

# Face Recognition With Palm Vein&QR Code User Manual

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# **Chapter 1 Product Overview**

The facial palm vein machine is an access control device based on the LINUX operating system, mainly suitable for application such as office gates, high-end office building lobby channel management systems, various club member management systems, on-site labor real name system, smart community pedestrian channel system, and scenic area ticket system.

# **1.1 Product Introduction**

- Support network management and standalone running.
- Multiple door opening methods such as Mifare card reading, facial recognition, QR code, palm vein, etc.
- Adopting a multi-core ARM processor, integrating massive memory.
- Wide dynamic strong light suppression technology, suitable for outdoor use.
- 2 million high-definition pixel binocular camera with high speed recognition and high accuracy, supporting liveness detection.
- The capacity can reach 20,000 users, 20,000 faces, 10,000 palm veins, 20,000 QR codes, 20,000 cards, 20,000 passwords, 50,000 photo logs, and 1 million attendance logs.
- TCP/IP and WIFI networking
- 1 set of door opening relays, 1 set of door magnets, and 1 set of alarm outputs
- LAN, cloud system, and mobile App management

• Multiple national languages and OEM/ODM, including Simplified Chinese, Traditional Chinese, English, Portuguese, Spanish, Russian, French, Japanese, Korean, Thai, and Arabic.

Following are the product models:



# **1.2 Technical Parameters**

MODEL Name	А Туре	В Туре	С Туре	
Material	Metal+ABS Housing,tempered glass panel	Metal+ABS Housing,	tempered glass panel	
Weight	0.6KG			
Size	205×88×25mm	186×81×24mm	236×131×29mm	
Display	5.5-inch	4.5-inch	7-inch	
Camera	Wide dynamic bine	Wide dynamic binocular 2 million high-definition pixel camera		
Working Voltage		DC12V(9-14V)		
Working Current		2000mA		
Working Environment	Temperature:-10	to 65 $^\circ\!\!\!\!\!^\circ$ ; Humidity: 10-909	%,non condensing	

WIFI	Can be customized	
USB	Support	
Storage Capacity	512M DDR3 memory, 8GB EMMC storage	
Operating System	LINUX System	
Management Mode	Mode         Touch screen, CS system, BS cloud system(Mobile App Management)	
Comparison Mode	1: N/1: 1	
Elevator Expansion	Support elevator/cabinet lock control board expansion port	
Firmware Upgrade	Support OTA upgrade or USB firmware upgrade	
Algorithm Support	Face Recognition, Fingerprint Recognition, Palm Recognition, QR code Recognition	
Recognition Speed	≤ 0.3S	
Communication	TCP/IP + WIFI	
Access Control Interface Protocol	Wiegand26/34/66	
Other Interface	Exit Button×1, Door Sensor×1, Fire Alarm×1, Alarm Output×1, Wiegand Output×1, Wiegand Input×1, Lock Control×1, USB×1, RS485×1	
Registration Way	Face Recognition, Palm Vein, Password, Mifare Card	

# **Chapter 2 Appearance**



# 2.1 Appearance Diagram

Appearance diagram of model A

- 1 Intelligent Light
- 2 IR Supplement Light
- ③ Camera
- (4) Touch Screen
- 5 Card Area
- 6 Microphone
- $\textcircled{7} \quad \text{Fingerprint Collector}$
- (8) Wiring Ports
- 9 USB Port
- (10) Reset Button
- ① Speaker



Appearance diagram of model B

- ① Intelligent Light
- ② Supplement Light
- ③ Camera
- (4) Touch Screen
- 5 Microphone
- 6 Card Area
- ⑦ Fingerprint Collector
- (8) Wiring Ports
- 9 USB Port
- 10 Speaker
- (1) Reset Key



Appearance diagram of model C

- 1 Intelligent Light
- 2 Supplement Light
- ③ Camera
- (4) USB Port+Reset Key
- 5 Fingerprint Collector
- 6 Card Area
- ⑦ Touch Screen
- (8) Microphone
- (9) Wiring Ports
- ① Speaker

# **Chapter 3 Installation**

## 3.1 Installed on Wall



C Type

#### Installation Diagram

**Step 1:** Remove the screw nuts at the bottom of the device and remove the metal fixing plate. **Step 2:** Drill holes on the wall based on the hole position of the fixed plate, and fix the fixed plate to the wall using expansion bolts (it is recommended to install at the same height as the screen and face for easy identification). After the installation of the fixed plate, ensure that the hanging plate is stable, firm, and free from looseness.

Step 3: Connect the wires according to the wiring instructions.

**Step 4:** Hook the facial palm vein machine onto the mounting plate from top to bottom, and use an Allen wrench to tighten the fixing screws at the bottom to complete the installation.

• Please refer to Appendix 1 for installation precautions

# **3.2** Installed on Desk (Only suitable for C type)



Installation Diagram

**Step 1:** Remove the screw nuts at the bottom of the device and remove the metal hanging plate.

**Step 2:** Push up with your hand (at the arrow in the figure) and then pull out the bracket outward.

Step 3: Insert the DC power cable into the device (at the arrow in the figure).

**Step 4:** After the installation of the connecting cable, place the device on a stable surface.

• Installation precautions are detailed in Appendix 1

# **Chapter 4 Wiring Instructions**

### 4.1 Wiring Diagram

Before wiring, it should be ensured that the power supply of the equipment has been disconnected. Connecting the wrong wire while powered on will cause serious damage to the equipment. Please connect the device according to the wiring diagram below, as shown in the following figure.



Wiring diagram for model B



#### • Wiring Requirements:

- 1)AC220V AC Power Cable: Using 3X1.0MM (or above) wire to prevent leakage, and it is recommended to connect the ground wire of the power cable
- 2) **Electric Lock Cable:** Using 2X1.0MM (or above) wire, the maximum length of the cable should not exceed 20 meters.
- 3) TCP/IP Communication Cable: Please use standard network cables, and the maximum length of

the cable should not exceed 100 meters

- 4) **Door Sensor or Exit Button Cable:** Using 2X0.5MM (or above) wire, the maximum length of the cable should not exceed 100 meters.
- 5) Wiegand Signal Cable: Using 4X0.5MM (or above) wire, the maximum length of the line should not exceed 80 meters.

# 4.2 Wiring Connection

#### **(1)**Connect the electric lock

**Wiring of powered off unlocks (such as electric bolt locks or electromagnetic locks) :** The positive pole of the electric lock is connected to the NC of the facial terminal, the negative pole of the electric lock is connected to the GND of the power supply, and the COM of the facial terminal is connected to the +12V output of the power supply.



Electromagnetic Lock

**Wiring of powered on unnlocks (such as electric control locks or electric strike locks):** The positive pole of the electric lock is connected to the NO of the facial terminal, the negative pole of the electric lock is connected to the GND of the power supply, and the COM of the facial terminal is connected to the+12V output of the power supply.



