eyeLock®

HIGH SECURITY MADE SIMPLE

IRIS AUTHENTICATION IS HIGHLY SECURE BECAUSE NO TWO IRISES ARE ALIKE AND THE IRIS IS THE MOST ACCURATE HUMAN IDENTIFIER OTHER THAN DNA.

SPEED + SECURITY + HYGIENIC + CONVENIENT

ACQUIRE

EyeLock utilizes video-based technology to acquire iris images.

- Liveness detection based on analysis of multiple frames (20 fps).
- Simple and repeatable user interaction.
- Users can be in-motion

AUTHENTICATE

Images are converted to an EyeLock ID™ using EyeLock's proprietary algorithm.

- User's EyeLock ID™ are matched with reference templates which can be stored on the device, on a server, on a smart card or on a mobile device.
- Matching occurs in less than 2 seconds.
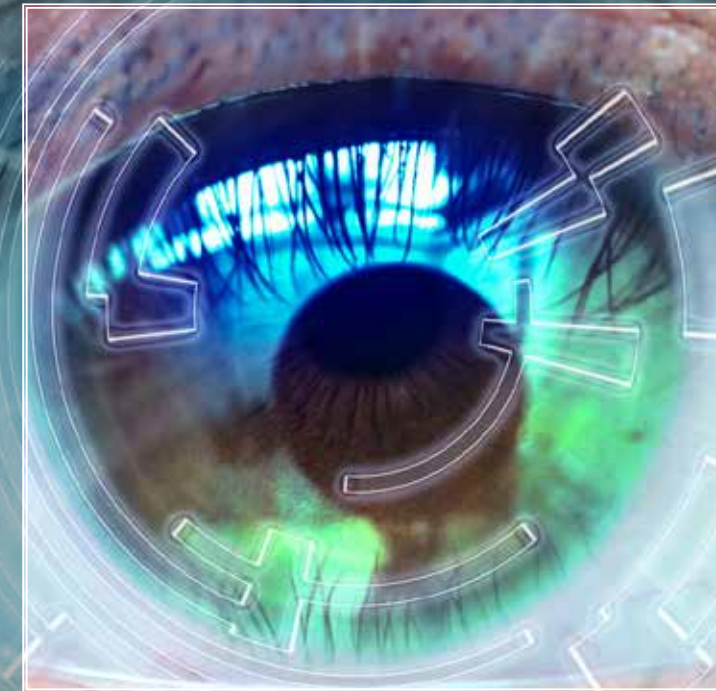- False Accept Rate (FAR) up to 1:2.25 Trillion.

AUTHORIZE

Can send a users authenticated identity to 3rd party systems for final authorization

- Physical access control interface via Wiegand, F2F, OSDP or relays.
- Logical access control interface via Directory
- Custom TCP/IP interface via SDK

EYELOCK'S ACCESS CONTROL SOLUTIONS

ADVANCED IRIS AUTHENTICATION TECHNOLOGY   FOR BUSINESS, GOVERNMENT AND CONSUMERS

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HIGH SECURITY MADE SIMPLE

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.

WATCH HOW IT WORKS

Advanced • Efficient • Cost-effective
nano NXT® puts the future of access technology in reach.

nano NXT

FEATURES

- 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
- 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)
- Power Over Ethernet

- IEEE 802.1X network authentication
- Two or three factor authentication (requires 3rd party card/PIN reader)*
- Browser based configuration
- Tamper detection
- Easy interfaces to access control/time & attendance systems (Wiegand, F2F, OSDP and PAC)
- SDK available:
  - C# (.NET)
  - C / C++
  - Java

SPECIFICATIONS

Dimensions (W x H x D):	8.0" (20.34 cm) x 5.0" (12.71 cm) x 2.81" (7.14 cm)
Weight:	3 lbs (1.36 kg)
Power Input / Consumption:	PoE (IEEE 802.3af) 7.5 W or 12-24 VDC (13 W Max)
Standoff Distance:	12.0" (30.48 cm)
Vertical Capture Range:	5.2" (13.20 cm)
Horizontal Capture Range:	6.5" (16.51 cm)
Mounting Height:	54.0" (137.16 cm)
Operating Temperature:	32°F-104°F (0°C-40°C)
Humidity:	Up to 85% non-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:	2-Gang Back Box
Compliance:	UL-294, ULC-S319, CE, FCC

nano NXT®- the next generation of EyeLock's revolutionary access control solutions.

nano NXT® renders all other access control peripherals obsolete by revolutionizing how identities are protected, authenticated, and managed. With a sleek low profile and powerful capabilities, the **nano NXT®** redefines the future of access control. An optional SDK is available to customers who want to customize their security solutions to integrate seamlessly with existing applications. The **nano NXT®** authenticates up to 20 people per minute, in-motion and at-a-distance with unparalleled accuracy. **nano NXT®** can be used in a variety of environments including commercial/enterprise, corrections, data centers, education, financial services, government, healthcare facilities and hospitality.

ACCESSORIES

eyeLock®
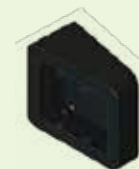
URFACE MOUNT BOX (N-NXT-BOX-STD)

Dimensions:
Width: 6.4" (163.26 mm)
Height: 5.0" (129.14 mm)
Depth: 1.4" (37.60 mm)

ANGLED MOUNT BOX (N-NXT-BOX-ANG)

Dimensions:
Width: 6.3" (162.54 mm)
Height: 5.0" (129.14 mm)
Depth: 4.5" (115.90 mm)

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

- 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

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

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

*NOT INCLUDED.