



2N® IP Verso 2.0

The world's most modular intercom now with a Full HD camera

The second generation of the world's best-selling IP intercom boasts a wide-angle, Full HD camera and a new ARTPEC-7 processor that powers advanced features such as QR code reading. Enjoy unparalleled modularity, superb image quality and a wide variety of access methods.

Exceptional colour, unbeatable clarity

Sun shining behind the visitor? The new Full HD camera with the WDR-capable lens can deal with that. Low light? The 2N® IP Verso 2.0 maintains full image colour even minutes before total darkness.

Customisable to project's needs

Build the 2N® IP Verso 2.0 according to the customer's needs. It comes in either nickel or black finish, and allows you to combine 20 different modules to make up a truly unique intercom.

Highly durable chassis

The new chassis, made of durable anodised aluminium, is super strong and will hold its shape perfectly during installation, even on uneven surfaces, without a single dent.

Mobile access & QR code reading

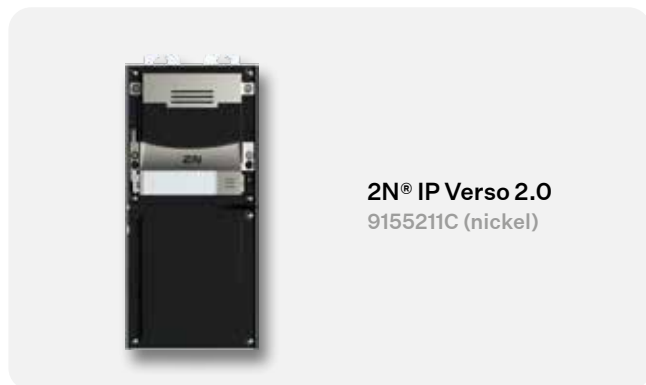
Besides the classic access methods PIN and RFID, the intercom also offers fast and reliable mobile access powered by WaveKey, and now QR codes, too! Great for one-off credentials.

Adaptive Face Zooming

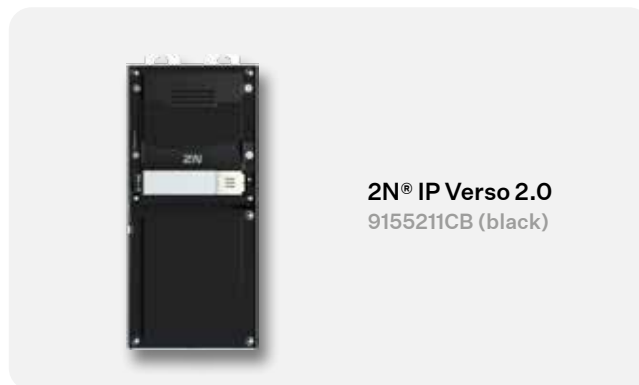
Enhance security and give users a clearer image of who's at the door! The 2N® IP Verso 2.0's wide-angle camera can now automatically zoom in on faces

Three installation options

Choose the installation method that fits your project best. Install 2N® IP Verso 2.0 on the wall, flush mounted or on glass.



2N® IP Verso 2.0
9155211C (nickel)



2N® IP Verso 2.0
9155211CB (black)

Technical parameters

Power supply

| | |
|------|---------------------------|
| Type | PoE and/or 12 V/1 A DC |
| PoE | 802.3af (Class 0–12.95 W) |

Interfaces

| | |
|----------------------|--|
| LAN | 10/100BASE-TX with Auto-MDIX, RJ-45 jack |
| Recommended cabling | Cat-5e or better |
| Active switch output | 8 to 12 V DC/max 400 mA |
| Passive switch | NO/NC contacts, up to 30 V/1 A AC/DC |
| Inputs | 1 input - in passive/active mode (-30 V to +30 V DC) OFF = open or Uin > 1.5 V ON = short-circuit or Uin < 1.5 V |

Signalling protocol

| | |
|---------------------|--|
| SIP (UDP, TCP, TLS) | |
|---------------------|--|

Audio

| | |
|--------------------------------|---|
| Microphone | 1 integrated microphone |
| Amplifier | 5 W (Class D) amplifier |
| Speaker | 2 W / 8 Ω |
| Sound Pressure Level (SPL max) | 78 dB (for 1 kHz at 1 m) |
| LINE OUT | 1 VRMS / 600 Ω |
| Volume control | adjustable with automatic adaptive mode |
| Full duplex | Yes (AEC) |
| Audio output | 1,9 W |
| Protocols | RTP/SRTP |
| Codecs | G.711, G.729, G.722, L16/16kHz |