Cathode Lock

#### **(2)**Connect the exit button

Connect the two wires of the exit button to the OPEN (brown wire) and GND (black wire)

corresponding to the facial terminal. The cable length of the exit button should not exceed 100 meters.



#### Exit Button

#### **③Connect the Door Sensor**

The two wires of the door sensor are connected to the corresponding DOOR (brown wire) and GND (black wire) of the facial terminal. The cable length of the door sensor should not exceed 100 meters.



#### (4)Connect the Siren

The two wires of the alarm are connected to the corresponding ALARM (red wire) and GND (black wire) of the facial terminal. The cable length of the siren should not exceed 50 meters.



Alarm Output

#### **(5)**Connect the Fire Alarm Input

The fire input signal is connected to the FIRE (orange line) and GND (black line) corresponding to the facial terminal.

WG0-IN	WG1-IN	GND	FI	RE	DOOR	G١	١D	ALARM+
				L_1	-			
				Fire	e Alarm Inpu	t		

#### **(Connect the access control panel**

The facial terminal+12V (red line) is connected to the access control board+12V, the facial terminal WG0 OUT (green line) is connected to the access control board WG0, the facial terminal WG1 OUT (white line) is connected to the access control board WG1, and the facial terminal GND (black line) is connected to the access control board GND. The facial terminal can be used as a Wiegand reader.

• Note: Regardless of whether the facial terminal is powered from the access control board or not, it is necessary to ensure that the facial terminal and access control board are connected to GND together to ensure stable Wiegand signal transmission.



#### ⑦Device Networking

The facial terminal can be directly connected to computers or connected through a switcher, the communication distance should be less than 100M.



#### **®**Power Supply Connection

If using DC12V 2A or above power supply, please use RVV2 \* 0.75mm or above wire connection.



Note: The facial terminal adopts a highly sensitive touch sensing element, and the power requirement is that the output noise of the power supply is less than 100mVpp, otherwise there may be problems such as touch screen interference, insensitive touch, and screen bouncing.

# **Chapter 5 User Operating Instructions**

### 5.1 Main Menu

Click on the "Firmware Version Area" in the bottom left corner (as indicated by the arrow on the main interface in the following figure) to switch to the "Administrator Verification" interface. Verify according to the administrator's registration way (face/palm vein/fingerprint/Mifare card/password) to enter the facial terminal management menu. (Password registration way, you need to click on the middle of keyboard icon, switch to the "Administrator Verification" interface, enter the administrator ID and password, and finally click "Yes") to enter the facial terminal management menu. (If no password or administrator is set, the system will not require to input it)



Main interface

Menu Interface

### 5.2 User Management

Click on "User Management" under the menu to enter the menu status. Under this menu, you can perform operations such as "Register User", "User Browse", "Department Settings", "Backup User Information", and "Restore User Information".

<	User	
Enroll		Ø
🧿 User List		Ø
🕲 Dept.		Ø
👩 Up. Data		Ø
🕤 Down.Data		Ø

**User Management Interface** 

### 5.2.1 Registered Users

Click on "**Register User**" to start registering a new user, enter the number and name, and then click on the "**Register User**" button to select the registration type: Register Face, Register Palm Vein, Register Fingerprint, Register Card, and Register Password.



Register User Interface

Select the "Register Face" button and follow the facial machine prompts to look at the camera to register a face, as shown in the following figure:

+



**Register Face Interface** 

When registering a face, it is necessary to pay attention to the screen. To ensure the quality and accuracy of facial parameter input, maintain a natural expression during the input process. Do not wear hats, glasses, or other accessories that affect facial feature collection. Do not let bangs block facial features or wear heavy makeup.

After register the face and successfully registering, you can continue to choose other registration methods for the device.

Select to register the palm vein, turn your palm towards the camera, move it to the palm vein extraction box on the screen, wait for the palm vein input to be completed, and the device will prompt registration successfully. Click "Yes" to continue registering the palm vein of the other hand, or click "No" to complete the palm vein input. As shown in the following figure:



#### **Register Palm Vein Interface**

Select and click the fingerprint registration button to enter the fingerprint registration interface, enter the fingerprint according to the prompt, press the same finger repeatedly until the progress bar displays 100%, then, the fingerprint registration is successful, the interface is shown in the following figure:



**Registration Fingerprint Interface** 

Select the registration card, and the device will prompt you to read the card. At this time, please swipe the card in the card swiping area of the device.

The facial recognition terminal will recognize the card number, as shown in the following figure. Click "Yes" to complete the registration of the card.



**Register Card Interface** 

Select the registration password, pop up the password input box and numeric keypad, enter the password (password length within 1-8 digits), click "OK", enter it again, confirm the password, click "Yes" to complete password registration, as shown in the following figure:

<	User	Password	
	Input Passw		
	Confirm		
		ОК	

**Register Password Interface** 

#### 5.2.2 User Browsing

Click "User Browse" to check the registered users, which are arranged by default according to

their number size. You can also click on registered users to modify their detailed information. Or can search and display it by flipping the page and clicking on "<" ">" below; and also click below to search for the corresponding registered user by number or name.



#### **User Browsing Interface**

Find the user who needs to be modified, click on the user to view their detailed information. The name, card number, password, department, and permissions of personnel can be modified. For those who have not registered their fingerprint or palm vein, they can click to re-enter the user's fingerprint or palm vein, re record faces or directly delete users. Users can be set as administrators through permission modification.



**Modify User Interface** 

### **5.2.3 Department Settings**

Click on "**Department Settings**" to query or add department information by clicking on the icon in the upper right corner, in order to manage personnel information by department.

<	Department	browse	Q +
	Department nar	me	Operation
	K K 0	/0 >	К

Department Setting Interface

#### 5.2.4 Backup User Information

Click "Backup User Information" to back up the registered personnel information to a USB drive for saving.

#### 5. 2. 5 Restore User Information

Click "Restore User Information" to restore the personnel information saved in the USB flash drive to the facial terminal.

# 5.3 Attendance Rules

Click on "Attendance Rules" under the menu. Attendance settings can be set on this menu.

<	Schedule	
関 Log War	ming	1000 🖉
國 Log pho	oto	
🕘 Late		0min 🔗
関 Early Lea	ave	0min 🖉
🔯 Bell		Ø

#### Attendance Rules Interface

Attendance record warning: Before the storage capacity is about to be full, you can set how many remaining record capacities are left, and the device will start alarming (default is 1000 records).

Number of recognized photos: Can be set to save photos taken by the device in real-time when legal verification is passed

You can set the allowed late time and allowed early leave time, max can be set to 120 minutes.

