



# OPEN THE DOOR TO INNOVATION

2N HELIOS IP INTERCOMS, IP ACCESS & IP AUDIO SYSTEMS





CIE-Group is one of the UK's leading AV & security technology distributors, supplying professional integrators with a wide range of high quality brands and innovative audio visual technologies. One of the latest additions to our brand portfolio - 2N Telecommunications - brings a wide range of I.P. connectivity Door Intercom and Audio-over-IP products to the UK market.

The CIE-Group / 2N partnership not only brings great products, but also guarantees unrivalled levels of pre and post-sales system and technical support / advice.

Call us today for details on T. 0115 977 0075 or visit us online at [www.cie-group.com/2N](http://www.cie-group.com/2N)



“AXIS Group including 2N have a common goal to contribute to a smarter and safer world. There is an increased customer demand for integrated solutions with open standards that deliver enhanced security. Together with 2N we can meet that demand.”



## IP INTERCOM SYSTEMS

HELIOS IP VERSO, VARIO, FORCE, SAFETY, UNI AND BASE

3



## ANSWERING UNITS

INDOOR TOUCH AND MOBILE VIDEO APPS

17



## IP ACCESS CONTROL

ACCESS UNIT, ACCESS COMMANDER

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## IP AUDIO SYSTEMS

IP AUDIO MANAGER, NET AUDIO & SIP AUDIO

27



## ACCESSORIES

SOFTWARE, ACCESSORIES AND ORDERING NUMBERS

35

# 2N® Helios IP Verso

Modular intercom  
is configurable to meet your needs

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Bluetooth technology ensures  
access control to the facility

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Intuitive touch display for outdoor  
use with up to 2000 contacts  
in the structured list

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Wide-angle HD camera with  
infrared night vision



Easy integration with IP telephone  
systems using SIP protocol support

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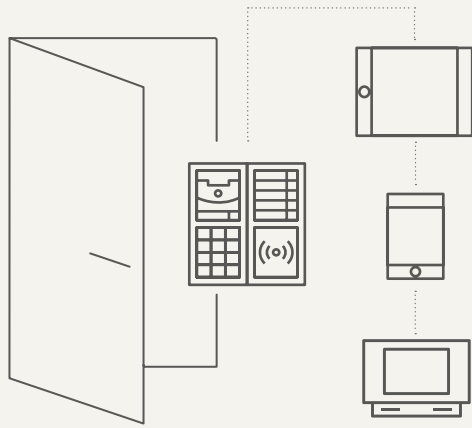
Integration with IP camera systems,  
VMS, and NVR through ONVIF

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2N® Mobile Video calls on your  
mobile phone

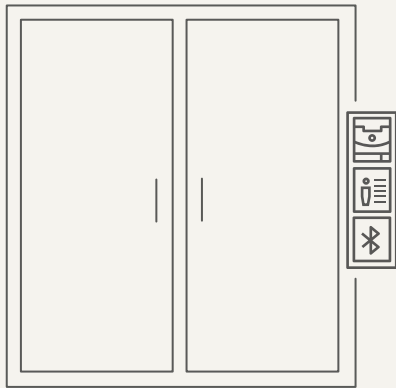
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RFID smart card reader with NFC  
support



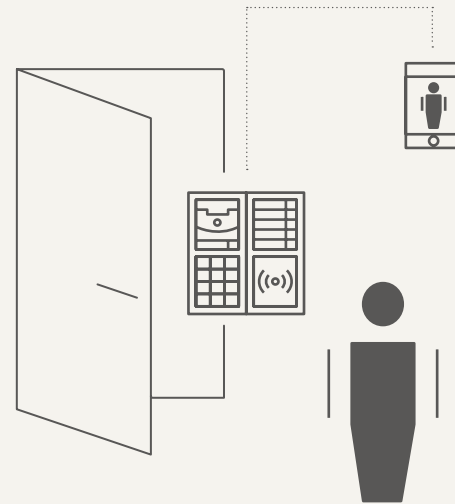
## HD VIDEO

The intercom's Integrated HD camera can send quality images to the camera systems, mobile devices or the 2N® Indoor Touch.



## MODULARITY

Taking advantage of the intercom's modularity you can choose a combination that suits your needs. For example, you can interconnect the touch screen with a Bluetooth unit and an HD camera.



## NIGHT VISION

The intercom's Infrared night vision can record a potential intruder even in complete darkness without the intruder noticing it.

