Walk-Through Face Recognition Solution
NOVAFACE-2N

"The Most Powerful Face Solution"

NOVAFACE-2N is a walk-through high-performance face recognition solution in which users are authenticated while walking naturally without any action for authentication. Using a deep learning face recognition algorithm, authentication is possible within one second, and accurate and fast authentication is possible even while wearing a mask. Authentication is possible at a distance of 0.4M to 2M, and the user can be easily recognized even from a distance through the automatic camera zoom-in.

Features

Digital Zoom Camera	Deep Learning Face Algorithm	50K Face Match within 1 sec
Fake Detection	Mask Detection	Store Up To 50K Face
Outdoor Mode (Max 50K Lux)	Mobile Card (NFC, BLE)	Low Light Mode

Applications

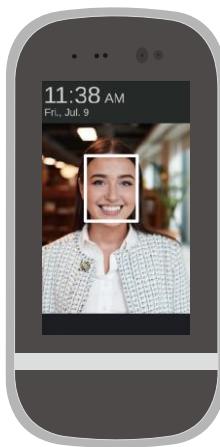| Time & Attendance	Access Control	ID Management	Facility Security	Thermal Detection

◖◗ Specifications

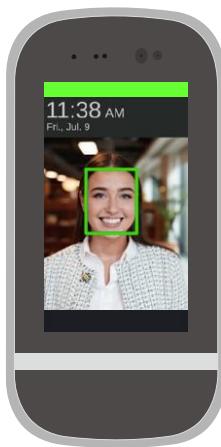| Type		NOVAFACE-2
General	CPU	Quad core ARM Cortex-A7 with, NPU
	LCD Type	5" LCD with Touch
	Sound IN/OUT	Embedded Microphone and Built-in Speaker
	Operating Temperature	-20℃ ~ 50℃
	Operating Humidity	10% ~ 90%
	Dimension (W x H x D)	100 x 200 x 36mm
	Weight	420g (Without Wall Mount Plate)
	Certification	CE, FCC, KC, UKCA
	PoE	Optional (IEEE 802.3af)
	Power Supply	Voltage: DC 15V / Elec. Current Max 1.2A
	Power Consumption	Max 12.5W
Credential	Biometrics	Face
	RF Card	ISO 14443 A/B, MiFare, DesFire, FeliCa
	HID iClass	Optional
Face	Algorithm	Included
	Recognition Distance	0.4 ~ 2M
	Recognition Height	1.4 ~ 2.1M (Installed at a height 1.2M)
	Matching Speed	< 1 sec
Capacity	Users (1:N)	50,000
	Text Log	5,000,000
	Image Log	10,000
Interface	Ethernet	10/100/1000 (RJ45 Connector)
	BLE	Optional
	RS-485	1ch Master/Slave (OSDP)
	Wiegand	1ch Input and 1ch Output
	TTL Input	3ch Inputs
	Relay	1 Relay
	USB	USB 2.0
	Tamper	Supported
	SIM Socket	Optional

◖◗ User Interface

NOVAFACE-2N delivers an innovative UI comparing to other products, and it makes anyone can easily use facial recognition. This out of the box digital camera supports authentication up to 2M, and the result will be displayed immediately with colored indication box over the subject's face image.
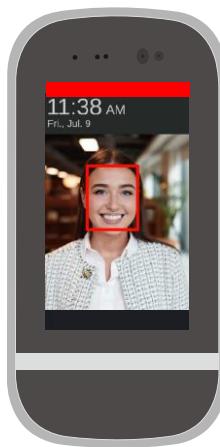
Search
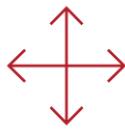White box around the face implies searching an object.

Success
Green color will be displayed on the top of the screen when it succeeds to match.