Click on the timed bell setting, total support 24 sets of bell times. Click on the time section in the timed ringer group to modify the specific time for setting the ringer. Click on "**disable**" to set the ringer duration (0 seconds is the default disabled state, with a maximum setting of 255 seconds), as shown in the following figure:

<	Be	ell
1	00:00	You disabled! 🖉
2	00:00	You disabled! 🖉
3	00:00	You disabled! 🖉
4	00:00	You disabled! 🖉
5	00:00	You disabled! 🖉
6	00:00	You disabled! 🖉
7	00:00	You disabled! 🖉
8	00:00	You disabled! 🖉
9	00:00	You disabled! 🖉
10	00:00	You disabled! 🖉
12	00:00	You disabled! 🖉
13	00:00	You disabled! 🖉

**Timed Ringer Interface** 

## 5.4 Report Management

Click on "**Report Management**" under the menu to enter the report management menu. The "**Company Name**" display in the attendance report can be modified, and the shift schedule and attendance table can be imported and exported through a USB flash drive.

<	Report	
	Company	Ø
2	Dwnld Shift	0
	Upld Shift	Ø
P	Dwnld Report	Ø
	Dwnld File	Ø

**Report Management Interface** 

# 5.5 System Settings

Click on "**System Settings**" under the menu, which includes general settings, advanced settings, recognition settings, and alarm settings.



System Setting Interface

#### **5.5.1 General Settings**



**General Setting Interface** 

The device's clock, sound volume, screen brightness, language, menu password, visitor root password, and interface return time can be set.

The clock can be automatically set for networking or manually, as shown in the following figure.



**Clock Setting Interface** 

The sound volume and screen brightness maximum can be adjusted to 10.

Language include Simplified Chinese, Traditional Chinese, English, Portuguese, Spanish, Russian, French, Japanese, Korean, Thai, and Arabic.

The menu password and visitor root password of the device can be set.

The maximum interface return time can be set to 60 seconds (default is 1 second).

### 5.5.2 Advanced Setting



**Advanced Setting Interface** 

The total number of administrators can be set, maximum is 255 administrators

**Fingerprint Calibration**: Clean the fingerprint head first, then click on sensor calibration to make fingerprint input and recognition more sensitive.

After enabling QR code recognition, you can use the QR code to open the door.

All recorded data and user data in the device can be deleted.

The device can be restored to factory settings.

The automatic restart function can be enabled to set the automatic restart time of the device.

You can upgrade the device firmware through a USB flash drive.

### **5.5.3 Recognition Settings**



**Recognition Setting Interface** 

The device's liveness threshold and recognition threshold can be modified, maximum setting is 99. The higher the threshold, the higher the recognition accuracy, but the higher the requirement for registered photos.

The recognition distance of the device can be adjusted (near, middle, and far).

Liveness detection and infrared image display can be turned on or off.

**Supplement Light Mode**: The supplement light can be set to three modes: off, always on, and automatic. When set to automatic mode, it will automatically light up when someone recognizes it, and automatically turn off when no one recognizes it.

#### 5.5.4 Alarm Settings



**Alarm Setting Interface** 

The tamper alarm, door sensor alarm, illegal verification alarm, and fire alarm of the device can be turned on or off.

The password of force alarm and door opening of device timeout can be set.

Turn off Alarm: Turn off all alarm prompts.

# **5.6 Access Control Setting**

Click on **"Door Access"** under the menu, as shown in the following figure:



Access control setting interface

Entry and exit mode: Can select entry and exit types are either entry or exit;

The lock hold time can be set from 0 to 65535, (0 represents 0.5 seconds, 65535 represents normally opening after verification)

Bistable state: on/off, (the function of opening the bistable state is to legally recognize once open, then legally recognize once again to close, and switch back and forth to open this function);

Verification Mode: Can be set to standard mode, face+password, card+face, and fingerprint+face according to user needs;

The card reading byte and WG output mode can be modified to Wiegand 26 (two bytes, three bytes), Wiegand 34 (four bytes), and Wiegand 66 (eight bytes);

The output content of WG can be modified to number output or card number output;

Can set the door opening of non-registered verification and verification interval.

### **5.7 Record Viewing**

Click on "**Record Viewing**" under the menu. Click on "Search" and enter the number and name to search for all entry and exit records of the personnel with this number from the start time to the end time. As shown in the following figure:

<	Reco	rds	Q Find	<	Log	Searcl
Photo	User Info	ltem	Record time		_	
	00000002 Joe	<b></b>	2023/01/07 04:14:38	User	ID:	
	00000002 Joe	-	2023/01/07 04:14:37	Name	2:	
	00000002 Joe		2023/01/07 04:14:36	Time	2022/12/	6
	00000002 Joe		2023/01/07 04:14:35	$\frown$	] [	^
	00000002 Joe		2023/01/07 04:14:33	202	2 -	12
	00000002 Joe	$\oplus$	2023/01/07 04:14:31	1	2	3
	00000002 Joe	$\oplus$	2023/01/07 04:14:25	4	5	6
	00000002 Joe		2023/01/07 04:14:20	7	8	9
1/7	К		К		0	

#### Record viewing interface

**Attendance Record Search Interface** 

# **5.8 Communication**

Click on "Communication Settings" to enter the communication settings menu. The device port, password, server settings, wired settings, and wireless settings can be modified, as shown in the following figure:



**Communication Settings Interface** 

**Port/Password**: You can modify the device's port number (default is 8101), communication password, and enable or disable the main interface display IP address function, as shown in the following figure:



Port Password Interface

**Server Settings**: When installing this device through our desktop software and selecting real-time monitoring of this device, the software will automatically fill in the settings here, as shown in the following figure:



#### Server Settings Interface

**Wired Settings:** The TCP/IP parameters of the machine can be modified. As shown in the following figure:

<	Ethernet
Enable	
DHCP	
IP Address	192.168.1.150
Netmask	255.255.255.0
Gateway	192.168.1.1
DNSServerIP	192.168.1.1
MAC	D2:C1:14:0A:C1:C4

Wired Settings Interface

The default IP address is 192.168.1.150; The subnet mask defaults to 255.255.255.000 The default gateway is 192.168.1.1; The DNS server IP defaults to 192.168.1.1; The MAC address is fixed and unique.

