satin finish aluminum.** With polycarbonate brace, it features pictograms to indicate the status of the system and 1 button with name tag size 66x15 mm. To pair up with an intercom module. Shock protection rating IK07.	
MTMFA2P **60020070**	**2-button intercom front panel made of natural anodized satin finish aluminum.** With polycarbonate brace, it is equipped with pictograms to indicate the status of the system and 2 double rows of buttons with 55x15 mm name tags. To pair up with an intercom module. Shock protection rating IK07.	
MTMFAL0P **60020080**	**Lite blind intercom front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair up with the MTMAL/01 lite intercom module. Shock protection rating IK07.	
MTMFAL1P **60020090**	**1-button lite intercom front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. It comes with 1 button and a 66x15 mm name tag. To pair up with the MTMAL/01 lite intercom module. Shock protection rating IK07.	
MTMFAL2P **60020100**	**2-button lite intercom front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. With 2 buttons, in double rows, and 55x15 mm name tags. To pair up with the MTMAL/01 lite intercom module. Shock protection rating IK07.	

THE COMPLETE RANGE

Code	Description	
Front panels for call modules		
MTMF2P **60020110**	**2-button call module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace and 2 single row buttons with name tag size 66x15 mm. To pair with the MTM8C or MTM8C/200 call module. Shock protection rating IK07.	
MTMF3P **60020120**	**3-button call module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace and 3 single row buttons with name tag size 66x15 mm. To pair with the MTM8C or MTM8C/200 call module. Shock protection rating IK07.	
MTMF4P **60020130**	**4-button call module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace and 4 single row buttons with name tag size 66x15 mm. To pair with the MTM8C or MTM8C/200 call module. Shock protection rating IK07.	
MTMF8P **60020140**	**8-button call module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace and 8 double row buttons with name tag size 55 x 15 mm. To pair with the MTM8C or MTM8C/200 call module. Shock protection rating IK07.	
Front panels for electronic expansion modules		
MTMFRFID **60020260**	**RFID module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMRFID module. Shock protection rating IK07.	
MTMFKB **60020270**	**Keypad module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMKB module. Shock protection rating IK07.	
MTMFDY **60020280**	**Display module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMDY module. Shock protection rating IK07.	
MTMFMI **60020300**	**Information module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMMI module. Shock protection rating IK07.	
MTMFNA **60020910**	**Access control keypad module front panel made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMNA module. Shock protection rating IK07.	
MTMFBF **60020920**	**Hearing impaired and voice synthesis module made of natural anodized satin finish aluminum.** With polycarbonate brace. To pair with the MTMBFVS module. Shock protection rating IK07.	

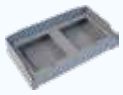
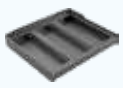
THE COMPLETE RANGE

Code	Description	
Frames		
MTMTP1M **60020170**	**Frame and plaque for 1-module MTM.** Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	
MTMTP2M **60020180**	**Frame and plaque for 2-module MTM.** Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	
MTMTP3M **60020340**	**Frame and plaque for 3-module MTM.** Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	
MTMTP4M **60020350**	**Frame and plaque for 4-module MTM.** Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	
Accessories for recessed installation		
MTMSI1M **60020150**	**Recess-mounting box for 1-module MTM entry panels.** Plastic recess-mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMSI2M **60020160**	**Recess-mounting box for 2-module MTM entry panels.** Plastic recess-mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMSI3M **60020320**	**Recess-mounting box for 3-module MTM entry panels.** Plastic recess-mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMSI4M **60020330**	**Recess-mounting box for 4-module MTM entry panels.** Plastic recess-mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMTI1M **60020490**	**Rain flap for recess-mounting onto vertical, 1-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI2M **60020500**	**Rain flap for recess-mounting onto vertical, 2-module MTM entry panels.** Painted metal sheeting rain ledge.	

THE COMPLETE RANGE

Code	Description	
Accessories for recessed installation		
MTMTI3M **60020510**	**Rain flap for recess-mounting onto vertical, 3-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI4M **60020520**	**Rain flap for recess-mounting onto vertical, 4-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI1M2 **60020530**	**Rain flap for recess-mounting onto horizontal 2-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI1M3 **60020540**	**Rain flap for recess-mounting onto horizontal 3-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI1M4 **60020550**	**Rain flap for recess-mounting onto horizontal 4-module MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI2M2 **60020560**	**Rain flap for recess-mounting onto 2 vertical and 2 horizontal MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI3M2 **60020570**	**Rain flap for recess-mounting onto 3 vertical and 2 horizontal MTM entry panels.** Painted metal sheeting rain ledge.	
MTMTI3M3 **60020580**	**Rain flap for recess-mounting onto 3 vertical and 3 horizontal MTM entry panels.** Painted metal sheeting rain ledge.	

THE COMPLETE RANGE

Code	Description	
Accessories for wall installation		
MTMSP1M **60020190**	**Box with rain flap for wall-mounting vertical 1-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP2M **60020200**	**Box with rain flap for wall-mounting vertical 2-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP3M **60020360**	**Box with rain flap for wall-mounting vertical 3-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP4M **60020370**	**Box with rain flap for wall-mounting vertical 4-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP1M2 **60020430**	**Box with rain flap for wall-mounting horizontal 2-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP1M3 **60020440**	**Box with rain flap for wall-mounting horizontal 3-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP1M4 **60020450**	**Box with rain flap for wall-mounting horizontal 4-module MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP2M2 **60020460**	**Box with rain flap for wall-mounting 2 vertical and 2 horizontal MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP3M2 **60020470**	**Box with rain flap for wall-mounting 2 vertical and 3 horizontal MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP3M3 **60020480**	**Box with rain flap for wall-mounting 3 vertical and 3 horizontal MTM entry panels.** Wall-mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	

THE COMPLETE RANGE

Code	Description	
Adaptors for identification plates		
MTMFA0PAM **60020780**	**Blind audio adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace. To be completed with corresponding electronic intercom module.	
MTMFA1PAM **60020790**	**Single button audio adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with call button and name tag size 42x10 mm. To be completed with corresponding electronic intercom module.	
MTMFA2PAM **60020800**	**Double button audio adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 2 call buttons and name tag size 42x10 mm. To be completed with corresponding electronic intercom module.	
MTMFAL0PAM **60020810**	**Lite blind audio adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace. Finish off with the MTMAL/01 lite intercom electronic module.	
MTMFAL1PAM **60020820**	**Lite single button audio adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with call button and name tag size 42x10 mm. To finish off with the MTMAL/01 lite intercom electronic module.	
MTMFAL2PAM **60020830**	**Lite double button audio adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 2 call buttons and name tag size 42x10 mm. To finish off with the MTMAL/01 lite intercom electronic module.	
MTMF2PAM **60020840**	**2 button adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 2 call buttons and name tags size 42x10 mm. To finish off with the corresponding MTM8C or MTM8C/200 electronic call module.	
MTMF3PAM **60020850**	**3 button adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 3 call buttons and name tags size 42x10 mm. To finish off with the corresponding MTM8C or MTM8C/200 electronic call module.	

THE COMPLETE RANGE

Code	Description	
Adaptors for identification plates		
MTMF4PAM **60020860**	**4 button adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 4 call buttons and name tags size 42x10 mm. To finish off with the corresponding MTM8C or MTM8C/200 electronic call module.	
MTMF8PAM **60020870**	**8 button adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace with 8 call buttons and name tags size 42x10 mm. To finish off with the corresponding MTM8C or MTM8C/200 electronic call module.	
MTMFKBAM **60020880**	**Digital call keypad adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace, alpha-numeric keypad with 12 call buttons for digital calls. To finish off with the MTMKB electronic module.	
MTMFDYAM **60020890**	**Display adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace, with 3 keys for menu browsing. To finish off with the MTMDY module.	
MTMFRFIDAM **60020900**	**RFID-INFO adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace, with RFID or INFO interchangeable tag. To finish off with the MTMRFID or MTMMI module.	
MTMFNAAM **60020940**	**Access control keypad adapter** Mechanical adapter for other front plates (2 mm thick), polycarbonate brace, with 12-key keypad for access control. To finish off with the MTMKB electronic module.	

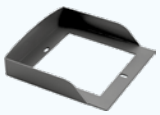
THE COMPLETE RANGE

Code	Description	
VR audio front		
MTMFA0PVR **60020600**	**Anti-vandlism blind entry phone front in painted Zamak alloy.** Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status. To be combined with an entry phone module. IK09 grade impact protection.	
MTMFA1PVR **60020610**	**1-button entry phone front in painted Zamak alloy.** Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status and 1 button with 42x10 mm name card holder. To be combined with an entry phone module. IK09 grade impact protection.	
MTMFA2PVR **60020620**	**2-button entry phone front in painted Zamak alloy.** Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status and 2 buttons in two rows with 42x10 mm name card holder. To be combined with an entry phone module. IK09 grade impact protection.	
MTMFAL0PVR **60020630**	**Blind entry phone lite front in painted Zamak alloy.** Complete with support in polycarbonate. To be combined with the entry phone lite module (MTMAL/01). IK09 grade impact protection.	
MTMFAL1PVR **60020640**	**1-button entry phone lite front in painted Zamak alloy.** Complete with support in polycarbonate, it is equipped with 1 button and 42x10 mm name card holder. To be combined with the entry phone lite module (MTMAL/01). IK09 grade impact protection.	
MTMFAL2PVR **60020650**	**2-button entry phone lite front in painted Zamak alloy.** Complete with support in polycarbonate, it is equipped with 2 buttons in two rows with 42x10 mm name card holder. To be combined with the entry phone lite module (MTMAL/01). IK09 grade impact protection.	

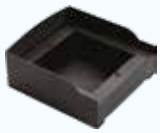
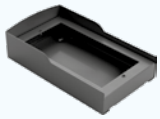
THE COMPLETE RANGE

Code	Description	
VR front panels for call modules		
MTMF2PVR **60020660**	**2-button call module front in painted Zamak alloy.** Complete with support in polycarbonate and 2 buttons in a single row with 42x10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	
MTMF3PVR **60020670**	**3-button call module front in painted Zamak alloy.** Complete with support in polycarbonate and 3 buttons in a single row with 42x10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	
MTMF4PVR **60020680**	**4-button call module front in painted Zamak alloy.** Complete with support in polycarbonate and 4 buttons in a single row with 42x10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	
MTMF8PVR **60020690**	**8-button call module front in painted Zamak alloy.** Complete with support in polycarbonate and 8 buttons in two rows with 42x10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	
VR front panels for electronic expansion modules		
MTMFKBVR **60020700**	**Keyboard module front in painted Zamak alloy.** Complete with support in polycarbonate. To be combined with a MTMKB module. IK09 grade impact protection.	
MTMFDYVR **60020710**	**Display module front in painted Zamak alloy.** Complete with support in polycarbonate. To be combined with a MTMDY module. IK09 grade impact protection.	
MTMMCVR **60020730**	**Blind module complete with VR front.** Module with body in technopolymer. Complete with blind front in painted Zamak alloy. IK09 grade impact protection.	
MTMFRFIDVR **60020720**	**RFID – information module front in painted Zamak alloy.** Complete with support in polycarbonate. To be combined with a MTMRFID or MTMMI module. IK09 grade impact protection and IP54 grade water and dust protection.	
MTMFNAVR **60020930**	**Access control keyboard module front in painted Zamak alloy.** Complete with support in polycarbonate. To be combined with a MTMNA module. IK09 grade impact protection.	
MTMFBFVR **60020950**	**Hard of hearing and voice synthesis front module in painted Zamak alloy.** Complete with polycarbonate bracket. To be combined with an MTMBFVS module IK09 impact protection rating.	

