



OPEN THE DOOR TO INNOVATION

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





“For 25 years 2N has been on the forefront of access control and telecommunications. We take care to stay on the leading edge with our products, the R&D behind them, and the way we service our customers. We are proud of our growth on global markets and are now number one in IP Intercoms.”

„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.“



OLDŘICH STEJSKAL
Chief Executive Officer, Chairman of the Board, 2N



PETER LINDSTRÖM
Vice President New Business, Axis Communications



IP INTERCOM SYSTEMS

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

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ANSWERING UNITS

INDOOR TOUCH AND MOBILE VIDEO APPS

19



IP ACCESS CONTROL

ACCESS UNIT, ACCESS COMMANDER

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IP AUDIO SYSTEMS

IP AUDIO MANAGER, NET AUDIO & SIP AUDIO

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ACCESSORIES

SOFTWARE, ACCESSORIES AND ORDERING NUMBERS

39

2N® Helios IP Verso

Modular intercom
is configurable to meet your needs

Bluetooth technology ensures
access control to the facility

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

Wide-angle HD camera with
infrared night vision

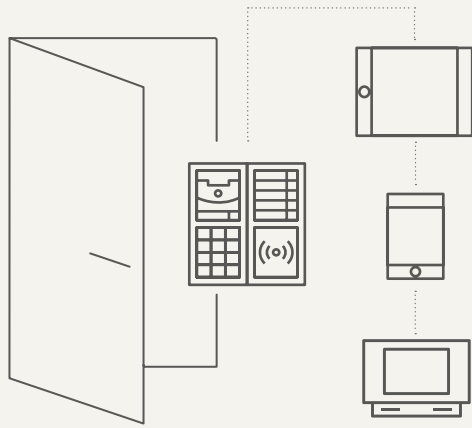


Easy integration with IP telephone
systems using SIP protocol support

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

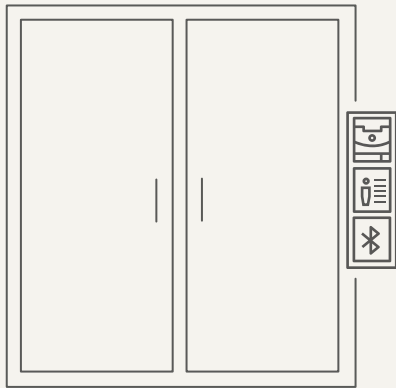
2N® Mobile Video calls on your
mobile phone

RFID smart card reader with NFC
support or Fingerprint reader module



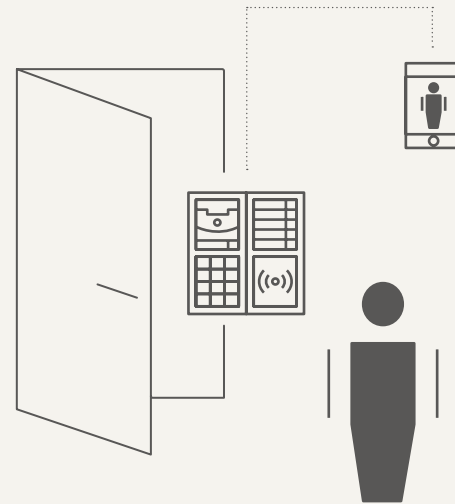
HD VIDEO

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

Wide-angle HD camera with infrared light and night vision

10W loudspeaker for excellent audibility in loud environments

Integration with IP camera systems through the ONVIF protocol



RFID smart card reader with NFC support and Wiegand interface

Highly durable aluminum housing with an antivandal construction

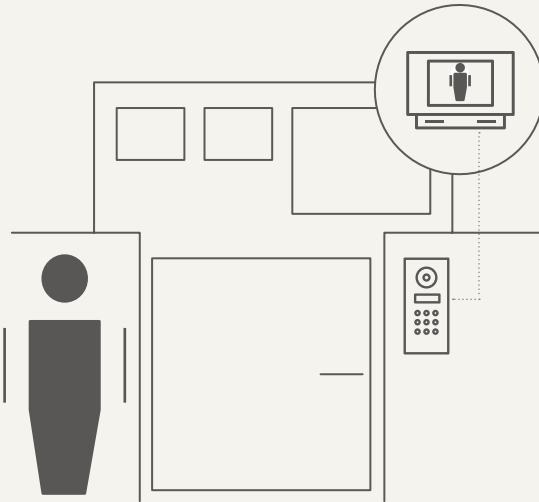
Video calls on your mobile phone thanks to 2N® Mobile Video