**Wireless Settings:** You can enable the search to connect to the network, select the wireless network you want to connect to, and click to enter the password to complete the WIFI connection, as shown in the following figure:



**WIFI Setting Interface** 

## **5.9 Device Information**

Click on **"Device Information"** under the menu to query the registration information and device information

The registration information includes: number of administrators, number of user registrations, number of facial registrations, number of fingerprint registrations, number of palm vein registrations, number of Mifare card registrations, number of password registrations, number of attendance logs, and number of identification photos. The number on the left represents the amount of information already in the device, while the number on the right represents the maximum capacity of device registration information, as shown in the following figure:

<	User	Info	
🐻 Admin quantity			0/5
😩 Users quantity			1/20000
😸 Face quantity			1/20000
🌀 Finger quantity			2/10000
🔥 Palms quantity			2/10000
Card registered			1/20000
Password quantity			2/20000
💼 Log quantity			4/1000000
🖾 Log photo			4/50000

**Registration Information Interface** 

The device information includes: manufacturer, website address, reminder information, serial number, factory date, device name, firmware version, algorithm version, and other information. As shown in the following figure:



**Device Information Interface**
# **Chapter 6 Instructions for using the client**

### 6.1 Facial machine installation and settings

By using software to automatically search for devices, all online access controller and facial recognition terminals can be automatically discovered, making it convenient for devices to join the software system. Click on **"Automatic Search"** from the **'Install Device'** drop-down menu on the main interface, as shown in the following figure



Click on "Automatic Search" to enter the interface shown in the following figure:

Auto Search				
Туре				
O RS232/RS485	IAN TCF	P/IP	O WAN	
Port 8101				
	Find 0 control	er		
	Search			•
NO. Sele Type	Model	Description	SN	Installation Status
<				>
Select All	Install		Exit	

TCP/IP LAN Mode: First enter the network port, which defaults is 8101, and then click [Start Search]. (Note: The device must communicate with the computer through a switch), as shown in the following figure:

	A	uto Search				
Туре						
		O RS232/RS485		LAN TCP/IP	C	) wan
	1	Port: 8101				
		7	Controlle	er(s) Searched		
			S	Search	Continue	
NO.	Sele	Туре	Model	Description	SN	Installation Status
1		IP:192.168.1.60:8101		Face Controller	22122202	No (Double-Click)
2		IP:192.168.1.120:8101		Face Controller	23034072	No (Double-Click)
3		IP:192.168.1.116:8101		Face Controller	23034065	No (Double-Click)
4		IP:192.168.1.119:8101		Face Controller	23034080	No (Double-Click)
5		IP:192.168.1.132:8101		Fingerprint Face Controller	66244654	No (Double-Click)
6		IP:192.168.1.157:8101		Face Controller	23034078	No (Double-Click)
7		IP:192.168.1.214:8000		QR Code Access Control	22080060	No (Double-Click)

If the user's device uses TCP/IP communication mode, the device IP address needs to be modified. (When installing the device, the user needs to modify the device IP address and check the device communication password. If device has already changed the communication password, the correct password needs to be entered to allow the IP address to be modified, to prevent others from modifying the device IP through installation software and causing the original user to not communicate.) You can double-click the facial recognition terminal searched and the TCP connection parameter interface will pop up:

0.	IP Property	Value
1	MAC:	2C-88-20-08-60-95
2	IP Address:	192.168.1.151
3	Subnet Mask:	255.255.255.0
4	Default Gateway:	192.168.1.1
5	TCP Port:	0
6	UDP Port:	8101

(Note: This system can search for facial recognition terminal in different network segments from this computer. Before normal communication, the user needs to modify the IP address to the same network segment address as the computer. If the router used by the user supports multi segment mapping function, then the system software can directly communicate with access controllers in other network segments.).

Double click the IP address, subnet mask, and gateway address to change them to the parameters matching the same network segment as the computer IP, click **"Save"** to return to the installation interface, click **"Install Equipment"**, click **"Door Access Control"** on the left column after installation, select the equipment, and click **"Properties"** to pop up the following figure:

