

Image input

It is recommended to take photos and record them in the indoor environment to ensure that the light intensity in the indoor environment is appropriate. When inputting, the staff should stand with the light, the expression is natural, the hair does not cover the eyes and eyebrows. For those who wear glasses, the glasses frame shall not cover the eyes, and the lenses shall not reflect light or change color. It is recommended to take off glasses and enter photos, and the top light source shall not cause over light or shadow on the face..

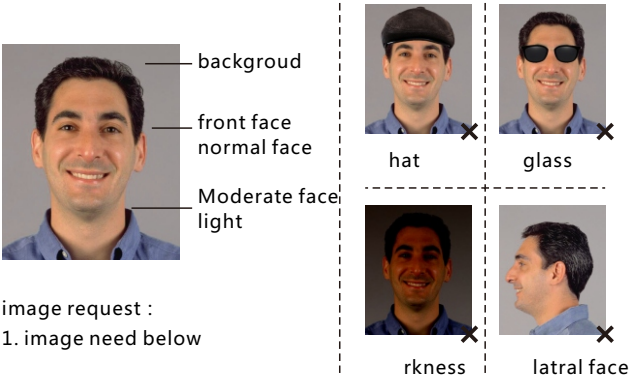


image request :
1. image need below

Correction method of infrared temperature measurement

First, after the equipment is installed and fixed on the site, it can be started for 15 minutes continuously. If temperature deviation is found, it can be calibrated as follows:
(1) Fix the machine in a fixed position and angle;
(2) Get an accurate forehead temperature gun and measure a person's forehead temperature;
(3) The person stands at the fixed 0.5m position of the machine for temperature measurement. If the measured temperature is too high, the temperature compensation value will increase. If it is too small, the compensation value will be set a little smaller (the calibration time generally takes 10 seconds to measure the temperature of the calibrator);
(4) Within 15 minutes after the temperature measuring plate is turned on, the measured temperature will be on the high side, which is a normal phenomenon. The infrared thermal imaging module must be preheated for 15 minutes to measure the temperature normally.

Spec &key features		
OS		Linux
CORE	CPU	ARM Cortex-A7 , max 1GHz
	NPU	network accelator NPU , 1.2T calculation
STORAGE		run memory 512MB ,storage 8GB
Display		TFT LCD , 8 inch , resolution : 800X1280
Face recognition		live detetion , 200W wide dynamic
Infrared	Range	30~45°
	Distance	0.5~1M
	number	10000~100000人
	time	1S
Internet	Angle	33°
Human induction		Wired , Ethenet 100M
		WiFi
Human induction		Support
Fill in light		White
Indicator light		Green : verify pass , Red : verify failed
Interface		USB*1 , RJ45*1 , wiegand IN*1 , wiegand OUT*1 RS485*1 , DC 12V*1
Devi ce upgrate		Support
Assembly		Gate Installation, Wall Mounted
Application		Indoor (no sunlight intererence)
Dimension		Vertical : 139×95×415mm Wall Mounted : 139×26×274mm
Case Material		Aluminum alloy

- Packing**
- (1) Device
 - (2) Power adapter
 - (3) Mat
 - (4) Screw
 - (5) screw
 - (6) Manual
 - (7) Certificate
 - (8) Access gates(Optional)

Service&Statement

- Service And Statement
After-sale Service and Guarantee.
- 1.We warrants the included hardware product and accessories against defects in materials and workmanship for one year from the date you purchase.
 - 2.We will provide on-line trouble shooting service after receiving your claim in 24 hrs.
 - 3.We provides technical support at any time when you needed. Additional cost may will be charged if you want us to make customized software or package.
 - 4.We do not warrant against normal wear and tear, nor damage caused by accident or abuse.
 - 5.We do not warrant in the following situation.

5.1Damaged by force majeure, such as all kind of earthquake , storm flooding etc.

5.2Damage caused by improper operation.

5.3The visualizer don't have original warranty card or serial No.
5.4Fault caused by computer virus.
- Problems caused by other software's installation and setting

