

MANAGEMENT MANUAL

BDS-8W(-1), BDS-8THA(-1), BDS-8FHA(-1)

BDS MANAGEMENT SOFTWARE

24/7 TECHNICAL SUPPORT AT 1.877.877.2269 OR VISIT BLACKBOX.COM

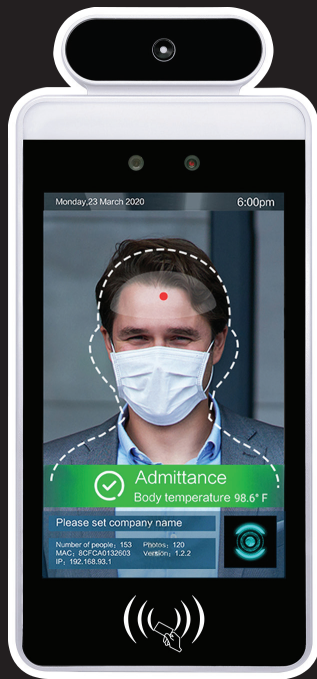


TABLE OF CONTENTS

CONTENTS	
1. INSTALLATION AND LOGIN	5
2. CONSOLE	6
3. DEVICE MANAGEMENT	7
3.1 DEVICE LIST	7
3.1.1 PARAMETER SETTINGS	7
3.1.2 POWER CONTROL	8
3.1.3 BODY TEMPERATURE TEST	8
3.1.4 CLIENT UPGRADE	9
3.1.5 VOLUME SETTINGS	9
3.1.6 AUTO-START	10
3.1.7 APPLICATION DAEMON	10
3.1.8 OPEN THE DOOR REMOTELY	11
3.1.9 DELETE	11
3.1.10 MOVE GROUP	11
3.1.11 PERSONALIZE LIST	12
3.1.12 DEVICE DETAILS	12
3.1.13 DEVICE MONITORING	14
3.1.14 GROUPING OPERATION IN BULK	15
3.1.15 DEVICE GROUPING MANAGEMENT	15
3.2 APK LIST	15
3.2.1 DELETE APK	15
3.2.2 NEW APK	16
4. PERSONNEL MANAGEMENT	17
4.1 EMPLOYEE LIST	17
4.1.1 ADD EMPLOYEE INFORMATION INDIVIDUALLY	17
4.1.2 IMPORT EMPLOYEE INFORMATION IN BULK	18
4.1.3 IMPORT PORTRAIT PHOTOS IN BULK	19
4.1.4 EXPORT EMPLOYEE INFORMATION	20
4.1.5 REFRESH EMPLOYEE INFORMATION	20
4.1.6 STAFF DETAILS AND EDITING	21
4.1.7 EMPLOYEE GROUPING MANAGEMENT	22
4.2 VISITOR MANAGEMENT	22
4.2.1 ADD VISITOR INDIVIDUALLY	22
4.2.2 EXPORT VISITOR INFORMATION	23
4.2.3 REFRESH VISITOR INFORMATION	23
4.2.4 VISITOR DETAILS AND EDITING	24
4.2.5 VISITOR GROUPING MANAGEMENT	24
4.3 BLACKLIST MANAGEMENT	25
4.3.1 ADD BLACKLIST INDIVIDUALLY	25
4.3.2 EXPORT BLACKLIST	26



TABLE OF CONTENTS

4.3.3 REFRESH BLACKLIST INFORMATION	26
4.3.4 BLACKLIST DETAILS AND EDITING	26
4.3.5 BLACKLIST GROUPING MANAGEMENT	26
5. PASS MANAGEMENT	27
5.1 PASS RECORDS	27
5.1.1 EXPORT	27
5.1.2 EXPORT RECORDS	28
5.1.3 CLOSE DISPLAY SETTINGS	29
5.1.4 DELETE SETTINGS	30
5.2 PASS PERMISSION	31
5.2.1 EMPLOYEE PASS PERMISSION SETTINGS	31
5.2.2 VISITOR PASS PERMISSION SETTINGS	33
5.2.3 REVOKE PERMISSION	34
5.2.4 REFRESH PERMISSION INFORMATION	34
5.3 BLACKLIST MONITORING	34
5.3.1 BLACKLIST MONITORING SETTINGS	34
5.3.2 IDENTIFICATION RECORD QUERY	35
5.3.3 REMOVE MONITORING	36
5.4 PERMISSION RECORDS	37
6. SYSTEM MANAGEMENT	38
6.1 GROUP STRUCTURE	38
6.1.1 ATTRIBUTION OF BUSINESS DATA	38
6.1.2 GROUP MANAGEMENT	38
6.1.3 USER MANAGEMENT	39
6.2 ROLE MANAGEMENT	40
6.3 BUSINESS MANAGEMENT	41
6.4 SYSTEM LOG	42
6.5 SYSTEM SETTING	42
7. ATTENDANCE MANAGEMENT	45
7.1 ATTENDANCE RULES	45
7.1.1 SHIFT SETTINGS	45
7.1.2 HOLIDAY SETTINGS	46
7.1.3 PUBLIC HOLIDAY SETTINGS	47
7.1.4 DEVICE GROUP SETTINGS	48
7.2 ATTENDANCE RECORDS	49
7.3 ATTENDANCE STATISTICS	51
8. CLIENT FUNCTIONS	53
8.1 CLIENT LOGIN	53
8.2 APPLICATION SETTINGS	54
8.2.1 DEVICE NAME SETTING	54
8.2.2 BODY TEMPERATURE SETTING	55



TABLE OF CONTENTS

8.2.3 IDENTIFICATION PARAMETER SETTING	56
8.2.4 VOLUME SETTING	57
8.2.5 START-UP SETTINGS	57
8.2.6 APPLICATION INFORMATION SETTINGS.....	58
8.2.7 RECOGNITION EFFECT DISPLAY	58
8.2.8 APPLICATION PASSWORD SETTINGS	59
8.2.9 CAMERA PREVIEW RESOLUTION SETTING	59
8.2.10 SCREEN-SAVER BRIGHTNESS SETTING	60
8.2.11 DEVICE RESTART TIME SETTING	60
8.2.12 RELAY SETTINGS	61
8.2.13 OTHERS.....	61
8.2.14 APPLICATION INITIALIZATION	62
8.3 FACE PORTRAIT ENTRY	63
8.4 PERSONNEL IMPORT IN BULK.....	63
8.5 PASS RECORDS.....	65
8.6 APPLICATION INFORMATION	66
8.7 FACE DATABASE	66
8.8 IDENTIFY THE HOME PAGE	67
8.9 OTHERS	67
A.1 DISCLAIMER.....	68
A.2 TRADEMARKS USED IN THIS MANUAL	68



CHAPTER 1: INSTALLATION AND LOGIN

1. INSTALLATION AND LOGIN

One-click installation: Double-click the exe installation file and follow the installation instructions for quick installation.

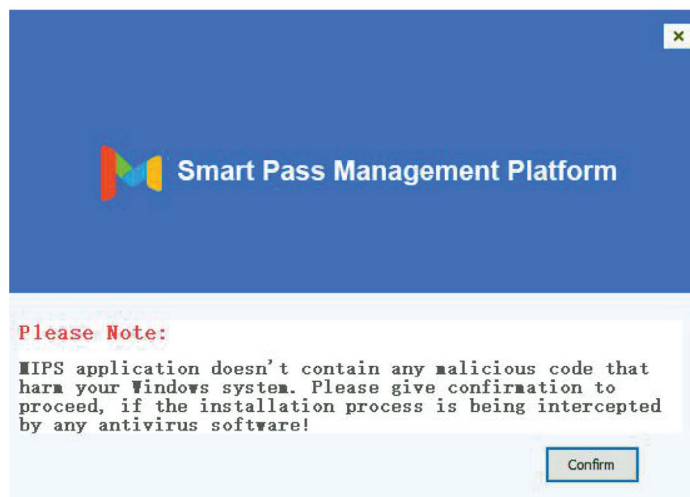


FIGURE 1-1. INSTALLATION SCREEN

NOTE: If the installation process is blocked by a system firewall or third-party antivirus software, always choose to allow the program to operate. Otherwise, the installation process may fail and become unusable.

After the program is installed, the application service is automatically started by default.

After the start-up is complete, click the "Copy" button. Open the Chrome® browser and paste the link to open the application service background. Enter your username and password to log in. (The default user name: admin; password: 123456)

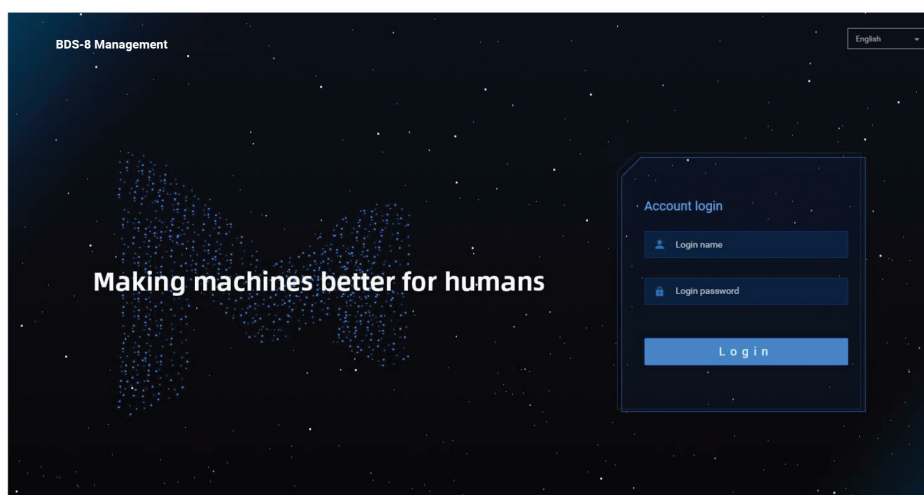


FIGURE 1-2. LOGIN SCREEN

Application system upgrade: You only need to overwrite and install the application system software version installation package higher than the current version.

CHAPTER 2: CONSOLE

2. CONSOLE

The console provides an overview of the number of devices and online status; statistics on the face scan (total face scan, employee face scan, visitor face scan, stranger face scan); today's pass and realtime monitoring (employees, visitors, blacklists, and body temperature); and provides quick access to view details.

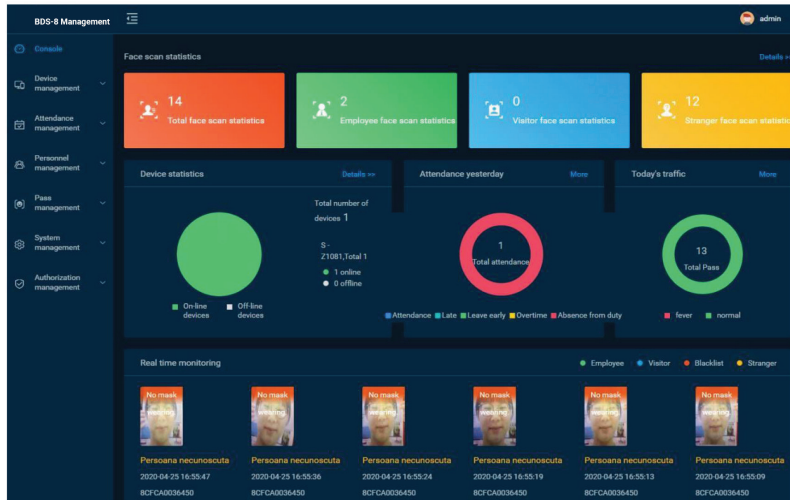


FIGURE 2-1. CONSOLE SCREEN

CHAPTER 3: DEVICE MANAGEMENT

3. DEVICE MANAGEMENT

3.1 DEVICE LIST

[Device List] It contains all device information connected to the system. You can perform single, multiple, and grouping management operations on the device.

