



# 2N® Helios IP Force

More than an IP door intercom



## A Guard at Your Door for Extreme Conditions

The 2N® Helios IP Force, a SIP-based IP intercom, provides a smart and effective solution for access control, and unparalleled voice and video communication for monitoring and controlling entry to a building or a secure area.

Being the flagship of 2N's IP intercoms, the 2N® Helios IP Force provides the greatest coverage on the market. Designed with a vandal-resistant, solid aluminium construction, the 2N® Helios IP Force has earned one of highest standard protection ratings – IP69. You can be assured that the 2N® Helios IP Force offers unprecedented features and a robust design that guarantees secure access control for any extreme environment.



### Main Features:

- Audio, video, and access control all in one box
- Access control with a card, code, or call
- Comprehensive communication and the optimal volume (full duplex) are ensured by a powerful 10W speaker, double microphone, and echo cancellation
- Keypad, wide-angle camera, card reader, programmable back lit buttons
- External power source (12V) or PoE
- ...and many more

### Benefits:

- Convenient and effective way to monitor and provide secure access control
- Robust, weather-resistant design
- Easy installation and carefree maintenance
- Use of existing building infrastructure

### Target groups:

- **Business:** offices, shopping areas
- **Education:** universities, campuses, schools, sports arenas
- **Healthcare:** hospitals, laboratories
- **Logistics & Transportation:** airports, parking lots or garages
- **Government:** prisons
- Manufacturing & Production
- Aerospace & Defence
- Energy & Utilities
- Metal & Mining
- Chemicals

## Broad functionality



### Real-time video streaming

24/7 video monitoring. This continual streaming of voice and video via a LAN can be received by any device supporting RTSP and can be watched simultaneously by 4 different computers, independently on call.

#### Practical use:

This function increases building security. Just record your video from the 2N® Helios IP Force and you will have proof of people entering.



### Interconnection with security, home automation, or attendance systems

As the 2N® Helios IP Force uses a standard SIP protocol, it can be connected to security systems to provide access control to the building.

#### Practical use:

An employer can connect the 2N® Helios IP Force to its attendance system, and besides a controlled entry he can also have a record of employees' presence.



### 2N® Helios IP Eye

Whether you have one location or several hundred, you can remotely control and view entry with any IP-based device, using the 2N® Helios IP Eye pop-up PC application.

#### Practical use:

You can see someone standing in front of your door even before picking up the call. You can let her in just by pressing a button in this application. It can also serve as a substitute for a video phone.



### 2N® Helios IP Manager

From a single location, the 2N® Helios IP Manager provides centralised management, including user administration, for the entire 2N® Helios IP Intercom Family.

#### Practical use:

User program for the remote administration and monitoring of extensive installations.



### HTTP lock control

The relay inside the 2N® Helios IP Force can be activated/deactivated from another device by an http command, fully independent of incoming/outgoing calls.

#### Practical use:

Integrated into the home automation system, the 2N® Helios IP Force enables the opening of a door lock from the central tablet, independently of incoming/outgoing calls.



### IP Relay

The 2N® Helios IP Force can control IP relay connected to the same LAN as the 2N® Helios IP Force. Relay is controlled in the same way as a normal relay inside the 2N® Helios IP Force – you just have to specify its IP address and user command.

#### Practical use:

IP Relay can be used when you do not want to connect the door lock directly to the 2N® Helios IP Force for security reasons. This way there is only communication by http command between the 2N® Helios IP Force, and relay that controls the door lock.



### Time profiles

A time profile defines when the phone number or lock code is valid or invalid. Any profile can be assigned to a particular lock or a contact in the phone book. There are up to 20 time profiles.

#### Practical use:

If you want to limit the access of a particular person at a particular time, e.g., assigning a cleaning service an access code enabling it to open a door only between 17:00 and 21:00, Monday to Friday.



### Picture to e-mail

This function will send you an e-mail with a picture of the person who pressed the call button.

#### Practical use:

It can be used if there is any issue concerning robberies or any unauthorised entry into the building.

## Technical Parameters

### Signalling protocol

SIP 2.0 (RFC - 3261)

### Buttons

Quick dial buttons	Transparent, white backlit buttons with easily replaceable name tags
Number of buttons	1, 2 or 4
Numeric keypad	optional

### Audio

Microphone	2 integrated microphones
Loudspeaker	1W (optionally 10W)

### Audio stream

Codecs	G.711, G.729
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### Camera

Resolution	640 (H) x 480 (V)
View angle	135° (H), 109° (V)
IR Night Vision	yes

### Video stream

Codecs	H.263+, H.264, MPEG-4, M-JPEG
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### Interface

Power supply	12V±15%/1A DC or POE
PoE	PoE 802.3af (Class 0 - 12.95W)
LAN	10/100BASE-TX with Auto-MDIX
Relay outputs	NC/NO contacts, max 30V/1A AC/DC
Active relay output	12V/700mA DC

### RFID card reader

Supported cards	EM-40XX (125KHz) HID Proximity (125kHz, 26 bit)
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### Mechanical

Operating temperature range	-20°C - 55°C
Storage temperature range	-40°C - 70°C
Relative humidity	10% - 95% (not condensing)
Dimensions	217x109x83 mm
Protection level	IP 65, 69

## 2N® Helios IP Family:



2N® Helios IP Force



2N® Helios IP Safety



2N® Helios IP Vario

The 2N® Helios IP family is a wide range of door intercoms for every situation - whether in security, business, emergency, or any other special area.

From providing simple applications requiring a clear and easy connection to a single IP telephone, to comprehensive communication arrangements integrated into security and signalling systems and IP PBXs. Having the highest quality and certification, 2N ensures compatibility with industry-standard-based IP network solutions such as Avaya, Cisco, and others.



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