# 2N® Helios IP Force

The toughest IP intercom on the market able to withstand the most demanding conditions

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Wide-angle HD camera with infrared light and night vision

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10W loudspeaker for excellent audability in loud environments

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Integration with IP camera systems through the ONVIF protocol



RFID smart card reader with NFC support and Wiegand interface

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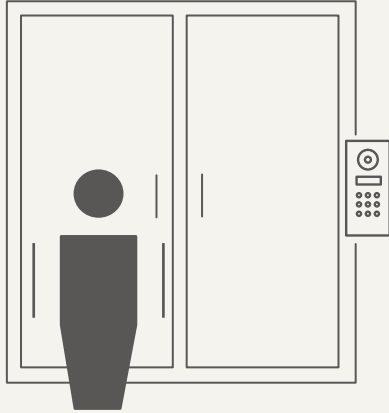
Highly durable aluminum housing with an antivandal construction

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Video calls on your mobile phone thanks to 2N® Mobile Video

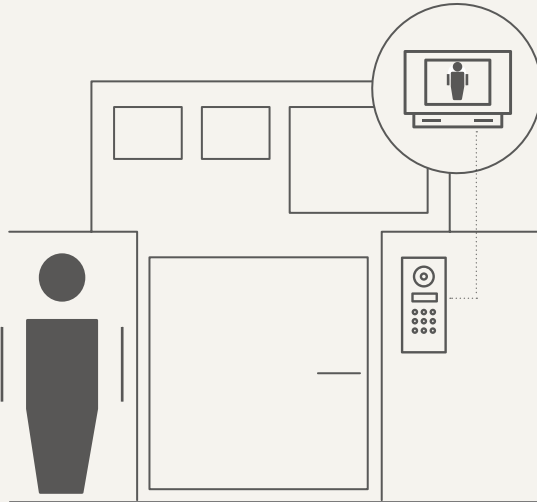
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Easy integration with IP telephone systems thanks to SIP protocol support



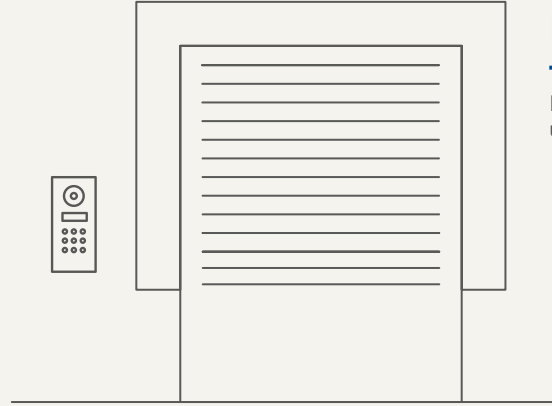
## SCHOOL BUILDING SECURITY

The intercom is able to lock down school entrances according to pre-set time profiles.



## HOME GUARDIAN

Its high durability and the possibility of video recording make the intercom a reliable guardian of any building entrance.



## SUPPLY ENTRY AND GROUNDS PROTECTION

In logistics areas no service ramp will be left unprotected.

# 2N® Helios IP Base

Compact IP intercom  
with wide-angle HD camera

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Fast installation

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Durable aluminum frame

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Excellent audibility in all  
conditions



Inputs and outputs ready  
for connecting an electric lock  
or other equipment

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Both one or two buttons  
options included

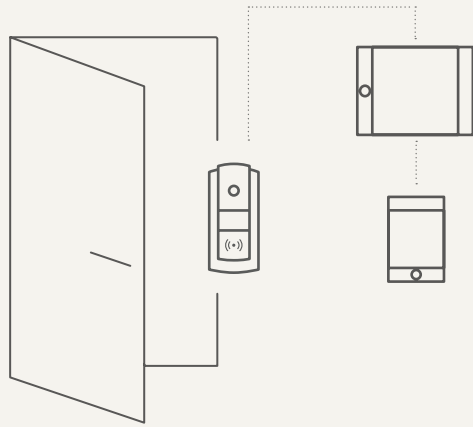
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Basic model can be extended  
with a 125 kHz or 13.56 MHz  
RFID card reader module

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Video calls on your mobile phone  
using 2N® Mobile Video App

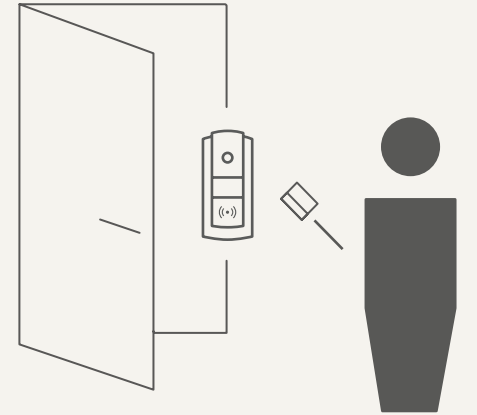




## VIDEO CALLS ON VARIOUS DEVICES

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An integrated HD camera ensures high quality videocalls on mobile devices, 2N® Indoor Touch or IP telephones.



## ACCESS CONTROL SYSTEM

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With its RFID card reader, the intercom can serve as a part of your access control system.