Name: 66244654 - 1   SN: Version: 7.24   Description: FC-8255H Fingerprint Face Controller   Remark:   Location:   Default]   Select     Fingerprint Version:   FP:80 / Face:01.00   Factory Date:   2023/04/24   Fingerprint Capacity:   110000   User Capacity:   556\20000   Face Store:   554\20000   Palm Vein Store:   Access Capacity:   0\1000000   System Capacity:   0\20000     Release Time(s):   3 \$   No   Alarm   Remove     Initialization   Initialization   Initialization     Initialization     Initialization     Initialization     Initialization     Initialization     Initialization     Initialization     Initialization     Initialization     Initialization     Initialization     Initialization	Details	Recognition Comm	nunication Administrator	Wiring Diagram
SN: Version: 7.24   Description: FC-8255H Fingerprint Face Controller   Remark:   Location: [Default]   Fingerprint Version:   FP:80 / Face:01.00   Factory Date:   2023/04/24   Fingerprint Version:   FP:80 / Face:01.00   Face Store:   554/20000   Palm Vein Store:   Access Capacity:   01000000   System Capacity:   0120000   Remove   Initialization Initializat	Saste mile County Proce	recognition Comm	infineation / infinitionation	mining biogram
Description: FC-8255H Fingerprint Face Controller   Remark:   Location: [Default]   Fingerprint Version:   FP:80 / Face:01.00   Factory Date:   2023/04/24   Fingerprint Capacity:   110000   User Capacity:   556\20000   Face Store:   554\20000   Palm Vein Store:   Access Capacity:   0\1000000   System Capacity:   0\20000   Renove   Initialization   Initialization   Initialization   Initialization   ading Parameters   Save	Name: 66244654 - 1	🔽 Di	splay on Screen	
Remark:   Location: [Default]   Fingerprint Version:   FP:80 / Face:01.00   Factory Date:   2023/04/24   Fingerprint Capacity:   110000   User Capacity:   556\20000   Face Store:   554\20000   Palm Vein Store:   Access Capacity:   0\1000000   System Capacity:   0\20000   Release Time(s):   3 s   (Range:0.5-65535s) Download Initialization Initialization Initialization Initialization Save Exit	SN:	Versio	on: 7.24	
Remark:   Location: [Default]   Fingerprint Version:   FP:80 / Face:01.00   Factory Date:   2023/04/24   Fingerprint Capacity:   110000   User Capacity:   556\20000   Face Store:   554\20000   Palm Vein Store:   Access Capacity:   0\1000000   System Capacity:   0\20000   Release Time(s):   3 s   (Range:0.5-65535s) Download Initialization Initialization Initialization Initialization Save Exit	Description: FC 0255U Fin	apprint Face Control	lor	Marl.
Location: [Default]       Picture         Fingerprint Version:       FP:80 / Face:01.00       Factory Date:       2023/04/24         Fingerprint Capacity:       1110000       User Capacity:       556\20000         Face Store:       554\20000       Palm Vein Store:       Access Capacity:       0\20000         Release Time(s):       3 s       (Range:0.5-65535s)       Download         Alarm Status       Initialization       Initialization         No Alarm       Initialization       Initialization         ading Parameters       Save       Exit	(*)	gerprint Face Control	iei	
Location: [Default]       Select         Fingerprint Version:       FP:80 / Face:01.00       Factory Date:       2023/04/24         Fingerprint Capacity:       1\10000       User Capacity:       556\20000         Face Store:       554\20000       Palm Vein Store:       0\20000         Access Capacity:       0\1000000       System Capacity:       0\20000         Release Time(s):       3 s <ul> <li>(Range:0.5-65535s)</li> <li>Download</li> </ul> Alarm Status       Initialization         No Alarm       Initialization         Initialization       Initialization	Remark:			Section and
Location: [Default]       Select         Fingerprint Version:       FP:80 / Face:01.00       Factory Date:       2023/04/24         Fingerprint Capacity:       1\10000       User Capacity:       556\20000         Face Store:       554\20000       Palm Vein Store:       0\20000         Access Capacity:       0\1000000       System Capacity:       0\20000         Release Time(s):       3 s <ul> <li>(Range:0.5-65535s)</li> <li>Download</li> </ul> Alarm Status       Initialization         No Alarm       Initialization         Initialization       Initialization				
Location: [Default]       Select         Fingerprint Version:       FP:80 / Face:01.00       Factory Date:       2023/04/24         Fingerprint Capacity:       1\10000       User Capacity:       556\20000         Face Store:       554\20000       Palm Vein Store:       0\20000         Access Capacity:       0\1000000       System Capacity:       0\20000         Release Time(s):       3 s <ul> <li>(Range:0.5-65535s)</li> <li>Download</li> </ul> Alarm Status       Initialization         No Alarm       Initialization         Initialization       Initialization			*	
Fingerprint Version:       FP:80 / Face:01.00       Factory Date:       2023/04/24         Fingerprint Capacity:       1\10000       User Capacity:       556\20000         Face Store:       554\20000       Palm Vein Store:       0\20000         Access Capacity:       0\1000000       System Capacity:       0\20000         Release Time(s):       3 s <ul> <li>(Range:0.5-65535s)</li> <li>Download</li> </ul> Alarm Status       Initialization         Remove       Initialization         Initialization       Initialization         Alarm Status       Save         Exit       Save				
Fingerprint Capacity:       1\10000       User Capacity:       556\20000         Face Store:       554\20000       Palm Vein Store:       Access Capacity:       0\20000         Access Capacity:       0\1000000       System Capacity:       0\20000         Release Time(s):       3 s <ul> <li>(Range:0.5-65535s)</li> <li>Download</li> <li>Initialization</li> <li>Initialization</li> <li>Initialization</li> <li>Initialization</li> <li>Save</li> <li>Exit</li> </ul>	Location: [Default]			Select
Face Store:       554/20000       Palm Vein Store:         Access Capacity:       0/1000000       System Capacity:       0/20000         Release Time(s):       3 s <ul> <li>(Range:0.5-65535s)</li> <li>Download</li> </ul> Alarm Status       Initialization         Remove       Initialization         ading Parameters       Save       Exit	Fingerprint Version:	FP:80 / Face:01.00	Factory Date:	2023/04/24
Access Capacity:       0\1000000       System Capacity:       0\20000         Release Time(s):       3 s <ul> <li>(Range:0.5-65535s)</li> <li>Download</li> </ul> Alarm Status       Initialization         No Alarm       Initialization will empty all data!         Remove       Initialization         ading Parameters       Save	Fingerprint Capacity:	1\10000	User Capacity:	556\20000
Release Time(s): 3 s <ul> <li>(Range:0.5-65535s)</li> <li>Download</li> </ul> Alarm Status         Initialization           No Alarm         Initialization will empty all data!           Remove         Initialization           ading Parameters         Save           Exit           Exit           Save				
Alarm Status       Alarm Status     Initialization       Remove     Initialization       ading Parameters     Save	Access Capacity:	0\100000	System Capacity:	0\20000
No Alarm Initialization will empty all data! Remove ading Parameters Save Exit	Release Time(s): 3 s	•	(Range:0.5-65535s)	Download
Remove     Initialization       ading Parameters     Save	Alarm Status		Initialization	
Remove     Initialization       ading Parameters     Save	Ma	A 1	101000000000000000000000000000000000000	
ading Parameters Save Exit	NO	Alarm	Initialization	will empty all data!
ading Parameters Save Exit				
COTO LAR	Re	move		Initialization
COTO LAR	ading Parameters		L.	
	during r drameters			Save Exit

#### Name: Can be modified according to needs

Unlock Holding Time: can be adjusted according to demand (default is 3 seconds)

Select **"Function Settings"** in the **"Device Details"** interface to set the system functions, access control functions, and alarm functions of the facial terminal. System function settings include language, volume, and menu management passwords; The access control function settings include WG output type, card number byte, entry and exit type, and verification interval. The alarm function settings include tamper alarm, illegal verification alarm, fire alarm, and blacklist alarm. As shown in the following figure:

Door Access Setting       User No.       WG Byte:       MSB First       •         Card Bytes:       3 Bytes(WG26)       •       Entry/Exit:       Entry       •         Verification Interval:       Beep Only       •       Interval Time(s):       3 s       •         Alarm Settings       Tamper Alarm:       ON       •       Blacklist Alarm:       ON       •         Illegal Alarm:       OFF       •       •       •       •       •	System Function S Language: Menu Password: Short Message:	Chinese 0000	•	Volume:	5	•
Card Bytes:     3 Bytes(WG26) <ul> <li>Entry/Exit.</li> <li>Entry</li> <li>Interval Time(s):</li> <li>3 s</li> <li>Alarm Settings</li> <li>Tamper Alarm:</li> <li>ON</li> <li>Blacklist Alarm:</li> <li>ON</li> </ul>	Door Access Settin	gs				_
Verification Interval: Beep Only   Interval Time(s): 3 s  Alarm Settings Tamper Alarm: ON  Blacklist Alarm: ON	WG Output:	User No.	•	WG Byte:	MSB First	-
Alarm Settings Tamper Alarm: ON   Blacklist Alarm: ON	Card Bytes:	3 Bytes(WG26)	•	Entry/Exit:	Entry	-
Tamper Alarm: ON    Blacklist Alarm: ON	Verification Interval:	Beep Only	•	Interval Time(s):	3 s	•
	Alarm Settings					
Illegal Alarm: OFF -	Tamper Alarm:	ON	*	Blacklist Alarm:	ON	•
	Illegal Alarm:	OFF	•			
	Tamper Alarm:		*	Blacklist Alarm:	ON	•

Select "Communication" in the "Device Details" interface, as shown in the following figure:

N Status	
20086095	Device Online
	0.000
ORS232/RS485 OLAN TCP/IP	O WAN
IP: 192 . 168 . 1 . 151	
	Change IP
Test ogin Password:	Unlock
- Controller Time Clock	Computer Time Clock
	Computer Time Clock 2020/11/03 14:39
- Controller Time Clock	2020/11/03 14:39
- Controller Time Clock	2020/11/03 14:39
- Controller Time Clock	2020/11/03 14:39

## 6.2 Adding Face and Authorizing

In [Corporate]-[Card User Database], as shown in the following figure

Software Setting	Device Install	Corporate	Door Access	Attendance
Add Edit Delete	Add to blacklist		ment( <u>2)</u> atabase( <u>3</u> )	ingerprint
Corporation Nam	e	Card U	ser Database( <u>5</u> )	Jser Name
General M	ept] anager's Office	Add Ne Auto Er Importi		
Business	( <mark>-</mark>	Cardho	lder Track( <u>9</u> )	