Easy integration with IP telephone systems thanks to SIP protocol support



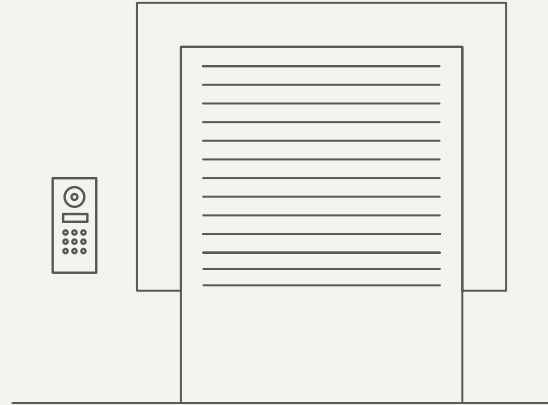
SCHOOL BUILDING SECURITY

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 Solo

Wide-angle HD camera with
infrared light and night vision

Easy integration with IP telephone
systems using SIP protocol support

Snapshot of the visitor to email

Tamper switch detecting
unauthorized device intrusions



Integration with Video
Surveillance System

2N® Mobile Video calls on your
mobile phone

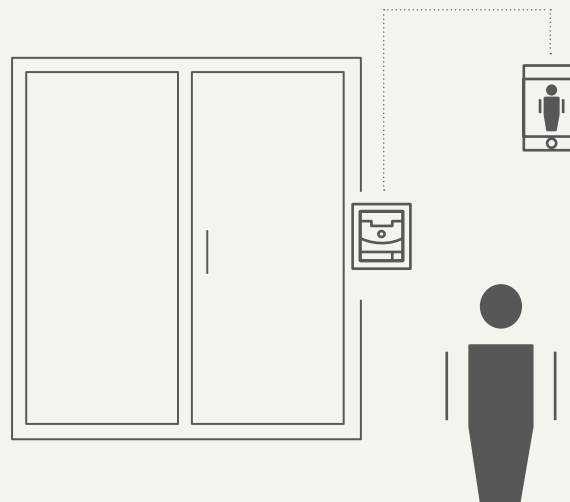
Easy integration into the home
automation system

Luxury IP intercom with flush
or wall mounting option



HOME AUTOMATION

Link the intercom to your home automation system via the open API.



NIGHT VISION

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



PICTURE TO EMAIL

When your visitor calls from the intercom, it sends you their snapshot to your email.

2N® Helios IP Base

Compact IP intercom
with wide-angle HD camera

Fast installation

Durable aluminum frame

Excellent audibility in all
conditions

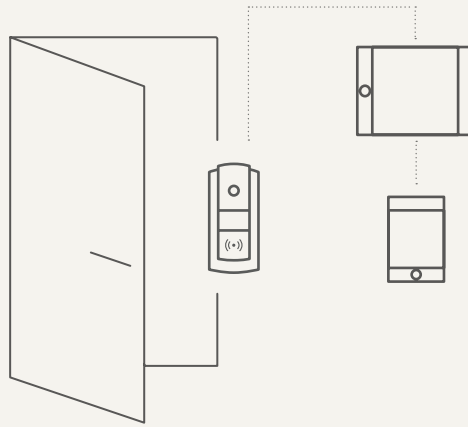


Inputs and outputs ready
for connecting an electric lock
or other equipment

Both one or two buttons
options included

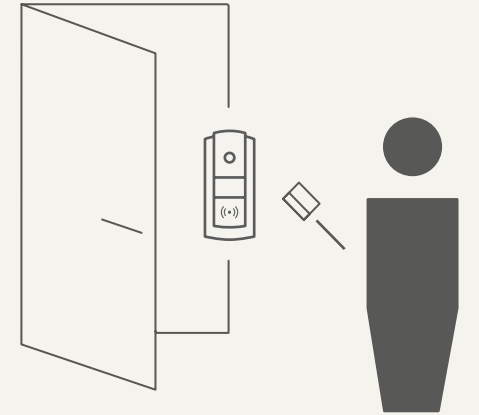
Basic model can be extended
with a 125 kHz or 13.56 MHz
RFID card reader module