THE COMPLETE RANGE

Code	Description	
VR frames		
MTMTP1MVR **60020740**	**Frame and plate for 1 module MTM VR.** Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
MTMTP2MVR **60020750**	**Frame and plate for 2-module MTM VR.** Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
MTMTP3MVR **60020760**	**Frame and plate for 3-module MTM VR.** Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
MTMTP4MVR **60020770**	**Frame and plate for 4-module MTM VR.** Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
Recess-mounting accessories		
MTMTI1M VR **840XC-0200**	**Rain cover for recess-mounting onto vertical, 1-module MTM entry panels, VR finish.** Rain cover made of steel sheet with double layer painting.	
MTMTI2M VR **840XC-0210**	**Rain cover for recess-mounting onto vertical, 2-module MTM entry panels, VR finish.** Rain cover made of steel sheet with double layer painting.	
MTMTI3M VR **840XC-0220**	**Rain cover for recess-mounting onto vertical, 3-module MTM entry panels, VR finish.** Rain cover made of steel sheet with double layer painting.	
MTMTI4M VR **840XC-0230**	**Rain cover for recess-mounting onto vertical, 4-module MTM entry panels, VR finish.** Rain cover made of steel sheet with double layer painting.	

THE COMPLETE RANGE

Code	Description	
Wall-hung accessories		
MTMSP1M VR **840XC-0160**	**Box with rain cover for wall mounting of vertical 1-module MTM entry panels, VR finish.** Wall-mounting box with steel sheet rain cover featured by double-layer painting, holes for passing the cables and other holes for the wall-fastening screws.	
MTMSP2M VR **840XC-0170**	**Box with rain cover for wall mounting of vertical 2-module MTM entry panels, VR finish.** Wall-mounting box with steel sheet rain cover featured by double-layer painting, holes for passing the cables and other holes for the wall-fastening screws.	
MTMSP3M VR **840XC-0180**	**Box with rain cover for wall mounting of vertical 3-module MTM entry panels, VR finish.** Wall-mounting box with steel sheet rain cover featured by double-layer painting, holes for passing the cables and other holes for the wall-fastening screws.	
MTMSP4M VR **840XC-0190**	**Box with rain cover for wall mounting of vertical 4-module MTM entry panels, VR finish.** Wall-mounting box with steel sheet rain cover featured by double-layer painting, holes for passing the cables and other holes for the wall-fastening screws.	

DIGITHA

Digital intercom entry panel

IP 54

Water and dust protection

Recess mounted
2 mm thick

Wall mounted
47 mm thick

Easy to configure thanks to the "Quick Start" function, with wizard illustrated through the display of the device.
Equipped with mini USB port for PC connection, software programming and firmware update.

DIGITHA is the intercom entry panel equipped with LCD display with 4 function keys that allow navigation through the graphic interface.
Thanks to the refined design and the resistance guaranteed by the vandal protection, it is ideal for large installations based on the XIP system.

FUNCTIONS FOR PEOPLE WITH HEARING OR VISION IMPAIRMENT

The main functions (door opening, active communication, call in progress and system busy) are indicated by audible and visual alerts via LEDs with pictograms.

MAIN FUNCTIONS

- Alphanumeric keyboard with touch buttons
- Digital calls to 2600 users.
- Microphone and speaker volume adjustment
- Electric lock activation time adjustment
- Output for activation of external cameras
- Dip-switch for adapting the line impedance
- Body in stainless steel with double-finishing contrast treatment
- 2 finishes available:
  Metal or Electropolished for better weather resistance

THE COMPLETE RANGE

Code	Description	
Intercom entry panels for XIP systems		
DDC/08 VR **60080010**	**Vandal-proof monolithic intercom entry panel for XIP systems; double finishing treatment.** Entry panel with AISI 304 stainless steel front plate and double finish treatment. Featuring a graphical LCD display, 4 function keys for browsing the graphical interface, alphanumeric keypad for digital calls and access control and RFID reader. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. Adjustable microphone and speaker volume. An LED is fitted in the front top provide visual alerts as to the system status. Dip-switch for adapting the line impedance. Manual "Quick Start" programming with menu-driven display or PC operation via MINI USB connector. IP54 water and dust protection.	
DDC/08 VR ELU **60080020**	**Vandal-proof monolithic intercom entry panel for XIP systems; electric polishing finish.** Entry panel with AISI 304 stainless steel front plate and electric polishing finish. Featuring a graphical LCD display, 4 function keys for browsing the graphical interface, alphanumeric keypad for digital calls and access control and RFID reader. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and, one output for activating external cameras. Adjustable microphone and speaker volume. An LED is fitted in the front top provide visual alerts as to the system status. Dip-switch for adapting the line impedance. Manual "Quick Start" programming with menu-driven display or PC operation via MINI USB connector. IP54 water and dust protection.	

DDC/08 VR
60080010

PLUS

- Integrated RFID reader for opening through proximity key
- Open main door via number code
- AISI 304 stainless steel front plate with double finish metal treatment.

DDC/08 VR ELU
60080020

PLUS

- Integrated RFID reader for opening through proximity key
- Open main door via number code
- AISI 304 stainless steel front plate with electric polishing finish

TECHNICAL CHARACTERISTICS

MODELS	DDC/08 VR	DDC/08 VR ELU
Dimensions (mm)	140 x 380 x 40	140 x 380 x 40
Power supply (V)	14 ÷ 18 DC	14 ÷ 18 DC
Consumption in stand-by mode (mA)	370	-
Max. absorption (mA)	220	370
Operating temperature (°C)	-30 ÷ +50	-30 ÷ +50
Protection rating (IP)	54	54
Video standard	-	-
Color	Double stainless steel finish	Electopolished stainless steel

THE COMPLETE RANGE

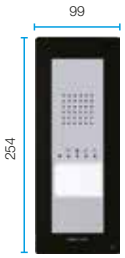
Code	Description	
Accessories		
DDSI VR **60090540**	**Recess-mounting box for entry panels of the Digitha series.** Brushed stainless steel recess-mounting box with self-locking joints and pre-punched holes for passing the cables.	
DDCI VR **61800380**	**Frame with rain flap for installing onto entry panels of the Digitha series.** Frame with brushed stainless steel sheeting rain flap for fitting on recess-mounted installations for greater rain protection.	
DDSP VR **60090550**	**Box with rain flap for installing onto entry panels of the Digitha series.** Brushed stainless steel box with cable gland, wall plugs and fastening screws.	
DDSP VR ELU **60090690**	**Box with rain flap for installing onto entry panels of the Digitha series; electric polishing finish.** Electric polished stainless steel wall-mounting box with cable gland, wall plugs and fastening screws. To pair with electric polished entry panels.	

THANGRAM

Semi-modular intercom entry panel

IP 54

Water and dust protection



Recess mounted
2 mm thick

Wall mounted
25 mm thick

Thangram is the semi-modular intercom entry panel customizable both in functional and aesthetic aspects. The technopolymer body is available in Greyhound or Metal finish.

The calling device can be configured in 4 different modes:

Classic push button panel with blue backlighting and name tag

Expandable digital selector switch

Access control via numerical code and RFID reader with integrated display

Access control via RFID reader

FUNCTIONS FOR PEOPLE WITH HEARING OR VISION IMPAIRMENT

The main functions (door opening, active communication, call in progress and system busy) are indicated by audible and visual alerts via LEDs with pictograms.

MAIN FUNCTIONS

- Local control for electric lock
- Output for activation of external cameras
- Microphone and speaker volume adjustment
- Electric lock activation time adjustment
- Mini USB port for PC connection, software programming and firmware update
- Water and dust protection IP54

THE COMPLETE RANGE

Code	Description	
Intercom entry panels for X1 systems		
DC/01 **60090010**	**Semi-modular, monolithic intercom entry panel for X1 system.** Body made of techno-polymer with Greyhound finish and with Aluminum colored front plaque. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. It allows to adjusts the microphone and speaker audio and the electric lock activation time. The front is equipped with LEDs for visual indication of the system status. Blue backlit name tag buttons. Up to 108 calls can be expanded with the extra DP/0 push-button panel or with a keypad module for digital calls. IP54 water and dust protection.	
DC/01 ME **60090020**	**Semi-modular, monolithic intercom entry panel for X1 system, Metal finish.** Body made of techno-polymer and chromed, satin metal finish. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and, one output for activating external cameras. Adjusts the microphone and speaker audio and the electric lock activation time. The front is equipped with LEDs for visual indication of the system status. Blue backlit button with name tag. Up to 108 calls can be expanded with the extra DP/0 push-button panel or with a keypad module for digital calls. Front plate not included. IP54 water and dust protection rating.	
Intercom entry panels for XIP systems		
DC/08 **60090030**	**Semi-modular, monolithic intercom entry panel for XIP system.** Body made of techno-polymer with Greyhound finish, and with Aluminum colored front plate. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and, one output for activating external cameras. Adjusts the microphone and speaker audio and the electric lock activation time. The front is equipped with LEDs for visual indication of the system status. Blue backlit button with name tag. Expandable with additional button panel (DP/0) or with a keyboard module for digital calls. IP54 water and dust protection rating.	
DC/08 ME **60090040**	**Semi-modular, monolithic intercom entry panel for XIP system, Metal finish.** Body made of techno-polymer and chromed, satin metal finish. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. It allows to adjusts the microphone and speaker audio and the electric lock activation time. The front is equipped with LEDs for visual indication of the system status. Blue backlit name tag buttons. Can be expanded with the additional DP/0 keypad or with a keypad module for digital calls. Front plaque not included. IP54 water and dust protection.	
Video intercom entry panels fo the IP360 systems		
DC/IP ME **60091030**	**Semi-modular, monolithic intercom entry panel for IP360 system.** Body made of techno-polymer and chromed, satin metal finish. Equipped with local control for electric lock, auxiliary contact (1 A, 24 V max), I/O programmable inputs for door lock release button and for door status alerts, I/O programmable output for activating external cameras. Terminals for network, PoE or local connection. The front is equipped with LEDs for visual indication of the system status. Blue backlit name-tag keys with adjustable brightness. On-board web server for configuring and updating firmware. Power supply POE or local 12 to 24 V DC. To finish off with a front plaque. IP54 water and dust protection.	