# 2N® Helios IP Vario

Graphics display instead of a large panel of buttons

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Easy integration with IP camera systems and access control systems

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With 2N Helios IP Vario you can combine LCD screen, call buttons, keypad, RFID card reader, camera, and relays all in one device

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Snapshot of the visitor to email

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Buttons have an unlimited lifecycle

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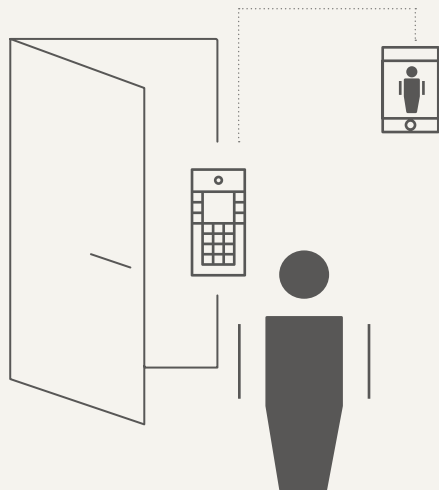
Easy integration with IP telephone systems thanks to SIP protocol support

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Video calls on your mobile phone using 2N® Mobile Video App

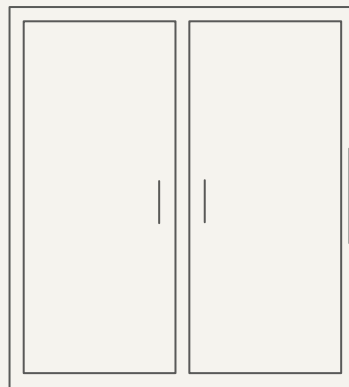
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Using the extenders you can easily increase the number of buttons up to 54



## VISITOR'S IMAGE ON YOUR PHONE

The integrated camera can transmit a quality image from your doorstep to your mobile phone.



## ACCESS CONTROL SYSTEM

The intercom can function as an attendance monitoring terminal for your employees.



## CONNECTION TO CCTV

The video record from the intercom can easily be sent to a camera system.

# 2N® Helios IP Safety

The most durable IP intercom on the market able to withstand the most demanding conditions

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Distinctive orange color, easily recognizable in emergency situations

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10W loudspeaker for good audability in loud environments

---

Easy integration with IP telephone systems using SIP protocol support



Integrates with external IP cameras for video calls

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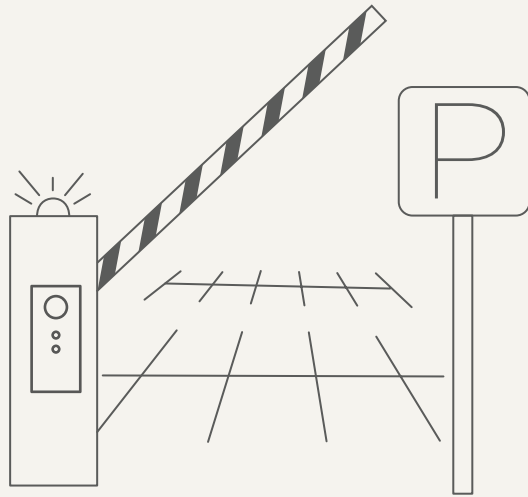
Durable buttons distinctively backlit in blue

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Highly durable aluminum housing with an antivandal construction

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Tamper switch detecting unauthorized device intrusions



## HIGHLY VISIBLE ASSISTANT AT PARKING LOTS

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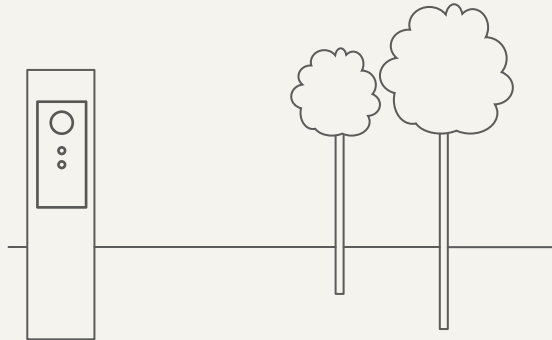
Installed at the parking lot exit it can significantly help in unexpected situations.



## SOS POINT

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On highways, the intercom's functions as a part of an SOS Point a solution providing emergency communication between drivers and a supervision centre.



## INFOPOINT IN CITY PARK

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A visible and easily operated information point in city parks, relax areas or other public places.

