



## 2N® Helios IP Base

2N® Helios IP Base is a compact IP intercom with a simple and fast installation. It is fitted out with one or two buttons and an RFID reader and brings high quality audio and video. The intercom is designed especially for smaller scale installations.



Small offices  
Family houses  
Home Automation

Schools and campuses  
State administration public buildings

### A compact IP intercom with HD camera

A stylish IP intercom with high-quality audio and video.

### Very easy to install

The mechanical and software installation of the 2N® Helios IP Base intercom is very fast and intuitive. You will save not only time, but also installation costs.

### RFID card reader

The basic model can be extended with a 125 kHz or 13.56 MHz RFID card reader module.

# 2N® Helios IP Base

## PROPERTIES

### High-quality audio and video

Thanks to its integrated HD camera and advanced sound processing with echo-cancellation the intercom provides sharp image and provides excellent audibility in all conditions.

### Surface-only installation

Being surface mounted, it saves you the cost and time of building work.

### Tamper switch

The intercom is equipped with integrated tamper switch that detects unauthorized device intrusions.

### Ready for connecting additional equipment

The intercom also has inputs and outputs ready for connecting an electric lock or other equipment.

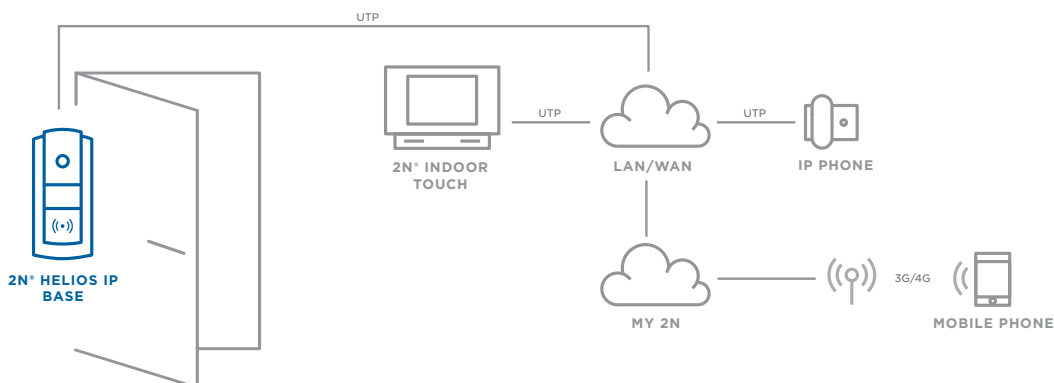
### One or two-button options

You can choose whether to deploy it with one or two buttons, both options are included.

### Durable aluminium frame

High durability is ensured by certified compliance with the intrusion protection standards IP65 and IK7.

## DIAGRAM



## TECHNICAL PARAMETERS

### Signalling protocol

SIP 2.0 (RFC - 3261)

### Buttons

Button type	transparent plastic
Number of buttons	1 or 2 (the pack holds plastic buttons for both 1 or 2-button options)
Numeric keypad	no

### Audio

Microphone	built-in microphone
Speaker	2W
Sound pressure at 1 kHz at 1 m distance	78 dB

### Audio stream

Codecs	G 711, G 722
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### Telecamera

HD camera resolution	1280 x 960
Viewing angle	135°horizontal 109° vertical
Night vision	no

### Video stream

Codec H.263+, H.263, H.264 only for VoIP calls  
MJPEG for http streaming

### Interfaces

PoE	PoE 802.3af LAN connector
Connector for expansion module (RFID reader)	
Internal tamper switch	
IN1 input terminal passive/active mode (-30 V to +30 V DC)	
	OFF = open contact or UIN > 1.5 V
	ON = closed contact or UIN < 1.5 V
Relay output 30 V/1 A AC/DC, output NO/NC	
Active switch output 8 to 12 V DC depending on Power supply (PoE: 10 V; adapter: source voltage minus 2 V), max 400 mA	
Input for external power supply 12 V/2 A DC	

### RFID card reader

RFID card reader 13.56 MHz and 125 kHz

### Mechanical properties

Weight	max. 1000 g
Operating temperature	-40°C - 55°C
Operating temperature	-40°C - 70°C
Operating relative humidity	10%-95% (non-condensing)
Dimensions	229x109x31 mm
Intrusion Protection	IP65, IK7

## SOFTWARE

**2N® Mobile Video** – a service to tell you who is standing at the door, even when you are out

**2N® Access Commander** – software to manage 2N IP intercoms and access units

**2N® Helios IP Eye** – an application that will enrich your hard phone with video streamed from the intercom camera

**2N® Network Scanner** – an application for searching out 2N IP intercoms and access units on the network