

2N® IP FORCE

TOUGHEST IP INTERCOM IN THE WORLD

2N® IP Force is an extremely durable IP intercom that can withstand even the most demanding conditions. It provides for visitor communication monitoring and access control. Take advantage of its superior features for maximum site security.



- **Built for extreme conditions**
- **Professional night vision**
- **Clear sound in noisy environments**
- **Durable access control solution**
- **Wide-angle HD camera**
- **Easy integration into CCTV and VMS**

VARIANTS



1 button



1 button,
keypad



4 buttons



2 buttons,
card reader ready



1 button, pictograms,
card reader ready

With HD camera
With SD camera
Without camera

9151101CHW
9151101CW
9151101W

9151101CHKW
9151101CKW
9151101KW

9151104CHW
9151104CW
9151104W

9151102CHRW
9151102CRW
9151102RW

9151101CHRPW
9151101CRPW
9151101RPW

TECHNICAL PARAMETERS

Signalling protocol

SIP (UDP, TCP, TLS)

Button

Button design Transparent, white backlit buttons with easily replaceable label
Count of buttons 1, 2 or 4
Numerical keypad Optional

Audio

Microphone 2 integrated microphones
Amplifier 10 W (class D)
Speaker 1 W (10 W optional)
Volume control Adjustable with automatic adaptive mode
Full duplex Yes (AEC)

Audio stream

Protocols RTP/RTSP
Codecs G.711, G.722, G.729, L 16/16kHz

Camera HD / SD

Sensor 1/3" colour CMOS / 1/4" colour CMOS
JPEG resolution 1280 (H) x 960 (V) / 640 (H) x 480 (V)
Video resolution 640 (H) x 480 (V)
Frame rate Up to 30 snapshots/s
Sensor sensitivity 5.6 V/lux-sec (550 nm) / 1.9 V/lux-sec (550 nm)
View angle 135° (H), 109° (V)
Infrared light Yes

Video stream

Protocols RTP/RTSP/HTTP
Codecs H.263, H.263+, H.264, MPEG-4, M-JPEG
IP camera function Yes, ONVIF v2.4 profile S compatible

Interface

Power supply 12 V / 2A DC or PoE
PoE PoE 802.3af (Class 0 - 12,95 W)
LAN 10/100BASE-TX with Auto-MDIX, RJ-45
Recommended cabling Cat-5e or higher
Passive switch NO/NC contacts, max. 30 V/1A AC/DC
Active switch output 9 up to 13 V DC depending on power supply, max. 700 mA

RFID card reader

Supported frequencies 125kHz and 13.56MHz
125 kHz EM4100, EM4102, HID Proximity
13.56 MHz ISO14443A, ISO14443B, ISO15693, NFC support
reads UID (CSN)
reads PACs ID (iCLASS SIO-enabled cards)
- only secured cards

Mechanical properties

Mechanical properties
Cover Robust aluminium casting
Operating temperature -40 °C to 55 °C
Storage temperature -40 °C to 70 °C
Operating relative humidity 10%-95% (non-condensing)
Dimensions 217 x 109 x 83 mm
242 x 136 x 83 mm with frame
Weight net max. 2 kg / gross max. 2,5 kg
Covering level IP69K and IK10