

Cylinder Face Recognition System Ver 1.3 User Manual



Catalogue

1. Brief introduction.....	1
2.Product use instructions.....	1
2.1System function description.....	1
2.2 System function description.....	2
2.3 Initial function settings.....	4
2.4 Face recognition system parameter setting.....	4
3. System Setting.....	8
3.1 Device information.....	8
3.2 Time setting.....	9
3.3 Display Settings.....	11
3.4 Sound Settings.....	11
3.5 Face Recognition Settings.....	12
3.6. Personnel management.....	15
3.7 Data management.....	17
3.8 Equipment rules.....	18
3.9 Network settings.....	19
3.10 Access control setting.....	21
3.11 Open the Door.....	22
3.12 Shut down and restart.....	23
3.13 Firmware upgrade.....	23
3.14 Password management.....	24
3.15 Use capacity.....	25
3.16 Reset.....	25

1. Brief introduction

1. Documentation

This document is the face recognition software user manual.

Thank you very much for using our company's products.

This manual may contain technical inaccuracies or text errors.

The contents of this manual will be updated regularly and the updated content will be added to the new version of this manual.

We will improve or update the products or programs described in this manual at any time.

Documentation

2. Scope of use

This document is intended to help users understand the use of product features.

2. Product use instructions

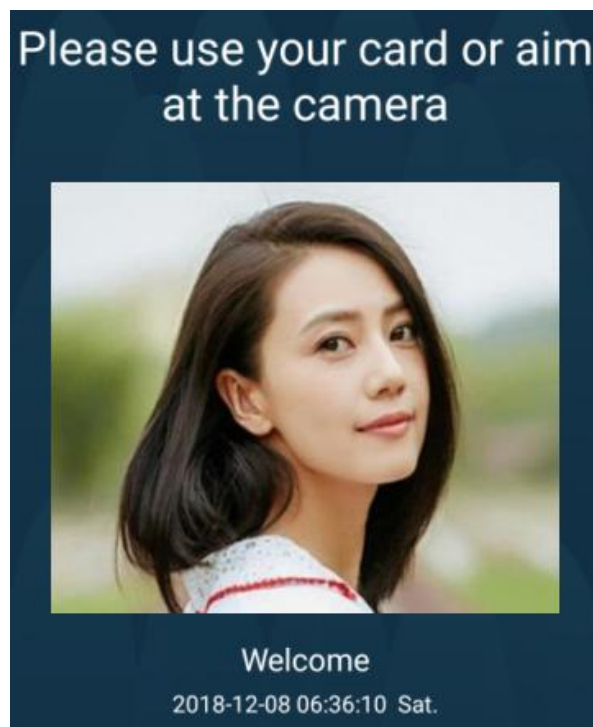
2.1. System function description

The face recognition system function is divided into two parts: human-computer interaction and management module. When the customer uses it, only the human-computer interaction interface is displayed. Only by administrator verification can the background

management be entered.

2.2. Human-computer interaction

1. The main UI face recognition interface is as follows: The main UI only shows the camera to capture the video and compare the results after the pass.



(Tablet 8-inch touch screen version Human-computer interface)

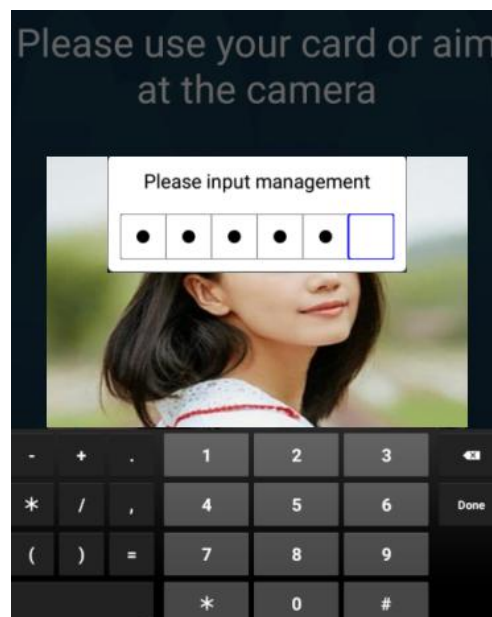
(Cylindrical 5-inch touch less screen version----use mouse to operate)