DC/01
60090010

PLUS

- Techno-polymer body with Greyhound finish
- Anodized aluminum plate with aluminum color
- Up to 108 calls with DP/0 button module
- Up to 1250 calls in combination with DCOMBO module
- Up to 2600 digital calls with digital DNA module

DC/01 ME
60090020

PLUS

- Body made of techno-polymer with chrome satin metal finish
- Interchangeable anodized aluminum plate available in 4 colors (not included)
- Up to 108 calls with DP/0 button module
- Up to 1250 calls in combination with DCOMBO module
- Up to 2600 digital calls with digital DNA module

TECHNICAL CHARACTERISTICS

MODELS	DC/01	DC/01 ME
Dimensions (mm)	99 x 254 x 25	99 x 254 x 25
Power supply (V)	14 ÷ 18 DC	14 ÷ 18 DC
PoE power supply	-	-
Consumption in stand-by mode (mA)	130	130
Max. absorption (mA)	320	320
Operating temperature (°C)	-25 ÷ +50	-25 ÷ +50
Protection rating (IP)	54	54
Video standard	-	-
Color	Greyhound	Metal

DC/08
60090030

PLUS

- Techno-polymer body with Greyhound finish
- Anodized aluminum plate with aluminum color
- Up to 108 calls with DP/0 button module
- Up to 1250 calls in combination with DCOMBO module
- Up to 2600 digital calls with digital DNA module

DC/08 ME
60090040

PLUS

- Body made of techno-polymer with chrome satin metal finish
- Interchangeable anodized aluminum plate available in 4 colors (not included)
- Up to 108 calls with DP/0 button module
- Up to 1250 calls in combination with DCOMBO module
- Up to 2600 digital calls with digital DNA module

TECHNICAL CHARACTERISTICS

MODELS	DC/08	DC/08 ME
Dimensions (mm)	99 x 254 x 25	99 x 254 x 25
Power supply (V)	14 ÷ 18 DC	14 ÷ 18 DC
PoE power supply	-	-
Consumption in stand-by mode (mA)	90	90
Max. absorption (mA)	200	200
Operating temperature (°C)	-25 ÷ +50	-25 ÷ +50
Protection rating (IP)	54	54
Video standard	-	-
Color	Greyhound	Metal

DC/IP ME
60091030

PLUS

- Body made of techno-polymer and chrome satin metal finish.
- Interchangeable anodized aluminum plate available in 4 colors (not included)
- Up to 208 calls with DP/0 button module
- Up to 1250 calls in combination with DCOMBO module
- Up to 2600 digital calls with digital DNA module
- Web interface for device configuration
- Integrated web-server for configuration, firmware updates and browser management
- Network connection via standard SIP protocol
- H.264 video codec, G711 audio codec
- Local or PoE (Powered over Ethernet) power supply
- Auxiliary contact (1 A, 24 V max)

TECHNICAL CHARACTERISTICS

MODELS	DC/IP ME
Dimensions (mm)	99 x 254 x 25
Power supply (V)	12 ÷ 24 DC
PoE power supply	IEEE 802.3af (13W)
Consumption in stand-by mode (mA)	-
Max. absorption (mA)	150
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54
Video standard	-
Color	Metal

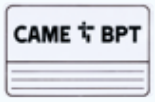
THE COMPLETE RANGE

Code	Description	
Accessories		
DSI **60090050**	**Recess-mounting box for entry panels of the Thangram series.** Plastic recess-mounting box with self-locking joints and pre-punched holes for passing the cables. To finish off the installation with the DCI or DCI ME frame. Can be used with any entry panel of the Thangram series or extra DP/0 button panel.	
DPF AL **60090060**	**Anodized aluminum front plaque, Aluminum finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP/0 button panel.	
DPF NF **60090070**	**Anodized aluminum front plaque, Matt Black finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP/0 button panel.	
DP/0 **60090080**	**Extra button panel for intercom and video intercom entry panels of the Thangram series.** Set up to house, maximum 10, single and double overhang buttons and maximum 5, double height buttons. Equipped with 20 blue LEDs for backlighting the name tag keys. To finish off with a front plaque. IP54 water and dust protection.	
DPF ME **60090530**	**Anodized aluminum front plaque, Metal finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP/0 button panel.	
DPF RS **60090560**	**Anodized aluminum front plaque, Dark Red RAL 3011 finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	
DPF BL **60090570**	**Anodized aluminum front plaque, Ocean Blue RAL 5020 finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	
DPF BI **60090580**	**Anodized aluminum front plaque, White finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP/0 button panel.	
DPF VD **60090590**	**Anodized aluminum front plaque, Turquoise Mint RAL 6033 finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	
DPF AR **60090610**	**Anodized aluminum front plaque, Orange Yellow RAL 2000 finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	

THE COMPLETE RANGE

Code	Description	
Accessories		
DPF NL **60090620**	**Anodized aluminum front plaque, Deep Black RAL 9005 glossy finish.** It comes with techno-polymer brace. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	
DSM **60090630**	**Steel recess-mounting box for entry panels of the Thangram series.** Galvazied steel recess-mounting box wit pre-punched holes for passing the cables. To finish off the installation with the DCI or DCI ME frame. Can be used with any entry panel of the Thangram series or extra DP0 button panel.	
DCI **61800010**	**Frame for recess-mounting entry panels of the Thangram series; Greyhound finish.** Satin chrome plated plastic frame; Greyhound finish. To use with the DSI recess-mounting box and with any entry panel of the Thangram series; with Greyhound finish and extra DP0 button panel.	
DCI ME **61800020**	**Frame for recess-mounting entry panels of the Thangram series; Metal finish.** Satin chrome plated plastic frame; Metal finish. To use with the DSI recess-mounting box and with any entry panel of the Thangram series; with Metal finish and extra DP0 button panel.	
DPS **61800030**	**Single button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 53x13 mm.	
DPH **61800040**	**Double height single button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 53x33 mm.	
DPD **61800050**	**Double overhang button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 25x13 mm.	
DTS **61800060**	**Single cap; Greyhound finish.** Techno-polymer cap. To use with any entry panel of the Thangram series; with Greyhound finish and extra DP0 button panel.	
DTS ME **61800070**	**Single cap; Metal finish.** Techno-polymer cap plated in Metal satin chrome. To use with any entry panel of the Thangram series; with Metal finish and extra DP0 button panel.	
DTH **61800080**	**Double-height cap; Greyhound finish.** Techno-polymer cap. To use with any entry panel of the Thangram series; with Greyhound finish and extra DP0 button panel.	

THE COMPLETE RANGE

Code	Description	
Accessories		
DTH ME 61800090	**Double-height cap; Metal finish.** Techno-polymer cap plated in Metal satin chrome. To use with any entry panel of the Thangram series; with Metal finish and extra DP0 button panel.	
DRFID 61800290	**RFID reader module for proximity cards to use with entry panels of the Thangram series.** With antenna and decoding circuit and Mifare technology (13.56 MHz). It is fitted onto the entry panel (it takes up 2 single buttons). For use with any Thangram series intercom entry panel system and video intercom entry panel system (not applicable to the DP0 additional push-button panel).	
DNA 61800320	**Keypad module for digital call and access control to use with entry panels of the Thangram series. Greyhound finish.** Keypad module with 12 PC/ABS techno-polymer buttons. Key 0 to 9 for entering the code and 2 other keys for the main functions: activate call and confirm access code. It is fitted onto the entry panel (it takes up 3 single buttons). For use with any intercom and video intercom entry panel of the Thangram series; with Greyhound finish. The extra DP0 button panel does not apply.	
DNA ME 61800360	**Keypad module for digital call and access control to use with entry panels of the Thangram series. Metal finish.** 12-button keypad module made of PC/ABS techno-polymer with Metal satin chrome plating. Key 0 to 9 for entering the code and 2 other keys for the main functions: activate call and confirm access code. It is fitted onto the entry panel (it takes up 3 single buttons). To use with any intercom and video intercom entry panel of the Thangram series; with Metal finish. The extra DP0 button panel does not apply.	
DTP 61800390	**Rain flap for installing on wall onto entry panels of the Thangram series.** Painted steel sheeting rain flap. To use with any entry panel of the Thangram series or with the extra DP0 button panel.	
DMI 61800440	**Information module for generic alerts.** Basic set with transparent polycarbonate anti-UV outer cover. Can be used with any entry panel of the Thangram series or extra DP0 button panel. Cannot be used as a call button. Information tag dimensions: 53x33 mm.	
DBAD10 61800460	**Proximity card with Mifare technology.** To use for interacting with RFID readers. The package contains 10 pieces.	
DTAG5 61800470	**Keyfob proximity device with Mifare technology.** To use for interacting with RFID readers. The package contains 5 pieces.	
DCOMBO 61800760	**Keypad module for digital calls and access control with RFID reader and built-in display. To use with entry panels of the Thangram series.** Keypad module with soft touch buttons, integrated LCD display and proximity key reader. It is installed in the entry panel and occupies the space of 4 single keys. It is for searching for users in the address book and for enabling access control via a numeric code or proximity key. It allows you to store up to 1250 names in the address book. For use with any Thangram series intercom entry panel system and video intercom entry panel system (not applicable to the DP0 additional push-button panel).	

LITHOS

Monolithic residential intercom entry panel

IP 54

Water and dust protection

Recess mounted
7 mm thick

Wall mounted
30 mm thick

Supplied with wall bracket, it can also be recess-mounted thanks to the optional box and frame.

LITHOS is the intercom entry panel dedicated to small residential environments, characterized by its monolithic design and brushed stainless steel AISI 316L finish.

The call module can accommodate from 1 to 4 buttons with blue backlight and name tag.

Programming can be performed either directly on the device or via software.

MAIN FUNCTIONS

- Intercom function
- Microphone and speaker volume adjustment
- Electric lock activation time adjustment

THE COMPLETE RANGE

Code	Description

Intercom entry panels for X1 systems

LC/01
60090650

Monolithic intercom entry panel for X1 system; expandable to 4 calls.
AISI 316 brushed stainless steel finish. Adjusts the sound of the microphone, the speaker and the activation time of the electric lock. Backlighting of the blue name-tag keys. Programming can be done manually or via software. IP54 water and dust protection.

LC/01
60090650

PLUS

- 1 to 4 backlit call buttons
- AISI 316L brushed stainless steel finish
- Water and dust protection IP54

TECHNICAL CHARACTERISTICS

MODELS	LC/01
Dimensions (mm)	99 x 207 x 30
Power supply (V)	16 ÷ 18 DC
Consumption in stand-by mode (mA)	75
Max. absorption (mA)	120
Operating temperature (°C)	-25 ÷ +50
Protection rating (IP)	54
Video standard	-
Color	Brushed stainless steel

THE COMPLETE RANGE

Code	Description	
Accessories		
DPS **61800030**	**Single button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 53x13 mm.	
DPH **61800040**	**Double height single button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 53x33 mm.	
DPD **61800050**	**Double overhang button with name tag.** Basic set with transparent polycarbonate anti-UV outer cover. Size of the name tag 25x13 mm.	
LTP **61800410**	**Rain flap for installing on wall onto entry panels of the Lithos series.** Painted, steel-laminate rain flap to fit on intercom and video intercom entry panels of the Lithos series.	
LCI **61800420**	**Frame for recess-mounting entry panels of the Lithos series.** Frame made of PC/ABS techno-polymer - gray. To be used with the LSI recess-mounting box for intercom and video intercom entry panels of the Lithos series.	
LSI **60090640**	**Recess-mounting box for fitting entry panels of the Lithos series.** Plastic recess-mounting box with pre-punched holes for passing cables. Fit the LCI frame to finish off the installation.	