Hotline:
400-0982-858



Face Recognition Infrared Temperature Measurement Installation manual

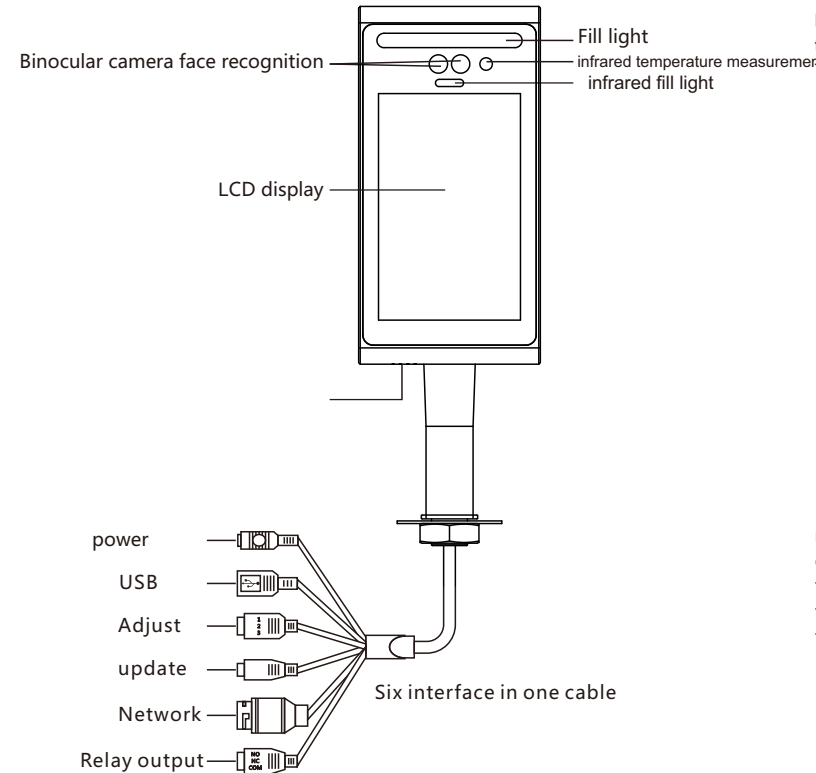
SHENZHEN ELOAM TECHNOLOGY CO.,LTD

Add : No. 208, Multipurpose BD, Tsinghua InformTech Industrial Park, Nanshan District, Shenzhen,China

Tel : 0755-28078157 Tax : 0755-26014824
emails : info@eloam.cn Http : //www.eloam.cn



Product Appearance



Relay output interface :

NO : normal open

NC : normal close

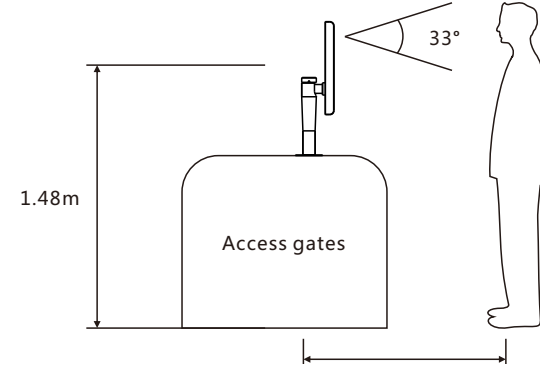
COM : common

Debug interface, Upgrade interface :

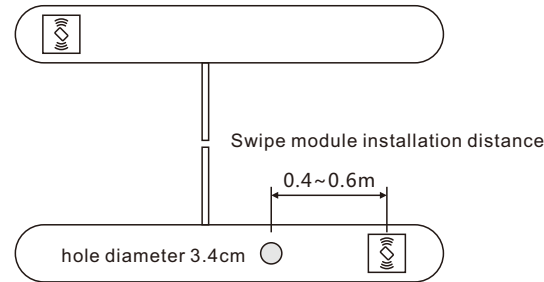
Please operate under the guidance of the manufacturer, users should not debug and upgrade the equipment by themselves

Installation

Before installation, please consider the factors such as the height of the person and the environment, select the appropriate installation point. The reference point of the gate machine installation is 15 cm forward from the center of the gate machine. As the picture shows:



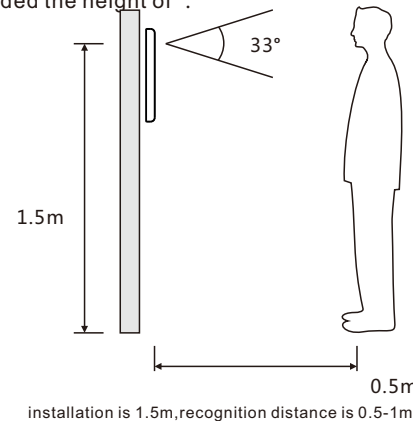
When the gate machine is equipped with a card (ID card / IC card) reader module, the installation hole of the face recognition terminal device should consider the height of the gate machine, as far as possible away from the card reader module, and the interval of 0.4m or more is recommended to ensure that the capture of face is clear and complete when swiping the card.



This equipment should be installed and operated with minimum distance 20cm between the radiator&your body.

Wall Mounted

The installation needs to consider the factors, such as :the height of the users and the environment, and choose the right location. recommended the height of :



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

NOTE: 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 into 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.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

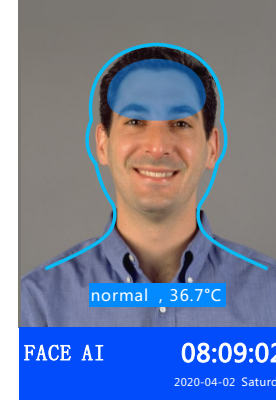
infrared temperature measurement Principle

Any object will emit infrared radiation energy, and its surface temperature directly determines the radiation energy size and wavelength. Based on this principle, this product adopts the infrared sensor which is used for detecting the infrared radiation energy released by human body, and measures the temperature through calculation and compensation.