Click the"Card User Database", as shown in the following figure

Add Edit Delete Add to blacklist Remove		ace And Fingerprint	Search R	G Auto	Enroll Dept F	reassign	🔊	Export	Exit
Department List: Select									
Corporation Name		List: Total:0	- 1	-	() 		1		- 1
	No.	Belec User Name	Worker No	. Department	Departme Ra	ank Gend	Card Code	Card ID	Passworc F
[Default Dept]									
General Manager's Office									
Sales									
Business									
International Business									

#### Click "Add New User", as shown in the following figure

Basic Informati	on					Pi	cture:	-
Name: Step	hanie						0	
Card ID: 0			Select					
🔲 More Form	ats	Fingerp	rints:0 pcs	Faces:0	pcs		W	
Other Informatio	on						480 X 640 pixel	
Password:	******		🔲 Card + PIN	1		Select		Take
Worker No.:	10000		Card Code:				ke by Face Drive	
Religion: I	Han <mark>Nationalit</mark> y	•	Gender:	Male	•	Attendar Auto Shift:	ice Work Normal	•
Department: [	Default Dept]				Select	Туре:	Normal	-
Dept No.: [	Default Dept]							
Rank: \$	Staff	•						

After filling in the user info, you can click "Select" and add the photo uploaded from the local computer to save as a personal photo. And then click "Save".

Photos require a resolution of 480 \* 640 or above (file size: <300KB), clear and unobstructed facial photos (without glasses, masks, or hats), formal, and naturally expressive color photos.

You can also connect an external camera device (traditional USB computer camera) to take photos directly and save them. Click "Take a Picture" to pop up the following page, and click "Take a Picture" to complete. (Note: The face needs to be aligned with the prompt outline for the photo button to display), as shown in the following figure:



Click on "Use a facial terminal to take photos" and the following page will pop up. Click on "Start taking photos" and enroll the face according to the facial terminal prompts. After clicking on "Save", you will return to the add person information page. Editing the information completely, click "Save" again.



Access Level Setting: click "Door Access" - "Access Level Setting", as shown in the following figure

Access Le	vel Setting									
Department: 🔎	All	▼ Time Zone:	01		-	Open Times: Ur	nlimited 👻	Holiday		
Card Type: Sta	Indard	← Expiration:	2088/12/30 💌	23:59			caculated by contro ce when any exit/er			
User List: Sele	ct		Т	otal:2						Total:0
Department	Worker No.	User Name	Card ID	^		Department	Worker No.	User Name	Card ID	~
[Default Dept] [Default Dept]	10000 10001	Stephanie Stephanie	0		>>					
					>					
					<					
					<					
				~						~
Door List: Sele	ct	[ <b>-</b> 1		otal:1				[+ 11		Total:0
Door 20086095 - 1		[Default]		1		Door		Tag Name		^
		[Donom]			>>					
					>					
					<					
				4						Ŷ
Add Access Lev Allow		Allowed & U	Ipload		Delete Acce: D	ss Level relete	Delet	e & Upload	- E	Exit

Select personnel to set the access level, select time zone and opening times, expiration date and doors. After selection, click "Allowed & Upload".

Select all "Users" or select all "Optional Doors"

Select single"**User**"or select single"**Optional Door**"

Delete single "Selected User" or single "Selected User"

Delete all "Selected Users" or all "Selected Doors"

**[ Delete ]** Delete the specified user access level to the selected door, must be in the synchronization of data upload settings, and deleted access level successfully.

**[ Delete & Upload ]** Delete the access level of the user to the selected door and upload it to the controller, and no need to upload to the synchronous data.

**[** Allowed **]** Add the specified user to the selected door access level, must be in the synchronization data upload settings, and added access level successfully.

**[** Allowed & Uploaded ] Add the access level of the specified user to the selected door and

upload it to the controller at the same time, and no need to upload to the synchronous data.

After all permissions are set, uploading the information to the facial machine will take effect.

### 6.3 Record Collection and Viewing

#### 6.3.1 Record Collection

The system has a memory storage function, and each facial terminal can store offline records (even if not connected to the computer, it will automatically store them. Records will never be lost after power off.) Users can choose to extract data to the computer through a USB flash drive.

Click on the "Door Access" drop-down "Download Transaction" and enter the interface shown in the following figure:



Click on the collection record icon to enter the interface shown in the following figure:

Door	Tag Name	
20086095 - 1	[Default]	
Card Event 🔲 Button	🔲 Sensor 🗹 System 🗹 Alarm	

After selecting the facial recognition terminal and record type to be collected, click **[Download Transaction]** and a window will pop up as shown in the following figure:

Door	Tag N	ame	Description	
ownloaded Transa	ction:			
Door	Tag Name	Description	Status	1
20086095 - 1	[Default]	Card Event	Saved:00005,Downloaded:00005	
20086095 - 1	[Default]	System	Saved:00001,Downloaded:00001	
20086095 - 1	[Default]	Alarm	Saved:00001,Downloaded:00001	
20086095 - 1	[Default]	Read Temp Re	Saved:00000,Downloaded:00000	
20086095 - 1	[Default]		Downloaded,photos:5	

Collection completed, click "Back".

If you have already downloaded reading card transaction, you can get all the transaction by "Repair Transaction".

Click **[Door Access]** - **[Download Transaction]** - **[Repair]**, and then pop-up verification window and enter password "0000" (Default Password), as shown in the following figure

Admin Name:	SYSTEM	
Password:		
	ОК	Exit

Download Transactio	on				
Door List:					
Door	Tag Nam	ne		Description	~
	and the second				
					~
Downloaded Transaction	1:				
Door	Tag Name	Description	Status		^
20086095 - 1	[Default]	Card Event		please download.	
20086095 - 1	[Default]	System		please download.	
20086095 - 1	[Default]	Alarm	Repaired	, please download.	
					~
				6	Back
					Dauk

After the repair is completed, click **[Complete]** to return to the collection access control record interface. Select the door to extract the card reading record and the data to be collected, and then click **[Download Transaction]**. After a while, the collection will be completed. At this point, all records in the controller will be collected into the computer, as shown in the following figure:

oor List:				
Door	Tag N	lame	Description	
ownloaded Transa Door	ction:	Description	Status	
20086095 - 1	[Default]	Card Event	Saved:00014,Downloaded:00014	
20086095 - 1	[Default]	System	Saved:00009.Downloaded:00009	
20086095 - 1	[Default]	Alarm	Saved:00009,Downloaded:00009	
20086095 - 1	[Default]	Read Temp Re	Saved:00000,Downloaded:00000	
20086095 - 1	[Default]		Downloaded,photos:14	

Until the collection is completed and click **[Back]**. After the collection of records is completed, then can query the records.