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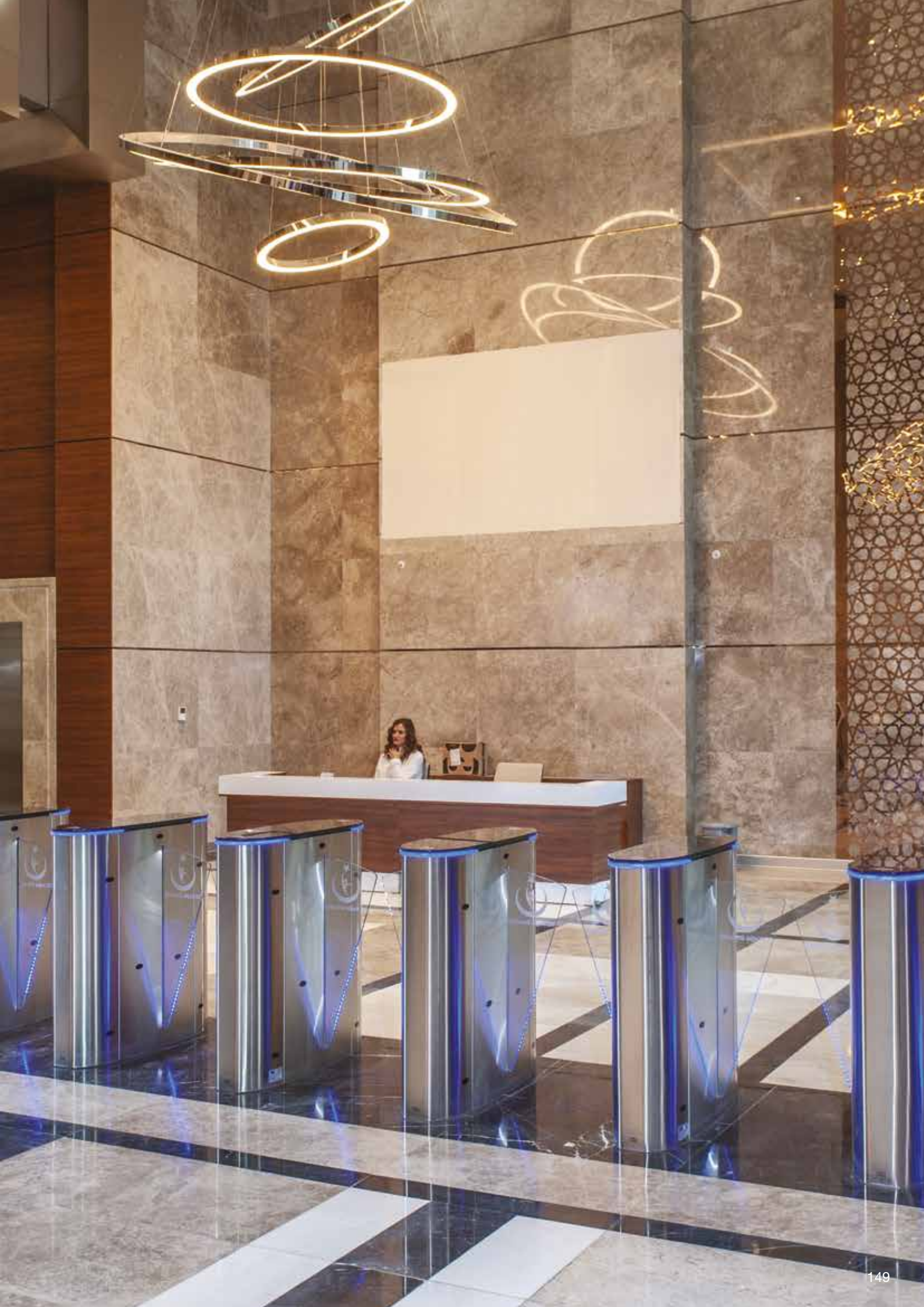

SOLUTIONS FOR RECEPTIONS AND CONCIERGES

152 MITHO SB
156 XIP PORTER

MITHO SB

Touch-screen porter switchboard

4,3"

4.3" display

Handsfree audio

Handset

MITHO is the handset and hands-free porter switchboard with steel desk stand, which allows to detect incoming calls and then transfer them to users.

The 4.3˝ LCD touch screen monitor with stylus for navigation allows you to zoom in on the conversation image in addition to adjusting the brightness of the image.

It includes all porter functions such as sending callback notifications to extensions, lists of received and missed calls, as

In turn, the internal receivers can call the switchboard through the dedicated button.

MAIN FUNCTIONS

- Equipped with hands-free and handset
- Video answering service
- Callback notification sending to extensions
- Management of alarm and panic messages from the extensions
- Wake-up and timer function for setting the intercept time bands
- Local power supply (14÷24 V DC o 12÷16 V AC).

For the configuration of the plant it is necessary to use the PCS/XIP software that allows to load the list of all the users connected to the system.

THE COMPLETE RANGE

Code	Description

Porter switchboards for X1 and XIP systems

MITHO SB NF
62940020

Concierge handset and handsfree switchboard with 4.3" touch-screen display - black. With desktop stand.
Specific handset monitor and handsfree for the porter function. 4.3" touch-screen display and browsing pen. It can activate all the porter functions including intercepting and forwarding calls, sending alerts and handling emergency calls. For activating the answering service when you are away and the image zoom during the conversation. Needs local power supply of 14 to 24 V DC or 12 to 16 V AC. A steel desktop stand is included. Compatible with the X1 and XIP systems.

MITHO SB NF
62940020

PLUS

- Hands-free and handset audio
- 4.3” touch-screen display with browser pen
- Image zooming during conversation
- Screen contrast and brightness adjustment
- Program melodies depending on the type of call

TECHNICAL CHARACTERISTICS

MODELS	MITHO SB NF
Dimensions (mm)	203 x 108 x 31
Power supply by BUS (V)	14 ÷ 24 DC
Absorption by BUS (mA)	310
Local power supply (V)	12 ÷ 16 AC
Local absorption (mA)	750
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Video standard	PAL/NTSC
Display	4.3” touch screen
Color	Black

Notes

XIP PORTER

Porter software

For the construction of the porter switchboard it is necessary to install the ETI/SER XIP server.

The porter switchboard can also be managed using a PC equipped with XIP/Porter software, the platform developed for residential compounds, even large ones.

It includes all porter functions such as intercepting and forwarding incoming calls, lists of received and missed calls, as well as handling alarm and panic messages from extensions.

It allows to display the devices of the system with the icon that identifies their status (free, busy, etc.), as well as advanced functions such as:

- FAVORITES: list of the most frequently called devices.

- SYSTEM: list that includes all the devices in the system.

- DOOR PANELS AND CAMERAS: structure with all the door panels and cameras in the system.

- SEARCH: for quick device selection.

- AUXILIARY CONTROLS.

MAIN FUNCTIONS

- Management of two communication channels
- Turning on lights or various activations
- Auto-entry of external units and monitoring of video surveillance system cameras
- Sending of callback notifications to compatible X1 extensions
- Sending of text messages to IP360-compatible internal units
- Interception of calls from external unit
- Transfer of the call from the entry panel to the user

Notes

DISCOVER THE SOLUTIONS FOR AUTOMATION

RESIDENTIAL AUTOMATION

Solutions for sliding gates, swing gates and garage doors

INDUSTRIAL AUTOMATION

Solutions for large gates and folding, sliding or sectional doors

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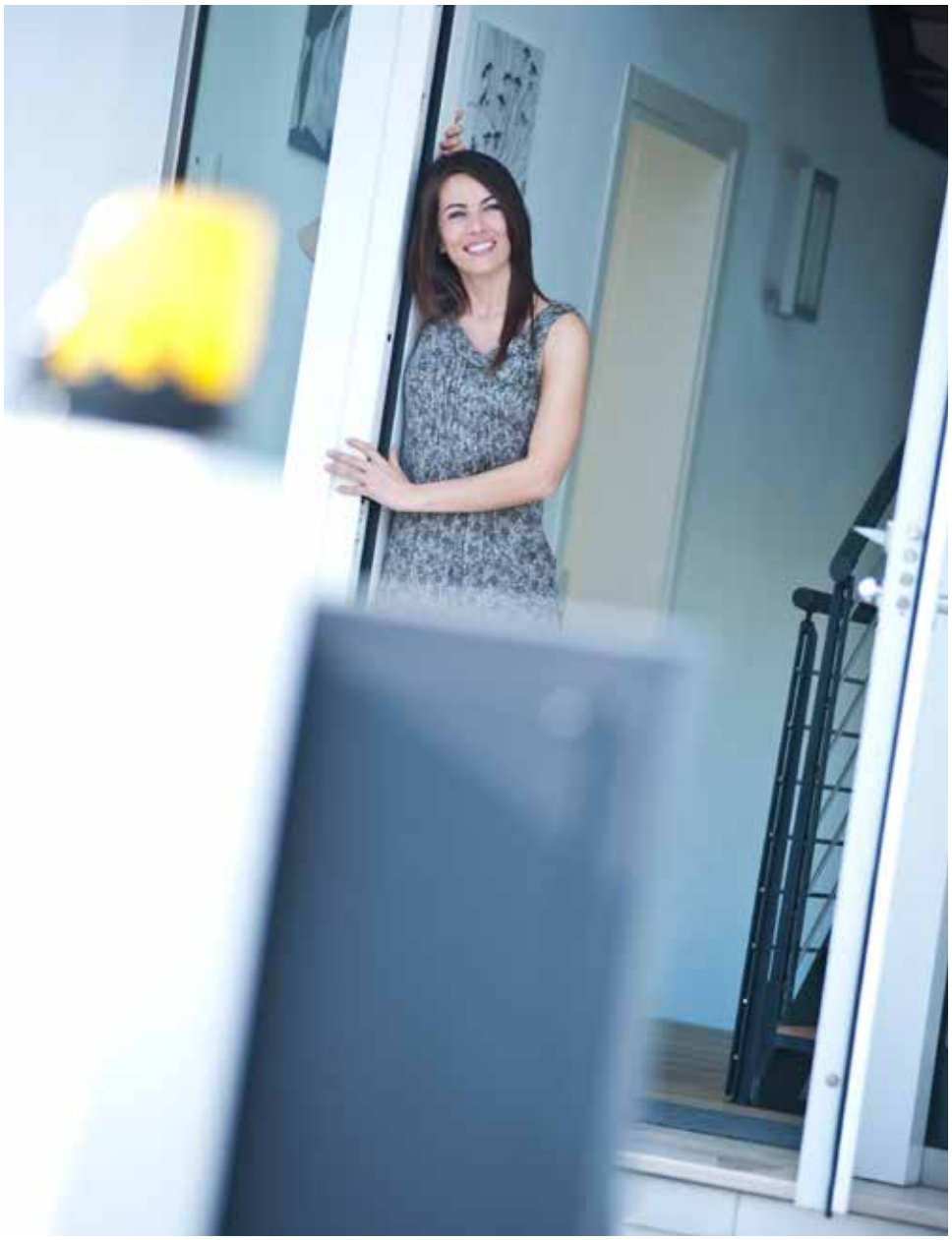
Solutions for different settings, from small residential areas to large parking lots



ACCESSORIES

All accessories for an efficient automation, perfectly compliant with current regulations

CAME

SYSTEM COMPLEMENTS

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166 SYSTEM DEVICES

MODULES

Code	Description

Audio modules for X1 systems

DMC/01
60090660

Intercom module for X1 system to be used with either VR or customized plaques.
Module compatible for installing on VR plaques. For connecting up to 4 call buttons via the supplied connector and remotely controlling the microphone. It has a connector for connecting a general keypad for access control. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. The front is equipped with LEDs for visual indication of the system status. It allows to adjust the sound of the microphone, the speaker and the activation time of the electric lock. Up to 11, VZS/308 call modules can be additionally cascaded.

Audio modules for XIP systems

DMC/08
60090670

Intercom module for XIP system to be used with either VR or customized plaques.
Module compatible for installing on VR plaques. For connecting up to 4 call buttons via the supplied connector and remotely controlling the microphone. It has a connector for connecting a general keypad for access control. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. The front is equipped with LEDs for visual indication of the system status. It allows to adjust the sound of the microphone, the speaker and the activation time of the electric lock. Up to 11, VZS/308 call modules can be additionally cascaded.

Video modules for X1 systems

DMVC/01
62020080

Video intercom module for X1 systems; use with VR or custom plaques.
Module compatible for installing on VR plaques. With NTSC/PAL camera sensor, 680x512 resolution and built-in microprocessor for digital signal processing. Wide-eye lens with 94° horizontal and 77° vertical aperture and digital zoom adjustment. For connecting up to 4 call buttons via the supplied connector and remotely controlling the microphone. It has a connector for connecting a general keypad for access control. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and one output for activating external cameras. The front is equipped with LEDs for visual indication of the system status. It allows to adjust the sound of the microphone, the speaker and the activation time of the electric lock. Up to 11, VZS/308 call modules can be additionally cascaded.

Video modules for XIP systems

DMVC/08
62020090

Video intercom module for XIP systems; To use with VR or custom plaques.
Module compatible for installing on VR plaques. Equipped with NTSC/PAL camera sensor with 680x512 resolution and integrated microprocessor for digital signal processing. “Wide eye” optic with 94° aperture horizontally and 77° vertically and digital zoom adjustment. For connecting up to 4 call buttons via the supplied connector and remotely controlling the microphone.
It has a connector for connecting a general keypad for access control. Equipped with local control for electric lock, inputs for door-opener button and for signaling the door status, and, one output for activating external cameras. The front is equipped with LEDs for visual indication of the system status. It allows adjustment of the microphone and speaker sound, and the electric lock activation time. Up to 11, VZS/308 call modules can be additionally cascaded.