2. The function display of the bottom fast icon bar and the function introduction of the quick icon, as follows:

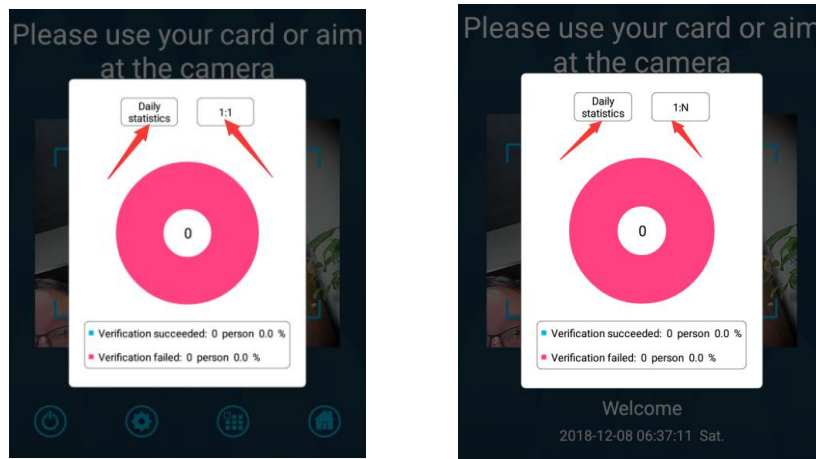


A. Hide: Click to hide the shortcut bar, or hide it automatically when it arrives.

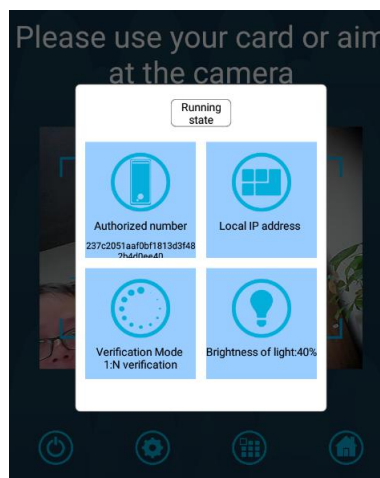
B. Setting: After clicking, enter the management password to enter the settings management interface. The initial default password: 111111, the user can log in and modify the initial administrator password.



C. Human traffic statistics can be used to view the statistic traffic of the current day and the current month. The types are 1:1 and 1:N.



D. Running status, you can view the device number, IP address, verification mode and fill light brightness.



2.3. Initial function settings

① Device activation

Press the Activation Wizard to complete the settings for the device's operating mode, network, initial password, and more.

② Working mode switching

Device support: networked and stand-alone mode. After setting the working mode, you can modify it in the background management.

③ Recognition mode setting

The device provides a variety of usage patterns, and different scenarios correspond to different usage patterns. Such as ID card, IC/ID card, 1: N identification, intelligent verification mode. After setting the identification mode, you can modify it in the background management.

④ Initial password setting

Set the administrator password and confirm the activation. After setting the password, you can modify it in the background management.

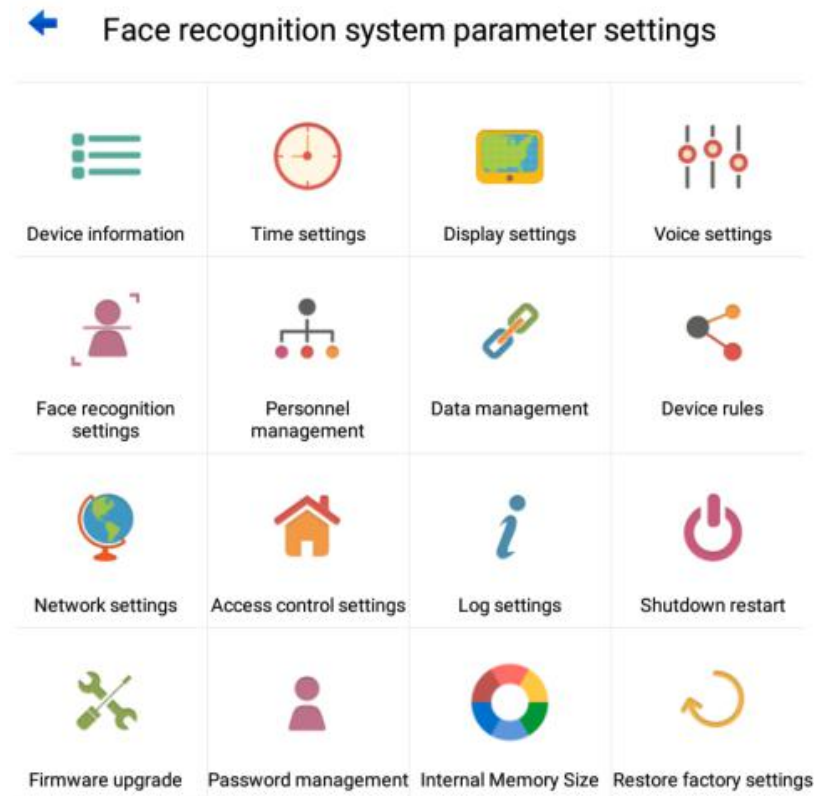
2.4. Face recognition system parameter setting

1) Equipment information: check the basic information of equipment, such as equipment name, SN number, MAC address, etc.