#### 6.3.2 Record Viewing

Please collect records before query records

Click on the software menu [**Door Access**] drop-down menu [**Query Transaction**], as shown in the following figure:



Click on **[Query Transaction]** to enter the interface shown in the following figure:

Tag N	Zone: Time Jame: All	Export	✓ 20	Export factors 20/10/27 Door: User:	es report l	-		≁ 2020/11/3	<ul> <li>▼ 23:59:59 ÷</li> </ul>	
Report NO.	Status Rep Card ID	ort User	Worker No	Departmen	Time	Door	Tag Name	Description	Entry/ Body Temp	
										Double click to see the full size Title Message Card D User Name Worker No. Dept Name Date Week Time Door Tag Name Description Entry/Exit

First collect records, click on "Collect Records". After collecting records, you can query them as needed and enter query criteria. The query criteria can be based on "Time Range", "Name", "Personnel Number", "Card Number", "Department", "Location" to search for relevant records.

Then, click on the "search" icon to find the entry and exit records of relevant personnel, or directly click "**search**", It is possible to query the entry and exit status of everyone, as shown in the following figure:

Department: 🝺 All			Door: User:		- - Car	me d ID:		<ul> <li>✓ 23:59:59 ÷</li> </ul>	
NO. Card ID	User	Marker No	Departmen T	ime f	Door	Tag Name	Description	Entry/ Body Temp	
NO. Caldid	USEI	WOINEI NO	Department	ine r	Dogi	ray Name	Description	Enay body temp	
0001 000000001		1	- 0	020/11/0	20086095 - 1	[Default]	🛀 Face	Entry	
0002 0000000001		1			20086095 - 1	IDefaulti	Face	Entry	
0003 0000000001		1			20086095 - 1	[Default]	Sace	Entry	
0004 0000000000		1			20086095 - 1	Defaulti	Face	Entry	
005 0000000001		1	- 2	020/11/0 2	20086095 - 1	[Default]	Sace	Entry	4000 d9 403 44 50 20
006 000000000		1			20086095 - 1	[Default]	Sace	Entry	Double click to see the fu
007 0000000001	-	1	- 2	020/11/0 2	20086095 - 1	Defaulti	Sace	Entry	Title Message
008 000000001	-	1	- 2	020/11/0 2	20091020 - 1	[Default]	Fingerprint	Entry	Card ID 000000001
009 000000001	I -	1	- 2	020/11/0 2	20091020 - 1	[Default]	Fingerprint	Entry	User Name - Worker No. 1
010 0000000001	-	1			20091020 - 1	[Default]	Fingerprint	Entry	Dept Name -
011	-	-	- 2	020/11/0 2	20091020 - 1	[Default]	Power on	Entry	Date
012	-		- 2	020/11/0 2	20091020 - 1	[Default]	DisConnect LAN	Entry	Week
013	-	-	- 2	020/11/0 2	20091020 - 1	[Default]	Connect LAN	Entry	Time 2020/11/03
014	-	-	- 2	020/11/0 2	20091020 - 1	[Default]	DisConnect LAN	Entry	Door 20086095 -
015	-	-	- 2	020/11/0 2	20091020 - 1	[Default]	Connect LAN	Entry	Tag Name [Default] Description Face
		-	- 2	020/11/0 3	20091020 - 1	[Default]	Power on	Entry	Entry/Exit Entry

You can also export the queried records and click **"Export"** to export personnel entry and exit records.

# **Chapter 7 Cloud System Operation Instructions**

#### 7.1 Installing Facial Terminal

Firstly, set the communication parameters of the facial terminal. Select [Communication Settings] from the main menu of the facial terminal, and then select [Server Settings] to set the corresponding parameters. The reference settings are shown in the following figure:



Connect to the network, configure the parameters, click Test Connection, and the prompt "Success" indicates that the connection is complete.

PC search website: **yun.pc15.net**, log in the cloud platform account of the One Card Management Platform, as shown in the following figure:

	ne-Card Cloud anagement Platform		Welcome: Syste	m Cloud Visitor	Cld Version	출출 Full Scree	n @Helj	p 🖶 Language 🕐 Exit
ය Home	Total	Device Information				88	Shortcut Me	enu
A Personnel	× Goo 1 Users			Î¥]				
🖪 Door	Total Staff	Door	Attendance 0	Deduction 0	Others 0		Door	Attendance Consumption
ditendance	3 Pcs Total Number of	Online	Online 3	Online O	Online O		Water	Electric Lift Access
₩ Lift	Devices	Offline	Offline	Offline Use	Offline Use		Visitor	Parking Guard Lot Tour
Consumption	V Door Lift					⊻	Related Do	
Water	Event Week Mon	h				0	[Ţ]	
& Electric	0.8-0.6-						Driver	Cloud Android App
. Guard Tour	V 0.4- 0.2-					0	Total numb	Platform er of events in 48 hours
@ System	v 2023-04-17 2023-04-17	19 2023-04-21	2023-04-23	2023	04-25		evice	Event Time
	Total number of events	1	🗿 Package: Free Ed	lition (Capacity:500	DM)			
	2		Access Records:		ed Capacity : 0.08%			
	1.5		Consumption Rec Photos Records:		ed Capacity : 0.00% ed Capacity : 0.50%			
	0.5		System Records		ed Capacity : 0.30%			
	0 Total Normal	Abnormal Alarm	Language of the second s	Buy Space				

Click on the **[Door Access]** - **[Install]** pop-up interface in the directory bar, enter the SN code of the device to be installed, and click "Yes", as shown in the following figure:

	ne-C lanaç	ard Cloud gement Pla	atform				Welcome: Sys	tem Cloud Visitor	⊡Old Version 53 Fi	ull Screen ⑦He	elp 🖶 Langua	ge 🔥 Exit
🔓 Home		⊙ Install	Delete	💂 Soft-pulse Open	Soft-pulse Close	More	Q Search	् Refresh				
<b>≙</b> Personnel		Installatio	on Location		Instal	l the Contro	ller	Location	SN	Online Status	Version	Operation
🗎 Door						1000		No Data				
Device Location												
Door Access							i in					
Online Transaction					15:20							
Access Level												
Alarm Center							1					
Alarm Setting					* Please	enter the SN c	ode:					
Access Level Manage	~					Enter SN	0/16					
							Settir	ng				
Other Functions						/es No			Last Page 1 Next	Page Total 0	30/page G	o to 1 Page
Report				Col	ntroller Status			_	_			~
i Attendance				Cont	troller Status		Working Mode		Door Sensor		Relay:	
				Nor	mal Open:	L	ocked Status:		Anti-Tamper:		Sensor Alarm	:
🛱 Lift				For	ce Alarm:	C	vertime Alarm:		Blacklist Alarm:		Fire Alarm:	
					-				-		-	
Consumption				Bar	idit Alarm:	Smol	ting Sensor Ala	ırm:	Tamper Alarm:		Arming:	

In the pop-up installation interface, the installation interface is shown in the following figure. Select the location to install, select the basic parameters of the device, and then click **[Install]** in the

bottom of right corner. At this time, the device installation will be successful.