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



VIDEO CALLS ON VARIOUS DEVICES

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



ACCESS CONTROL SYSTEM

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

Easy integration with IP camera systems and access control systems

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

Snapshot of the visitor to email

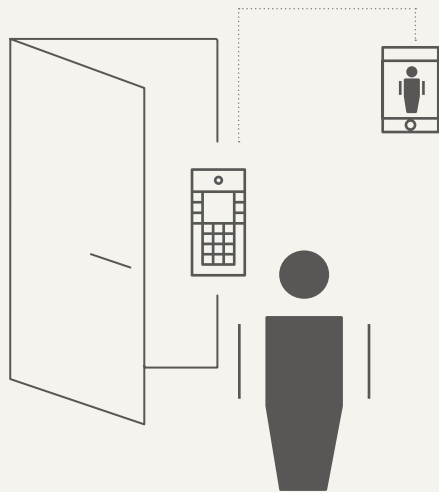


Buttons have an unlimited lifecycle

Easy integration with IP telephone systems thanks to SIP protocol support

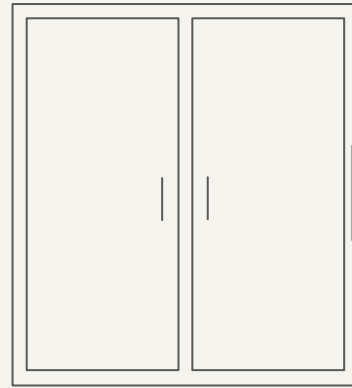
Video calls on your mobile phone using 2N® Mobile Video App

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



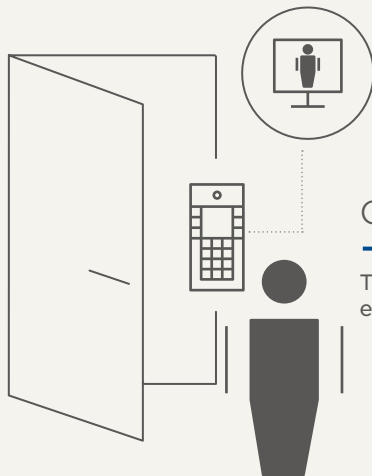
VISITOR'S IMAGE ON YOUR PHONE

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

Distinctive orange color, easily recognizable in emergency situations

10W loudspeaker for good audibility in loud environments

Easy integration with IP telephone systems using SIP protocol support

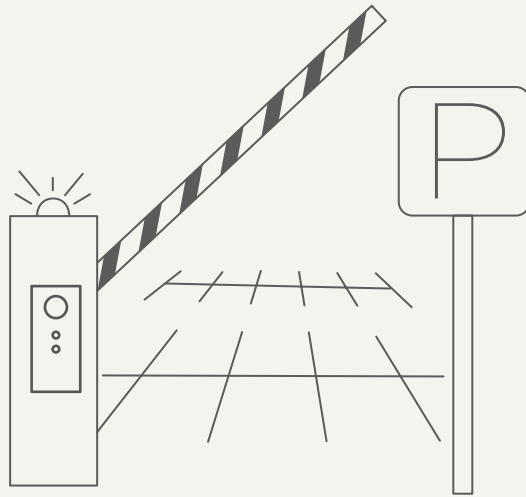


Integrates with external IP cameras for video calls

Durable buttons distinctively backlit in blue

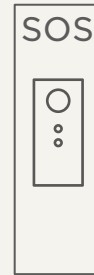
Highly durable aluminum housing with an antivandal construction

Tamper switch detecting unauthorized device intrusions



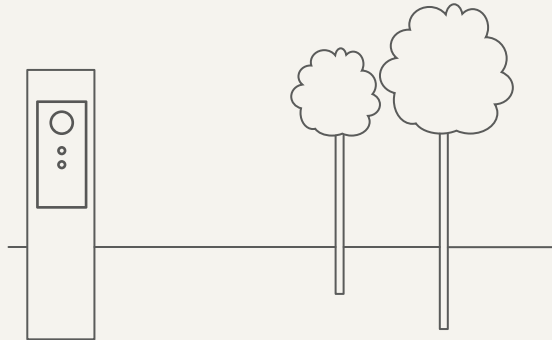
HIGHLY VISIBLE ASSISTANT AT PARKING LOTS