- 2) Time setting: set the local time and date of the equipment and automatically synchronize the time with the server after networking.
- 3) Display settings: set up display adjustments such as equipment advertisement words, supplementary light, screen, etc.
- 4) Voice setting: set the volume of the equipment.
- 5) Face recognition settings: set the verification mode of the device, presence or absence of living body, resolution, recognition distance, threshold, etc.
- 6) Personnel Management: manage and compare personnel information, and can store personnel information individually or in batches.
- 7) Data management: manage identification records, and query and export all record information.
- 8) Equipment Rules: set equipment rules and personnel rules.
- 9) Network settings: set the network address of the device, which can be filled in manually or obtained **automatically**.
- 10) Access Control system settings: set WG mode, access control system time and lighting time interval, and manually open the door for release.

- 11) Log information: log information query, etc.
- 12) Shutdown and restart: shut down or restart the device.
- 13) Firmware upgrade: set up the upgrade method of the equipment, which can be upgraded automatically or manually.
- 14) Password Management: set the administrator password.
- 15) Usage Capacity: view the storage space of the device, usage capacity, etc.
- 16) Restore factory settings: restore the default factory settings.
(Restoring the default factory settings deletes all data).

Face recognition system parameter setting interface



3. System Setting

3.1. Device information

You can view the basic information of equipment, entrance and exit settings and equipment location settings, as shown in the following figure:

Device information

Device Name	人脸识别产品
Device Model	KF-8008DT
Serial Number	237c2051aaf0bf1813d3f482b4d0ee40
Version Number	V2.2.20181207
MAC Address	28:ed:e0:74:36:64
Manufacturer	深圳
Device Type	Entry ▾
Device Location	PRESERVATION

3.2. Time setting

Set the local time and date of the equipment, and automatically synchronize the time with the server after networking. As well as the opening or closing of the restart setting at 3:00 am every day (ex - factory, default opening status is recommended), as shown in the following figure:

←

Time settings

Current time: click to select time

2018-12-08 06:38

03:00 Auto restart:ON

☒

PRESERVATION

Set Time Click on the column of Red Box to set it. After setting the time, it will be saved and effective, as shown in the following figure:

←

Display settings

Display Show: Welcome

Display Size:(sudo reboot) 8cun

Show full names:OFF ☐

Light intelligent regulation:ON ☒

Display intelligent regulation:ON ☒

Brightness of light: 40

Brightness of Display: 50

PRESERVATION

3.3. Display Settings

Set the advertisement word, screen size, verification full name display, brightness level of supplementary light, screen luminance adjustment, etc. displayed by the device.

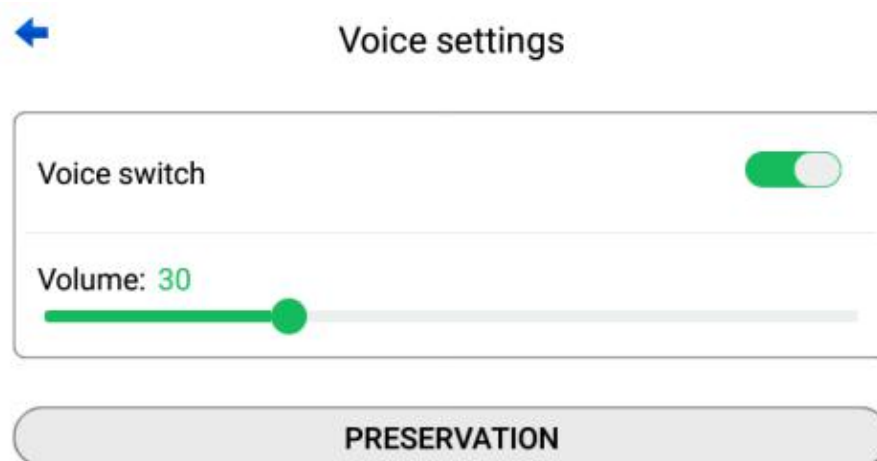
Intelligent adjustment of light supplementing lamps: automatic enhancement of light supplementing lamps at night;

Intelligent screen adjustment: automatic screen closing in the morning, automatic face brushing and awakening by people.

