

Slim and steady.

A technological core clad in steel.



Audio/video module with high performances.

A perfect video image thanks to:



Video camera with wide-angle lens.

The field of view can be controlled directly from the indoor video entry station using the pan&zoom function.



Sensor: high sensibility and HDR.

It helps to focus even on areas with a reduced brightness.



Automatic regulation of lighting.

Brightness is also self-adjusting based on ambient light to ensure an optimal view.



Pixel Up is a range of one-block panels with stainless steel cover plate, integrated electronic unit, display and alphanumeric keyboard, in both audio and audio/video versions. Designed to meet also partially sighted people and people with hearing aids needs.

Perfect audio reproduction thanks to:



Automatic gain control.

Amplification of the audio signal (AGC), optimized independently of distance or loudspeaker's tone.



Echo suppression.

An algorithm makes natural two-way conversations possible automatically avoiding annoying audio feedback or whistling.



Voice synthesis and built-in teleloop.

Voice messages guide the user step by step. T-coil hearing aid wearers can listen to conversations directly in their hearing aid.



IP and Due Fili Plus.

Evolved technologies which multiple solutions.

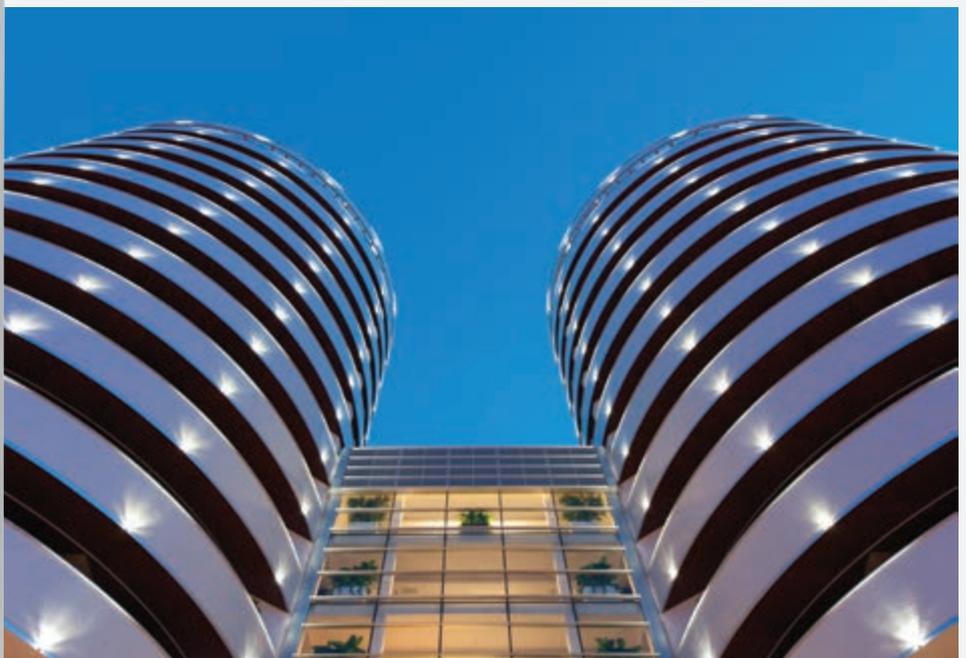


Scalability.

IP video door entry system was designed to meet with the greatest simplicity all kind of buildings' needs: from the small house to the largest residential complex.

Unparalleled extension.

Thanks to IP technology video door entry systems can be extended to reach a large number of users. This extension is as easy as the installation: fast, functional and it happens using dedicated or shared LANs, if already present.



Pixel Up entrance panel general characteristics

Built-in electronic units

Audio, audio/video electronic units with colour camera integrated into the entrance panel. In version with display and alphanumeric keypad. Fitted with backlighting system white-light LEDs.

Optical signalling

The entrance panel operations are signalled by graphic icons on the display and by the LEDs on the front of the cover plate, which show the call under way, the line busy, the conversation and the lock opening.

High performance 3.5" display

Wide viewing angle and backlighting that allow easy reading of information even in bright light. The device uses large-sized characters and symbols, so it can also be used by the visually impaired. 5 mm thick polycarbonate screen protector.