# 2N® Helios IP Uni

Designed for easy installation

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Durable stainless steel cover  
suitable for outdoor application

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Output for lock control



Pictograms signalling the status  
of the intercom

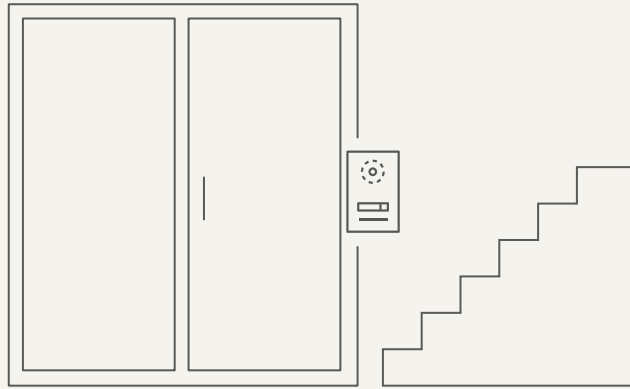
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Tamper switch

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Easy integration with IP telephone  
systems using SIP protocol  
support





## EASY COMMUNICATION IN OFFICES

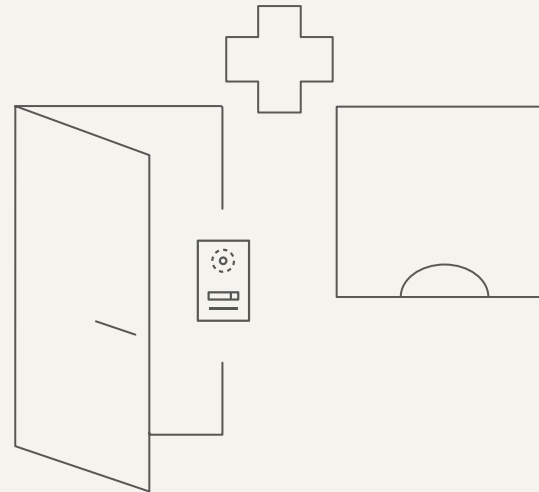
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For services entrances and back stairways in offices where it is necessary to ensure simple, safe communication.

## INTERCOM FOR PHARMACIES WITH NIGHT WORK HOURS

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An easy and effective system for calling personnel during night hours.









# 2N<sup>®</sup> Indoor Touch

Luxury design  
and high-tech processing

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7" touch screen

---

Audio and video  
communication in HD quality

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Video monitoring of 2N IP  
intercoms



Video voicemail or visitor's  
snapshot in case of a missed call

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Easy installation and remote  
administration in large  
residential apartments

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Home automation integration  
using OS Android support

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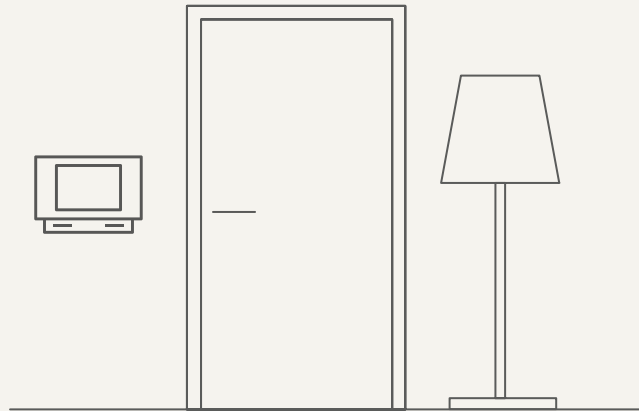
Support of doorbell button by  
the apartment or house entrance



## RESIDENTIAL BUILDING

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2N® Indoor Touch offers excellent monitoring, communications and access control for residential entrances. The device can be installed in any apartment.



## STYLISH ACCOMMODATION

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You can use 2N® Indoor Touch in your apartment or house as an answering station or to monitor what is happening at your door.

# 2N<sup>®</sup> Mobile Video

Video calls on your mobile phone

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Accept the call anywhere  
in the world over the internet

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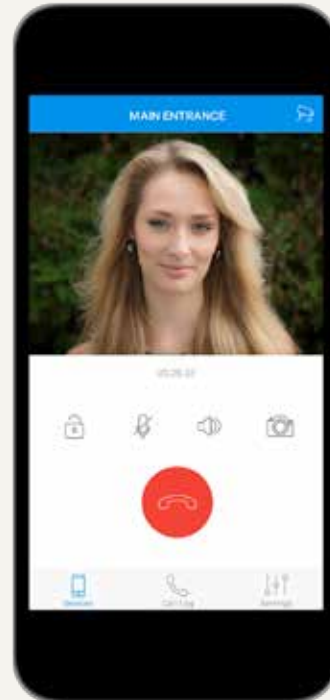
Building entrance monitoring

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Open the door remotely

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Solution for small residential  
installations as well as for large  
apartment buildings



Mobile Application available  
for iOS and Android

---

Video preview before  
call pick-up

---

Easy configuration and remote  
administration via My2N.com  
portal

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Calling on more devices like  
2N<sup>®</sup> Indoor Touch or IP telephone

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Call on more devices at once



# 2N® Access Unit Bluetooth and RFID

Access card reader embedded in a controller creating a single compact device

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Possibility to open doors using a smartphone supporting Bluetooth or NFC

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One single cable for both communication and power

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With 2N® Access Commander suitable for small installations as well as for extensive systems