It can be turned off and turned on. It is recommended and turned on by default from the factory, as shown in the following figure:

3.4. Sound Settings

Set the device volume, turn it on and off, and take effect after saving. The following figure:



3.5. Face Recognition Settings

According to the requirements of security level, different scenarios are selected and threshold, resolution and recognition distance settings are respectively set.

Introduction of 1:N Verification Mode:

The factory default 1: N threshold is 75, which can be adjusted according to the actual environment. Intelligence _ 5 _ is turned on, and parameter 5 is the slight compensation adjustment to the threshold within the system time of 19: 00: 00 - 05: 00: 00

Considering the safety level, threshold setting: indoor recommendation: 85 - 90, semi-outdoor recommendation: 80 - 88, outdoor recommendation: 75 - 85, as shown in the following figure:

Face recognition settings

Verification Mode

Face+ID card verification: 1:1 verification

Face+RFID card verification: 1:1 verification

Face verification: 1:N verification ✓

Intelligent verification mode: 1:1 first 1:N second

Camera mode

Monocular camera: no infrared detection ✓

Other

Resolution 640*480

Recognition distance 3m

Other parameter settings

Face recognition settings

Parameter configuration

The threshold of 1:N: 76

Intelligent 5

Verification number: 1

CANCEL CONFIRM

Resolution 640*480

Next

1.1 Introduction of Identity Card Verification Mode

1: 1 Verification mode parameter configuration is based on the factory default settings. If you need to adjust it, please set it according to the ID card age, as shown in the following figure:

Face recognition settings

ID Parameter configuration

The threshold of 0 to 5 years: 25

The threshold of 5 to 10 years: 20

The threshold of 10 to 20 years: 18

The threshold of at least 20 years: 15

CANCEL CONFIRM

Introduction of other parameters: (**identify speed setting items**)

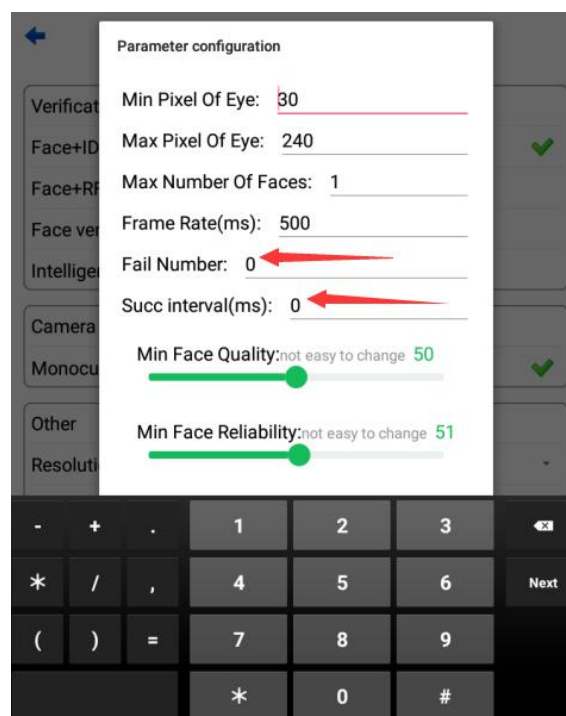
Note: Face quality defaults to 50 and face credibility defaults to 51, while other parameters remain the default and non-technical personnel cannot modify them.

A. Failure Filtering Times: To identify the number of failures, broadcast one failure to prevent strangers from broadcasting failure prompts. The recommended setting is: 3.

B. Fan filtering time: after the same person is identified successfully, how much time will it take before it can be identified again. Prevent white list personnel from continuously broadcasting success tips.