Accessories

DMRFID
61800490

RFID access-control module for X1 and XIP systems; To use with VR or custom plaques.
With antenna and decoding circuit and Mifare 13.56 MHz technology. Module to be connected with the corresponding connector to an intercom or video intercom for X1 or XIP systems.

VR PLAQUES

Code	Description	
Video plaques		
VRVX/1 **62020190**	**Vandal-proof video intercom plaque with 1 call button.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With steel recess-mounting box. To work with an entry panel, it must be paired with a video intercom module. IP54 water and dust protection.	
VRVX/2 **62020210**	**Vandal-proof video intercom plaque with 2 call buttons.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With steel recess-mounting box. To work with an entry panel, it must be paired with a video intercom module. IP54 water and dust protection.	
VRVX/4 **62020220**	**Vandal-proof video intercom plaque with 4 call buttons.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With steel recess-mounting box. To work with an entry panel, it must be paired with a video intercom module. Water and dust protection IP54	
VRVX/6 **62020230**	**Vandal-proof video intercom plaque with 6 call buttons.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With steel recess-mounting box. To work with an entry panel, it must be paired with a video intercom module. IP54 water and dust protection.	
VRVKX/1 **62020240**	**Vandal-proof video intercom plaque with 1 call button and keypad for access control.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With keyboard to manage up to 1000 access codes and provide control of 3 openings via as many relay switches. It comes with steel box for recess-mounting. To work with an entry panel, it must be paired with a video intercom module. IP54 water and dust protection.	
VRVKX/2 **62020250**	**Vandal-proof video intercom plaque with 2 call buttons and keypad for access control.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With keyboard to manage up to 1000 access codes and provide control of 3 openings via as many relay switches. It comes with steel box for recess-mounting. To work with an entry panel, it must be paired with a video intercom module. IP54 water and dust protection.	
VRVX/DIGI **62020260**	**Vandal-proof video intercom plaque with keypad for digital calls and access control.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With digital keypad for system accessing and digital calling by entering a user code. With steel recess-mounting box. To work with an entry panel, it must be paired with a video intercom module. IP54 water and dust protection.	
VRVX/DIGI-P **62020270**	**Vandal-proof video intercom plaque with 1 call button and keypad for digital calls and access control.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With 1 porter-call button for calling and digital keypad for system accessing and digital calling by entering a user code. With steel recess-mounting box. To work with an entry panel, it must be paired with a video intercom module. IP54 water and dust protection.	
BPVX/1 **62020330**	**Size 1 brass vandal-proof plaque with 1 call button.** Brass plaque, with security screws and shock-resistant buttons. With steel recess-mounting box. To work with an entry panel, it must be paired with a video intercom module. IP54 water and dust protection.	

VR PLAQUES

Code	Description	
Audio plates		
VRAX/1 **60090770**	**Anti-vandalism entry phone plate with 1 call button.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With steel recess-mounting box. To work with an entry panel, it must be paired with an intercom module. IP54 water and dust protection.	
VRAX/2 **60090780**	**Vandal-proof intercom plaque with 2 call buttons.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With steel recess-mounting box. To work with an entry panel, it must be paired with an intercom module. IP54 water and dust protection.	
VRAX/4 **60090790**	**Vandal-proof intercom plaque with 4 call buttons.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With steel recess-mounting box. To work with an entry panel, it must be paired with an intercom module. IP54 water and dust protection.	
VRAKX/1 **60090810**	**Vandal-proof intercom plaque with 1 call button and keypad for access control.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With keyboard to manage up to 1000 access codes and provide control of 3 openings via as many relay switches. It comes with steel box for recess-mounting. To work with an entry panel is must be paired with an intercom module. IP54 water and dust protection.	
VRAKX/2 **60090820**	**Vandal-proof intercom plaque with 2 call buttons and keypad for access control.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With keyboard to manage up to 1000 access codes and provide control of 3 openings via as many relay switches. It comes with steel box for recess-mounting. To work with an entry panel is must be paired with an intercom module. IP54 water and dust protection.	
VRAX/DIGI **60090830**	**Vandal-proof intercom plaque with keypad for digital calls and access control.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With digital keypad for system accessing and digital calling by entering a user code. With steel recess-mounting box. To work with an entry panel is must be paired with an intercom module. IP54 water and dust protection.	
VRAX/DIGI-P **60090840**	**Vandal-proof intercom plaque with 1 call button and keypad for digital calls and access control.** Brushed stainless steel plaque, with security screws and shock-proof buttons. With 1 porter-call button for calling and digital keypad for system accessing and digital calling by entering a user code. With steel recess-mounting box. To work with an entry panel is must be paired with an intercom module. IP54 water and dust protection.	
BPAX/1 **60090890**	**Brass vandal-proof video intercom plaque with 1 call button.** Brass plaque, with security screws and shock-resistant buttons. With steel recess-mounting box. To work with an entry panel is must be paired with an intercom module. IP54 water and dust protection.	

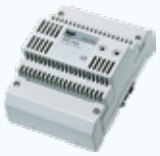
ACCESSORIES FOR VR PLATES

Code	Description	
Accessories for plates		
VRSH/1 **60090850**	**Steel wall-hung box for size 1 VR plaques.** Steel wall-hung box with VR plaques.	
VRSH/2 **60090860**	**Steel wall-hung box for size 2 VR plaques.** Steel wall-hung box with VR plaques.	
BPSH/1 **60090910**	**Steel wall-hung box for size 1 brass VR plaques.** Steel wall-hung box for brass VR plaques.	

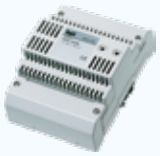
SYSTEM DEVICES

Code	Description	
Power supply units for X1 systems		
VA/01 **62700030**	**18 V DC - 1100 mA power supply unit for Z1 video entry phone systems.** Plastic casing for installing on switchboards (EN50022) and size 12 low DIN modules. Control board for managing 18 V DC - 1100 mA max., video intercom entry panels and for managing the main 20 V DC - 800 mA max., video intercom. It has electronic, overload or short circuit protection. Equipped with terminals for managing the main bus line and terminals for connecting, over bus line, 3 video intercom entry panels. Built-in intercom selector. Open collector outputs for auxiliary functions (AUX1 and AUX2). Manual or PC programming via MINI USB connector. Entry jumper for programming the access control devices. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating.	
A/01 **61400010**	**Power supply for X1 18 V DC - 1100 mA intercom systems.** Plastic casing for installing on switchboards (EN50022) and size 12 low DIN modules. Control board for managing entry panels (18 V DC - 1100 mA max) and for managing the main intercom (20 V DC - 800 mA max) with electronic overload or short-circuit protection. With terminals for managing the main bus and terminals connecting the bus line for 3 intercom entry panels. Built-in intercom selector. Open collector outputs for auxiliary functions (AUX1 and AUX2). Manual or PC programming via MINI USB connector. Entry jumper for programming the access control devices. Use this power supply unit only with intercom systems. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating.	
Power supply unit for 200 systems		
A/200R **61404600**	**Main intercom power supply, 230V, 15VA.** Plastic casing for installing in EN50022 control panels and size 4 low DIN modules. Equipped with 2 two-tone call notes for two entry panels (or for additional call, e.g. from the landing) and power supply/control for electric lock (12 V AC, 1 A) by means of a relay inside the device driven by a timer. Equipped with a transformer whose power guarantees the power supply to the entry panel, it is electronically protected against overloads or short circuits. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating.	
A/200N **61404810**	**Main intercom power supply, 230V, 15VA.** Plastic casing for installing in EN50022 control panels and size 4 low DIN modules. Equipped with 2 two-tone call notes for two entry panels (or for additional call, e.g. from the landing) and power supply/control for electric lock (12 V AC, 1 A) by means of a relay inside the device driven by a timer. Equipped with a transformer whose power guarantees the power supply to the entry panel, it is electronically protected against overloads or short circuits. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating.	
Power drivers for XIP systems		
VA/08 **62700020**	**Power drivers for 18 V DC - 1100 mA XIP video intercom systems.** Plastic casing for installing in EN50022 control panels and size 12 low DIN modules. Control board for controlling 18 V DC - 1100 mA max. entry panels, and for controlling 20 V DC - 800 mA max. main video intercom, with electronic overload and short-circuit protection. Equipped with terminals for managing the main bus line and terminals for connecting audio/video/bus, for 4 entry panels. Open collector outputs for auxiliary functions (AUX1 and AUX2). Serial connector for connecting to the ETI/XIP gateway. Manual or PC programming via MINI USB connector. Entry jumper for programming the access control devices. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating.	
Repeaters		
XAS/301.01 **62704701**	**Power supply/repeater for 20 V DC - 800 mA audio, video and data signals.** Plastic container for installing in EN50022 electrical panels, and eight-DIN low modules. Control board for directly supplying 20 V DC - 800 mA max. indoor receivers, with electronic overload and short-circuit protection. Equipped with terminals for IN/OUT connection from the riser column, 7 switches for signal compensation according to distances, 1 switch to allow the firmware update of the device to be carried out through the MINI USB connector and 1 button for resetting the device. Equipped with potentiometers for compensating audio volumes to and from the indoor receiver. 2 LEDs for checking the connection and data transfer. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating.	

SYSTEM DEVICES

Code	Description	
Additional power drivers		
VAS/101 62700011	**18 V DC - 1000 mA additional power-supply unit.** Plastic container for installing in EN50022 electrical panels, and four-DIN low modules. Full control board for powering, 18 V DC - 1000 mA max., entry panels and indoor receivers, protected from overloads or short circuits. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating.	
VAS/100MH 67000701	**18 V DC - 350 mA additional power-supply unit.** Plastic casing for installing in EN50022 control panels and size 3 low DIN modules. Complete control board for power supply (18 V DC - 350 mA max) receivers, with electronic overload and short-circuit protection. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating.	
VAS/100.30 62703310	**Supplementary 17.5 V DC - 1700 mA power supply unit.** Plastic container for installing in EN50022 electrical panels, and eight-DIN low modules. Full control board for powering, 17.5 V DC - 1700 mA max., entry panels and indoor receivers, protected from overloads and short circuits. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating.	
X1 video distributors		
XDV/304 62821300	**4-output video distributor for signal distribution.** Miniaturised container for installation in junction boxes or electrical panels (EN50022) and size 1 low DIN module. Furnished with 4 video output to internal branches and 4 terminals for IN/OUT connection from the riser. Each output (excluding the first) has 1 jumper for closing the line impedance. Does not require power supply. IP30 water and dust protection rating.	
XDV/304A 62825800	**4-output amplified video distributor for signal distribution.** Plastic container for installation in electrical panels (EN50022) and size 6 low DIN modules. Furnished with 4 video output to internal branches, 3 power outputs (14-18 V DC) and 4 terminals for IN/OUT connection from the riser. Each output has 1 jumper for closing the line impedance. Requires 14-18 V DC - 60 mA max. power supply IP30 water and dust protection rating.	
X1 video distributors		
XDV/303 62822600	**Balanced signal distributor to distribute or concentrate video transmission lines on XIP systems.** Plastic container for installation in electrical panels (EN50022) and size 8 low DIN modules. It is furnished with 4 inputs/outputs that can be configured using jumpers. Furnished with 3 switches for the video signal compensation and another 3 switches for choosing the system configuration. Requires 14-18 V DC – 300mA max. Power supply IP30 water and dust protection rating.	
Selectors for intercoms		
VSE/301.01 62747401	**Intercom selector for X1 systems.** Plastic container for installation in electrical panels (EN50022) and size 6 low DIN modules. It enables the creation of a group of internal intercom branches maintaining the connection with the main riser and is able to provide power on the bus to the internal branches (20 V DC - 800 mA max). Furnished with 4 terminals for IN/OUT connection of the rise and 1 button to enter programming and to reset the data in the memory. 230 V AC 50/60 Hz power supply from electrical grid. IP30 water and dust protection rating.	
Video selectors for X1 systems		
VSC/01 62740060	**CCTV analogue cameras cyclical connector for X1 systems.** Miniaturized container for installation in junction boxes or electric panels (EN50022) and size 1 low DIN module. Furnished with 4 inputs for video signals from 4 standard cameras (CCIR/EIA or PAL/NTSC) and 3 dip-switches for programming the number of connected cameras. Furnished with 4 LEDs for the indication of connected cameras and 1 LED for checking the programming status. Requires 12-18 V DC – 100 mA max. power supply.	