Backlit keyboard

Backlit stainless steel keys with Braille codes featuring multi-tap function for rapid name search.

Cover plates

Audio and audio/video cover plates in 3 mm thick 316 stainless steel with brushed finish. They are fixed directly to the flush mounting box with special anti-removal screws.



Pixel Up entrance panel general characteristics

Automatic brightness control

The intensity of the LEDs used for lighting the video camera is self-adjusting according to the environmental light, to ensure optimal visibility of the caller and the surrounding area.

Video camera with wide-angle lens

Camera with wide-angle lens, high-definition, high-sensitivity and HDR. The High Dynamic Range (HDR) technology in fact allows you to identify the caller even in poorly lit areas. Recording range can be controlled directly from the indoor station using the pan&zoom function.

Contacts list with up to 6,400 names

Thanks to a user-friendly navigation menu, the entrance panel can manage up to 6,400 names. Calls can be made by scrolling the contacts list or entering the required number.

Integrated teleloop

Thanks to this technology, T-coil hearing aid wearer, can listen to conversations directly in their hearing aid.

Voice synthesis

Entrance panel use by the visually impaired is facilitated, thanks to voice messages that guide the user step by step.



Composition

The cover plate is fixed to the flush mounting box using 4 special steel anti-tamper screws. The entrance panel can also be external surface mounted thanks to the dedicated box supplied with a rain-proof frame. The entrance panel has protection degree IP54 and protection rating IK08 for impact resistance.

Pixel Up entrance panels

Pixel Up series entrance panel

Entrance panel comprising 3 mm 316 stainless steel cover plate, flush mounting box and electronic unit. Available in the version with alphanumeric keyboard, stainless steel buttons and colour display protected by 5 mm thick polycarbonate glass. Impact- and weather-resistant with protection ratings IP54 and IK08. For flush mounting the cover plate is supplied with a box to be fixed to using special anti-tamper screws. Supplied with a standard configuration, the unit can be customized to suit the particular system. Programming performed using Video-Door IP manager software.