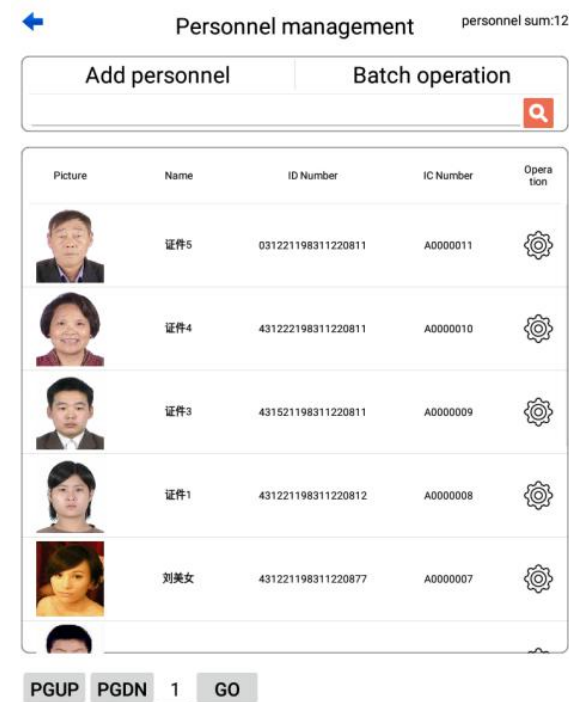
Recommended setting: 3000.

The default settings are as follows:



3.6. Personnel management

Management of personnel information can be added individually, U disk batch imported and personnel issued in the background, as shown in the following figure:

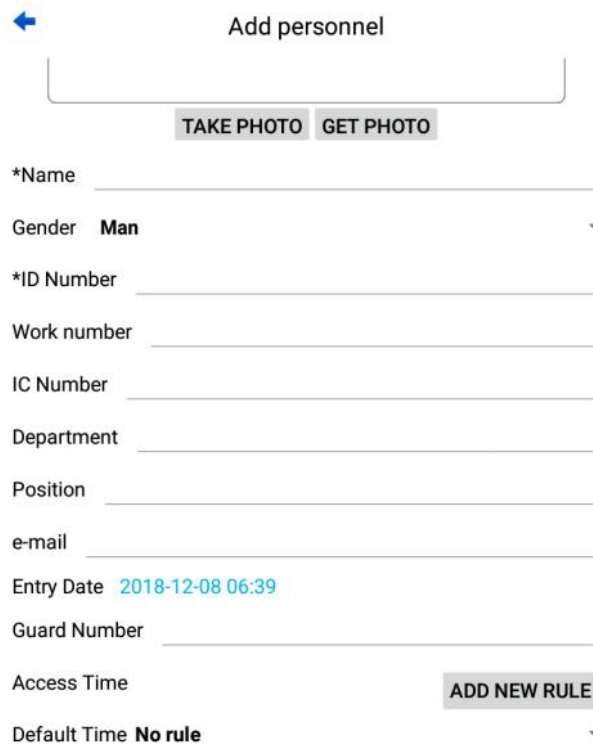


Click **Add Person** to enter personnel information individually, and click the prompt to enter the basic information of personnel and save it, as shown in the following figure:

Note: Photos can be collected and recorded on the spot by the camera.

After taking photos, you can copy the photos of personnel through U disk and enter them after taking photos.

Name and ID number are Required. The IC card number is: 8 digits, 0 - 9, A - F, and the default is WG 34 output.



← Add personnel

TAKE PHOTO GET PHOTO

*Name _____

Gender **Man** ▼

*ID Number _____

Work number _____

IC Number _____

Department _____

Position _____

e-mail _____

Entry Date 2018-12-08 06:39

Guard Number _____

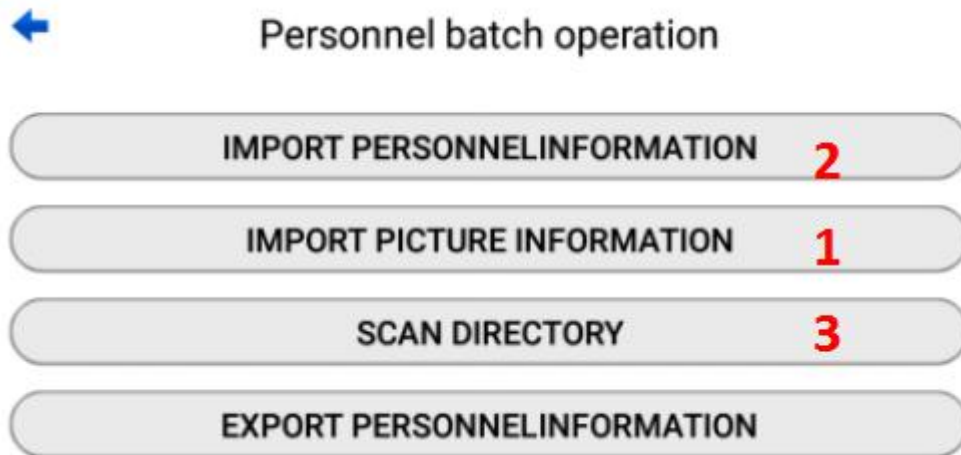
Access Time _____

ADD NEW RULE

Default Time **No rule** ▼

Click **Batch Operation** to import multiple personnel pictures and personnel information at a time through U disk, as shown in the following figure:

Note: please refer to " description of U disk import personnel picture and personnel information template".



