



# CMITECH NOVAFACE-2N Walk Through Face Recognition Solution User Manual

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# Walk-Through Face Recognition Solution

## NOVAFACE-2N



“The Most Powerful Face Solution”

### NOVAFACE-2N DATASHEET

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



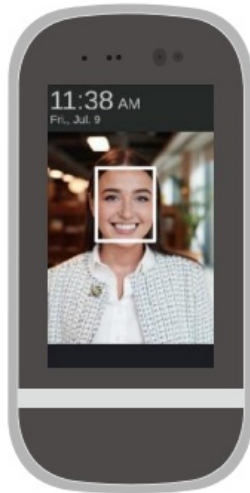
Thermal  
Detection

## 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°C ~ 50°C                             |
|            | 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                                 |

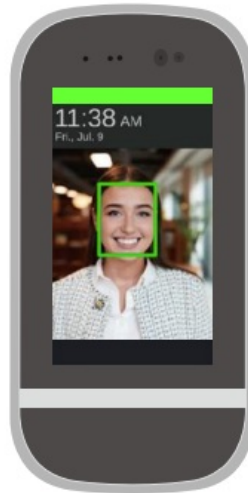
## User Interface

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.



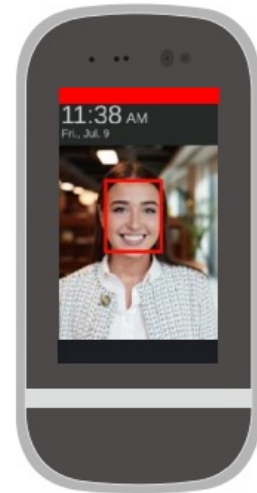
Search

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

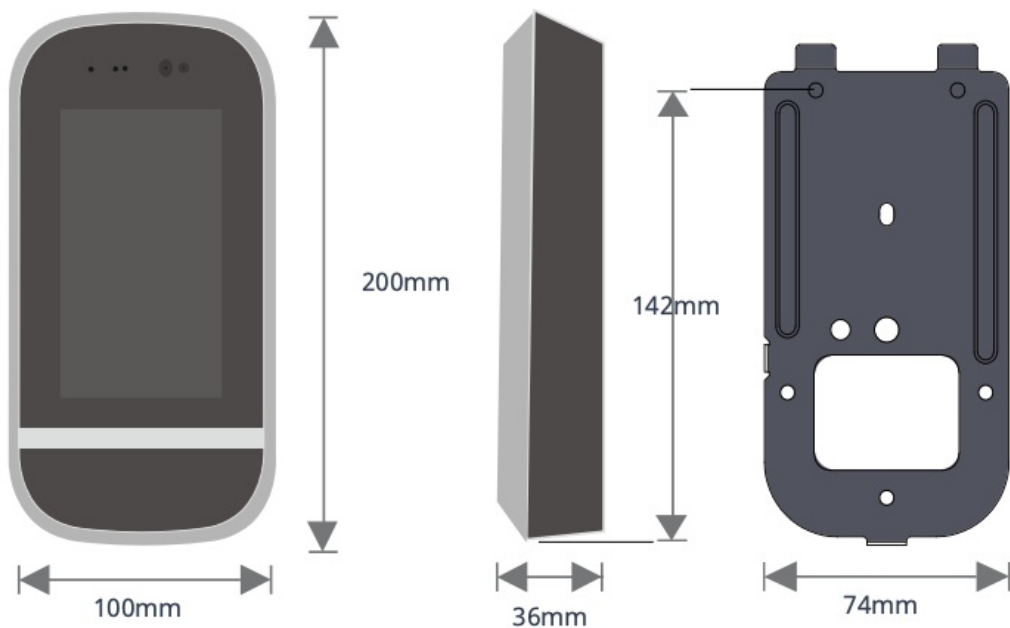
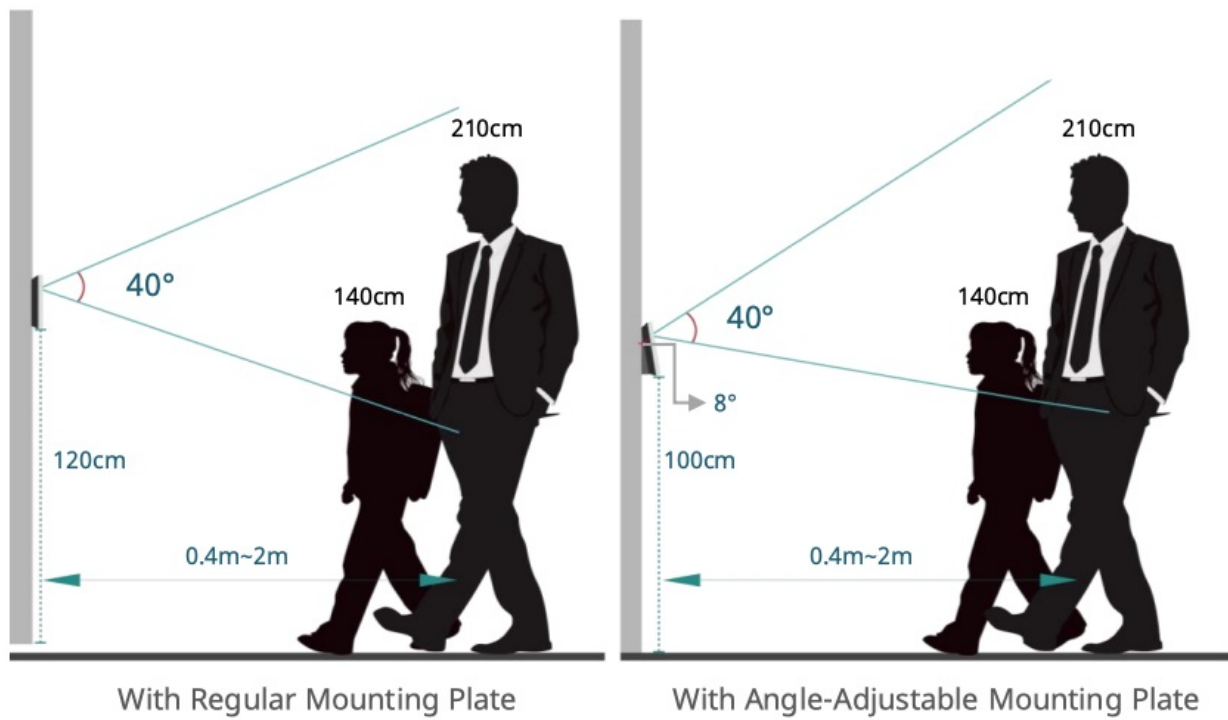
Position the face inside the guide box (Face 40cm~2M)



STEP3

Green: Success  
Red: Fail

## Installation Guide



## 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.

## Documents / Resources



**[CMITECH NOVAFACE-2N Walk Through Face Recognition Solution](#)** [pdf] User Manual  
NOVAFACE-2N Walk Through Face Recognition Solution, NOVAFACE-2N, Walk Through Face Recognition Solution, Through Face Recognition Solution, Face Recognition Solution, Recogniti on Solution, Solution

## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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