Suitable for indoor and outdoor installation

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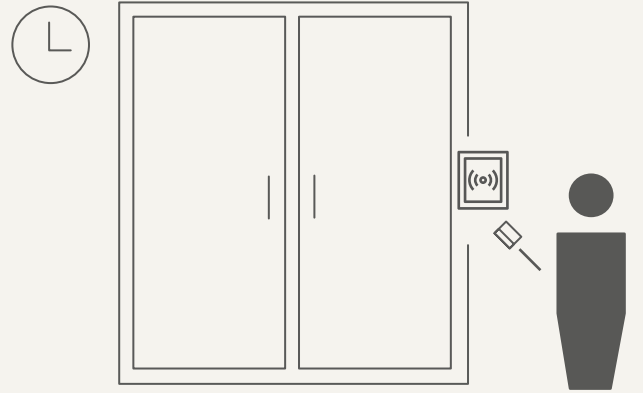
Smart status monitoring with notifications to your email

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Together with 2N Helios IP intercoms it creates complex solutions for access control system

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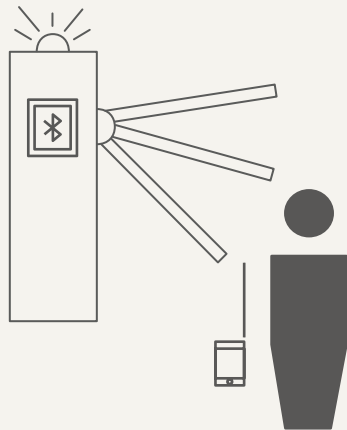
Easy integration with camera, attendance and other systems



## ATTENDANCE SYSTEM

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The access unit works as an easy attendance terminal recording all of your employees' arrivals and departures.



## ACCESS VIA SMARTPHONE

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With our Bluetooth enabled application you do not have to search for your access card anymore, just approach the card reader with your mobile phone.

# 2N<sup>®</sup> Access Commander

Software for access control system configuration and administration

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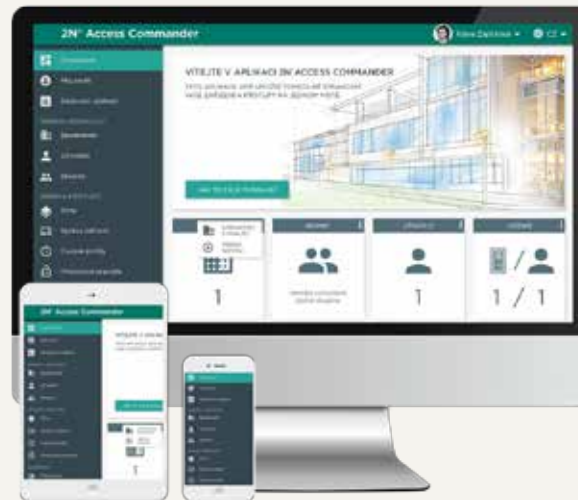
Access via a web interface

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Modern design with an intuitive control designed even for an average user

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Attendance system for work time evidence



Bulk configuration of 2N Helios IP intercoms and access units from one place

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Access records and alarms supplemented by visual record from the intercom

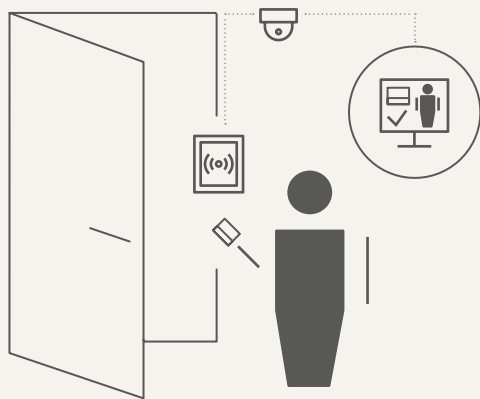
---

Advanced status monitoring of all connected devices with the notifications

---

Integration with third party systems using web REST API interface





## INTEGRATION WITH MILESTONE XPROTECT VMS

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An administrator can watch the video from cameras and manage the access control system via one common interface.





# 2N<sup>®</sup> IP Audio Manager

SW audio matrix and management system for 2N IP audio products

---

Creates audio streams through an IP network into different destinations

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Automatic synchronization function ensures that there are no issues with time alignment or delay between any two speakers



Broadcast unique content to as many as 100 zones

---

Planner function for automatic broadcasting

---

Remote control of the entire system

# 2N® Net Audio



## 2N® Net Speaker

Active IP loudspeaker

---

Easy and quick installation thanks to PoE and its auto-discovery function

---

Connection available for a 2nd passive speaker

---

Hi-Fi quality audio



## 2N® Net Mic

IP based microphone console for live or preset announcements

---

Quick and easy installation using PoE support and the ability to connect anywhere across the network

---

Can set up 12 separate announcements in 12 zones including zone activity detection