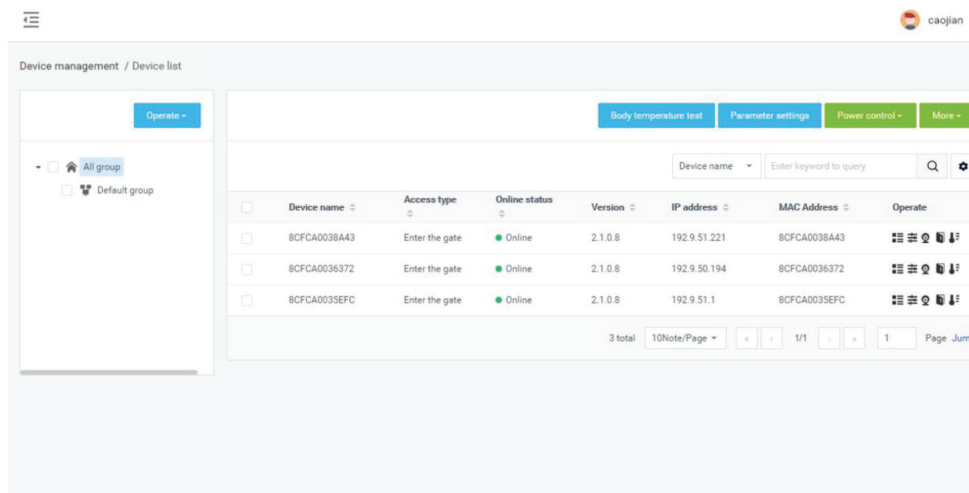


FIGURE 3-1. DEVICE LIST

3.1.1 PARAMETER SETTINGS

Select the specified device in [Device List] and click Parameter settings to configure the parameter information of the device, as shown in the figure below:

The screenshot shows a 'Parameter settings' dialog box with the following fields:

- Company name: dddsssss
- Password setting: q
- Similarity: 80
- Recognition interval: 10000
- Serial mode: No output
- Serial port personalize: {idcardNum}
- Wiegand output: Output IC card numbersW526
- Relay control: Modes1, Delay: 5
- Access type: Enter the gate
- ID card: Off
- Voice mode: Broadcast name
- Voice personalize: (name)
- Display mode: Display name
- Display personalize: (name)
- Stranger voice mode: Stranger alarm
- Stranger voice personalize: Stranger recognition
- Living identification level: Quick identification (recommend it when someone on duty)
- Recognition distance: 1.50
- IC card: Swipe the cards
- Red photo flood lamp: On

Buttons for 'Cancel' and 'Sure' are located at the bottom right.

FIGURE 3-2. PARAMETER SETTINGS SCREEN

CHAPTER 3: DEVICE MANAGEMENT

3.1.2 POWER CONTROL

Select the device in [Device list] and click “Shutdown”, “Restart”, and “Reset” under “Power Control” to remotely shut down, restart, and reset the device.

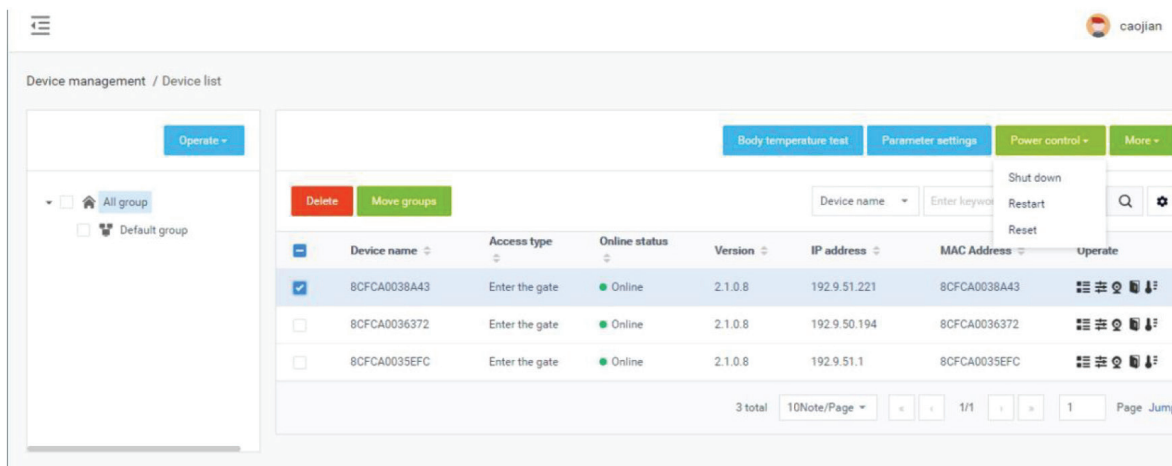


FIGURE 3-3. POWER CONTROL SCREEN

3.1.3 BODY TEMPERATURE TEST

Select the device in [Device list], or select the group, and click “Body temperature detection” to set the parameters of temperature detection: temperature detection switch (default on), alarm threshold (default 37.3) and alarm switch, compensation temperature, Centigrade or Fahrenheit, mask settings (default off), etc.

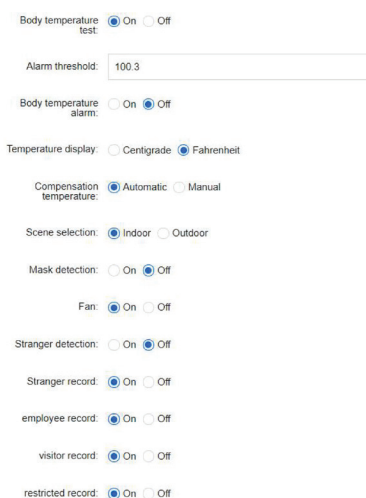


FIGURE 3-4. TEMPERATURE DETECTION SCREEN



CHAPTER 3: DEVICE MANAGEMENT

3.1.4 CLIENT UPGRADE

Select the device in [Device list] and click “More-Client upgrade” to enter the device software upgrade page. On this page, you can see the list of uploaded device software. Select the software version of the device to be upgraded and click the upgrade button to complete the device software upgrade operation. It supports online and offline upgrade operation.

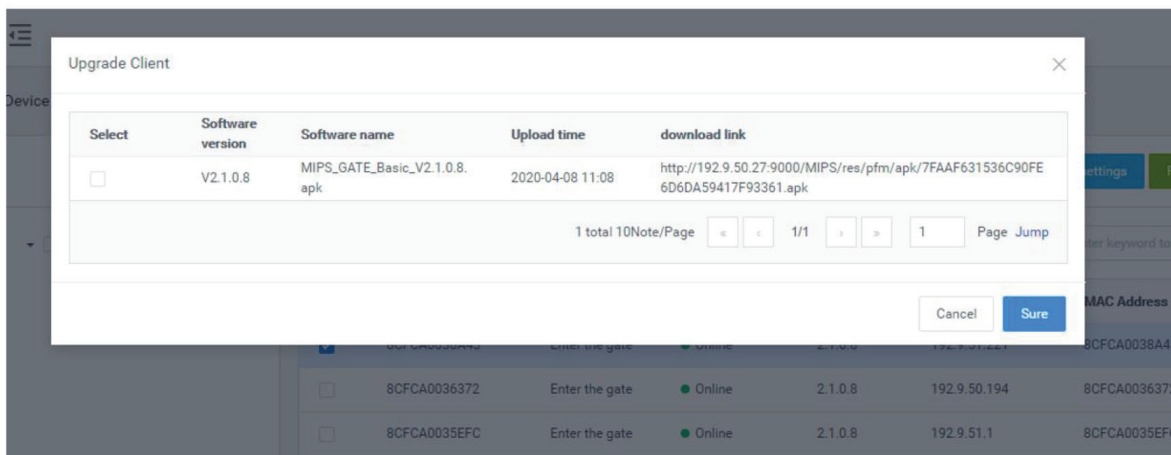


FIGURE 3-5. UPGRADE CLIENT SCREEN

3.1.5 VOLUME SETTINGS

1. General settings: Select the device in the [Device List] and click “More-Volume setting” to set the volume of the selected device. The volume value can be set between 0 to 100 and the default is 20.
2. Silent setting: Select the device in [Device list], click “More-Volume setting”, and select “Silent mode” in the pop-up tab.

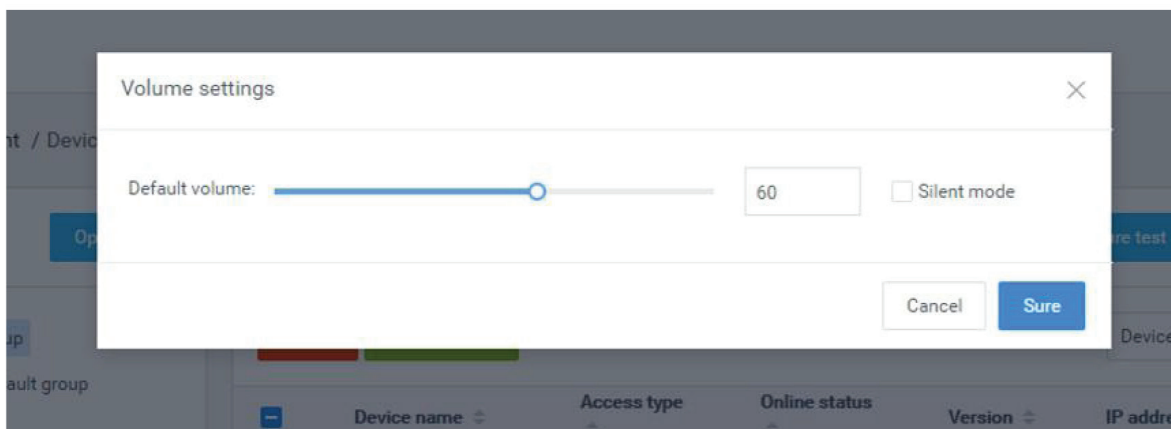


FIGURE 3-6. VOLUME SETTINGS SCREEN

CHAPTER 3: DEVICE MANAGEMENT

3.1.6 AUTO-START

Auto-start: When enabled, the application will start at start-up, and when it is closed, it will not start at start-up. In [Device list], select the devices that need to be set to start automatically, and click the “More-Auto-start” button to enable or disable this function.

