

# 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  
Without camera

9151101CHW  
9151101W

9151101CHKW  
9151101KW

9151104CHW  
9151104W

9151102CHRW  
9151102RW

9151101CHRPW  
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 10 W  
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

Sensor 1/3" colour CMOS  
JPEG resolution 1280 (H) x 960 (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