



- SIP door intercom with HD colour camera + 1 call button
- HD camera with night vision function
- Full duplex

### Compact IP door intercom system for your smart home entrance

The 2N® IP Solo is a compact IP door intercom and compatible with standard SIP telephone systems and terminals. Even if it only has one bell button, you can take advantage of the hidden HD camera, the possibility to answer the calls on the smartphone and, above all, the easy integration into existing home automation systems. It is an ideal solution for integration into the door communication of new or existing home automation systems. Integration is easy thanks to API support. Thanks to ONVIF compatibility the 2N® Solo can also be integrated into CCTV systems. The hidden camera always guarantees a sharp picture and this even at night thanks to the high resolution and the infrared night vision mode.

To satisfy your need for safety, a firmly integrated tamper switch is already included. In addition, the mounting frame is already included in the scope of delivery.

### Features:

- HD camera with night vision function
- Easy integration into home automation system (with license upgrade)
- Can be integrated into CCTV systems with ONVIF support (with license upgrade)
- Programmable scripts for actions and responses
- NextGen html5 web configurator
- Possibility to connect external IP camera
- Picture to email (with license upgrade)
- Integrated tamper switch
- Extreme mechanical strength
- Power supply via PoE (Power over Ethernet) or external 12 V DC power source
- Delivery with mounting frame



**Expansion with expansion modules of 2N IP Verso is not possible!**

All specifications subject to change without notice or liability to provide changes to prior purchasers. Information and specifications published here are current as of the date of publication of this document. We reserve the right to change or modify specifications without prior notice.

<b>Technical specifications:</b>	
<b>VoIP parameter</b>	
Signalling protocol	SIP 2.0 (RFC – 3261)
Audio codec	G.711, G.722 / G.729* (* optional with license upgrade)
Audio stream	RTP / RTSP
Video codec	H.263+, H.263, H.264, MPEG-4, MJPEG
Video stream	RTP / RTSP / HTTP
Protocols	SIP2.0, DHCP opt. 66, ONVIF, SMTP, 802.1x, RTSP, RTP, TFTP, HTTP, HTTPS, Syslog
<b>Buttons</b>	
Speed dial button	Transparent buttons with white background lighting
Number of buttons	1
<b>Audio</b>	
	Full duplex with echo cancellation
Microphone	1 integrated microphone
Loudspeaker	2 W
Sound pressure per 1 kHz	78 dB (at a distance of 1 m)
<b>Camera</b>	
JPEG resolution	1280 (horizontal) x 960 (vertical) px
Video resolution	640 (horizontal) x 480 (vertical) px
IP camera function	ONVIF v2.4 profile S compatible
Viewing angle	128° (H), 95° (V), 134° (D)
Infrared	yes
<b>Interfaces</b>	
Power supply	12V ±15% / 2A DC or PoE
PoE	PoE 802.3af (Class 0 – 12.95W)
LAN	10/100 BASE-TX with Auto-MDIX, RJ-45
Recommended wiring	Cat-5e or above
Switching output	NO/NC, max. 30V/1A AC/DC
Active switching output	8 to 12V DC, depending on power supply (PoE: 10 V; adapter: device voltage minus 2 V), max. 600 mA
Digital input	Passive / active mode (-30 V to +30 V DC; OFF = open OR UIN > 1.5 V; ON = closed contact OR UIN < 1.5 V
<b>Mechanical</b>	
Operating temperature range	-40 to 60 °C
Storage temperature	-40 to 70 °C
Relative humidity	10 to 95% (non-condensing)
IP rating	IP54
<b>Dimensions mounting frame (optional - included in the scope of delivery)</b>	
Wall-mounted 1 module (W x H x D)	107 x 130 x 28 mm
Flush-mounted 1 module (W x H x D)	130 x 153 x 5 mm
<b>Dimensions flush-mounting box (not included in the delivery, has to be ordered separately)</b>	
Flush-mounting box 1 module (W x H x D)	108 x 131 x 45 mm

\* Warranty ex works, normally 24 months, fixed at order. Information is current as of the date of publication. Subject to errors and modifications. / NOTE: Internal connections refer to connections inside the unit, generally mounted across a pin-header. External connections refer to those outside the box. Once mounted, only connections described as "front accessible" can be accessed by the customer.