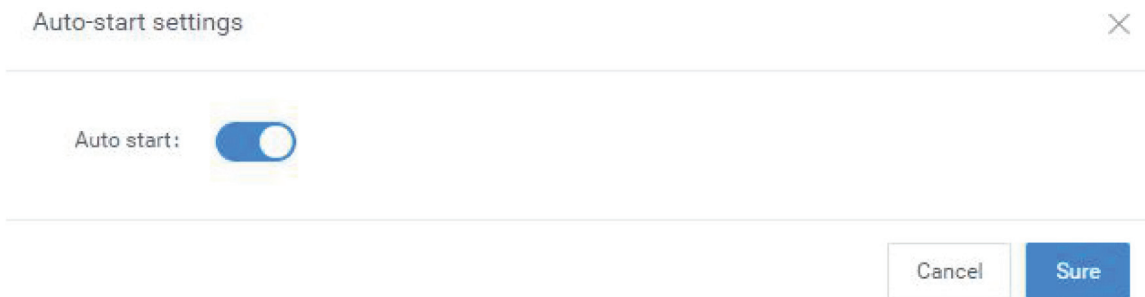


FIGURE 3-7. AUTO START SCREEN

3.1.7 APPLICATION DAEMON

Application daemon: When this function is enabled, the application will automatically jump back to the playback interface within one minute after exiting the application page. When it is disabled, it will not automatically jump back. In [Device list], select the devices that need to set application daemon, and click the “More-Application daemon” button to enable or disable this function.

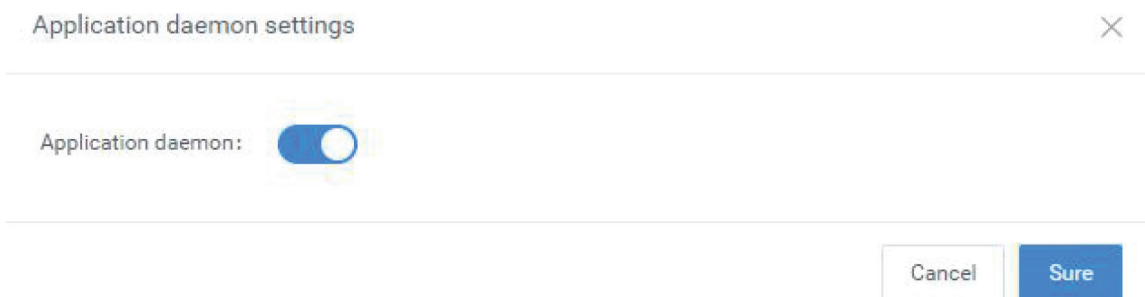


FIGURE 3-8. APPLICATION DAEMON SCREEN

CHAPTER 3: DEVICE MANAGEMENT

3.1.8 OPEN THE DOOR REMOTELY

After comparing to the device records in [Device list], click the “Open the door remotely” button to open the corresponding gate.

3.1.9 DELETE

Select the device to be deleted in the [Device list] and click the “Delete” button to complete the delete operation. Only offline devices are supported. It supports single or multiple device operations.

3.1.10 MOVE GROUP

In [Device list], select the devices that require mobile grouping, and click “Mobile Grouping.” In the pop-up window, select the target group you want to move to, and you can complete the group move operation after you confirm it. It supports single or multiple device operations.

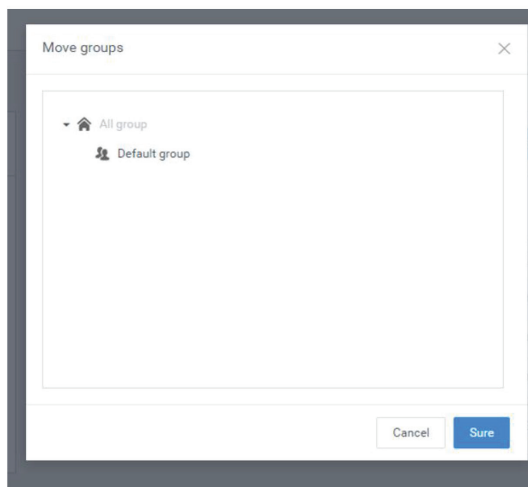


FIGURE 3-9. MOVE GROUP SCREEN

CHAPTER 3: DEVICE MANAGEMENT

3.1.11 PERSONALIZE LIST

The information displayed in the list can be selected as needed in the Personalize list.

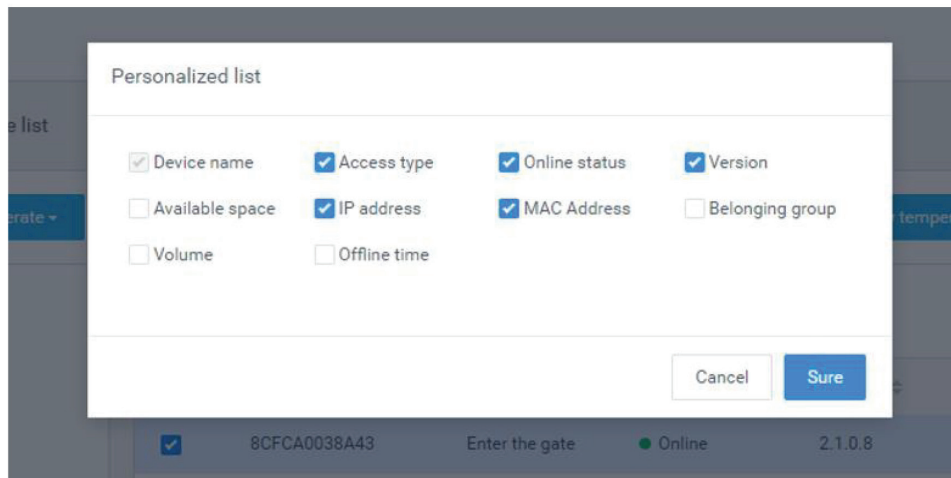


FIGURE 3-10. PERSONALIZE LIST SCREEN

3.1.12 DEVICE DETAILS

The device details include basic information, device settings, and remote operation.

Basic information: View device information, edit device name, device address, etc.

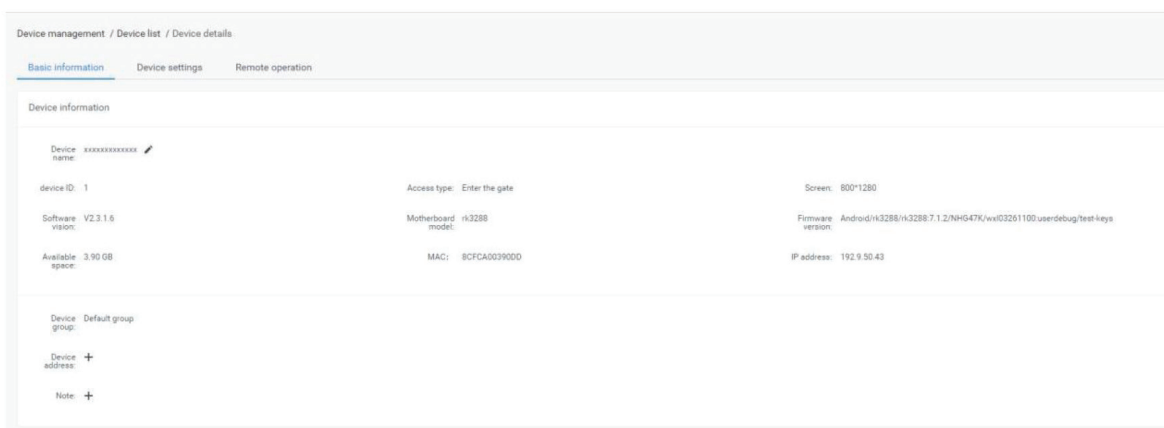


FIGURE 3-11. BASIC DEVICE DETAILS SCREEN

Device information: You can view and modify device parameter information, display settings, and other settings.

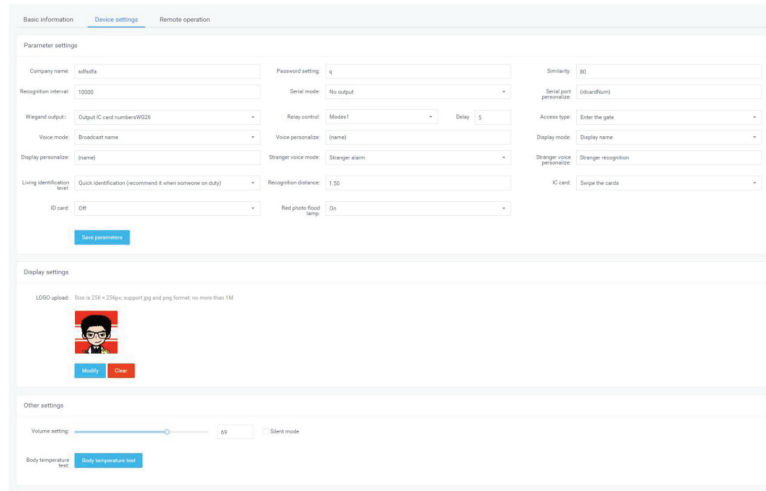


FIGURE 3-12. DEVICE INFORMATION DETAILS SCREEN

Device operation: restart, shutdown, reset and remote door opening.



FIGURE 3-13. DEVICE OPERATION DETAILS SCREEN

CHAPTER 3: DEVICE MANAGEMENT

3.1.13 DEVICE MONITORING

Device monitoring includes two parts: real-time monitoring and log monitoring.

Real-time monitoring: You can view the device name and online status, and load and display the current screen of the device. You can also restart and shut down.

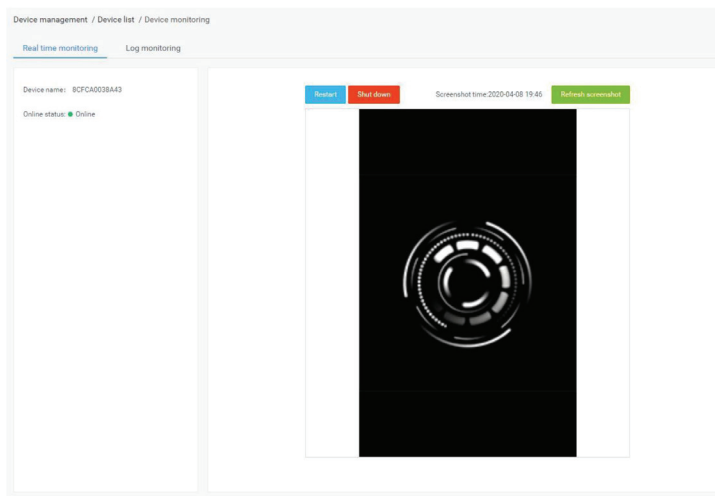


FIGURE 3-14. REAL-TIME MONITORING SCREEN

Log monitoring: View related operation logs of the device.