---

Intuitive operability



## 2N® Net Audio Decoder

IP to analogue audio converter with integrated amplifier

---

Automatic content back-up in the case of a network outage using SD card support

---

Easy and quick installation using PoE and automatic network recognition

Hi-Fi quality audio

# 2N® Net Audio



## 2N® Net Audio Decoder Lite

IP Audio to analogue audio converter

---

Automatic content back up in the case of a network outage using SD card support

---

Easy and quick installation using automatic network recognition

---

Hi-Fi quality audio



## 2N® Net Audio Encoder

Analogue to IP audio converter

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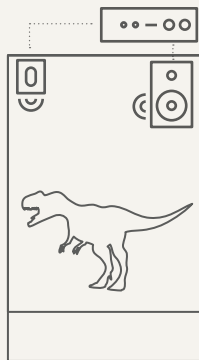
Quick and easy installation using PoE support and the ability to connect anywhere across the network

---

Digital input for connecting a paging button

---

Hi-Fi quality audio



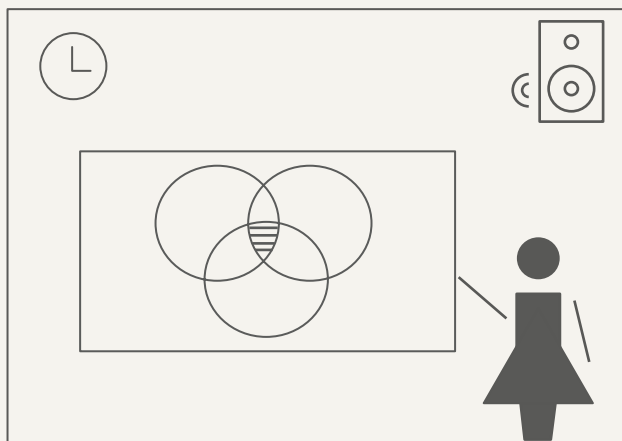
## AUDIO THROUGHOUT THE AMUSEMENT PARK

The system allows you to broadcast background music throughout the amusement park. Whenever a visitor comes into a given zone, they will hear sound related to that particular attraction.



## PROMOTIONAL MESSAGES AND IN-STORE MOOD MUSIC

Centralized playback of promotional messages or background music across multiple locations or branches. Centralized management of audio content allows for online monitoring, reporting about streamed music and back-up storage.



## PUBLIC ADDRESS IN SCHOOLS

Net audio provides a broad range of everyday uses in all educational establishments. You can broadcast live or pre-recorded announcements, ring the school bell or play background music.

# 2N® SIP Audio



## 2N® SIP Speaker

SIP based loudspeaker for live or pre-recorded announcements

---

Seamless compatibility with video management software (VMS) and IP PBXs

---

Internal scheduler for broadcasting preset announcements

---

Easy installation with a single cable (PoE)



## 2N® SIP Speaker Horn

Outdoor IP speaker for live and preset announcements across large areas

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Loudest IP based speaker on the market (SPLmax 124dB)

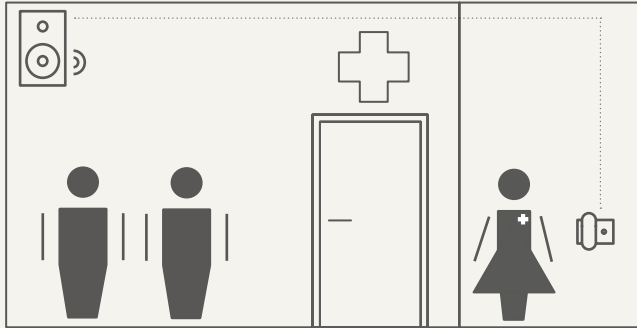
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Seamless compatibility with video management software (VMS) and IP PBXs using ONVIF and SIP protocols

---

Easy installation with a single cable (PoE)





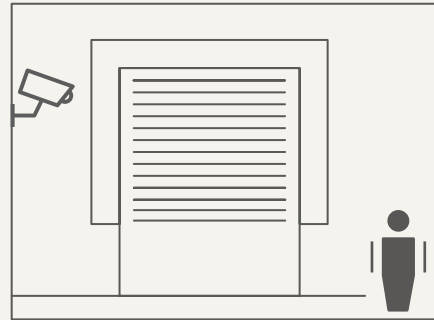
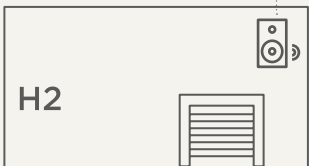
## DOCTOR'S WAITING ROOM

It lets you play live or pre-recorded messages from an IP connected telephone. A nurse can thus easily make "next please" announcements and the like, right into the waiting room.



## ANNOUNCEMENTS INTO PRODUCTION HALLS

Announcements into as many as 12 zones without having to install a server. You can broadcast specific content into individual zones or to the entire system.