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



SOS POINT

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

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

2N® Helios IP Uni

Designed for easy installation

Durable stainless steel cover
suitable for outdoor application

Output for lock control

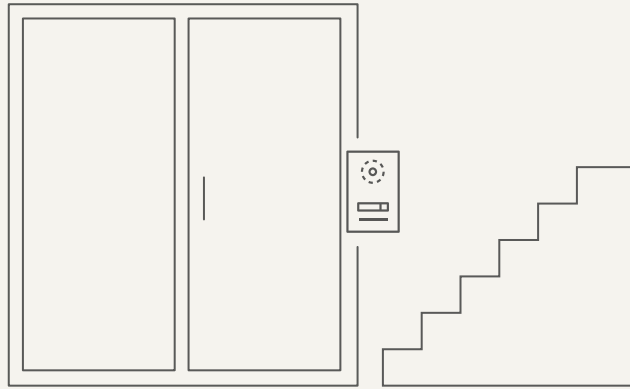


Pictograms signalling the status
of the intercom

Tamper switch

Easy integration with IP telephone
systems using SIP protocol
support



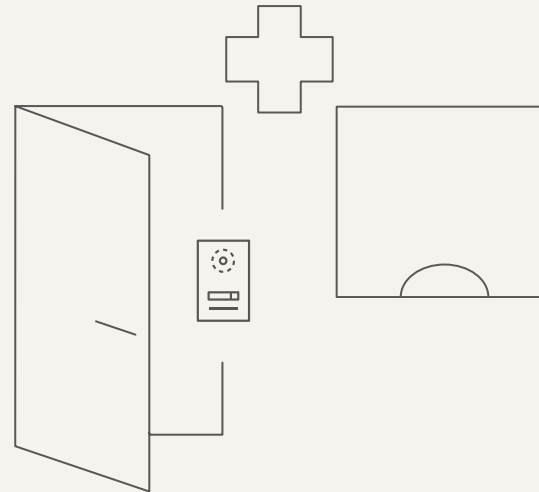


EASY COMMUNICATION IN OFFICES

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

INTERCOM FOR PHARMACIES WITH NIGHT WORK HOURS

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







2N[®] Indoor Touch

Luxury design
and high-tech processing

7" touch screen

Audio and video
communication in HD quality

Video monitoring of 2N IP
intercoms



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

Easy installation and remote
administration in large
residential apartments

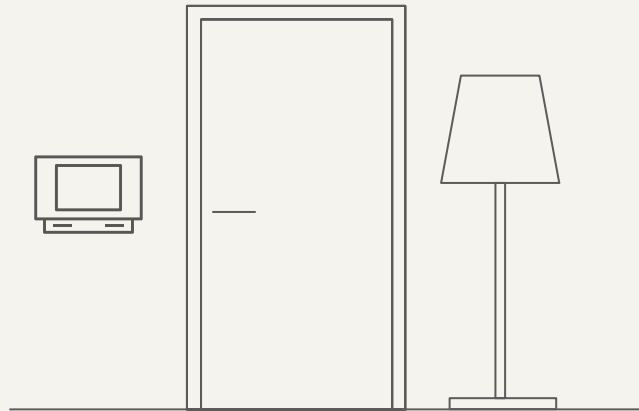
Home automation integration
using OS Android support