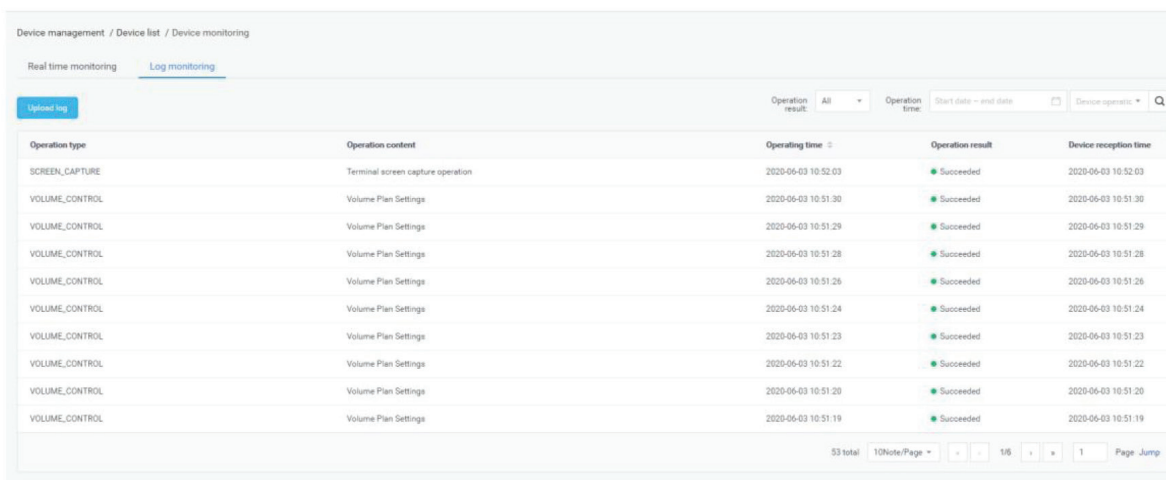


FIGURE 3-15. LOG MONITORING SCREEN

CHAPTER 3: DEVICE MANAGEMENT

3.1.14 GROUPING OPERATION IN BULK

Batch operations can be performed in the device group by selecting the device group. It supports parameter setting, shutdown, restart, reset, client upgrade, volume setting, auto start, and application daemon for the entire device group, as shown next.

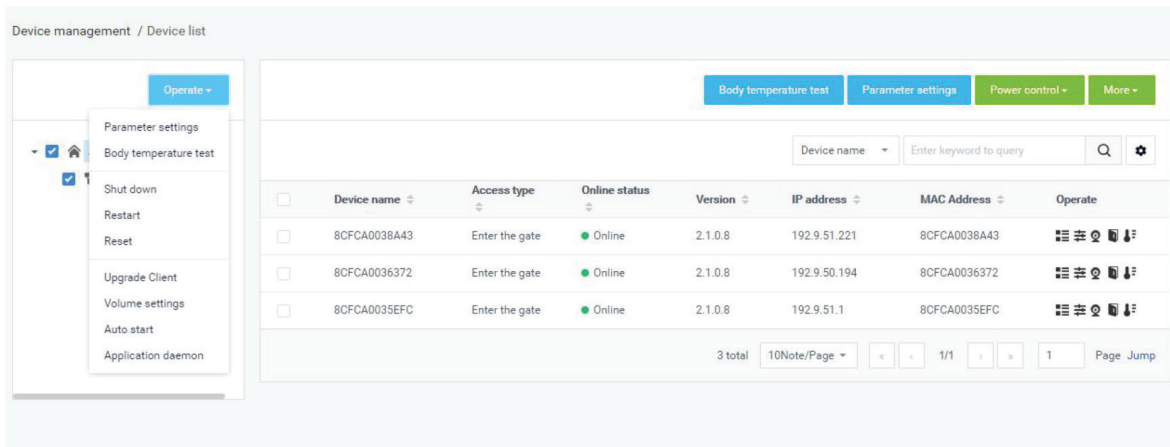


FIGURE 3-16. BATCH OPERATIONS SCREEN

If there is no device under the selected group, a prompt will pop up: there is no device under the selected group, please select again. If there are devices under the selected group, the original settings will be overwritten after the batch setting is prompted.

3.1.15 DEVICE GROUPING MANAGEMENT

Device grouping uses structure grouping by default. Each user group has a default device group. You can add, modify, and delete device groups on the user group. The operation is similar to the user grouping in [Group structure].

3.2 APK LIST

[APK list] The page contains client software list information and software version upload and delete operations.

3.2.1 DELETE APK

Select the software version to be deleted in the APK list, and click the trash can icon.

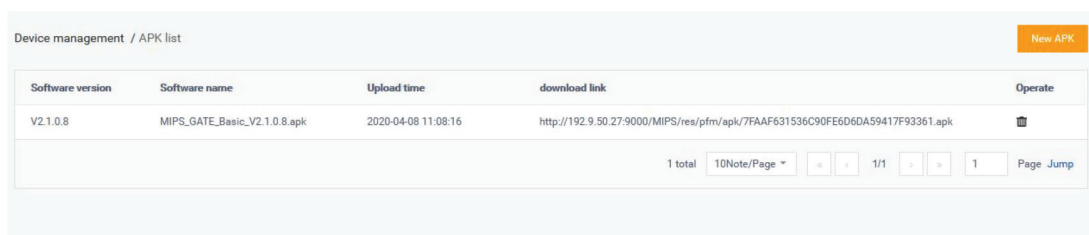


FIGURE 3-17. DELETE APK SCREEN

CHAPTER 3: DEVICE MANAGEMENT

3.2.2 NEW APK

Click to open the [Version Upload] page, and upload software files on this page.

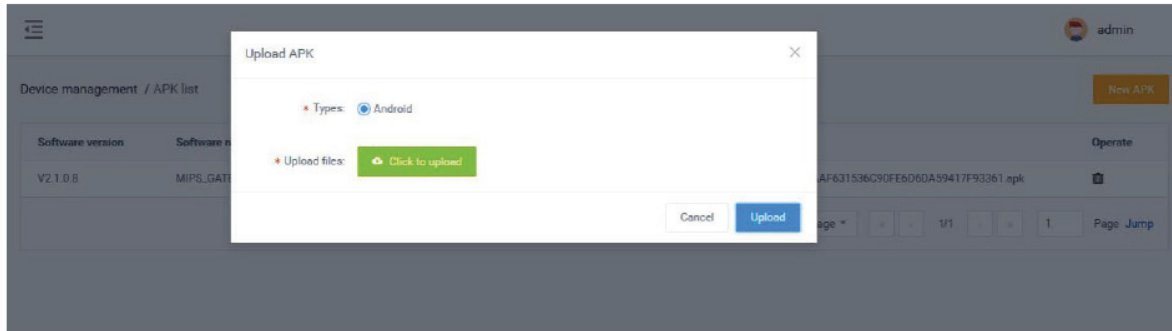


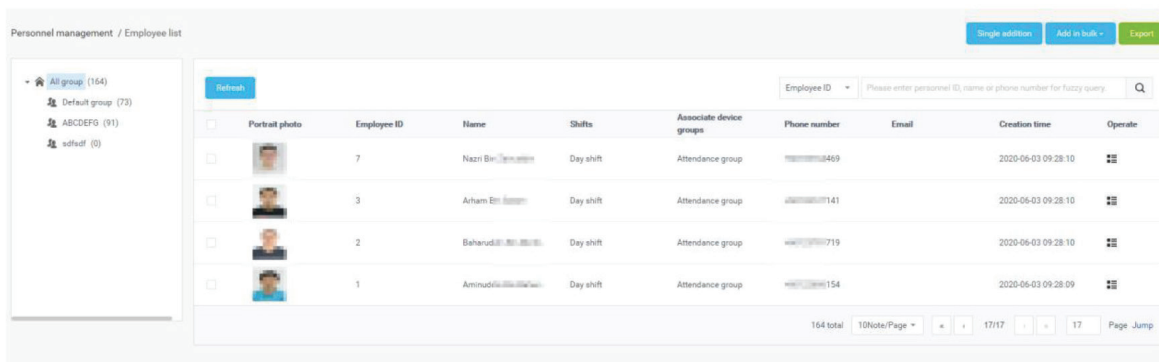
FIGURE 3-18. NEW APK SCREEN

CHAPTER 4: PERSONNEL MANAGEMENT

4. PERSONNEL MANAGEMENT

4.1 EMPLOYEE LIST

The employee list is used to manage employee information, such as viewing, adding, editing, and exporting employee information. Employee information can be added individually or in bulk. The batch adding operation requires information import in bulk first, and then portrait import in bulk.



Portrait photo	Employee ID	Name	Shifts	Associate device groups	Phone number	Email	Creation time	Operate
<input type="checkbox"/>	7	Nazni Bin [redacted]	Day shift	Attendance group	[redacted]469		2020-06-03 09:28:10	<input type="checkbox"/>
<input type="checkbox"/>	3	Arham Bin [redacted]	Day shift	Attendance group	[redacted]141		2020-06-03 09:28:10	<input type="checkbox"/>
<input type="checkbox"/>	2	Baharud Bin [redacted]	Day shift	Attendance group	[redacted]719		2020-06-03 09:28:10	<input type="checkbox"/>
<input type="checkbox"/>	1	Amrud Bin [redacted]	Day shift	Attendance group	[redacted]154		2020-06-03 09:28:09	<input type="checkbox"/>

FIGURE 4-1. EMPLOYEE LIST.

4.1.1 ADD EMPLOYEE INFORMATION INDIVIDUALLY

Follow these steps:

1. In [Employee list], click the “Single addition” button to enter the employee addition page.
2. Fill in the personnel ID, name, gender, belonging group, phone number, ID card number, IC card number, nationality, place of birth, date of birth, contact address and notes. Add a face recognition photo and click “Save” to complete the employee creation operating.

CHAPTER 4: PERSONNEL MANAGEMENT

Personal management / Personnel list / Single addition

* Personnel ID: Only supports numbers and is 1 - 9 characters

* Name: Support Chinese, English, numbers and is 1 - 32 characters

Gender: Please make a selection

Face recognition photo: 1. Please choose a front-and-bareheaded photo in the past three months, with clear and even light image; 2. The recommended size is 640px * 480px, and the size does not exceed 500kb. Only jpg and png file formats are supported; 3. Faces should account for more than 1/3 of the photo to avoid photo blurring, wearing sunglasses, excessive beauty, head rotation, etc.

Upload from local | Register from device

* Belonging group: Please make a selection

* Phone number: Please enter your phone number, the format is "x-xx-xxxx" format

Email: Please input your email

ID number: Support numbers, letters and is 10 or 18 characters

IC card number: No more than 54 characters

Native place: No more than 54 characters

Date of birth: Please make a selection

Contact address: No more than 128 characters

Note: No more than 128 characters

Back | Save

FIGURE 4-2. ADD EMPLOYEE INFORMATION INDIVIDUALLY

Upload a face recognition photo description

Upload from local

Click "Upload from local" to open the local folder, select the jpg and png portrait photos in the folder.

NOTE: Portrait photo specifications:

1. Please choose a front-and-bareheaded photo in the past three months, with clear and even-light image.
2. The recommended size is 640 x 480 pixels, and the size does not exceed 500 KB. Only jpg and png file are supported.
3. Faces should account for more than 1/3 of the photo, avoiding photo blurring, wearing sunglasses, excessive facial makeup, and head rotations.

Register from device

Click "Register from Device" to open the Select Device window and select an online device. Once determined, the device will enter the photo state. After the photo is taken and verified, the photo will be sent back here from the client.

4.1.2 IMPORT EMPLOYEE INFORMATION IN BULK

Follow these steps:

1. In the [Employee list], click the "Add in Bulk – Information Import in Bulk" button.
2. Click "Download Template." Download the excel template file to your computer with the file name "Personnel_import_template.xls". Then fill in the employee information in bulk.
3. In the second step, click "Upload excel file". Select the excel file with the employee information filled in and upload it. If the file is uploaded successfully, the upload success status and file name will be displayed.
4. Click "Start import". During the import, there will be a progress bar showing "Importing personnel information (1/total number of people)". After the import is completed, it prompts "Successful batch import of personnel information". Return to the [Person List] to view the imported personnel information.