SYSTEM DEVICES

Code	Description	
Video selectors for XIP systems		
VSC/08 **62740020**	**CCTV analogue cameras cyclical connector for X1 systems.** Miniaturized container for installation in junction boxes or electric panels (EN50022) and size 1 low DIN module. Furnished with 4 inputs for video signals from 4 standard cameras (CCIR/EIA or PAL/NTSC), 2 dip-switches for programming the number of connected cameras and 3 dip-switches for line impedance management. Furnished with 4 LEDs for the indication of connected cameras, 1 LED for checking the programming status and 1 LED to indicate data transmission. Requires 12-18 V DC – 90 mA max. external power supply.	
Video amplifiers		
XDV/300A **62822000**	**Video signal amplifier.** Miniaturized container for installation in junction boxes or electric panels (EN50022) and size 1 low DIN module. Furnished with IN/OUT terminals for video signal and 2 switches for signal compensation based on the connection mode. To be used on the main riser after 10 XDV/304 or on a branch of an XDV/304 for the connection of additional video distributors in cascade. Does not require power supply.	
XDV/304A **62825800**	**4-output amplified video distributor for signal distribution.** Plastic container for installation in electrical panels (EN50022) and size 6 low DIN modules. Furnished with 4 video output to internal branches, 3 power outputs (14-18 V DC) and 4 terminals for IN/OUT connection from the riser. Each output has 1 jumper for closing the line impedance. Requires 14-18 V DC - 60 mA max. power supply IP30 water and dust protection rating.	
Repeaters		
RIR/08 **62800330**	**Data line repeater for XIP system.** Miniaturized container for installation in junction boxes or electric panels (EN50022) and size 1 low DIN module. Furnished with 4 dip-switches for line impedance management. Requires 12÷18 V DC – 65 mA max. power supply.	
Relay unit		
VLS/101M **62800580**	**Relay unit for auxiliary services.** Servo-relay for auxiliary services such as staircase lighting, sirens, openings etc. made in miniaturized container for installation in electrical panels (EN50022) and size 1 low DIN module. The relay is fitted with pulse-type switching contacts (breaking power 5 A resistive – 2 A inductive, max. voltage 250 V AC) and can be controlled in direct or alternating current from 10 V to 24 V, or by low-level electrical signals from the system. Requires 10-24 V DC – 40 mA max. power supply	
VLS/300 **62825400**	**2-relay unit for auxiliary services.** Servo-relay for auxiliary services such as staircase lighting, sirens, openings etc. made in plastic containers for installation in electrical panels (EN50022) and size 4 low DIN module. The unit has 2 relays with switching contact with a breaking power of 2 A resistive (1 A inductive) and max. voltage 250 V AC. The 2 relays are by default associated with the door open commands and AUX 2. It is furnished with 6 dip-switches for programming the device, 1 potentiometer for the adjustment of the activation time of relay 1 (door open) and 1 LED indicating the data reception status from the bus line. Requires 12-14 V AC or 14-18 DC – 50 mA max. power supply IP30 water and dust protection rating.	
VLS/2 **62800470**	**2-relay unit for auxiliary services.** Servo-relay for auxiliary services such as staircase lighting, sirens, openings etc. made in miniaturized container for installation in electrical panels (EN50022) and size 1 low DIN module. The unit has 2 relays with switching contact with a breaking power of 5 A resistive (2 A inductive) and max. voltage 250 V AC. The 2 relays are by default associated with the door open commands and AUX 2. It is furnished with 8 dip-switches for programming (manually or from the PC) the device, 1 potentiometer for the adjustment of the activation time of relay 1 (door open) and 1 LED to check the programming and data transmission status. It does not require power supply.	

SYSTEM DEVICES

Code	Description	
Relay units for XIP systems		
VLS/3 **62800290**	**3-relay unit for auxiliary services for XIP system.** Servo-relay for auxiliary services such as staircase lighting, sirens, openings etc. made in miniaturized container for installation in electrical panels (EN50022) and size 4 low DIN module. The unit has 3 relays with switching contact with a breaking power of 10 A resistive (2 A inductive) and max. voltage 250 V AC. The 3 relays are associated by default with the door open commands and AUX2, 5 LEDs for checking the operating status, the programming and data transmission status. Programming from PC. It requires 11-18 V DC – 200 mA max. power supply.	
Cables		
VCM/1D **62828000**	**Package with 100 m twisted pair cable with 1 mm² cross-section, CPR Eca class.** Cable with insulating external PVC sheath with 7 mm, yellow colour RAL 1021. Wires winding 10 coils/m. Tinned copper wires in white colour RAL 9001 and blue RAL 5015. Nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 80 mm. It complies with latest edition of CEI 46-6 regulations.	
VCM/1D/500 **62828100**	**Package with 500 m double-twisted cable with 1 mm² cross-section, CPR Eca class.** Cable with insulating external PVC sheath with 7 mm, yellow colour RAL 1021. Wires winding 10 coils/m. Tinned copper wires in white colour RAL 9001 and blue RAL 5015. Nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 80 mm. It complies with latest edition of CEI 46-6 regulations.	
VCM/2D **62823300**	**Package with 100 m double-twisted cable with 1 mm² cross-section and 2 wires with 1 mm2 cross-section, CPR Eca class.** Cable with external insulating PVC sheath with 8 mm diameter, yellow colour RAL 1021. Twisted pair with helix stranding at 70 mm steps. Tinned copper wires. White/blue and blue for twisted pair, red and green for power wires. Twisted pair nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 80 mm. It complies with the latest edition of the CEI 46-6 regulations, latest edition of CEI 20-11, CEI 20-37 regulations.	
VCM/2D/500 **62823400**	**Package with 500 m double-twisted cable with 0.28 mm² cross-section and 2 wires with 1 mm2 cross-section, CPR Eca class.** Cable with external insulating PVC sheath with 8 mm diameter, yellow colour RAL 1021. Twisted pair with helix stranding at 70 mm steps. Tinned copper wires. White/blue and blue for twisted pair, red and green for power wires. Twisted pair nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 80 mm. It complies with the latest edition of the CEI 46-6 regulations, latest edition of CEI 20-11, CEI 20-37 regulations.	
VCM/4D **62823600**	**Package with 150 m of cable with 3 twisted pairs with 0.28 mm² cross-section and 2 wires with 1.5 mm2 cross-section, CPR Eca class.** Cable with external insulating PVC sheath with 11 mm diameter, yellow colour RAL 1021. Twisted pair with helix stranding at 70 mm steps. Tinned copper wires. Twisted pair colours in blue/blue-white, brown/brown-white, orange/orange-white and red and green for power wires. Twisted pair nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 150 mm. It complies with the latest edition of the CEI 46-6 regulations/latest edition of CEI 20-11/CEI 20-37.	
VCM/4D/500 **62823700**	**Package with 500 m of cable with 3 twisted pairs with 0.28 mm² cross-section and 2 wires with 1.5 mm2 cross-section, CPR Eca class.** Cable with external insulating PVC sheath with 11 mm diameter, yellow colour RAL 1021. Twisted pair with helix stranding at 70 mm steps. Tinned copper wires. Twisted pair colours in blue/blue-white, brown/brown-white, orange/orange-white and red and green for power wires. Twisted pair nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 150 mm. It complies with the latest edition of the CEI 46-6 regulations/latest edition of CEI 20-11/CEI 20-37.	

SYSTEM DEVICES

Code	Description

Software

PCS/XIP
62800310

Programming software for X1, XIP and IP360 system.
Software compatible with the operating systems Microsoft Windows 7, Windows 8.1 or Windows 10 or higher. Includes USB cable (4 m), 2 GB PEN DRIVE and instruction manual. System requirements: Intel® Core 2 processor or AMD Athlon®; 1.5 GHz or higher, 2 GB of RAM, minimum hard disk space 40 MB.

Porter switchboard licences

PCS/PORTER
62800320

Porter switchboard licences.
Required for the activation of 1 porter station on PC. To be used with the XIP/PORTER software. The software, compatible with all the PCs furnished with the Windows operating system, enables the total supervision of the video entry phone system, including for large residential complexes. On the main screen, the devices are displayed with different views to aid searches: complete system, favourites, plates and cameras. The status of each device is easily identifiable by means of coloured icons (free, busy etc…). It enables the interception of calls from external units, forwarding to the internal units, door opening or turning lights on or various activations, the monitoring of the video surveillance system.

Soft Receiver Licenses

LIC/SR001
62880050

Packet with single licence for 1 PC station.
Enables the use of the Soft Receiver software.

LIC/SR010
62880060

Packet with licences for 10 PC stations.
Enables the use of the Soft Receiver software.

LIC/SR050
62880070

Packet with licences for 50 PC stations.
Enables the use of the Soft Receiver software.

LIC/SR100
62880080

Packet with licences for 100 PC stations.
Enables the use of the Soft Receiver software.

Licenses for third-party devices

LIC/GST001
62880010

License for 1 third-party device.
Enables the interfacing of the device with the XIP or IP360 system.

LIC/GST010
62880020

Packet with licences for 10 third-party devices.
It allows interfacing devices to XIP or IP360 systems.

LIC/GST050
62880030

Packet with licences for 50 third-party devices.
It allows interfacing devices to XIP or IP360 systems.

LIC/GST100
62880040

Packet with licences for 100 third-party devices.
It allows interfacing devices to XIP or IP360 systems.

SYSTEM DEVICES

Code	Description
Licenses for mobile devices	
LIC/APP001 **62880090**	**License for 1 mobile device.** It allows using the video-intercom App on iOS and Android devices.
LIC/APP010 **62880100**	**Packet with licences for 10 stations.** It allows using the video-intercom App on iOS and Android devices.
LIC/APP050 **62880110**	**Packet with licences for 50 stations.** It allows using the video-intercom App on iOS and Android devices.
LIC/APP100 **62880120**	**Packet with licences for 100 stations.** It allows using the video-intercom App on iOS and Android devices.
Server	
ETI/SER XIP V3 **62740121**	**Server for XIP system and IP360.** Metal container with heat sink. It centralizes all the system's video entry phone functions, the management of the porter service and the access control functions. It enables the use of porter software, branches on PC Soft-Receiver, video entry phone App and third-party devices. It is furnished with 1 RJ45 port for Ethernet 10/100/1000 BaseT networks, with 2 USB 3.0 ports for maintenance operations. The server includes 1 licence that can be used for Porter or Soft-Receiver. Supports the SIP protocol and manages up to 18 simultaneous A/V communications. 12 V DC power supply/transformer included.
ETI/MINISER XIP **62740110**	**Mini-server for XIP system and IP360.** Plastic container for installation in electrical panels (EN50022) and size 6 low DIN modules. It centralises all the system's video entry phone functions and the access control functions. It enables the use of video entry phone Apps and third-party devices (6 configurable licences already included). It is equipped with 2 RJ45 ports for Ethernet 10/100 Mb networks, which can be configured in "switch" or "dual-network" modes (enables the separation between the condominium's LAN and the apartment's LAN) and 1 USB port for exporting events logs. Supports the SIP protocol and manages up to 10 simultaneous A/V communications. Requires 12-24 V DC – 285 mA max. power supply IP30 water and dust protection rating.