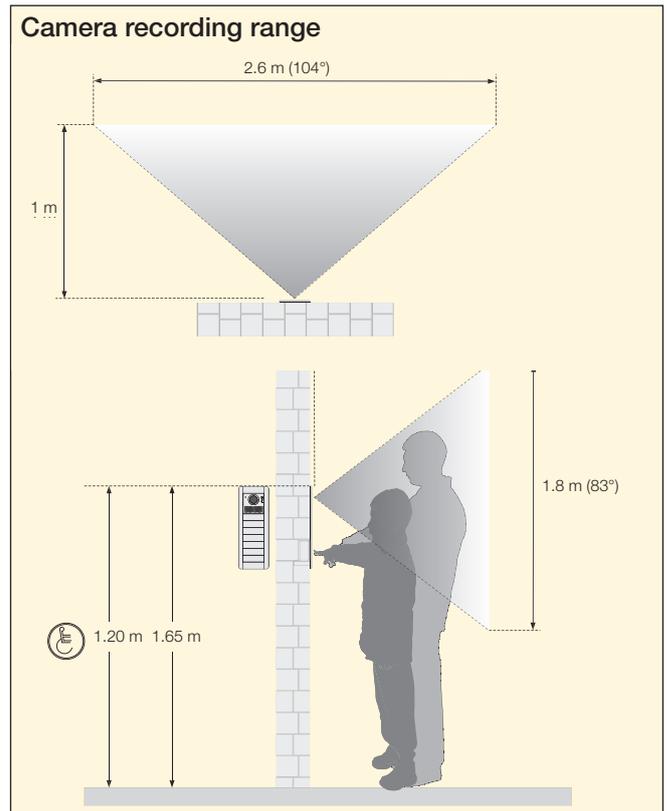
Regulatory compliance

EMC directive
Standards EN 60065, EN 61000-6-1, EN 61000-6-3 and EN 60118-4

40414 and 40415 - Main specifications

- Audio and audio/video electronic units with 3.5" alphanumeric display (320x480 pixels).
- Cover plate in grade 316 stainless steel.
- Zinc-plated metal flush mounting box.
- Degree of protection against impact IK08 and protection rating IP54.
- Alphanumeric keypad with stainless steel buttons and Braille code, for making calls, exploring the electronic contacts list, and configuring basic parameters of the electronic unit.
- Colour camera with wide-angle lens, sensitivity sensor and HDR, to focus on areas with reduced brightness.
- White LED lighting in the shooting area with automatic brightness control according to the ambient light.
- Zoom&scan camera mode, controlled directly from the indoor station.
- Indication of "Engaged - Please Wait" message and operating steps on the display.
- Electronic contacts list with memory capacity for 6,400 users (2 names of 16 characters each, per user).
- Front LEDs for signalling: call in progress/communication open; enable lock; missed call if the line is busy; video answering machine service.
- Entrance panel user guide to assist the visually impaired, using voice synthesis messages.
- Autogain on loudspeaker power output (AGC).
- Echo canceller, to remove the Larsen effect.
- Noise reduction and voice activity detection (VAD).
- Hearing-impaired function for hearing aid wearers.
- Power supply: PoE class 0, from Ethernet network.
- Output for activation of electric lock (peak current $I_T > 1\text{ A}$ for 10 ms followed by holding current $I_M = 200\text{mA}$ for as long as the lock control remains active).
- 2 outputs for auxiliary services, with NO and NC contacts, max 60 Vdc 1 A.
- 2 inputs, programmable in the configuration software (in NO or NC mode), e.g.: remote control for lock activation, open door signalling.
- Removable terminal block for connection to system.
- Operating temperature -25 to +55 °C.
- Cover plate dimensions (40415): 145x405x3 mm
- Cover plate dimensions (40414): 145x460x3 mm
- Flush mounting box dimensions (40415): 124x382x60 mm
- Flush mounting box dimensions (40414): 124x437x60 mm

Technical data		40414/40415
Power supply from Ethernet network		PoE, class 0 (IEEE 802.3-2012)
Network interface		RJ45 Ethernet 10/100 Mps (certified)
Recording angle	horizontal	104°
	vertical	83°
Opening at 1 m	horizontal	2.6 m
	vertical	1.8 m
Nominal power consumption		10 W
Max current draw in operation		500 mA
Operating temperature		from -25° to +55° C



Pixel Up entrance panels

Entrance panel with alphanumeric keypad and display

▲ **40415** Colour audio video IP entrance panel with keypad, display and electronic contacts list, complete with metal flush mounting box, stainless steel



▲ **40415**
stainless steel

Entrance panel with alphanumeric keypad, display and hole for access reader

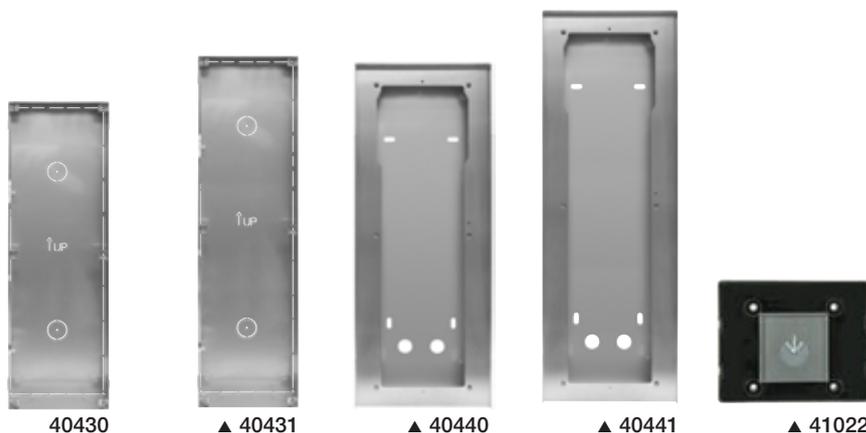
▲ **40414** Colour audio video IP entrance panel with keypad, display and electronic contacts list, with 40 x 40 mm hole for access reader, complete with metal flush mounting box, stainless steel



▲ **40414**
stainless steel

Accessories

- 40430 Zinc-plated metal flush mounting box for Pixel Up entrance panel
- ▲ 40431 Zinc-plated metal flush mounting box for Pixel Up entrance panel with reader
- 40440 Surface mounting box with rain-proof frame for Pixel Up entrance panel
- ▲ 40441 Surface mounting box with rain-proof frame for Pixel Up entrance panel with reader
- ▲ 41022 RFID reader, white LED backlighting, 1 NO relay output for Pixel Up entrance panels 2F+ and IP, with 40 x 40 mm hole