Fail
Red color will be displayed on the top of the screen when it fails to match.
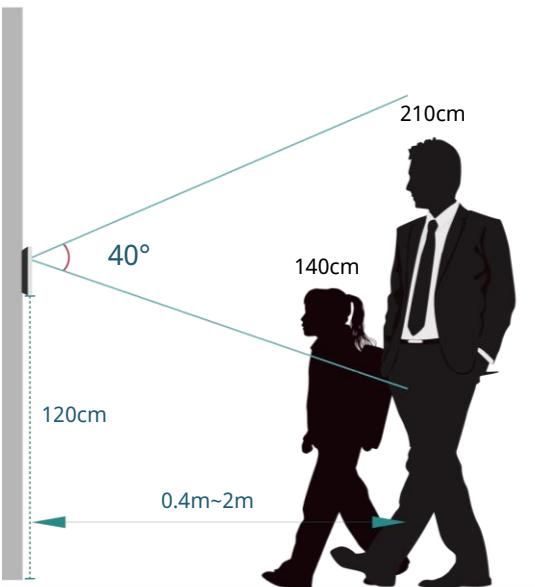
STEP1

Move with in 1M of the product

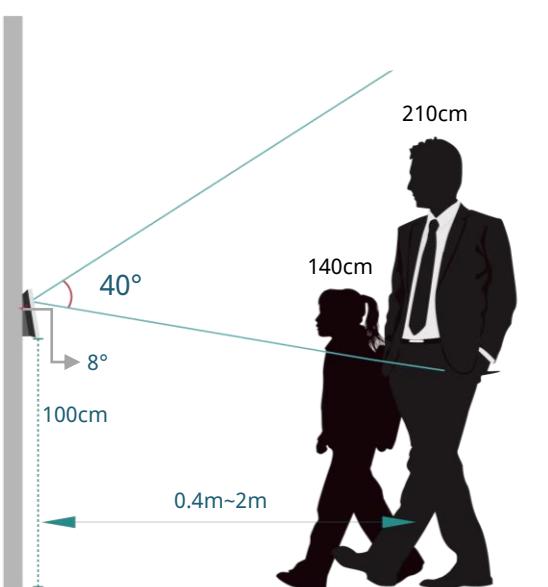**STEP2**

Position the face inside the guide box
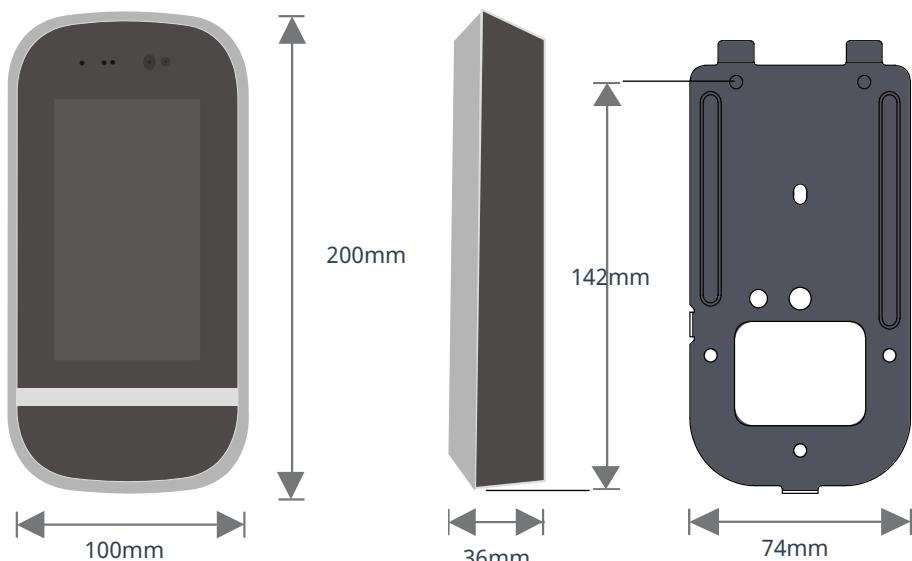(Face 40cm~2M)

STEP3

Green: Success
Red: Fail

Installation Guide

210cm

40°

140cm

120cm

0.4m~2m

With Regular Mounting Plate

210cm

40°

8°

140cm

100cm

0.4m~2m

With Angle-Adjustable Mounting Plate

200mm

100mm

36mm

142mm

74mm

Product Inquiry

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Appendix A: Regulatory Information

A.1. FCC compliance statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this product not authorized by CMITech could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product.

This product has demonstrated EMC compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, television sets, and other electronic devices.