CHAPTER 4: PERSONNEL MANAGEMENT

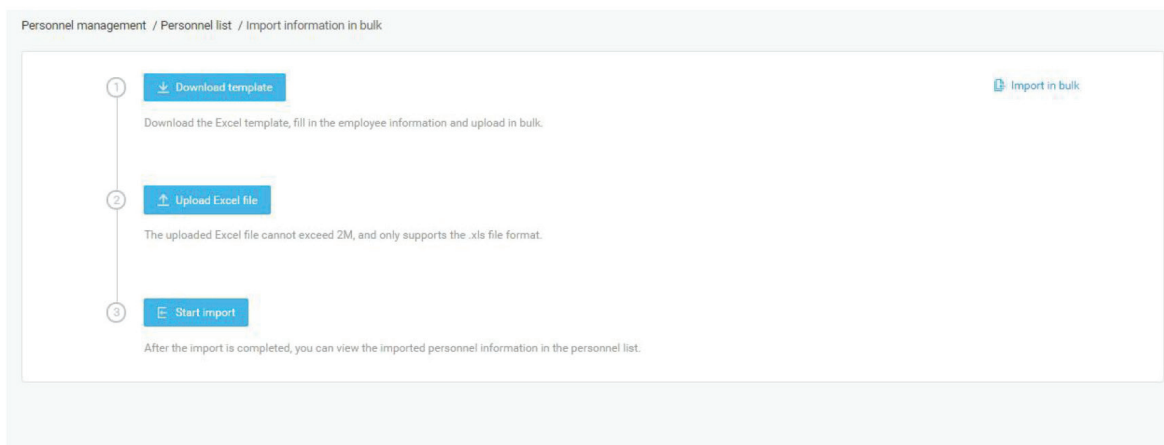


FIGURE 4-3. IMPORT EMPLOYEE INFORMATION

Description of import method

Import without overwriting: When importing a file two or more times, duplicate employees are not imported. And the system will prompt abnormal duplicate information.

Overwrite import: The second import will overwrite the information of the employee that was imported for the first time without prompting for duplicate information.

Description of import failure exception

The content or format of the uploaded excel file is incorrect and does not meet the template specifications. Click to start the import, and a prompt will appear: "The file content or format is incorrect."

Fill in the employee information according to the template requirements.

A field in the employee is malformed or should not be duplicated. After the import fails, the reason for the failure will be notified in a table. After modification, you can re-import.

4.1.3 IMPORT PORTRAIT PHOTOS IN BULK

Follow these steps:

1. In the [Employee list], click the "Add in bulk – Portrait import in bulk".
2. Click "Zip file selection" to open the Select Folder window and select the file upload. After the file upload is successful, the current file storage path is displayed.
3. Click "Start Import", and a progress bar will be displayed during the import: the number of imported files/the total number of folders. And there will be a prompt message: x sheets have been successfully imported, x sheets failed. After the import is complete, the progress bar displays: The portrait photos in this folder have been imported.

CHAPTER 4: PERSONNEL MANAGEMENT

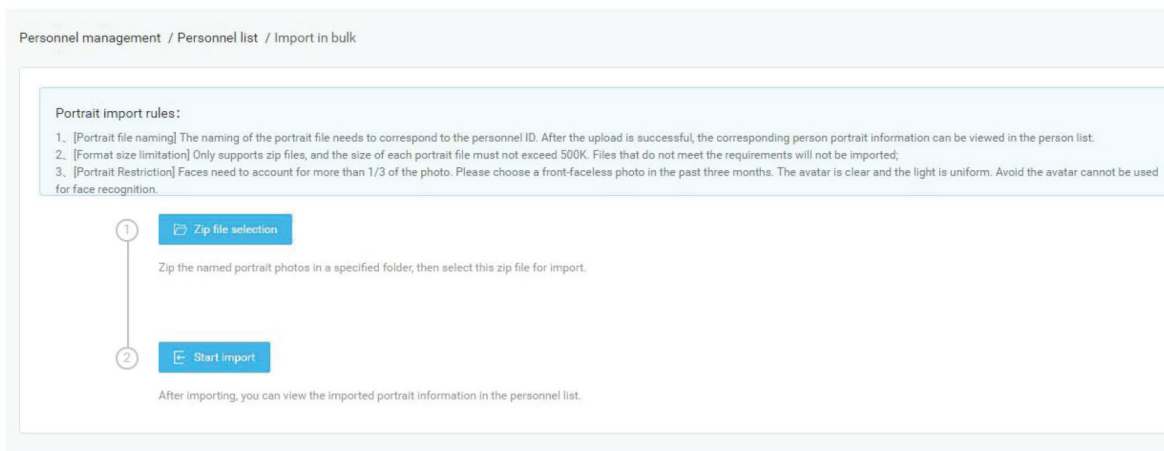


FIGURE 4-4. IMPORT PORTRAIT PHOTOS IN BULK

Description of portrait import rules:

[Portrait file naming] The naming of the portrait file needs to correspond to the personnel ID. After the upload is successful, the corresponding person portrait information can be viewed in the person list.

[Format and size] Only two file formats of jpg and png are supported, and the size of each portrait file must not exceed 500 K. Files that do not meet the requirements will not be imported.

[Portrait Restriction] Faces need to account for more than 1/3 of the photo. Please choose a front-facing photo in the past three months. The avatar is clear and the light is uniform. The avatar cannot be used for face recognition.

[Select Folder Upload] After the above conditions are met, place the named portrait photos in the specified folder and select the folder to import.

Description of failed portrait import

If the size of an image file does not meet the requirements, the import will fail. After that, a table will appear to display the information of the portrait file that has not been successfully imported. After modification, you can re-import.

4.1.4 EXPORT EMPLOYEE INFORMATION

In [Employee list], click the “Export” button to export all employee information in the list to the file “Employee Information.xls” and download it.

4.1.5 REFRESH EMPLOYEE INFORMATION

In [Employee list], click the “Refresh” button to refresh all employee information in the list to the latest state.

CHAPTER 4: PERSONNEL MANAGEMENT

4.1.6 STAFF DETAILS AND EDITING

Employee details

In [Employee list], after corresponding employee information, click the “Employee details” button; you can enter the details page to view specific employee information.

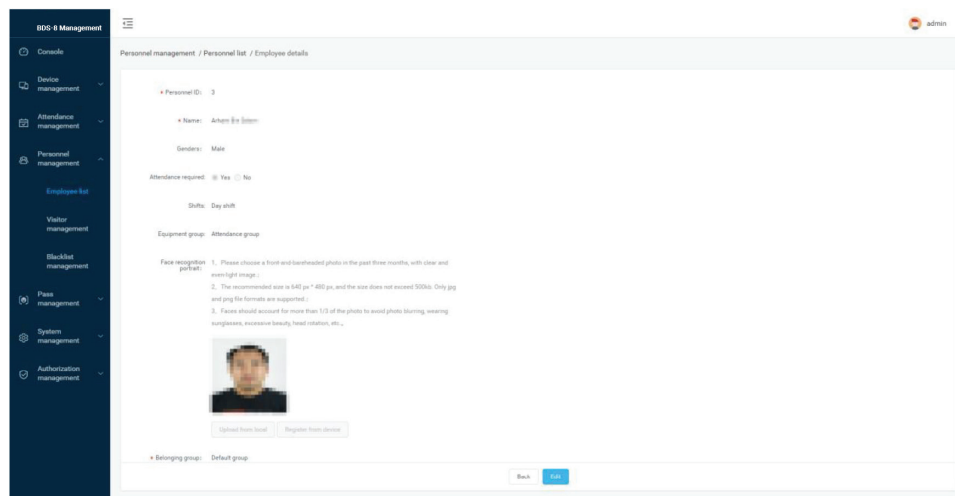


FIGURE 4-5. EMPLOYEE DETAILS

Employee edit

On the details page, click the edit button to modify the employee’s basic information and photo information. After modifying the information, click Save.

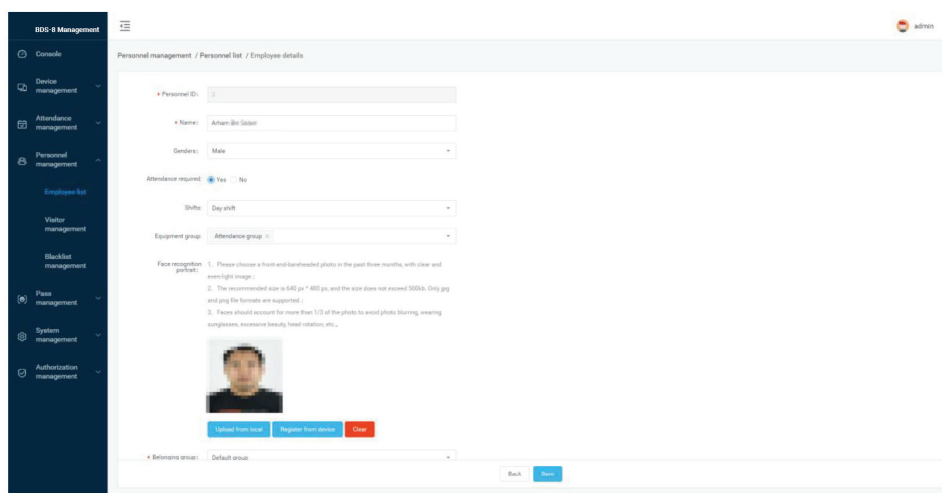


FIGURE 4-6. EMPLOYEE EDIT

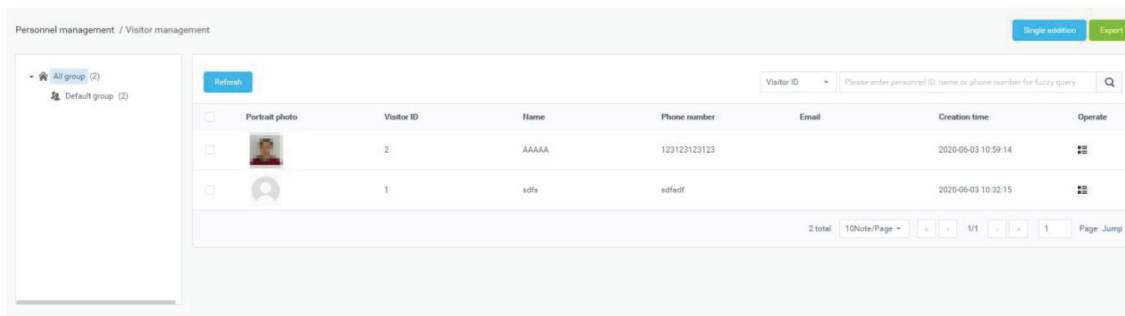
CHAPTER 4: PERSONNEL MANAGEMENT

4.1.7 EMPLOYEE GROUPING MANAGEMENT

Employee grouping uses the organizational structure grouping by default. There is a default employee grouping under each user group. You can add, modify, or delete employee groupings on the user group by yourself. The operation is similar to the user grouping in [Group Structure].

4.2 VISITOR MANAGEMENT

Visitor management is used to view, add, edit, and export visitor information.