40430

▲ 40431

▲ 40440

▲ 40441

▲ 41022

Pixel Up series entrance panel

Entrance panel comprising 3 mm 316 stainless steel cover plate, flush mounting box and electronic unit. Available in the version with alphanumeric keyboard, stainless steel buttons and colour display protected by 5 mm thick polycarbonate glass. Impact- and weather-resistant with protection ratings IP54 and IK08. For flush mounting the cover plate is supplied with a box to be fixed to using special anti-tamper screws. Supplied with a standard configuration, the unit can be customized to suit the particular system. The electronic unit can be programmed from the unit itself, or using programmer 950C, or alternatively, the PC software application SaveProg 69CD with interface 692I or 692I/U.

Regulatory compliance

EMC directive
Standards EN 60065, EN 61000-6-1, EN 61000-6-3 and EN 60118-4

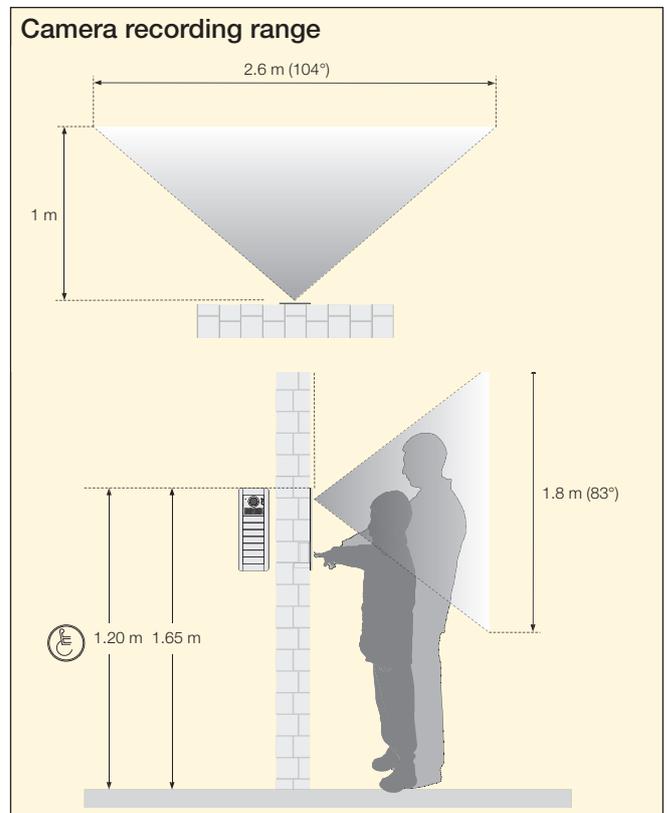
40404, 40405, 40424 and 40425 - Main characteristics

- Audio and audio/video electronic units with 3.5" alphanumeric display (320x480 pixels).
- Cover plate in grade 316 stainless steel.
- Zinc-plated metal flush mounting box.
- Degree of protection against impact IK08 and protection rating IP54.
- Alphanumeric keypad with stainless steel buttons and Braille code, for making calls, exploring the electronic contacts list, and configuring basic and advanced parameters of the electronic unit.
- 40404 and 40405 with colour camera with wide-angle lens, sensitivity sensor and HDR, to focus on areas with reduced brightness.
- 40404 and 40405 with white LED lighting in the shooting area with automatic brightness control according to the ambient light.
- 40404 and 40405 with zoom&scan camera mode for, directly controlled from the indoor station.
- Indication of "Engaged - Please Wait" message and operating steps on the display.
- Electronic contacts list with memory capacity for 6,400 users (2 names of 16 characters each, per user).
- Front LEDs for signalling: call in progress/communication open; enable lock; missed call if the line is busy.
- Entrance panel user guide to assist the visually impaired, using voice synthesis messages.
- Autogain on loudspeaker power output (AGC).
- Echo canceller, to remove the Larsen effect.
- Noise reduction and voice activity detection (VAD).
- Hearing-impaired function for hearing aid wearers.
- Power supply: Due Fili Plus Bus.
- Input for additional power supply (6923).
- Output for activation of electric lock (peak current $I_T > 1\text{ A}$ for 10 mS followed by holding current $I_M = 200\text{ mA}$ for as long as the lock control remains active).
- 2 outputs for auxiliary services, with NO and NC contacts, max 60 Vdc 1 A.
- Input for door open sensor.
- Input for activation of lock by remote control.
- Removable terminal block for connection to system.
- Operating temperature -25 to +55 °C.
- Cover plate dimensions (40405 and 40425): 145x405x3 mm
- Cover plate dimensions (40404 and 40424): 145x460x3 mm