SYSTEM DEVICES

Code	Description	
Network interfaces		
ETI/XIP **62740030**	**LAN network interface for XIP system.** Plastic container for installation in electrical panels (EN50022) and size 8 low DIN modules. It enables the creation of video entry phone systems by means of the Ethernet network and enables the management of the access control functions. It is furnished with one rapid connector for VA/08 power units, 2 RJ45 ports in “switch” configuration for Ethernet 10/100 Mb networks and terminals for the direct connection of a external XIP unit. Availability of 3 programmable inputs, 1 mini USB port for device firmware updating and 3 LEDs for the indication of the status of the system and the communications. The gateway supports the XIP and SIP protocols and manages up to 2 simultaneous A/V communications. Requires 14-18 V DC – 390 mA max. power supply IP30 water and dust protection rating.	
Access control interfaces		
GCR/08 **62740130**	**Access control keypad - video entry phone bus interface for XIP systems.** Miniaturized container for the installation on DIN rail (EN50022) on wall or in a tin box and size 1 low DIN module. It enables the connection of the keypad with proximity reader for the access control (ACMR-VR/08 and ACMR-P/08) to the XIP video entry phone system. Each interface manages a maximum of 4 keypads. Furnished with 4 dip-switches for line impedance management. Programming from PC. Requires 12-18 V DC – 70mA – mA max. power supply.	
Standalone access control keypad		
ACMR-VR **61800690**	**Numerical keypad with Mifare proximity reader in aluminium alloy for standalone access control.** Metal body in aluminium alloy ready for wall installation. It enables the access control of 2 zones in standalone operation up to a maximum of 1000 codes or proximity keys. It is furnished with 2 relay outputs for door opening, 1 input for door status detection and 2 button inputs for local opening. It requires 12-24 V AC – 110 mA max. power supply IP65 water and dust protection rating.	
ACMR-P **61800710**	**Numerical keypad with Mifare proximity reader in plastic for standalone access control.** Plastic body ready for wall installation. It enables the access control of 2 zones in standalone operation up to a maximum of 1000 codes or proximity keys. It is furnished with 2 relay outputs for door opening, 1 input for door status detection and 2 button inputs for local opening. It requires 12-24 V AC – 110 mA max. power supply IP65 water and dust protection rating.	

SYSTEM DEVICES

Code	Description	
Access control keypad for XIP systems		
ACMR-VR/08 61800720	**Numerical keypad with Mifare proximity reader in aluminium alloy for access control in XIP systems.** Metal body in aluminium alloy ready for wall installation. It enables access control of 2 zones in an XIP video entry phone system. It is furnished with 3 programmable inputs and 2 relay outputs for door opening. To be used with GCR/08 interface. It requires 12-24 V AC – 110 mA max. power supply IP65 water and dust protection rating.	
ACMR-P/08 61800730	**Numerical keypad with Mifare proximity reader in plastic for access control in XIP systems.** Plastic body ready for wall installation. It enables access control of 2 zones in an XIP video entry phone system. It is furnished with 3 programmable inputs and 2 relay outputs for door opening. To be used with GCR/08 interface. It requires 12-24 V AC – 110 mA max. power supply IP65 water and dust protection rating.	
Kit with DIN rail		
KDIN12 61800350	**Kit with DIN rail and 12 module terminal cover.**	
KDIN8 61800480	**Kit with DIN rail and 8 module terminal cover.**	
KDIN6 61800450	**Kit with DIN rail and 6 module terminal cover.**	
KDIN4 61800430	**Kit with DIN rail and 4 module terminal cover.**	

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LCKITPEC04
61700090

CODE	DESCRIPTION	QUANTITY
LC/01 60090650	Monolithic intercom entry panel for X1 system; expandable to 4 calls.	1
DPH 61800040	Double height single button with name tag.	1
PEC BI 60540010	Handsfree intercom, 2 programmable AUX keys - white.	1
VAS/101 62700011	18 V DC - 1000 mA additional power-supply unit.	1

LCKITPEC14
61700130

CODE	DESCRIPTION	QUANTITY
LC/01 60090650	Monolithic intercom entry panel for X1 system; expandable to 4 calls.	1
DPH 61800040	Double height single button with name tag.	1
PEC NF 60540020	Handsfree intercom, 2 programmable AUX keys - black.	1
VAS/101 62700011	18 V DC - 1000 mA additional power-supply unit.	1

EVKITPEV01
62620430

CODE	DESCRIPTION	QUANTITY
DVC/01 ME 62020020	Semi-modular, monolithic video intercom entry panel for X1 systems - Metal finish.	1
DPF NF 60090070	Anodized aluminum front plaque, Matt Black finish.	1
DCI ME 61800020	Frame for recess-mounting entry panels of the Thangram series; Metal finish.	1
DSI 60090050	Recess-mounting box for entry panels of the Thangram series.	1
DPH 61800040	Double height single button with name tag.	1
DTH ME 61800090	Double-height cap; Metal finish.	1
PEV BI 62100180	Handsfree video intercom with 3.5" LCD display, 2 programmable AUX keys - white.	1
VA/01 62700030	18 V DC - 1100 mA power supply unit for Z1 video entry phone systems.	1

EVKITPEV11
62620440

CODE	DESCRIPTION	QUANTITY
DVC/01 ME 62020020	Semi-modular, monolithic video intercom entry panel for X1 systems - Metal finish.	1
DPF NF 60090070	Anodized aluminum front plaque, Matt Black finish.	1
DCI ME 61800020	Frame for recess-mounting entry panels of the Thangram series; Metal finish.	1
DSI 60090050	Recess-mounting box for entry panels of the Thangram series.	1
DPS 61800030	Single button with name tag.	1
DTS ME 61800070	Single cap; Metal finish.	3
PEV NF 62100190	Handsfree video intercom with 3.5" LCD display, 2 programmable AUX keys - black.	1
VA/01 62700030	18 V DC - 1100 mA power supply unit for Z1 video entry phone systems.	1

LVKITPEV04
62620450

CODE	DESCRIPTION	QUANTITY
LVC/01 62020070	Video entry phone monolithic external unit for X1 system that can be expanded up to 4 calls.	1
DPH 61800040	Double height single button with name tag.	1
PEV BI 62100180	Handsfree video intercom with 3.5" LCD display, 2 programmable AUX keys - white.	1
VAS/101 62700011	18 V DC - 1000 mA additional power-supply unit.	1

LVKITPEV14
62620460

CODE	DESCRIPTION	QUANTITY
LVC/01 62020070	Video entry phone monolithic external unit for X1 system that can be expanded up to 4 calls.	1
DPH 61800040	Double height single button with name tag.	1
PEV NF 62100190	Handsfree video intercom with 3.5" LCD display, 2 programmable AUX keys - black.	1
VAS/101 62700011	18 V DC - 1000 mA additional power-supply unit.	1

FUTURAKITVC04
62621160

CODE	DESCRIPTION	QUANTITY
LVC/01 62020070	Video entry phone monolithic external unit for X1 system that can be expanded up to 4 calls.	1
DPH 61800040	Double height single button with name tag.	1
FUTURA X1 WH 62100520	Handsfree video intercom with 7" LCD display, soft touch keys - white.	1
VAS/101 62700011	18 V DC - 1000 mA additional power-supply unit.	1

EVKITOPL01
62620580

CODE	DESCRIPTION	QUANTITY
DVC/01 ME 62020020	Semi-modular, monolithic video intercom entry panel for X1 systems - Metal finish.	1
DPF NF 60090070	Anodized aluminum front plaque, Matt Black finish.	1
DCI ME 61800020	Frame for recess-mounting entry panels of the Thangram series; Metal finish.	1
DSI 60090050	Recess-mounting box for entry panels of the Thangram series.	1
DPS 61800030	Single button with name tag.	1
DTS ME 61800070	Single cap; Metal finish.	3
OPALE WHITE 62100270	Handsfree video intercom with 3.5" LCD display, with up to 10 programmable AUXs - white.	1
OPALESI 62800380	Recess-mounting box for Opale-series indoor receivers.	1
VA/01 62700030	18 V DC - 1100 mA power supply unit for Z1 video entry phone systems.	1

EVKITOPL11
62620590

CODE	DESCRIPTION	QUANTITY
DVC/01 ME 62020020	Semi-modular, monolithic video intercom entry panel for X1 systems - Metal finish.	1
DPF NF 60090070	Anodized aluminum front plaque, Matt Black finish.	1
DCI ME 61800020	Frame for recess-mounting entry panels of the Thangram series; Metal finish.	1
DSI 60090050	Recess-mounting box for entry panels of the Thangram series.	1
DPS 61800030	Single button with name tag.	1
DTS ME 61800070	Single cap; Metal finish.	3
OPALE BLACK 62100280	Handsfree video intercom with 3.5" LCD display, with up to 10 programmable AUXs - black.	1
OPALESI 62800380	Recess-mounting box for Opale-series indoor receivers.	1
VA/01 62700030	18 V DC - 1100 mA power supply unit for Z1 video entry phone systems.	1

LVKITOPL04
62620630

CODE	DESCRIPTION	QUANTITY
LVC/01 62020070	Video entry phone monolithic external unit for X1 system that can be expanded up to 4 calls.	1
DPH 61800040	Double height single button with name tag.	1
OPALE WHITE 62100270	Handsfree video intercom with 3.5" LCD display, with up to 10 programmable AUXs - white.	1
OPALESI 62800380	Recess-mounting box for Opale-series indoor receivers.	1
VAS/101 62700011	18 V DC - 1000 mA additional power-supply unit.	1

LVKITOPL14
62620640

CODE	DESCRIPTION	QUANTITY
LVC/01 62020070	Video entry phone monolithic external unit for X1 system that can be expanded up to 4 calls.	1
DPH 61800040	Double height single button with name tag.	1
OPALE BLACK 62100280	Handsfree video intercom with 3.5" LCD display, with up to 10 programmable AUXs - black.	1
OPALESI 62800380	Recess-mounting box for Opale-series indoor receivers.	1
VAS/101 62700011	18 V DC - 1000 mA additional power-supply unit.	1

EVKITPEVDNA00
62620690

CODE	DESCRIPTION	QUANTITY
DVC/01 62020010	Semi-modular, monolithic video intercom entry panel for X1 systems.	1
DPS 61800030	Single button with name tag.	1
DNA 61800320	Keypad module for digital call and access control to use with entry panels of the Thangram series. Greyhound finish.	1
PEV BI 62100180	Handsfree video intercom with 3.5" LCD display, 2 programmable AUX keys - white.	1
VA/01 62700030	18 V DC - 1100 mA power supply unit for Z1 video entry phone systems.	1

XTS 7LVKIT
8K40CF-008

CODE	DESCRIPTION	QUANTITY
LVC/01 62020070	Video entry phone monolithic external unit for X1 system that can be expanded up to 4 calls.	1
DPH 61800040	Double height single button with name tag.	1
XTS 7 WH WIFI 840CH-0030	Full-touch handsfree video intercom for X1 system, 7" TFT touch screen display, Wi-Fi and Graphical User Interface - white.	1
VAS/100.30 62703310	Supplementary 17.5 V DC - 1700 mA power supply unit.	1

XTS 7LVKIT-BF
8K40CF-009

CODE	DESCRIPTION	QUANTITY
LVC/01 62020070	Video entry phone monolithic external unit for X1 system that can be expanded up to 4 calls.	1
DPH 61800040	Double height single button with name tag.	1
XTS 7 WH WFBF 840CH-0050	Full-touch handsfree video intercom for X1 system, 7" TFT touch screen display, Wi-Fi and Graphical User Interface, on-board teleloop - white.	1
VAS/100.30 62703310	Supplementary 17.5 V DC - 1700 mA power supply unit.	1

