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 brings high quality audio and video. The intercom is designed especially for smaller scale installations.

Small offices	State administration public buildings
Family houses	
Home Automation	Logistics and transport
Schools	Campuses

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

Very easy to install
The meachanical 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.

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

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High-quality audio and video
Thanks to its integrated HD camera and advanced sound processing with echo-cancellation the intercom renders sharp images and excellent audibility in all conditions.

Surface-only installation
Being surface mounted, it saves you the cost and time of building work.

Tamper switch
An intercom with it own integrated protective switch that detects unauthorized device intrusions.

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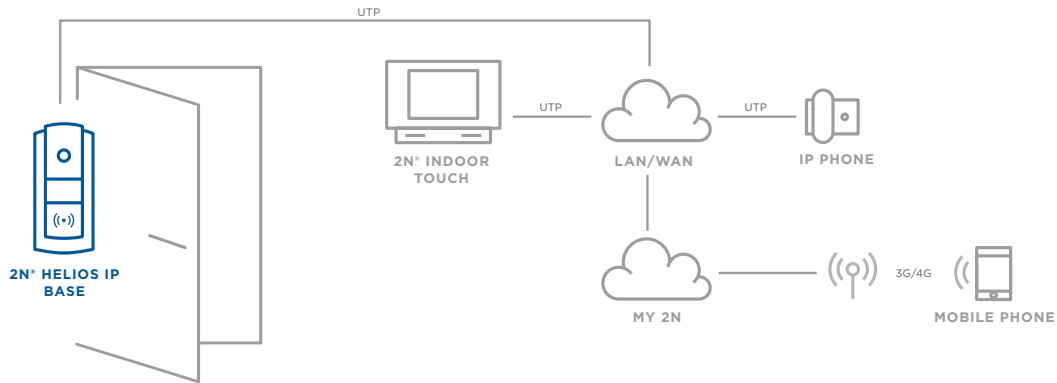The intercom also has ready inputs and outputs for connecting up an electric lock or other equipment.

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

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

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

Camera

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

Video stream
Codec H.263+, H.263, H.264 only for VoIP calls

Interfaces

PoE	PoE 802.3af LAN connector

Connector for expansion module (RFID reader)
Internal tamper
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	229×109×31 mm
Ingress Protection	IP65, IK7

2N® Mobile Video – a service for checking who is standing at your door even if you are not home.
2N® Access Commander – software to manage 2N IP intercoms and access units
2N® Helios IP Eye – an application that enriches your desk phone with video from the intercom camera
2N® Network Scanner – application for detecting 2N IP intercoms and access control units on the network