- Flush mounting box dimensions (40405 and 40425): 124x382x60 mm
- Flush mounting box dimensions (40404 and 40424): 124x437x60 mm

Technical data		40424/40425	40404/40405
Power supply from bus		voltage min. 21 Vdc	voltage min. 21 Vdc
Recording angle	horizontal	-	104°
	vertical	-	83°
Opening at 1 m	horizontal	-	2.6 m
	vertical	-	1.8 m
Current draw in stand-by		120 mA	120 mA
Max current draw in operation		330 mA	330 mA
Operating temperature		from -25° to +55° C	from -25° to +55° C
Additional power supply		with 6923	with 6923

Option of using additional power supply 6923 where necessary (bus voltage at terminals 1 and 2 of electronic unit registering < 21 Vdc).



Pixel Up entrance panels

Entrance panels with alphanumeric keypad and display

- 40405** Colour video entrance panel with keypad, display and electronic contacts list, 6400 indoor stations, complete with metal flush mounting box, stainless steel
- ▲ **40425** Due Fili Plus audio entrance panel with keypad, display and electronic contacts list, 6400 indoor stations, complete with metal flush mounting box, stainless steel



40405
stainless steel

▲ **40425**
stainless steel

Entrance panels with alphanumeric keypad, display and hole for access reader

- 40404** Due Fili Plus colour audio video entrance panel with keypad, display and electronic contacts list, with 40 x 40 mm hole for access reader, 6400 indoor stations, complete with metal flush mounting box, stainless steel
- ▲ **40424** Due Fili Plus audio entrance panel with keypad, display and electronic contacts list, with 40 x 40 mm hole for access reader, 6400 indoor stations, complete with metal flush mounting box, stainless steel

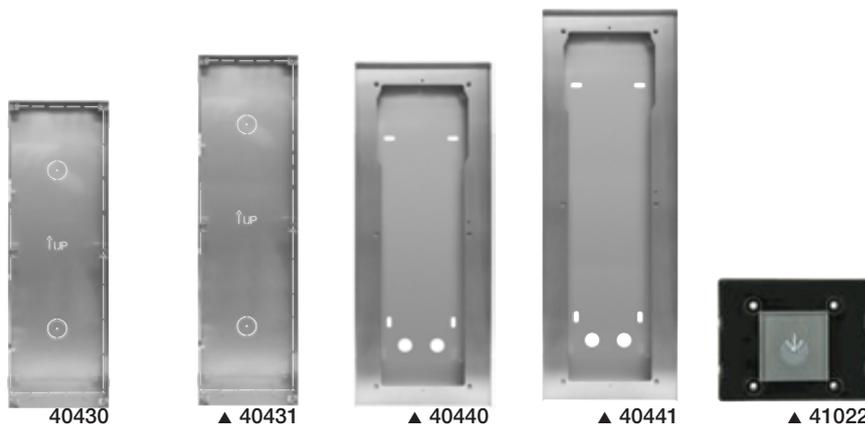


40404
stainless steel

▲ **40424**
stainless steel

Accessories

- 40430** Zinc-plated metal flush mounting box for Pixel Up entrance panel
- ▲ **40431** Zinc-plated metal flush mounting box for Pixel Up entrance panel with reader
- 40440** Surface mounting box with rain-proof frame for Pixel Up entrance panel
- ▲ **40441** Surface mounting box with rain-proof frame for Pixel Up entrance panel with reader
- ▲ **41022** RFID reader, white LED backlighting, 1 NO relay output for Pixel Up entrance panels 2F+ and IP, with 40 x 40 mm hole



40430

▲ **40431**

▲ **40440**

▲ **40441**

▲ **41022**