XTS 7IPMTMVKIT
8K40CF-010

CODE	DESCRIPTION	QUANTITY
MTMV/IP 62030020	Intercom video modules for IP360 systems.	1
MTMFV1P 62030040	1-button video intercom front panel made of natural anodized satin finish aluminum.	1
MTMTP1M 60020170	Frame and plaque for 1-module MTM.	1
MTMSI1M 60020150	Recess-mounting box for 1-module MTM entry panels.	1
XTS 7IP WH WIFI 840CH-0060	Full touch handsfree video intercom for IP360 system, 7" TFT touch-screen display, WiFi and Graphical User Interface - white.	1
XNS04P 64880830	Switch 4 PoE ports + 2 Uplink ports. Power supply unit included.	1

AGTK200V03
8K40CF-018

200

CODE	DESCRIPTION	QUANTITY
AGT V200 840CF-0010	Handset video intercom with soft-touch buttons, 5" LCD display, white.	1
HAVC/200 62210100	Color audio/video group for Targha series, system 200.	1
HPV/1 ST 60090200	Video intercom plate with 1 button, anthracite gray.	1
HTS GR 60090600	Recess-mounting box and frame, gray.	1
VA/200.01 62703210	Video intercom power supply 230 V, 50/60 Hz, 60 VA.	1

AGTLVKIT
8K40CF-019

CODE	DESCRIPTION	QUANTITY
AGT V 840CF-0020	Handset video intercom with soft-touch buttons, 5" LCD display, 1 programmable AUX key, white.	1
LVC/01 62020070	Video entry phone monolithic external unit for X1 system that can be expanded up to 4 calls.	1
DPH 61800040	Double height single button with name tag.	1
VAS/101 62700011	18 V DC - 1000 mA additional power-supply unit.	1

AGTMTMVKIT
8K40CF-020

CODE	DESCRIPTION	QUANTITY
AGT V 840CF-0020	Handset video intercom with soft-touch buttons, 5" LCD display, 1 programmable AUX key, white.	1
MTMV/01 62030010	Intercom video modules for X1 systems.	1
MTMFV1P 62030040	1-button video intercom front panel made of natural anodized satin finish aluminum.	1
MTMTP1M 60020170	Frame and plaque for 1-module MTM.	1
MTMSI1M 60020150	Recess-mounting box for 1-module MTM entry panels.	1
VAS/101 62700011	18 V DC - 1000 mA additional power-supply unit.	1

AGTK200A03
8K40CA-006

CODE	DESCRIPTION	QUANTITY
AGT A200 840CA-0010	White handset entry phone.	1
HA/200 60191600	Audio system module 200 for Targha series.	1
HPC/1 ST 60090100	Intercom plate with 1 button, anthracite gray.	1
HBP GR 60090500	Wall base, gray.	1
A/200R 61404600	Main intercom power supply, 230V, 15VA.	1

AGT2K200A03
8K40CA-007

200

CODE	DESCRIPTION	QUANTITY
AGT A200 840CA-0010	White handset entry phone.	2
HA/200 60191600	Audio system module 200 for Targha series.	1
HPC/2 ST	Intercom plate with 2 buttons, anthracite gray.	1
HBP GR 60090500	Wall base, gray.	1
A/200R 61404600	Main intercom power supply, 230V, 15VA.	1

AGTK200A03E
8K40CA-008

CODE	DESCRIPTION	QUANTITY
AGT A200 840CA-0010	White handset entry phone.	1
HA/200 60191600	Audio system module 200 for Targha series.	1
HPC/1 ST 60090100	Intercom plate with 1 button, anthracite gray.	1
HTS GR 60090600	Recess-mounting box and frame, gray.	1
A/200R 61404600	Main intercom power supply, 230V, 15VA.	1

AGTK200A03K
8K40CA-009

200

CODE	DESCRIPTION	QUANTITY
AGT A200 K 840CA-0030	Handset intercom with 2 AUX buttons, white.	1
HA/200 60191600	Audio system module 200 for Targha series.	1
HPC/1 ST 60090100	Intercom plate with 1 button, anthracite gray.	1
HBP GR 60090500	Wall base, gray.	1
A/200N 61404810	Main intercom power supply, 230V, 15VA.	1

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162	DMC/01
162	DMC/08
85	DMI
162	DMRFID
162	DMVC/01
162	DMVC/08
85	DNA
85	DNA ME
83	DP/0
84	DPD
83	DPF AL
83	DPF AR
83	DPF BI
83	DPF BL
83	DPF ME
83	DPF NF
84	DPF NL
83	DPF RS
83	DPF VD
84	DPH
84	DPS
85	DRFID
83	DSI
84	DSM
85	DTAG5
84	DTH
85	DTH ME
85	DTP
84	DTS
84	DTS ME
79	DVC/01
79	DVC/01 ME
79	DVC/08
79	DVC/08 ME
79	DVC/IP ME
171	ETI/miniSER XIP
171	ETI/SER XIP V3
172	ETI/XIP
28	FUTURA IP BK
28	FUTURA IP WH
27	FUTURA X1 BK
27	FUTURA X1 WH
27	FUTURA X1 WH BF
28	FUTURA X2 BK
28	FUTURA X2 WH
28	FUTURA X2 WH BF
31	FUTURA-SI
172	GCR/08
173	KDIN12
173	KDIN4
173	KDIN6
173	KDIN8
101	KT A
39	KT V
31	KT VXL
145	LC/01
89	LCI
171	LIC/APP001
171	LIC/APP010
171	LIC/APP050
171	LIC/APP100
170	LIC/GST001
170	LIC/GST010
170	LIC/GST050
170	LIC/GST100
170	LIC/SR001
170	LIC/SR010
170	LIC/SR050
170	LIC/SR100
89	LSI
89	LTP
87	LVC/01
153	MITHO SB NF
54	MTM8C
54	MTM8C/200
110	MTMA/01
110	MTMA/08
111	MTMA/200
111	MTMA/GSM
110	MTMA/IP
110	MTMAL/01
55	MTMBFVS
55	MTMDY
63	MTMEX8C
63	MTMF2P
68	MTMF2PAM
70	MTMF2PVR
63	MTMF3P
68	MTMF3PAM
70	MTMF3PVR
63	MTMF4P
68	MTMF4PAM
70	MTMF4PVR
63	MTMF8P
68	MTMF8PAM
70	MTMF8PVR
121	MTMFA0P
126	MTMFA0PAM
128	MTMFA0PVR
121	MTMFA1P
126	MTMFA1PAM
128	MTMFA1PVR
121	MTMFA2P
126	MTMFA2PAM
128	MTMFA2PVR
121	MTMFAL0P
126	MTMFAL0PAM
128	MTMFAL0PVR
121	MTMFAL1P
126	MTMFAL1PAM
128	MTMFAL1PVR
121	MTMFAL2P
126	MTMFAL2PAM
128	MTMFAL2PVR
64	MTMFBF
71	MTMFBFVR
64	MTMFDY
68	MTMFDYAM
71	MTMFDYVR
64	MTMFKB
68	MTMFKBAM
71	MTMFKBVR
64	MTMFMI
64	MTMFNA
69	MTMFNAAM
71	MTMFNAVR
64	MTMFRFID
69	MTMFRFIDAM
71	MTMFRFIDVR
63	MTMFV0P
69	MTMFV0PAM
70	MTMFV0PVR
63	MTMFV1P
69	MTMFV1PAM
70	MTMFV1PVR
63	MTMFV2P
69	MTMFV2PAM
70	MTMFV2PVR
63	MTMGT
55	MTMKB
55	MTMMC
71	MTMMCVR
55	MTMMI
55	MTMNA
55	MTMRFID
65	MTMSI1M
65	MTMSI2M
65	MTMSI3M
65	MTMSI4M
67	MTMSP1M
73	MTMSP1M VR
67	MTMSP1M2
67	MTMSP1M3
67	MTMSP1M4
67	MTMSP2M
73	MTMSP2M VR
67	MTMSP2M2
67	MTMSP3M
73	MTMSP3M VR
67	MTMSP3M2
67	MTMSP3M3
67	MTMSP4M
73	MTMSP4M VR
65	MTMTI1M
72	MTMTI1M VR
66	MTMTI1M2
66	MTMTI1M3
66	MTMTI1M4
65	MTMTI2M
72	MTMTI2M VR
66	MTMTI2M2
66	MTMTI3M
72	MTMTI3M VR
66	MTMTI3M2
66	MTMTI3M3
66	MTMTI4M
72	MTMTI4M VR
64	MTMTP1M
72	MTMTP1MVR
64	MTMTP2M
72	MTMTP2MVR
64	MTMTP3M
72	MTMTP3MVR
64	MTMTP4M
72	MTMTP4MVR
54	MTMV/01
54	MTMV/08
54	MTMV/IP
41	OPALE BLACK
43	OPALE KP WH BF
41	OPALE W BLACK
41	OPALE W WHITE
41	OPALE WHITE
43	OPALEKP BLACK
43	OPALEKP WHITE
43	OPALESI
170	PCS/PORTER
170	PCS/XIP
101	PEC BI
101	PEC IP BK
101	PEC IP WH
101	PEC NF
37	PEV BI
37	PEV BI BF
37	PEV NF
37	PEV NF BF
168	RIR/08
166	VA/01
166	VA/08
167	VAS/100.30
167	VAS/100MH
167	VAS/101
169	VCM/1D
169	VCM/1D/500
169	VCM/2D
169	VCM/2D/500
169	VCM/4D
169	VCM/4D/500
168	VLS/101M
168	VLS/2
169	VLS/3
168	VLS/300
164	VRAKX/1
164	VRAKX/2
164	VRAX/1
164	VRAX/2
164	VRAX/4
164	VRAX/DIGI
164	VRAX/DIGI-P
165	VRSH/1
165	VRSH/2
163	VRVKX/1
163	VRVKX/2
163	VRVX/1
163	VRVX/2
163	VRVX/4
163	VRVX/6
163	VRVX/DIGI
163	VRVX/DIGI-P
167	VSC/01
168	VSC/08
167	VSE/301.01
166	XAS/301.01
168	XDV/300A
167	XDV/303
167	XDV/304
167	XDV/304A
19	XTS 5IP BK
19	XTS 5IP WH
21	XTS 5KT
21	XTS 5SI
21	XTS 5SIC
20	XTS 7 BK WIFI
20	XTS 7 WH WFBF
20	XTS 7 WH WIFI
19	XTS 7IP BK WIFI
19	XTS 7IP WH WFBF
19	XTS 7IP WH WIFI
21	XTS 7KT
21	XTS 7SI
21	XTS 7SIC
49	XVP F
49	XVP S

KIT	
195	AGT2K200A03
194	AGTK200A03
196	AGTK200A03E
197	AGTK200A03K
191	AGTK200V03
192	AGTLVKIT
193	AGTMTMVKIT
183	EVKITOPL01
184	EVKITOPL11
178	EVKITPEV01
179	EVKITPEV11
187	EVKITPEVDNA00
182	FUTURAKITVC04
176	LCKITPEC04
177	LCKITPEC14
185	LVKITOPL04
186	LVKITOPL14
180	LVKITPEV04
181	LVKITPEV14
190	XTS7IPMTMVKIT
188	XTS7LVKIT
189	XTS7LVKIT-BF

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CORPORATE HEADQUARTERS

CAME S.P.A.
Via Martiri della Libertà, 15
31030 Dosson di Casier
Treviso - ITALY

MANUFACTURING COMPANIES

CAME PARKARE GROUP
Barcelona, SPAIN

CAME URBACO
Entraigues sur la Sorgue, FRANCE

ÖZAK GEÇIŞ TEKNOLOJILERI
Kocaeli, TURKEY

CAME GO
Pordenone, ITALY

CAME BLIND TECHNOLOGY
Brescia, ITALY

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DE MEXICO
Mexico City

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