Support of doorbell button
by the apartment or house
entrance



RESIDENTIAL BUILDING

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



STYLISH ACCOMMODATION

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® Mobile Video

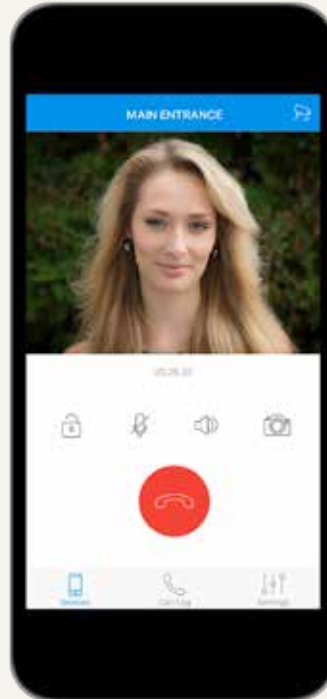
Video calls on your mobile phone

Accept the call anywhere
in the world over the internet

Building entrance monitoring

Open the door remotely

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

Calling on more devices like
2N® Indoor Touch or IP telephone

Call on more devices at once



2N® Access Unit Bluetooth

Double identification support
for top security sites

Customisable communication
distance

High level of security - encrypted
communication

Both iOS and Android applications
available



2N® Access Unit RFID

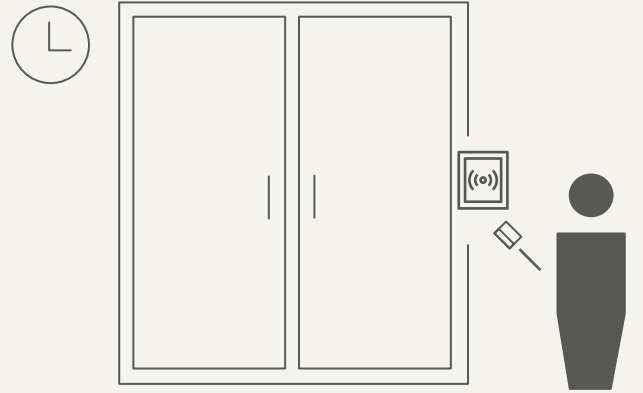
Version with 125 kHz reader - works
with EMarine and Proximity cards

Version with 13.56MHz
reader - works with Mifare,
DesFire, HID iClass and other

Possibility to open doors using
a smartphone supporting NFC

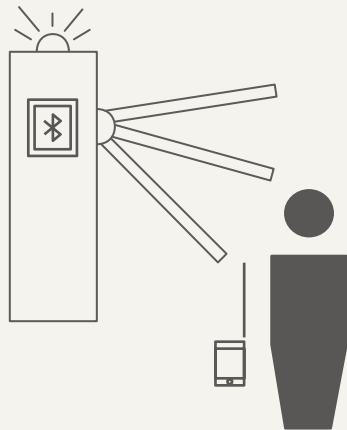
Connection of touch keypad
or fingerprint reader for double
identification available

**Frames for Access Units are also available in black.*



ATTENDANCE SYSTEM

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



ACCESS VIA SMARTPHONE

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® Access Unit Touch keypad

Highly sensitive touch keypad

Backlight intensity adjustment

Acoustic signal output as a touch feedback

Silent alarm function

Water tolerance
(doesn't detect false touch)



2N® Access Unit Fingerprint reader

Highly secure and comfortable
identification method

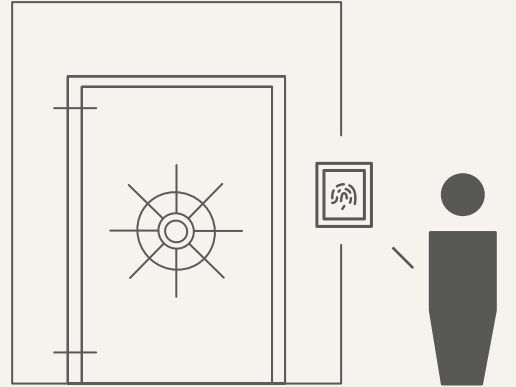
Fast matching speed

Optical sensor suitable
for outdoor use

Algorithm for spoof fingerprints
detection

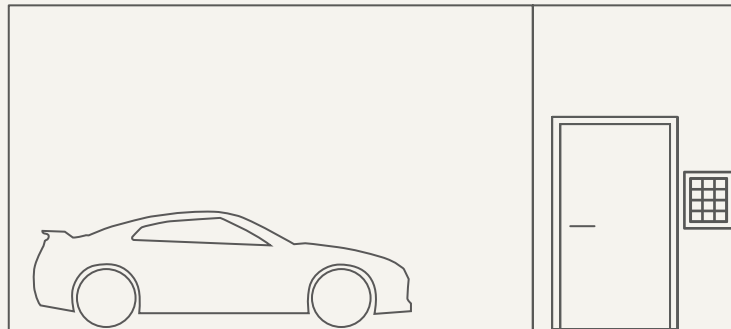
Recognizes even wet fingers

**Frames for Access Units are also available in black.*



TOP SECURITY GUARANTEED

Use the fingerprint reader for places such as banks or labs where the security is crucial.