### 7.2 Add personnel and authorization

#### 7.2.1 Add User

Click **[Personnel]** - **[Add]** to open the **[Card User Database]** interface, enter the personnel information to be added, and click OK, as shown in the following figure:

	Home <b>Personnel</b> D	oor Attendance Lift Co	nsumption Water Elect	ric Guard Tour Meeting	Visitor Parking Video	System
Lepartment	⊙ Add ∠ Edit 👘	Delete 🛛 🐵 Dept Reassign	Add to blacklist	r Export → Import	O Search G Reload	<ul> <li>Data Acquisition</li> </ul>
Basic Info	Department		Number	Name	TableFields.persona	I.Finger Departm
A Card Database			Add	_		×
∞ Blacklist	Basic Profile	Other information ID pho	oto Fingerprint Manage	ment		
	* User Name		Card ID	Reading		
	Worker No.		Department	Default Department	•	
	Telephone		Gender	Male		
	Password	0000	Email			
	Country	无 ~	Nationality	No		
	Dept Name	无 ~	Nation	No	Select photo	Take
						·······
	2		Reading identification card	Save Exit		

#### 7.2.1 User Authorization

Click **[ Door ]-[ Access Level ]**, select the personnel who need to set access control permissions, and then click on "Next", as shown in the following figure:

- [>] : Select "User"
- 【 <】: Delete "The Selected User"
- [>>] : Select "All Users"
- 【 << 】: Remove "All Selected Users"</pre>

Select the personnel who need to set access control permissions, and after selecting them, click Next, as shown in the following figure:

		Home	Personne	e <u>Door</u>	Attenda	nce Lif	t Consum	ption Wa	ter Electric	Guard To	ur Meetir	ng Visitor	Parking	Video	System				Welc	ome:SYSTEM	23 @	® 🖸 🖕
Device Location		C Refre	esh C	Filter																		
Door Access	¢	Optional Us	er: Afters Nam		s, please clic No.	k the "Next			Dept						Selected	(Selected ) Name	No.			Dept		
Online Transaction			Stepha	anie	1				Default D	ept.										Contract.		
Access Level																		No Data				
Alarm Center																						
📋 Alarm Setting	$\sim$																					
Access Level Manage	$\sim$																					
88 Additional Features	$\sim$												>									
Report	$\sim$												<									
									< 1	1 > Total	1 50/pi	age 🖂								< 1 >	Total 0	50/page 👋
												Select	all Next	t Step						(活 Windo 到"设置"以激		/S <sub>0</sub>

According to actual needs, select parameters such as opening time zone, opening times, validity period, door name, installation location, etc., and select the door for authorization, as

shown in the following figure:

[Delete] : Delete the specified user's access level of the selected door.

(Allow) : Add the specified user's access level of the selected door.

	esh Q Filter									
		ers, please click the "Next"			Selected Us	ser: (Selected)				
$\checkmark$	Name	No.	Dept			Name	No.		Dept	
	Stephanie	4	默认部门							
								No Data		
				_						
				>						
				<						
			< 1 > Total 1 50/page ~						_	
			SU/page *						< 1 > Total 0 50/	/page 👋
			Sele	ct all Next Step						

#### 7.3 Record Viewing

Click on **[Door Access]** in the left column of the **[Access Report]** page, select the records you want to view or export, including access records, alarm records, and system records.

Click the search button to filter the records of the facial terminal you want to view according to the requirements, as shown in the following figure:

Click the export button on the left side of the search button to export the Excel table for the required records.

Device Location	Gittenesii	© Refresh										
Door Access	User Name	User No.	Card No.	Department	Tag Name	Door Name	Event Time	Event Type	Access Type	TableFields.entryExitRe cords.imageaddr	TableFields.entryExitF cords.BodyTemperatu	
Online Transaction						No data						
Access Level												
Alarm Center												
Alarm Setting	1											
Access Level Manage	/											
Additional Features	/											
Access Records												
Alarm Records												
System Records												

### **Appendix 1 Precautions for Installation Process**

1. Before and during installation, please ensure that the power is turned off. If operated with power, it may damage the equipment circuit.

2. After the wiring is completed, please wrap the excess wire ends to avoid short circuits.

3. In areas with severe static electricity or in winter, please connect the ground wire before installation to prevent excessive instantaneous static electricity from damaging the equipment.

4. Please connect other cables before connecting the power cable. If you find that the device cannot operate properly, please disconnect the power cable first and then conduct necessary inspections.

5. Please test the door switch when there is someone outside the door to avoid accidental issues that may cause it to be locked inside the door.

6. The rated working voltage of this device is DC 12V and the rated current is 2A. The power supply should also consider the current requirements of accessories such as the electric lock, to avoid problems such as unsuccessful startup of the facial terminal or weak electric lock drive caused by abnormal power supply if the power supply does not meet the requirements.

7. If the facial terminal power is provided by the access control board, please refer to whether the power output of the access control board meets the power requirements of the facial terminal.

8. Please ensure that the camera area of the facial terminal is always in a clean state to avoid stains affecting facial recognition.

9. If the distance between the power supply and the device is relatively long, do not use network cables or other types of cables to replace the power cable. When selecting a power cable, consideration should be given to voltage attenuation caused by excessive transmission distance.
10.Avoid direct exposure to strong light on the face terminal lens, as strong light can lead to poor

recognition ability.

11. In a strong backlight environment, if the face recognized by the facial terminal is too black and recognition is affected, please increase the supplement light to increase the brightness of the face,

which can improve the recognition effect.

12. Use high-quality power supply to avoid the impact of poor quality power supply on facial recognition and touchscreen insensitivity. (Poor quality power supplies may burn out the motherboard due to leakage)

13. If installed on strong current equipment such as a turnstile gate, please connect the ground wire to avoid strong current leakage or motor interference affecting the effectiveness of the facial terminal.

# **Appendix 2 Introduction to Face Enroll and Usage**

The schematic diagram for adjusting the size of face enroll is shown in the following figure



In order to ensure the quality and accuracy of the parameter enrolled of the face terminal, keep a natural expression during the enroll process. Please do not wear a hat, glasses and other factors to affect the face enrolled, do not let the bangs cover the face, and do not wear heavy makeup. Please try to put your face in the center.

When using face terminal, you should pay attention to the camera and avoiding excessive coverage of eyes, hats, and masks.



# **Appendix 3 Device Dimension**

**Dimensional Diagram of ModelA** 



**Dimensional Diagram of Mode B** 





Dimensional Diagram of Mode C