3.7. Data management

Manage identification records, query and export all record information, export personnel data, export data to U disk for viewing.

You can set the time period, view, search, export and delete identification records, as shown in the following figure:

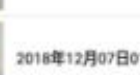
← Data management

Please enter identification number

Select Time Period: 2018-12-01 00:00 — 2018-12-31 23:59

Query Result Selection: **Success**

QUERY RECORD EXPORT RECORD DELETE RECORD

Capture...	Inboun...	Time	Name	ID Number	Result	Score
		2018年12月07日01时47分50秒	杨文	4312211983112208...	Succe...	0.9077484
		2018年12月07日01时47分49秒	杨文	4312211983112208...	Succe...	0.945619
		2018年12月07日01时47分48秒	杨文	4312211983112208...	Succe...	0.956875
		2018年12月07日01时47分47秒	杨文	4312211983112208...	Succe...	0.948178
		2018年12月07日01时47分46秒	杨文	4312211983112208...	Succe...	0.9287491
		2018年12月07日01时47分45秒	杨文	4312211983112208...	Succe...	0.949347

PGUP PGDN 1 GO

Query Result Selection: You can view all the identification records of success, failure and failure individually, and you can turn pages to view the records of the previous page and the next page.

3.8. Equipment rules

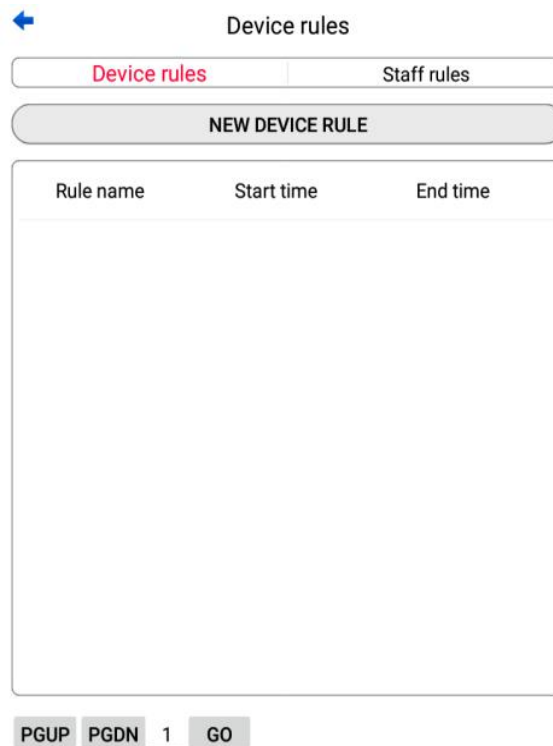
Equipment rules: Set the equipment passage time rules.

Select "Equipment Rules" and click "Add Equipment Rules" to add

equipment rules, as shown below:

Note: set equipment rules: set the equipment's passage time rule.
After adding new equipment rules, you can also delete the rules.

The personnel rules are the same as the nature of the equipment rules and belong to the configuration personnel pass rules. It is not introduced here.



Device rules

Device rules Staff rules

NEW DEVICE RULE

Rule name	Start time	End time
-----------	------------	----------

PGUP PGDN 1 GO

3.9. Network settings

Set the wired network address of the device, you can choose static mode (manual configuration) and dynamic mode (automatic acquisition), as shown below:


Network settings

Ethernet
Wifi

STATIC
✓

DHCP

Configuring IP

ipAddress	192.168.0.112
netmask	255.255.255.0
gateway	192.168.0.1
DNS1	202.96.128.86
DNS2	202.96.134.33

Server Ip Address
http://192.168.0.1
PRESERVATION

Upload CardInfo:OFF
☐

Set the wireless network address of the device, you can choose static mode (manual configuration) and dynamic mode (automatic acquisition), as shown below:


Network settings

Ethernet
Wifi

STATIC
✓

DHCP

Configuring IP

ipAddress	0.0.0.0
netmask	0.0.0.0
gateway	0.0.0.0
DNS1	0.0.0.0
DNS2	0.0.0.0

WIFI SETTING

Server Ip Address
http://192.168.0.1
PRESERVATION

Upload CardInfo:OFF
☐

Click "Set Up WIFI" and select a valid wifi, input WIFI password to connection.