PROTECT THE ACCESS TO GARAGE

Protect your garage or parking lot in the office building and allow access only to those, who have their own access PIN code.

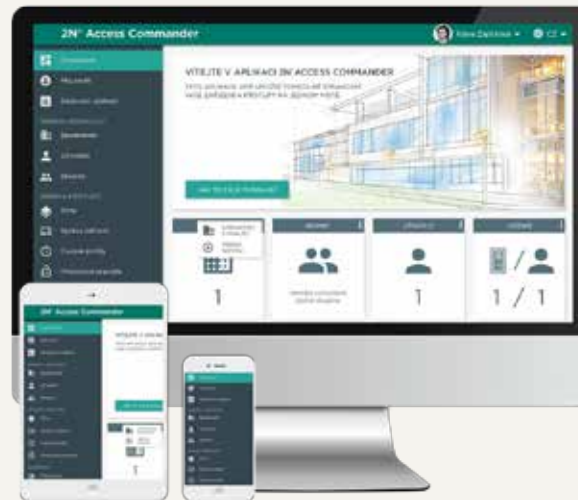
2N® Access Commander

Software for access control system configuration and administration

Access via a web interface

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

Attendance system for work time evidence

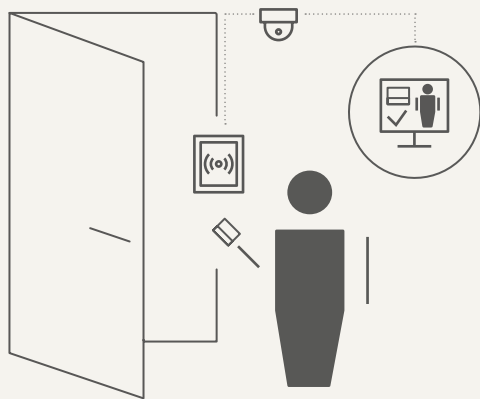


Bulk configuration of 2N Helios IP intercoms and access units from one place

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

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





2N[®] IP Audio Manager

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

Creates audio streams through an IP network into different destinations

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 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



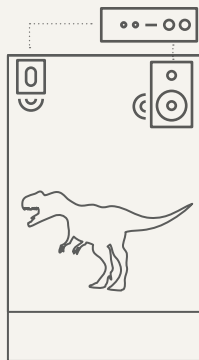
2N® Net Audio Encoder

Analogue to IP audio converter

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



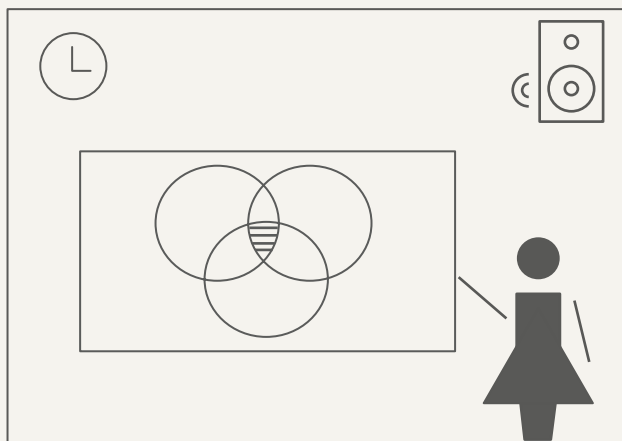
AUDIO THROUGHOUT THE AMUSEMENT PARK

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)



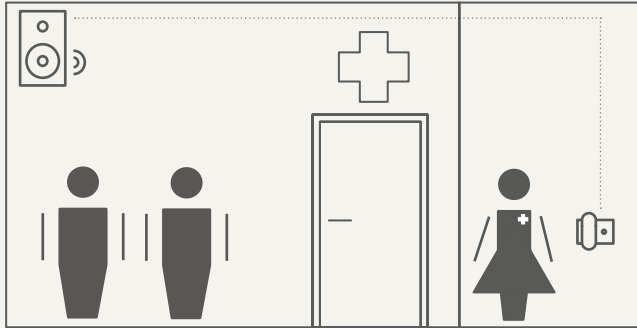
2N® SIP Speaker Horn

Outdoor IP speaker for live and preset announcements across large areas

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

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

Easy installation with a single cable (PoE)