The screenshot displays the 'Visitor management' interface. On the left, there is a sidebar with a tree view showing 'All group (2)' and 'Default group (2)'. The main area features a 'Refresh' button and a search bar labeled 'Visitor ID' with a placeholder 'Please enter personnel ID, name or phone number for fuzzy query'. Below this is a table with the following data:

Portrait photo	Visitor ID	Name	Phone number	Email	Creation time	Operate
	2	AAAAA	123123123123		2020-06-03 10:59:14	
	1	sdfs	sdfasf		2020-06-03 10:32:15	

At the bottom of the table, there is a pagination bar showing '2 total', '10/Note/Page', and 'Page Jump'.

FIGURE 4-7. VISITOR MANAGEMENT

4.2.1 ADD VISITOR INDIVIDUALLY

Follow these steps:

1. In [Visitor Management], click the “Single Add” button to enter the visitor adding page.
2. Fill in the visitor ID, name, gender, affiliation group, mobile phone number, ID card number, IC card number, ethnicity, nationality, date of birth, contact address, and remarks; add face recognition photos; and click “Save” to complete the visitor operating.

CHAPTER 4: PERSONNEL MANAGEMENT

Personnel management / Visitor management / Single addition

Personal ID: Only supports numbers and in 1 - 9 characters

Name: Support Chinese, English, numbers and in 1 - 32 characters

Gender: Please make a selection

Face recognition portrait: 1. Please choose a front-and-bareheaded photo in the past three months, with clear and even-light image.
2. The recommended size is 640 px * 480 px, and the size does not exceed 500K. Only jpg and png file formats are supported.
3. Faces should account for more than 1/3 of the photo to avoid photo blurring, wearing sunglasses, excessive beauty, head rotation, etc.

Portrait photo

Upload from local Register from device

Belonging group: Please make a selection

Phone number: Please enter your phone number, the format is "x xxxxx" allowed

Email: Please input your email

ID number: Support numbers, letters and in 15 or 18 characters

IC card number: No more than 64 characters

Native place: No more than 64 characters

Date of birth: Please make a selection

Contact address: No more than 128 characters

Note: No more than 128 characters

Back Save

FIGURE 4-8. VISITOR MANAGENT

Upload a face recognition photo description

Upload from local

Click "Upload from local" to open the local folder, select the jpg and png portrait photos in the folder.

NOTE: Portrait photo specifications:

1. Choose a front-and-bareheaded photo in the past three months, with clear and even-light image.
2. The recommended size is 640 x 480 pixels, and the size does not exceed 500 KB. Only jpg and png files are supported.
3. Faces should account for more than 1/3 of the photo, avoiding photo blurring, wearing sunglasses, excessive facial makeup, and head rotations.

Register from device

Click "Register from Device" to open the Select Device window and select an online device.

Once determined, the device will enter the photo state. After the photo is taken and verified, the photo will be sent back here from the client.

4.2.2 EXPORT VISITOR INFORMATION

In [Visitor management], click the "Export" button to export all visitor information in the list to the file "Visitor information.xls" and download it.

4.2.3 REFRESH VISITOR INFORMATION

In [Visitor management], click the "Refresh" button to refresh all visitor information in the list to the latest state.

CHAPTER 4: PERSONNEL MANAGEMENT

4.2.4 VISITOR DETAILS AND EDITING

Visitor details

In [Visitor management], after comparing visitor information, click the “Visitor details” button to enter the details page to view specific visitor information.

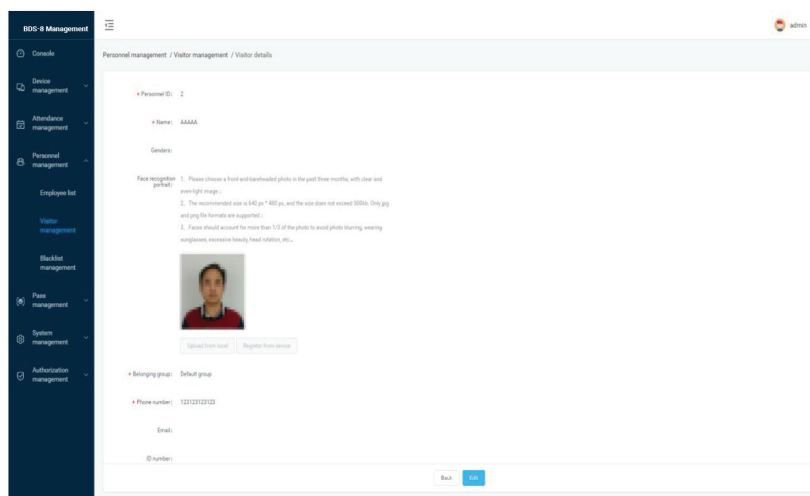


FIGURE 4-9. VISITOR DETAILS

Visitor edit

On the details page, click the edit button to modify the visitor’s basic information and photo information. After modifying the information, click Save.

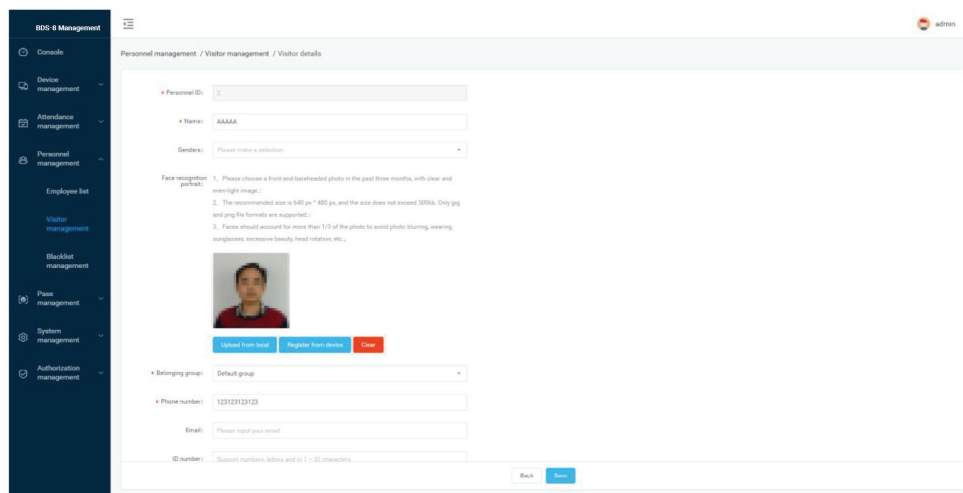


FIGURE 4-10. VISITOR EDIT

4.2.5 VISITOR GROUPING MANAGEMENT

Guest grouping uses the organizational structure grouping by default. Each user group has a default guest grouping, which can add, modify, and delete guest groups on the user grouping. The operation is similar to the user grouping in the [Group structure], which is not described in detail.

CHAPTER 4: PERSONNEL MANAGEMENT

4.3 BLACKLIST MANAGEMENT

Blacklist management is used to view, add, edit, and export blacklist information.

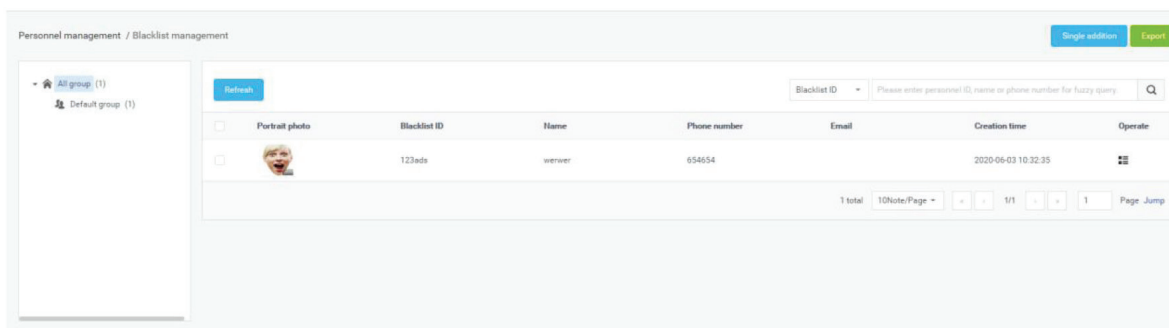


FIGURE 4-11. BLACKLIST MANAGEMENT

4.3.1 ADD BLACKLIST INDIVIDUALLY

Follow these steps:

1. In [Blacklist management], click the “Single Add” button to enter the blacklist addition page.
2. Fill in the blacklist ID, name, gender, belonging group, phone number, ID card number, IC card number, ethnicity, birthplace, date of birth, contact address and remarks. Add face recognition photos and click “Save” to complete the blacklist create operation.

The screenshot shows the 'Personnel management / Blacklist management / Single addition' form. It contains the following fields and instructions:

- Personnel ID:** Only supports numbers and in 1 – 9 characters.
- Name:** Support Chinese, English, numbers and in 1 – 32 characters.
- Genders:** Please make a selection.
- Face recognition portrait:**
 1. Please choose a front-and-bareheaded photo in the past three months, with clear and even-light image.;
 2. The recommended size is 640 px * 480 px, and the size does not exceed 500kb. Only jpg and png file formats are supported.;
 3. Faces should account for more than 1/3 of the photo to avoid photo blurring, wearing sunglasses, excessive beauty, head rotation, etc.,.

Below the instructions is a 'Portrait photo' upload area with a camera icon. At the bottom of the form are 'Back' and 'Save' buttons.

FIGURE 4-12. ADD BLACKLIST INDIVIDUALLY

Upload a face recognition photo description

Upload from local

Click “Upload from local” to open the local folder, select the jpg and png portrait photos in the folder.

CHAPTER 4: PERSONNEL MANAGEMENT

NOTE: Portrait photo specifications:

1. Choose a front-and-bareheaded photo in the past three months, with clear and even-light image.
2. The recommended size is 640 x 480 pixels, and the size does not exceed 500 KB. Only jpg and png files are supported.
3. Faces should account for more than 1/3 of the photo, avoiding photo blurring, wearing sunglasses, excessive facial make-up, and head rotations.

4.3.2 EXPORT BLACKLIST

In [Blacklist management], click the “Export” button to export all the blacklist information in the list to the file “Blacklist information.xls” and download it.

4.3.3 REFRESH BLACKLIST INFORMATION

In [Blacklist management], click the “Refresh” button to refresh all the blacklist information in the list to the latest state.

4.3.4 BLACKLIST DETAILS AND EDITING

Blacklist details

In [Blacklist management], after corresponding to the blacklist information, click the “Blacklist details” button to enter the details page to view the specific blacklist information.

Blacklist edit

On the details page, click the edit button to modify the basic information and photo information of the blacklist. After modifying the information, click Save.