Note: WIFI is not necessarily standard for different styles of products.



3.10. Access control setting

Set Wegan mode and control access time and lighting intervals, as shown in the following figure:

Wiegand type: Wiegand 34 is an output function.

Open the door: Click "**Open the door**" to open it manually.

← Access control settings

Wiegand Type **Wiegand34**

Opening interval (ms): 2000 **OPEN**

light up interval (ms): 500

PRESERVATION

3.11. Open the Door

The door can be opened by software, remote control access or gate, as shown below:

← Access control settings

Wiegand Type **Wiegand34**

Opening interval (ms): 2000 **OPEN**

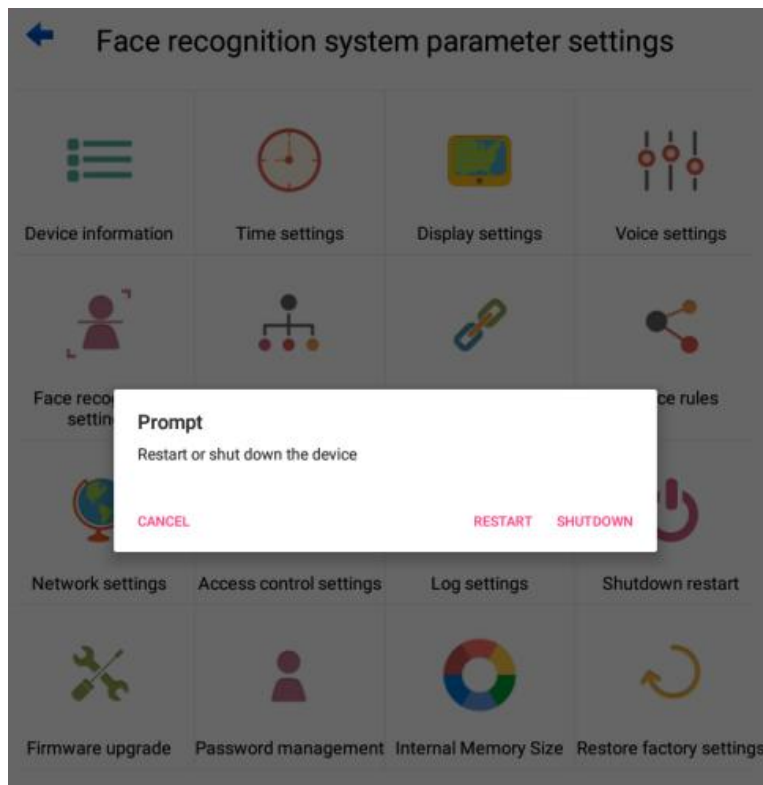
light up interval (ms): 500

Prompt
Are you sure to open the door?

CANCEL **CONFIRM**

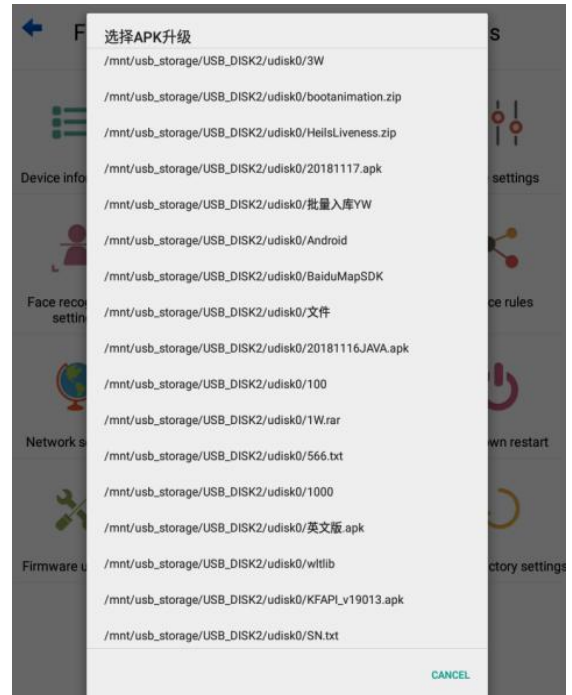
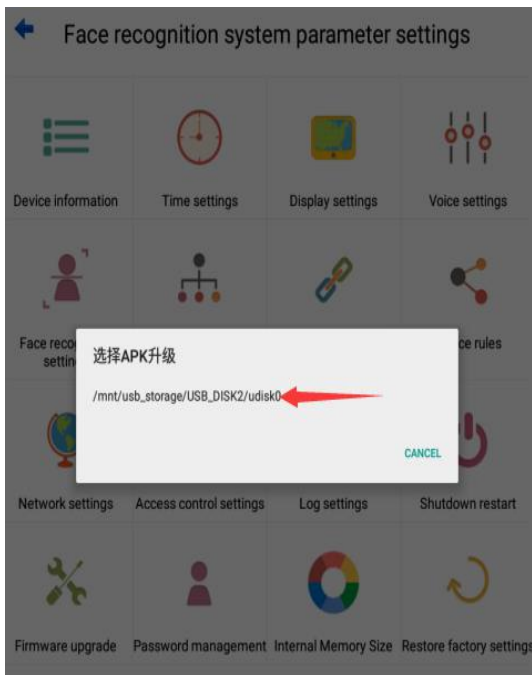
3.12. Shut down and restart

