

Upgrade Gate Security with Facial Recognition

NeoFace Access Control



“NeoFace Access Control” provides the fastest and most accurate facial recognition technology for security gates.

NeoFace Access Control is all-in-one device with necessary hardware and software for facial recognition.

The built-in camera captures face and quickly matches with image stored in the database, providing smooth access.



Simple Installation of Facial Recognition

The all-in-one design allows to integrate facial recognition technology with security gates without the need to procure and set up components individually.

Walk-through Facial Recognition

NeoFace Access Control leverages the face matching algorithm which achieved 1st place in the face recognition technology benchmark performed by U.S. national institute (NIST-FIVE*). For this product, the face recognition engine has been optimized to achieve higher speed for walk-through authentication.

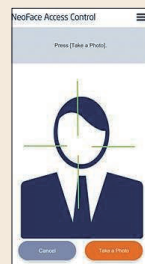


*The U.S. National Institute of Standard and Technology Face in Video Evaluation - 2017
<https://nvlpubs.nist.gov/nistpubs/ir/2017/NIST.IR.8173.pdf>

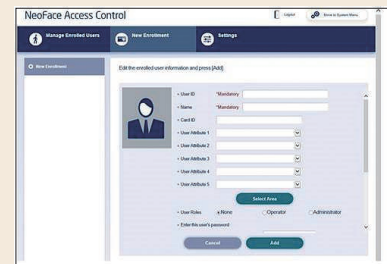
Simple Enrollment

Facial images are enrolled by using device’s built-in camera or uploading JPEG files via WebUI.

User’s profile information can be registered by using the device touchscreen or WebUI menu.



Touchscreen



WebUI

Two factor authentication

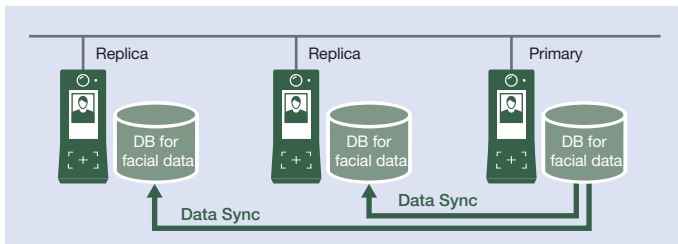
By having two-factor authentication (ID card and facial recognition), you can prevent unauthorized accesses by spoofing.

Interfaces

Interfaces for digital output, LAN, display are provided. With the digital output interface, it can directly control security gates. Furthermore, extra system integration such as user enrollment from existing external system and sending authentication result are available.

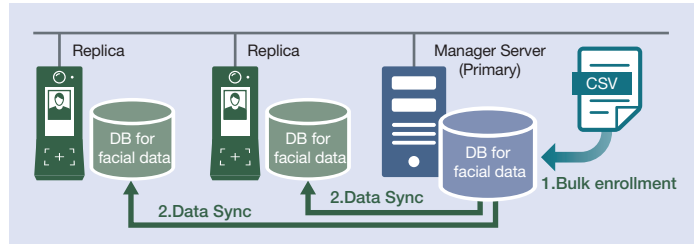
Data Synchronization

When connected over the network (LAN), the database information is automatically synchronized across multiple NeoFace Access Control devices.



Bulk Enrollment by NeoFace Access Control Manager

NeoFace Access Control Manager (optional software running on a management server), allows to enroll user's information in bulk, consolidate authentication logs and configure large scale environment with more than 6 NeoFace Access Control devices.



Dust / Water Proof

The device is IP54* compliant. It can be installed at places where dust / water splash may occur.

*Protected from limited dust ingress and protected from water spray from all direction (with limited ingress protection).

Product Specification



Device Specification

Item	NeoFace Access Control	
Built-in LCD	Size	7 inches TFT Liquid-crystal color display
	Resolution	Up to 1920 x 1080
Input	Built-in camera	1.2 million pixels
	Pointing device	Touchscreen (Capacitance type)
Sound	Monaural speaker (built-in)	
Built-in card reader	Type-A (Mifare), FeliCa	
Interface	LAN	x2 (1000BASE-T / 100BASE-TX / 10BASE-T) (LAN2 is reserved).
	USB	USB3.0 x2
	Serial	RS485 serial connector (reserved)
	Display	Display Port x1
	Digital I/O	Input x4 (reserved), Output x4 (1 port is for unlocking)
External dimensions (W * D * H)	150 x 120 x 380 mm (not including IC card reader part)	150 x 153 x 380 mm (including IC card reader part)
Weight	Approx. 7.0 kg	
Power supply	Use AC adaptor (option): from AC 100V to 240V±10% 50/60 Hz±3Hz DC power supply: from DC 9V to 30V from 8.9A to 2.7A	
Power consumption (maximum)	48W	
Dust-proof and water-proof	IP54	
Temperature / humidity condition	In operation: from 5 to 45 degree / from 20 to 85% (no dew condensation) When saved: from -20 to 60 degree / from 5 to 95% (no dew condensation)	
Maximum number of enrollment	5,000 users (10,000 users with NeoFace Access Control Manager (optional software))	

Functional Specification

Item	NeoFace Access Control	
User enrollment	Facial photo enrollment	a) By device's built-in camera
		b) JPEG file upload via WebUI
		c) Bulk enrollment with photos (JPEG) from management server using NeoFace Access Control Manager software(option)
ID card registration	By device's built-in ID card reader	
Area management	Enable to manage areas per user	
Authentication	Methods	•Face only •Face and ID card (2 factors authentication) •ID card only
	Trigger (Face authentication)	•When an user approaches the camera (walk-through mode) •Tap the screen •Place ID card
Management function	Remote management	Web console

Product List

	Product	Notes
NeoFace Access Control Device	NeoFace Access Control	NeoFace Access Control device for stand-poles (with straight angled camera)
	NeoFace Access Control	NeoFace Access Control device for gates (with left angled camera)
Hardware Option	AC adaptor	AC adaptor

	Product	Notes
Software Option	NeoFace Access Control Manager	NeoFace Access Control Manager is required when: 1. More than 6 terminals are used. 2. More than 5,000 users (up to 10,000 users) are enrolled. 3. Bulk enrollment of users is needed. 4. Authentication logs of all terminals need to be consolidated.

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	Safety Precautions	Read the instruction manual carefully and thoroughly before using the device, and then use it correctly. Incorrect usage may cause fire, electric shock, injury, etc.
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