eyeLock®

Our vision for your secure world.

nano EXT™

The Most ADVANCED Outdoor Iris
Identity Authentication Solution For
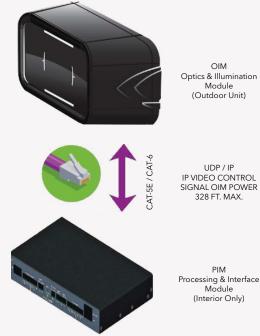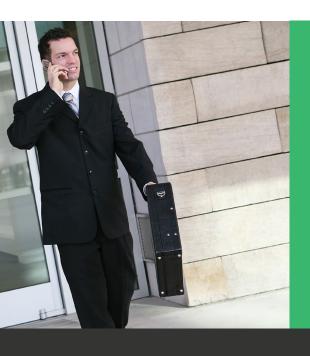EXTREME CONDITIONS.

REAL SECURITY COMES OUTSIDE TO PLAY.

EyeLock uses video based technology to look at more than 240 unique characteristics in each iris. In real time, EyeLock's proprietary algorithm converts the characteristics to a code that is unique only to you. The code is encrypted—this is your unique template. Each time the user looks at an EyeLock product, an EyeLock algorithm matches the newly created template to the existing template in just seconds. The EyeLock platform has been developed to adhere to a specific chain of provenance in order to authenticate. EyeLock's algorithm first establishes liveness, then initiates the process of authentication.

OIM
Optics & Illumination Module
(Outdoor Unit)

CAT-5E / CAT-6

UDP / IP
IP VIDEO CONTROL
SIGNAL OIM POWER
328 FT. MAX.

PIM
Processing & Interface Module
(Interior Only)

Unlike other biometric and card-based control solutions, EyeLock's nano EXT identifies people in real-time, in-motion and at-a-distance, in both indoor and outdoor locations. The nano EXT allows you to move people through doors or checkpoints at a rate of up to 20 people per minute without delays or backups. The device is designed to operate in direct sunlight, snow or rain and temperatures between -40C and 66C. The device's sleek unobtrusive design is network-compatible, making installation simple, and since the nano EXT both enrolls and identifies, you don't need any additional equipment. The nano EXT features auto-height adjustment to allow simple interaction regardless of the user height. With no cards, fobs or keys to replace or upgrade, and no risk of loss or theft, iris technology makes credential management incredibly easy and cost-effective.

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EXTreme Security For EXTreme Conditions.

FEATURES

- Auto Height Adjustment
- IP67 (Water / Dust Resistance) & IK10 (Vandal Resistance)
- Works in all lighting conditions including direct sunlight
- Modular design with separate indoor and outdoor units
- FAR (False Accept Rate) of up to 1 in 1.5M (single eye)
- Secure communication and encryption (AES 256)
- Wiegand, F2F, OSDP with Secure Channel Protocol and PAC
- Integrations with top access control platforms to simplify user and device management
- IEEE 802.1X network authentication
- Browser based configuration

- Option to store template:
  - On device (20,000 users)
  - On server (1,000,000+ users)
  - EV1/EV2 smartcard (1 user per card)
  - Mobile (1 user per phone / tablet)
- Two or three factor authentication (requires 3rd party card/PIN reader)*
- Tamper detection
- SDK available:
  - C# (.NET)
  - C / C++
  - Java

SPECIFICATIONS

OIM Dimensions (W x H x D):	10.0" (253.86 mm) x 6.14" (156.07 mm) x 3.60" (91.49 mm)
PIM Dimensions (W x H x D):	89.24" (209.32 mm) x 9.03" (229.41 mm) x 1.55" (39.57 mm)
OIM Weight:	7 lbs (3.17 kg)
PIM Weight:	2 lbs (0.90 kg)
Power Input / Consumption:	12-24 VDC (17 W Max)
Standoff Distance:	16.0" – 32.0" (40.64 cm – 81.28 cm)
Vertical Capture Range:	30" (73.66 cm)
Horizontal Capture Range:	7" (17.78 cm)
Mounting Height:	54.0" (137.16 cm)
Operating Temperature:	-40°F - 150°F (-40°C - 66°C)
Humidity:	Up to 100% condensing
Communications:	Ethernet (LAN, WAN) 10/100Mbps Full Duplex
Inputs:	1 data port (Wiegand, F2F, OSDP and PAC)
Outputs:	1 data port (Wiegand, F2F, OSDP and PAC), 2 relays (30 VDC @ 4 A, Grant / Deny)
External Card Reader Power Output:	5 - 12 VDC (200 mA max)
Mounting:	1-Gang or 2-Gang Back Box
Compliance:	UL-294, ULC-S319, CE, FCC**

SURFACE MOUNT BOX
(N-EXT-BOX-STD)

Dimensions:
Width: 10.5" (266.7 mm)
Height: 6.8" (172.72 mm)
Depth: 2.3" (58.42 mm)

RACK MOUNT TRAY
(N-EXT-BOX-TRA)

Dimensions:
Width: 19.0" (482.60 mm)
Height: 1.7" (43.18 mm)
Depth: 12.4" (314.96 mm)

SINGLE GANG PORTABLE TEMPLATE READER
(N-NXT-PT-S)

- Communication to NXT via RS-485
- 13.56MHz and Bluetooth LE

MULLION PORTABLE TEMPLATE READER
(N-NXT-PT-M)

- Communication to NXT via RS-485
- 13.56MHz and Bluetooth LE

DESKTOP PORTABLE TEMPLATE READER/WRITER
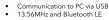(N-NXT-PT-D)

- Communication to PC via USB
- 13.56MHz and Bluetooth LE

MYRIS HAND HELD USB IRIS ENROLLMENT DEVICE
(M)

- Communication to PC via USB