You can manually restart or shut down the device, as shown below:



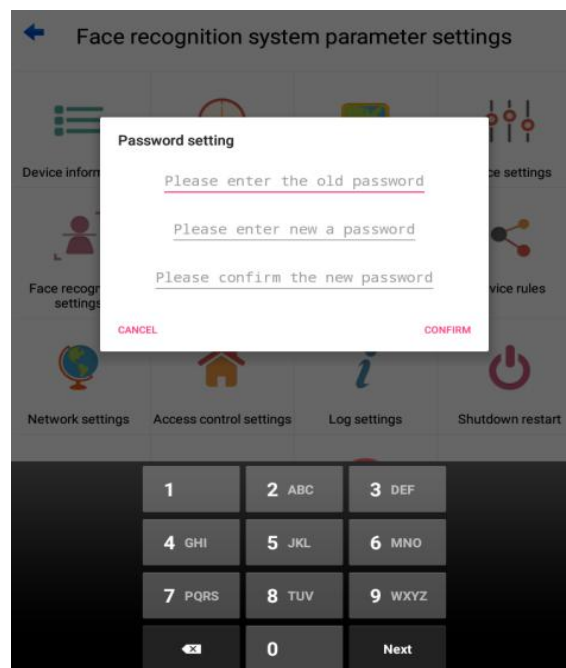
3.13. Firmware upgrade

Can be upgraded manually or automatically, manually upgrade, insert U disk, select the firmware and program path that need to be upgraded, as shown below:



3.14. Password management

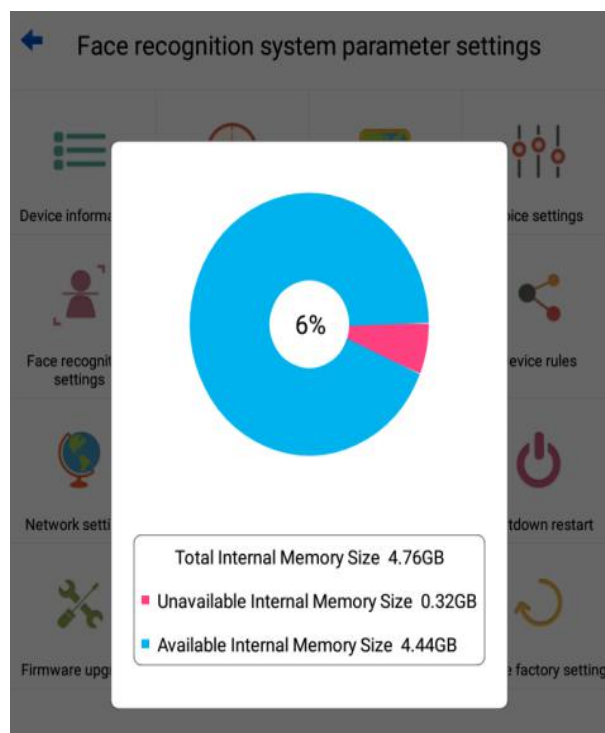
Set the administrator password as shown below:



3.15. Use capacity

View device storage space, usage capacity, and so on, as shown below:

Note: In order to ensure the security of the system, after the storage space has been used for more than 80%, the software automatically deletes the identification picture record, please synchronize the identification record in time!



3.16. Reset

Restore the default factory settings, click "Reset", please enter a password, the password for the administrator password, as shown

below:

Note: Please operate carefully to restore the factory settings, after the restoration of factory settings, will **lose all data!**