Camera & video

| | |
|----------------------|--|
| Sensor | 1/2.7" colour CMOS |
| Focal length | 1.9 mm |
| Max. view angle | 138° (H), 105° (V) |
| Infrared light | yes |
| WDR | yes |
| Minimal illumination | 0,8 lux without IR illumination |
| Protocols | RTP/RTSP/RTCP/HTTP, ONVIF v2.4 profile S |
| Codecs | MJPEG, H.264, H.265, Zipstream |
| Resolution | max. Full HD (1920 x 1080) |
| Frame rate | max. 30 fps |

Mobile Application Support

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|---|--|
| Android 6.0 and higher, iOS 12.0 and higher | |
|---|--|

Bluetooth Reader

| | |
|---|--|
| Version | compatible with Bluetooth 5.0 (BLE) |
| Range | (short - typically up to 3m*, long - typically up to 10m*) |
| *distances should serve only as an approximate guide and may vary depending on the phone model and installation environment | |
| Security | RSA-1024 and AES-128 encryption |
| RX sensitivity | up to -93 dBm |
| Mode | touch, tap in app, card, motion |

RFID Card Reader

| | |
|-----------------------|---|
| Supported frequencies | 125 kHz variant 13.56 MHz variant 125 kHz and 13.56 MHz variant |
| Supported card types | card type compatibility depends on Order No. |

| | |
|-------------------|--|
| 125 kHz | EM4xxx |
| 13.56 MHz | ISO14443A, PicoPass (HID iClass), FeliCa, ST SR(IX), NFC (2N® Mobile Key) HID Prox – versions with 125 kHz support and S in Order No. Only reads UID (CSN) and secured MIFARE® DESFire® EV2/EV3 cards using 2N® PICard technology |
| Secured 13.56 MHz | ISO14443A (MIFARE® DESFire®), PicoPass (HID iClass), FeliCa, ST SR(IX), NFC (2N® Mobile Key), HID SE (Seos, iClass, MIFARE SE) reads secured MIFARE® DESFire® EV2/EV3 cards using 2N® PICard technology reads PACs ID (HID iClass cards with SIO object) |

Touch Keypad

| | |
|-------------|---|
| Technology | capacitive touch layer (sensitivity 0,1 pF) |
| Reliability | regular automatic calibration (SmartSense Auto-tuning) does not detect false touches on wet surface |
| Signalling | configurable backlight intensity indication using multicoloured LEDs acoustic response for every keypad touch |

Fingerprint Reader

| | |
|---------------|---|
| Sensor | optical sensor protected by resistant glass |
| Reliability | algorithm for fake fingerprint detection |
| Resistance | resistant to water and dust |
| Signalling | acoustic and multicoloured LEDs |
| Sensing area | large with dimensions of 15.24 x 20.32 mm |
| Certification | certified according to FBI standard |

Mechanical Properties

| | |
|-----------------------------|---|
| Frame (cover) | robust zinc cast frame with surface finish (nickel and black color) |
| Operating temperature | -40°C to +60°C (Fingerprint Reader module -20°C to +55°C) |
| Storage temperature | -40°C to +70°C |
| Operating relative humidity | 10%-95% (non-condensing) |
| Weight | 2 kg |
| Cover rating | IP54 and IK08 |

Surface mounting frame – dimensions

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|-----------|-------------------------------|
| 1 module | 107 (W) x 130 (H) x 28 (D) mm |
| 2 modules | 107 (W) x 234 (H) x 28 (D) mm |
| 3 modules | 107 (W) x 339 (H) x 28 (D) mm |

Flush mounting frame – dimensions

| | |
|-----------|------------------------------|
| 1 module | 130 (W) x 153 (H) x 5 (D) mm |
| 2 modules | 130 (W) x 257 (H) x 5 (D) mm |
| 3 modules | 130 (W) x 361 (H) x 5 (D) mm |

Flush mounting box (minimum hole dimensions)

| | |
|-----------|-------------------------------|
| 1 module | 108 (W) x 131 (H) x 45 (D) mm |
| 2 modules | 108 (W) x 238 (H) x 45 (D) mm |
| 3 modules | 108 (W) x 343 (H) x 45 (D) mm |

Warranty

5-years warranty see https://www.2n.com/en_GB/support/warranty-and-repairs