## LIVE ANNOUNCEMENTS FROM THE VMS

In case an uninvited visitor gets in, you can immediately respond with a live or pre-set message directly from the VMS and swiftly put off an intruder.

# 2N® SIP Audio



## 2N® SIP Mic

SIP based paging console for live or preset announcements

---

Announcements up to 12 zones using multicast support

---

Remote control of Door locks (or any 3rd party device) using http supported commands

---

Easy installation with a single cable (PoE)



## 2N® SIP Audio Converter

SIP Audio to analogue audio converter

---

Seamless compatibility with video management software (VMS) and IP PBXs using ONVIF and SIP support

---

Broadcasting sounds from Cisco devices using Informacast support

---

Simple API for system integrators



# Ordering numbers, Accessories and other information

## 2N® Helios IP Verso

### Main unit



1 button

9155101C (with camera)  
9155101 (without camera)

### Extending modules



Touchscreen

9155036



Bluetooth module

9155046



Keypad

9155031



5 buttons

9155035



RFID card reader

9155032 (125kHz)  
9155033 (13,56MHz)



RFID card reader with NFC

9155040 (13,56MHz)  
9155042 (13,56MHz secure)



Induction loop

9155041



Blind module

9155039



Info panel

9155030



Tamper switch

9155038



I/O module

9155034



Wiegand module

9155037

### Frames



Flush installation 1 module

9155011



Flush installation 2 modules

9155012



Flush installation 3 modules

9155013



Surface installation 1 module

9155021



Surface installation 2 modules

9155022



Surface installation 3 modules

9155023

### Accessories

#### Boxes

Flush-mounting box for 1 module 9155014

Flush-mounting box for 2 modules 9155015

Flush-mounting box for 3 modules 9155016

#### Other

Extension cable - 1 m long 9155050

Extension cable - 3 m long 9155054

Extension cable - 5 m long 9155055

Blind button 9155051

Nametag foil 9155052

#### Backplates

Backplate - 1 module 9155061

Backplate - 2 modules 9155062

Backplate - 3 modules 9155063

Backplate - 2(w) x 2(h) modules 9155064

Backplate - 3(w) x 2(h) modules 9155065

Backplate - 2(w) x 3(h) modules 9155066

Backplate - 3(w) x 3(h) modules 9155067

## 2N® Helios IP Vario

Module with display    Basic module



6 buttons + keypad



1 button



3 buttons



6 buttons



1 button + keypad



3 buttons + keypad



6 buttons + keypad

With camera  
Without camera

9137160CKDU  
9137160KDU

9137111CU  
9137111U

9137131CU  
9137131U

9137161CU  
9137161U

9137111CKU  
9137111KU

9137131CKU  
9137131KU

9137161CKU  
9137161KU

## Extending modudules

8 button extender	9135181E
16 button extender	9135182E
Infopanel	9135310E

## Accessories

### Roofs and boxes

Roof for one module	9135331E
Roof for two modules	9135332E
Flush mount box for one module	9135351E
Flush mount box for two modules	9135352E
Roof and flush mount box for one module	9135361E
Roof and flush mount box for two modules	9135362E

### Other

Infopanel name plate	9135311E
Name plate	9135301E
Double button name plate	9135302E
RFID card reader 125 kHz	9137430E
Additional switch	9137310E

# Ordering numbers, Accessories and other information

## 2N® Helios IP Force



1 button



1 button keypad



4 buttons



2 buttons card reader ready



1 button + pictograms card reader ready

With HD camera 9151101CHW  
With camera 9151101CW  
Without camera 9151101W

9151101CHKW  
9151101CKW  
9151101KW

9151104CHW  
9151104CW  
9151104W

9151102CHRW  
9151102CRW  
9151102RW

9151101CHRPW  
9151101CRPW  
9151101RPW

## 2N® Helios IP Safety



2 buttons - Info and SOS 10W speaker



1 button 10W speaker



Red emergency button 10W speaker

9152102W

9152101W

9152101MW

## 2N® Helios IP Base



With camera black frame

9156111CB

## 2N® Helios IP Uni



1 button pictograms

9153101P



1 button

9153101



2 buttons

9153102

## Accessories

### Helios IP Force

125 kHz RFID card reader + tamper switch 9151011

13,56 MHz card reader NFC ready + tamper switch 9151017

Secured card reader NFC ready 13.56MHz 9151019

### Helios IP Force + Safety

Additional switch + tamper switch 9151010

Flush mount box 9151001

Flush mount box for mounting in plasterboard 9151002

### Helios IP Safety

Frame 9152000

### Helios IP Base

125kHz Card Reader 9156030

13,56MHz RFID Card Reader reads UID 9156031

Backplate 9156020

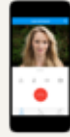
### Helios IP Uni

Box for wall mounting 9153003

## 2N® Indoor Touch 2N® Mobile Video

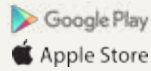


Black / White variant



Application available on

91378365 / 91378365WH  
91378366 (With WiFi) / 91378366WH (With WiFi)