Usage method

Temperature measurement method

- (1) The device is connected to the power supply and can be used normally after 15 minutes.
- (2) When the user's temperature is detected, please aim your forehead at the temperature detection area, as shown below:



System settings

- (1) Connected with the power and enter the main interface after initialization;
- (1) Insert the mouse, click the blue box at the bottom of the main interface of the system for 3 times, popup administrator login. After entering the user name and password, click "log in" to enter "system Settings". The default user name of the system is: root, and the default password of the system is: 123456

Device setting

- (1) Identify setting can set the threshold value, choose whether living detection, mask recognition, temperature screening, and temperature compensation value;

- (2) Visitor management: add and import visitor in batch, search for certain visitor;
- (3) Record management: search and export data;
- (4) Network settings: wired network and wireless network settings;
- (5) Server setting: set server address;
- (6) System settings: Set volume, screen brightness, fill light settings, system information, system time settings, restore factory settings and modify administrator passwords.

Identification settings

- (1) Set the threshold: the default setting is 0.50, the higher the setting value, the more accurate the similarity between the face to be recognized and saved face image;
- (2) Living body detection: After checking, it is detected whether it is a living body;
- (3) Mask recognition: After checking, check whether to wear a mask;
- (4) Body temperature screening: after checking, only body temperature screening is performed, and the gate is opened when the body temperature is normal;
- (5) Temperature compensation: the parameters adjusted for body temperature detection, the range is 0-1000, and the parameters should be fine-tuned in different environments.

Visitor management

- a. Use under offline mode without network, and perform corresponding operations on the device:

- (1) Add visitor: Select [Add visitor] T [Take a picture] T [Name] to save, after proceeding successfully, the corresponding person name will be displayed when the face recognition is passed;
- (2) Batch import: Please use U disk for batch import operation; Organize the personnel information photos into a folder, and then use the "picture pre-processing tool" to generate a file that can be imported in batches. The file name defaults to: "REG", and then copy the "REG" folder to the root directory of the U disk. The U disk is successfully connected to the USB interface of the device, select [Personnel Management]-[Batch Import], and click OK.

- [1] At present, the U disk format recognized by the device only supports FAT32
- [2] Download address of image preprocessing tool:

<https://box.lenovo.com/l/mu2H9b>

Graphic processing processor M-64-20191123.rar

- (3) Search visitor: Enter the visitor's name, and click to query, or you can click directly without entering the name to delete the searched data.

- b. When the device is connected to the network, the data is stored in the cloud, and batch import operations can be performed on the cloud:

Users can access the e-channel access control platform:

<https://sac.eloam.net>, enter the account number and password of the system user

perform related operations after successful login. : <https://box.lenovo.com/l/mu2H9b>

Records management

- a. Use in offline mode without network, and perform corresponding operations on the device side:

- (1) Search records: you can search for a certain visitor's touching record for a certain time; when you select to reject the record, you can only query the touching records of local registered visitor;
- (2) Export records: You can export a person's touching record for a certain time; when exporting data, connect the U disk first, and the exported file is in the RECG folder under the root directory of the U disk; when you select the check reject record, only it can export the touching records of local registered visitor.

- b. When the device is connected to the network, the data is stored in the cloud, and the record management operation can be performed in the cloud:

The user can access the e-channel access control platform

: <https://sac.eloam.net>, enter the system user account and password, and log in successfully for related operating.

"* Offline mode is used, all data entered by the device is stored in device, and can be imported and exported by the U disk. After the network is available, the data entered by the setting end does not support uploading to the cloud. * Use the network mode, please directly in the cloud. For the visitor input operation, there is no need to use a U disk to import and export separately. The data is automatically uploaded and downloaded. , Staff entry, record export,

Network settings

- (1) Wired network settings: you can choose to automatically obtain IP and manually set the IP;

Obtain IP automatically: Check the wired network and set automatically.

Set IP manually: Check the wired network and set manually

- (2) Wireless network settings: You can choose wireless WiFi and network hotspot.

Server settings

- (1) Server address: <https://sac.eloam.net/api>
- (2) Polling: The interval time for the device to request the background server.

System settings

- (1) Volume setting: the system volume can be adjusted;
- (2) Screen brightness: Adjustable system screen brightness;
- (3) Fill light setting: automatic fill light can be selected, fill light normally open or normally closed;
- (4) Restore factory settings: all settings, personnel information and identification records will be deleted;
- (5) Administrator password: the administrator password can be modified;
- (6) System information: you can view the corresponding device model, firmware version number, SN number and address
- (7) System time setting: manually modify the time.