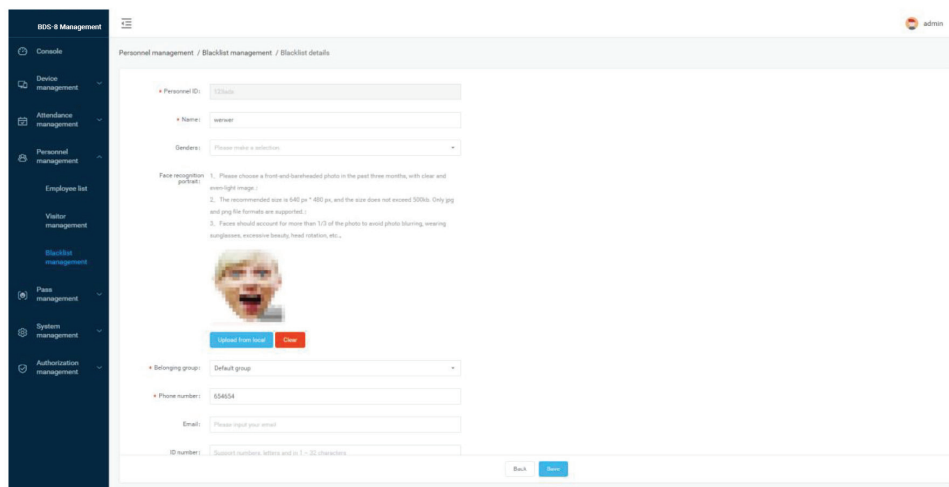


FIGURE 4-14. BLACKLIST DETAILS AND EDITING

4.3.5 BLACKLIST GROUPING MANAGEMENT

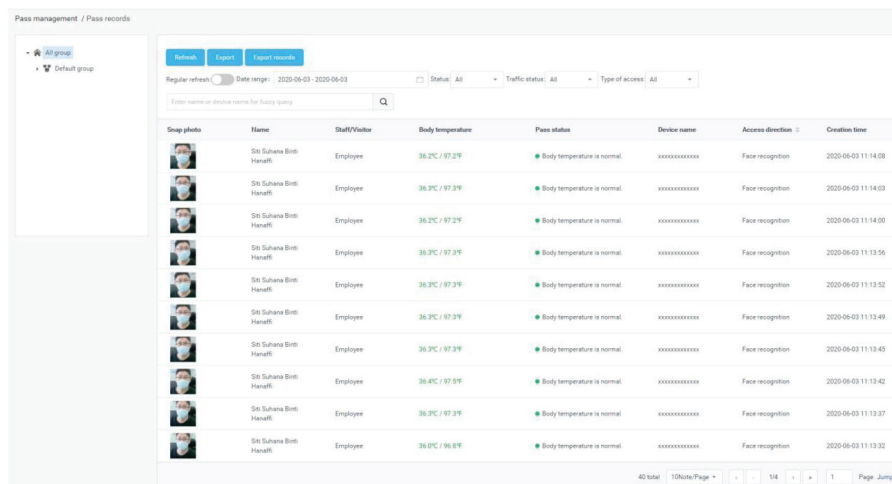
The blacklist group uses the organizational structure group by default. Each user group has a default blacklist group. You can add, modify, and delete blacklist groups on the user group. The operation is similar to the user grouping in [Group Structure].

CHAPTER 5: PASS MANAGEMENT

5. PASS MANAGEMENT

5.1 PASS RECORDS

View all the identification records on the device, which can be grouped and filtered by device. When the data body temperature value is greater than or equal to 99.1° F (37.3° C) the system displays a red font, less than 99.1° F (37.3° C) displays a green font, no temperature data displays “none”. There are three passage states: normal body temperature, abnormal body temperature, and no mask.

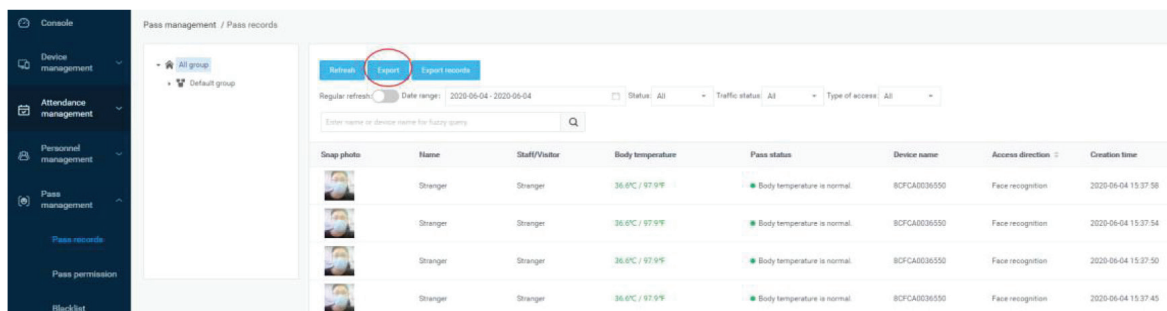


Soap photo	Name	Staff/Visitor	Body temperature	Pass status	Device name	Access direction	Creation time
	Siti Suhana Binti Hasaifi	Employee	36.2°C / 97.2°F	Body temperature is normal	XXXXXXXXXXXX	Face recognition	2020-05-03 11:14:08
	Siti Suhana Binti Hasaifi	Employee	36.3°C / 97.3°F	Body temperature is normal	XXXXXXXXXXXX	Face recognition	2020-05-03 11:14:03
	Siti Suhana Binti Hasaifi	Employee	36.2°C / 97.2°F	Body temperature is normal	XXXXXXXXXXXX	Face recognition	2020-05-03 11:14:00
	Siti Suhana Binti Hasaifi	Employee	36.3°C / 97.3°F	Body temperature is normal	XXXXXXXXXXXX	Face recognition	2020-05-03 11:13:56
	Siti Suhana Binti Hasaifi	Employee	36.3°C / 97.3°F	Body temperature is normal	XXXXXXXXXXXX	Face recognition	2020-05-03 11:13:52
	Siti Suhana Binti Hasaifi	Employee	36.3°C / 97.3°F	Body temperature is normal	XXXXXXXXXXXX	Face recognition	2020-05-03 11:13:49
	Siti Suhana Binti Hasaifi	Employee	36.3°C / 97.3°F	Body temperature is normal	XXXXXXXXXXXX	Face recognition	2020-05-03 11:13:45
	Siti Suhana Binti Hasaifi	Employee	36.4°C / 97.5°F	Body temperature is normal	XXXXXXXXXXXX	Face recognition	2020-05-03 11:13:42
	Siti Suhana Binti Hasaifi	Employee	36.3°C / 97.3°F	Body temperature is normal	XXXXXXXXXXXX	Face recognition	2020-05-03 11:13:37
	Siti Suhana Binti Hasaifi	Employee	36.3°C / 96.9°F	Body temperature is normal	XXXXXXXXXXXX	Face recognition	2020-05-03 11:13:32

FIGURE 5-1. PASS RECORDS SCREEN

5.1.1 EXPORT

After filtering the pass records through filter criteria, all the pass records queried can be exported to an Excel file. It is allowed to cancel the export during the export process.



Soap photo	Name	Staff/Visitor	Body temperature	Pass status	Device name	Access direction	Creation time
	Stranger	Stranger	36.6°C / 97.9°F	Body temperature is normal	8CFCA0036550	Face recognition	2020-06-04 15:37:58
	Stranger	Stranger	36.6°C / 97.9°F	Body temperature is normal	8CFCA0036550	Face recognition	2020-06-04 15:37:54
	Stranger	Stranger	36.6°C / 97.9°F	Body temperature is normal	8CFCA0036550	Face recognition	2020-06-04 15:37:50
	Stranger	Stranger	36.6°C / 97.9°F	Body temperature is normal	8CFCA0036550	Face recognition	2020-06-04 15:37:45

FIGURE 5-2. EXPORT PASS

CHAPTER 5: PASS MANAGEMENT

The screenshot shows a dialog box titled 'Exporting access records' with 'Export records' and 'Cancel report' buttons. Below it is a table of pass records with the following data:

Slap photo	Name	Staff/Visitor	Body temperature	Pass status	Device name	Access direction	Creation time	Id card / IC card
	Stranger	Stranger	36.5°C/97.7°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:40:44	
	Stranger	Stranger	36.5°C/97.7°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:39:25	
	Stranger	Stranger	36.5°C/97.7°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:39:21	
	Stranger	Stranger	36.6°C/97.9°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:37:58	
	Stranger	Stranger	36.6°C/97.9°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:37:54	
	Stranger	Stranger	36.6°C/97.9°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:37:50	
	Stranger	Stranger	36.6°C/97.9°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:37:45	
	Stranger	Stranger	36.6°C/97.9°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:37:41	
	Stranger	Stranger	36.6°C/97.9°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:37:35	
	Stranger	Stranger	36.5°C/97.7°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:37:30	
	Stranger	Stranger	36.5°C/97.7°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:37:18	
	Stranger	Stranger	36.7°C/98.1°F	Normal body temperature	8CFA0036550	Face swiping	2020-06-04 15:37:13	

FIGURE 5-3. EXPORT PASS (CONTINUED)

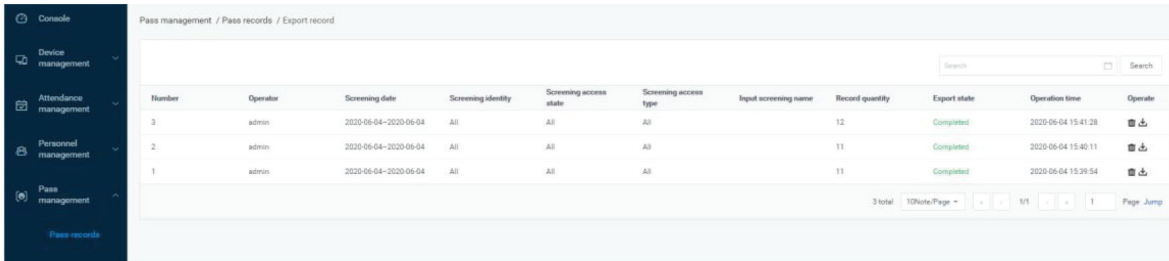
5.1.2 EXPORT RECORDS

The system will record the operation of each export pass record and generate an export record. If the export succeeds, the export status will be recorded as “completed,” and if the export is canceled, the export status will be recorded as “canceled.” The export record in the completed state allows downloading the exported excel file again, and all export records are allowed to be deleted.