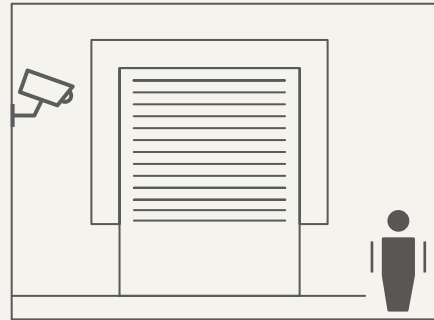
DOCTOR'S WAITING ROOM

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

9155101CB (with camera)
9155101B (without camera)
9155101C (with camera)
9155101 (without camera)

Extending modules



Touchscreen

9155036



Bluetooth

9155046



Fingerprint reader

9155045



Touch keypad

9155047



Keypad

9155031B
9155031



5 buttons

9155035



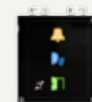
RFID card reader

9155032 (125kHz)
9155033 (13.56MHz)



RFID card reader with NFC

9155040 (13.56MHz)
9155042 (13.56MHz secure)



Induction loop

9155041



Blind

9155039



Info panel

9155030



Tamper switch

9155038



I/O

9155034



Wiegand

9155037

Frames



Flush installation
1 module

9155011B
9155011



Flush installation
2 modules

9155012B
9155012



Flush installation
3 modules

9155013B
9155013



Surface installation
1 module

9155021B
9155021



Surface installation
2 modules

9155022B
9155022



Surface installation
3 modules

9155023B
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 Solo



9155301CS - surface mount
9155301CF - flush mount

9155301CBS - surface mount
9155301CBF - flush mount

2N® Helios IP Vario

Module with display



6 buttons + keypad

9137160CKDU
9137160KDU

Basic module



1 button

9137111CU
9137111U



3 buttons

9137131CU
9137131U



6 buttons

9137161CU
9137161U



1 button + keypad

9137111CKU
9137111KU



3 buttons + keypad

9137131CKU
9137131KU



6 buttons + keypad

9137161CKU
9137161KU

Accessories

Flush-mounting box	9155017
Backplate	9155068

Extending modules

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

Accessories

Roofs and boxes		Other	
Roof for one module	9135331E	Infopanel name plate	9135311E
Roof for two modules	9135332E	Name plate	9135301E
Flush mount box for one module	9135351E	Double button name plate	9135302E
Flush mount box for two modules	9135352E	RFID card reader 125 kHz	9137430E
Roof and flush mount box for one module	9135361E	Additional switch	9137310E
Roof and flush mount box for two modules	9135362E		

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

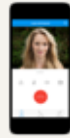
Box for wall mounting 9153003

2N® Indoor Touch 2N® Mobile Video

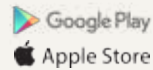


Black / White variant

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



Application available on



2N® Access Unit



RFID

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



Bluetooth

916013



Fingerprint reader

916019



Touch keypad

916016

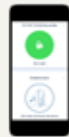
**Frames for Access Units are also available in black.*

2N® Access Commander 2N® Mobile Key

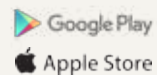


Application available on

www.2n.cz



Application available on



Accessories

Indoor Touch

Presentation stand 91378382

Access Unit

external RFID reader 125kHz EMarine (USB interface) 9137420E

external RFID reader 13.56MHz + 125kHz (USB interface) 9137421E

external Bluetooth reader (USB interface) 9137422E

external fingerprint reader (USB interface) 9137423E

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

● Black version
● Nickel version

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



ACCESS CONTROL



VIDEO MANAGEMENT SYSTEMS



HOME AUTOMATION



AVAYA

Alcatel-Lucent

Skype for Business



nedap

United Technologies



milestone

Genetec

OnSSI

exacq

Control4

CRESTRON

AMX

SAVANT

SIP

WIEGAND

ONVIF S

SIP AND HTTP(S)
API

COMPATIBILITY WITH GLOBAL TECHNOLOGY PARTNERS



2N TELEKOMUNIKACE a.s.