## 2N® Access Unit



RFID



Bluetooth

916009 (125kHz)  
916010 (13,56MHz)

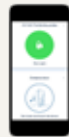
916013

## 2N® Access Commander 2N® Mobile Key

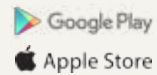


Application available on

[www.2n.cz](http://www.2n.cz)



Application available on



## Accessories

### Indoor Touch

Presentation stand

91378382

## License

### Indoor Touch

Unlocking license for uploading apps 91378390

### Access Commander

License for 5 devices 91379040

License for Attendance (+25 users) 91379041

LDAP license 91379042

### Access Unit

NFC License 916012

# Ordering numbers, Accessories and other information

## 2N® Net Audio



2N® Net Audio Decoder

914010E



2N® Net Audio Decoder Lite

914013E



2N® Net Audio Encoder

914075E



2N® Net Speaker Ceiling

914031E (white)  
914036B (black)  
914035E (white + IR remote control support)



2N® Net Speaker Wall Mounted

914033W (white)  
914033B (black)



2N® Net Mic

914071E

## 2N® IP Audio Manager



914202E

with:

5x Net Audio device license + 1x RTP license  
2N® IP Audio Control panel  
2N® IP Audio Console  
2N® IP Audio Virtual Sound Card  
2N® IP Audio Web Scheduler

## License

2N® IP Audio Manager - 1x 2N Net Audio device license	914204E
2N® IP Audio Manager, 1x RTP license	914205E
2N® IP Audio Web Scheduler license	914206



## 2N® SIP Audio



2N® SIP Audio Converter

914401E  
914490E  
(set with speaker and microphone)



2N® SIP Speaker

914421B (white)  
914421W (black)



2N® SIP Speaker Horn

914422E



2N® SIP Mic

914431E

## Accessories

2N IP Audio Mounting set (2N® Net Audio Decoder, 2N® Net Audio Decoder Lite, 2N® SIP Audio Converter)	914105E
2N® Net Audio Encoder Rack mounting kit	914106E
2N® NetSpeaker IR Remote Controller (for 2N® Net Speaker, 2N® Net Audio Decoder a 2N® Net Audio Decoder Lite)	914107E
2N® Loud Speaker, wall mounted, black	914034B
2N® Loud Speaker, wall mounted, white	914034W
2N IP Audio Power Supply - EU plug	914102E
2N IP Audio Power Supply - UK plug	914102GB
2N IP Audio Power Supply - US plug	914102US
2N® SIP Speaker Horn Power Supply (24V EU plug)	914423E

## License

2N® SIP Audio + Helios IP Informacast license	9137910
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# Other Accessories

## Electrical strikes

Electrical strike 11211 12V/230mA DC	932071E
Electrical strike 11221 hold-open 12V/230mA DC	932081E
Electrical strike 11211MB mechanical blocking 12V/230mA DC	932091E
Electrical strike 31211 fail-safe 12V/170mA	932072E
Electrical strike 211211 door signalling 12V/230mA	932061E
Electrical strike 321211 fail-safe, door signalling 12V/170mA	932062E

## License

License for G.729	9137902
Enhanced Audio	9137905
Enhanced Video	9137906
Enhanced Integration	9137907
Enhanced Security	9137908
Gold	9137909
License Informacast	9137910
License NFC	9137915

## IP videophones

Grandstream GXV 3275	91378358
Grandstream GXV 3240	91378357

## RFID tags (for Verso, Vario and Force)

Card EMarine RFID 125 kHz	9134165E
Key EMarine RFID 125 kHz	9134166
Card Mifare RFID 13,56 MHz	9134173
Key Mifare RFID 13,56 MHz	9134174

## External card reader RFID

External card RFID 125 kHz EMarine	9137420E
External card RFID 13,56 MHz	9137421E
External card reader Wiegand 125 kHz EMarine RFID	9159030
External card reader Wiegand 13,56 MHz Mifare RFID	9159031

## Other

External antenna for Induction Loop module	9155043
2N* Helios IP Verso connection cable length 3m	9155054
2N* Helios IP Verso connection cable length 5m	9155055
2N* Helios IP Security Relay	9159010
2N* Helios IP Wiegand	9159011
2N* Induction Loop	9159050
External antenna	9159051
Power supply 12V/1A	9159052
2N* 2Wire (plug EU/US/UK)	9159014EU 9159014US a 9159014UK
Exit button	9159013
IP relay - 1 output	9137410E
IP relay - 4 output	9137411E
Magnetic contact	9159012
Power supply 12V/2A	91341481E
Transformer	932928
PoE Injector (EU/US plug)	91378100E a 91378100US



TELEPHONY



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