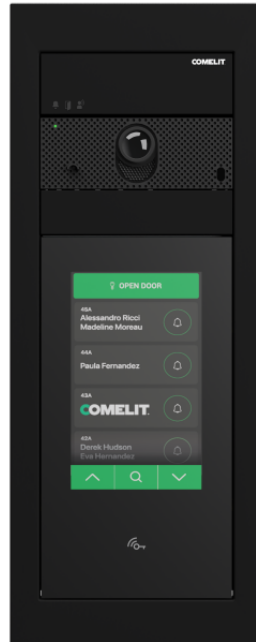




**UT2090B**

## VIDEO+TOUCH ENT.PAN. COMPLETE ULTRA BLACK SB2



Ultra series flush-mounted audio/video entrance panel with 5" Touchscreen module for Simplebus 2 system, black RAL9005. For use in systems with power supply unit art. 1210 / 1210A. Twilight sensor for touchscreen backlighting management. Omnidirectional digital microphone and double loudspeaker for high-fidelity audio. Wide-angle colour video camera with 120° horizontal, 90° vertical field of vision. Audio-visual indications for disabled individuals assistance request. 5" high-visibility capacitive display with impact-proof glass and theme selection (black or white). User-friendly graphic interface, can be customised with virtual call buttons or a number keypad to call the user directly when the code is known. Access control function with audio or audio/video module output and system actuator activation. Option of customising the buttons for direct calls to the switchboard, commercial activities with corresponding logos and viewing welcome messages. It has a Wiegand output for interfacing with access control systems, an RFID reader for activating an opening using keys or Comelit cards, and a Bluetooth connection. Consisting of audio/video module art. UT2020B, Touch module art. UT9270, frame art. UT9163B and flush-mounted box art. 3110/3A. 10 mm protrusion from the wall. Dimensions (L x H x D): 125.5x317.5x55 mm.

### AWARDS



**UT2090B**

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DESIGN  
MILANO





**UT2090B**

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**GENERAL DATA**

|                             |                                |
|-----------------------------|--------------------------------|
| Type                        | Modular                        |
| Height (mm)                 | 317.5                          |
| Width (mm)                  | 125.5                          |
| Depth (mm)                  | 35                             |
| Product weight (g)          | 2000                           |
| Product color               | Black RAL9005, Transparent     |
| Type of finishing materials | Polycarbonate, Aluminium alloy |
| Flush-mounted               | Yes                            |

**COMPATIBLE SYSTEMS**

|                                                           |     |
|-----------------------------------------------------------|-----|
| Audio/video Simplebus 2 with power supply art. 1210/1210A | Yes |
|-----------------------------------------------------------|-----|

**DISPLAY**

|                    |                 |
|--------------------|-----------------|
| Display type       | TFT             |
| Display size (")   | 5               |
| Touch screen       | Yes, capacitive |
| Resolution (pixel) | 800x480         |

**AUDIO FEATURES**

|                          |                                            |
|--------------------------|--------------------------------------------|
| Microphone               | MEMS audio digital sensor, omnidirectional |
| Loudspeaker              | 28mm (Ø), 8 Ohm, 1W (2)                    |
| Technologies implemented | Echo canceling                             |

**CAMERA FEATURES**

|                              |           |
|------------------------------|-----------|
| Camera                       | Colours   |
| Sensor type                  | 1/3" CMOS |
| Lens optical dimensions (mm) | 1.79      |
| Angle of view (H x V - °)    | 120 x 90  |
| Sensitivity                  | 0.45      |


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**ELECTRICAL CHARACTERISTICS**

|                            |                       |
|----------------------------|-----------------------|
| Type of power supply       | External power supply |
| Supply voltage             | 33VDC                 |
| Absorption in stand-by (W) | 4.5                   |
| Maximum absorption (W)     | 9.5                   |

**HARDWARE FEATURES**

|                             |                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Call type                   | Push-buttons, Digital                                                                                                                         |
| Type of buttons             | Capacitive                                                                                                                                    |
| Backlight colour            | White, Black                                                                                                                                  |
| Clamps                      | L L V+ V- COM NC NO SE+ SE-/GND RTE TX- TX+ RX- RX+ D1+ D1- D2+ D2- GND D0 D1 GND IN                                                          |
| Number of inputs (n°)       | 1                                                                                                                                             |
| Number of outputs (n°)      | 2                                                                                                                                             |
| Type of outputs             | Relay (C-NO-NC, 4A@12÷24 VAC/VDC, 10A peak), SE: unlock pulse of 4A, holding current of 200mA for 12VAC / DC locks (maximum impedance 18 Ohm) |
| Integrated proximity reader | RFID Mifare Classic                                                                                                                           |
| Communication ports         | Micro-USB, 1 x Wiegand, 2 x RS485, Ethernet                                                                                                   |
| Twilight sensor             | Yes                                                                                                                                           |

**SETTINGS**

|                      |     |
|----------------------|-----|
| Loudspeaker volume   | Yes |
| Microphone volume    | Yes |
| Backlight brightness | Yes |

**NETWORK AND COMMUNICATION PROTOCOLS**

|                     |                                                                                                                                                            |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of LAN network | Ethernet 10 Mbit/s                                                                                                                                         |
| Bluetooth           | Yes                                                                                                                                                        |
| Wiegand             | Access codes: 26 bits max (4 bits for each digit, 2 parity bits, big endian). Comelit Cards/Keys: 34 bits max (32 payload bits, 2 parity bits, big endian) |



**UT2090B**

**VIDEO+TOUCH ENT.PAN. COMPLETE ULTRA BLACK SB2**

**PROGRAMMING MODE**

ViP Manager software

Yes

**ENVIRONMENTAL AND COMPLIANCE FEATURES**

IP protection rating

IP65

Vandal Resistant rating (IK code)

IK08

Operating temperature (°C)

-25 ÷ 55

Operating humidity (RH max) (%)

25 ÷ 95

Environmental class

IV

Certifications

RoHS II - 2011/65/UE (EN IEC 63000:2018), EMC 2014/30/UE  
(EN 61000-6-1:2007 , EN 61000-6-3:2007+A1:2011)

**MAIN FUNCTIONS**

Door opener

Yes

Input for local door release button

Yes

Door open signaling input

Yes

Access control via proximity reader

Yes

Access control via door opener code

Yes

No. of storable users (n°)

4000

Number of door opener codes (n°)

4000

Number of storable proximity keys

4000

Visual indications of system status

Yes

Acoustic signals of system status

Yes

Speech synthesis of system status

Yes

Customizable welcome message

Yes

Yes

Customisable image of the button

Yes

**GENERAL FEATURES**

Switchboard call function

Yes

Actuator control function

Yes