The screenshot shows the 'Pass management / Pass records' interface. The 'Export records' button is circled in red. Below it is a table of pass records with the following data:

Slap photo	Name	Staff/Visitor	Body temperature	Pass status	Device name	Access direction	Creation time
	Stranger	Stranger	36.2°C / 97.3°F	Body temperature is normal.	8CFA0036550	Face recognition	2020-06-04 15:44:09
	Stranger	Stranger	36.3°C / 97.3°F	Body temperature is normal.	8CFA0036550	Face recognition	2020-06-04 15:43:58
	Stranger	Stranger	36.5°C / 97.7°F	Body temperature is normal.	8CFA0036550	Face recognition	2020-06-04 15:40:44
	Stranger	Stranger	36.5°C / 97.7°F	Body temperature is normal.	8CFA0036550	Face recognition	2020-06-04 15:39:25

FIGURE 5-4. EXPORT RECORDS SCREEN



Pass management / Pass records / Export record

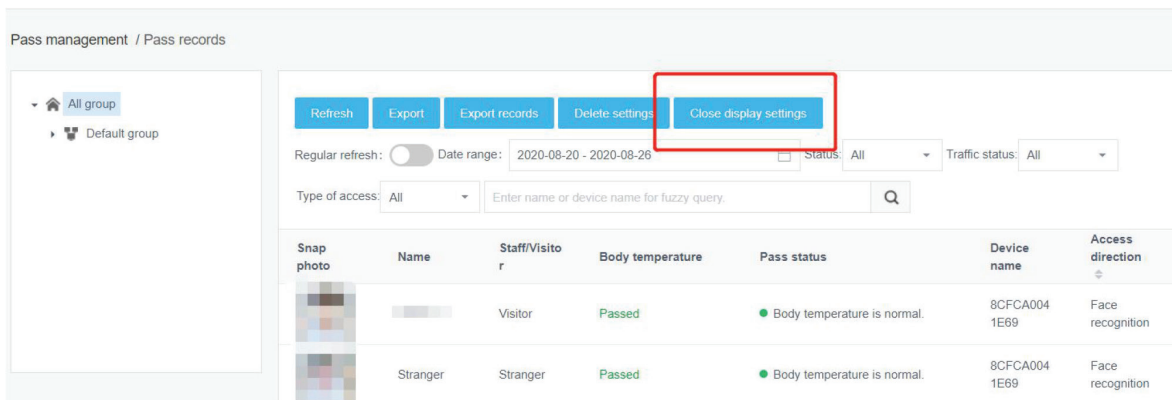
Number	Operator	Screening date	Screening identity	Screening access state	Screening access type	Input screening name	Record quantity	Export state	Operation time	Operate
3	admin	2020-06-04-2020-06-04	All	All	All		12	Completed	2020-06-04 15:41:28	
2	admin	2020-06-04-2020-06-04	All	All	All		11	Completed	2020-06-04 15:40:11	
1	admin	2020-06-04-2020-06-04	All	All	All		11	Completed	2020-06-04 15:39:54	

3 total | 10Note/Page = | 1/1 | 1 | Page Jump

FIGURE 5-5. EXPORT RECORDS (CONTINUED)

5.1.3 CLOSE DISPLAY SETTINGS

This feature allows users to select whether to hide or display captured picture and body temperature on the server.



Pass management / Pass records

Refresh Export Export records Delete settings **Close display settings**

Regular refresh: Date range: 2020-08-20 - 2020-08-26 Status: All Traffic status: All

Type of access: All Enter name or device name for fuzzy query

Snap photo	Name	Staff/Visitor	Body temperature	Pass status	Device name	Access direction
		Visitor	Passed	● Body temperature is normal.	8CFCA0041E69	Face recognition
	Stranger	Stranger	Passed	● Body temperature is normal.	8CFCA0041E69	Face recognition

FIGURE 5-6. CLOSE DISPLAY SETTINGS

Click close display setting, the captured photo and temperature will be hidden.

CHAPTER 5: PASS MANAGEMENT

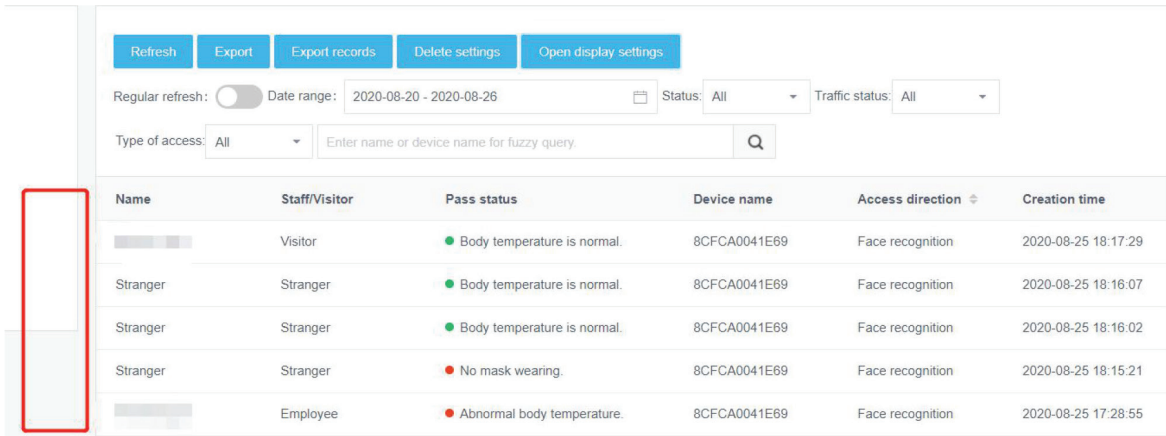


FIGURE 5-7. HIDE PICTURE AND BODY TEMPERATURE

5.1.4 DELETE SETTINGS

The Employees' pass records somehow related to the attendance, but it's available to delete the strangers' records automatically, the minimum retention period of strangers' records is one day.

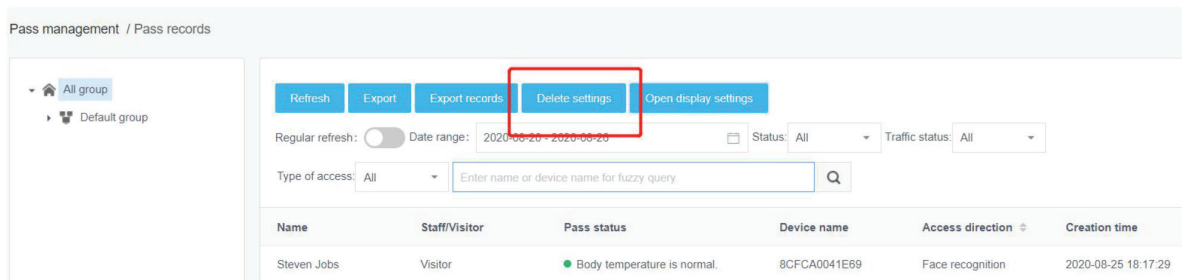


FIGURE 5-8. DELETE SETTINGS

CHAPTER 5: PASS MANAGEMENT

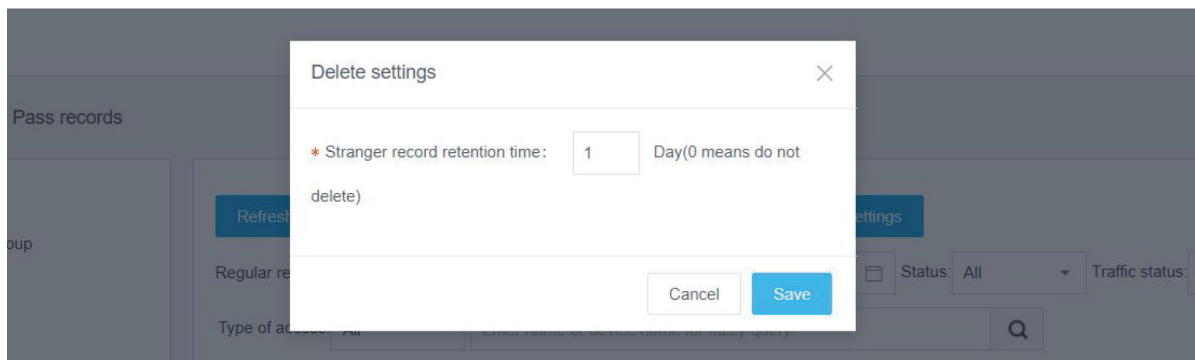


FIGURE 5-9. DELETE SETTINGS (CONTINUED)

5.2 PASS PERMISSION

Manage the access rights of added employees and visitors.

Portrait photo	Portrait check status	Personnel ID	Name	ID	Phone number	Expiration date	Operate
<input type="checkbox"/>	No photo	33154	MS FAZLIJANA	Emplo yes	+00190241401	Permanent	
<input type="checkbox"/>	No photo	33020	EN ADIL	Emplo yes	+00196684591	Permanent	
<input type="checkbox"/>	No photo	99996	AHMAD NAJID BIN KHAMS	Emplo yes	+00127528112	Permanent	
<input type="checkbox"/>	No photo	99997	MCHD ARMEZAN BIN ABDU...	Emplo yes	+00196607491	Permanent	
<input type="checkbox"/>	No photo	99998	RAZMAT BIN ALI	Emplo yes	+00123363383	Permanent	
<input type="checkbox"/>	No photo	99999	Rosl Bin Yusof	Emplo yes	+00124507415	Permanent	
<input type="checkbox"/>	No photo	271	Ahmad Fideas Bin Ramli	Emplo yes	+001116537967	Permanent	
<input type="checkbox"/>	No photo	258	Azbor	Emplo yes	+001128472478	Permanent	
<input type="checkbox"/>	No photo	256	Md Alie	Emplo yes	+00176892545	Permanent	
<input type="checkbox"/>	No photo	255	Baharudin Shah Bin Che Nab	Emplo yes	+00123158742	Permanent	

FIGURE 5-10. PASS PERMISSION SCREEN

5.2.1 EMPLOYEE PASS PERMISSION SETTINGS

Enter the [Pass permission] page and click the “Employee Access Authorization” button.

Pass permission

1. Select personnel, devices, pass permission and permanent effective time, and click “Save” button to start pass permission. After the device is successfully authorized, the person can pass the gate and the validity period is permanent.
2. Select personnel, devices, pass permission and temporary effective time, and click “Save” button to start pass permission. After the device is successfully authorized, the person can pass through the gate within the time range set by the validity period. If the validity period is exceeded, the recognition fails.

CHAPTER 5: PASS MANAGEMENT

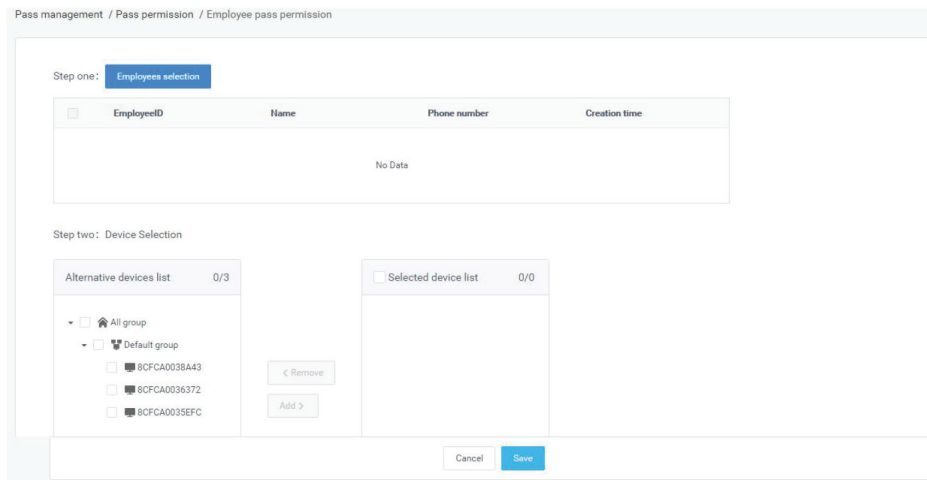


FIGURE 5-11. PASS PERMISSION FAIL

Description of Pass permission:

Click the Save button to start the pass permission. Present the current synchronization status, authorization progress, number of successes and failures of each device in the form of a list, and display device names.

The person who failed the authorization is recorded in the "Verification Failure Description" table. You can click "Export Settings Failed Number" to export and view the authorization failure information.

The person who fails the authorization, after modifying the corresponding failure information, can reauthorize until the authorization is successful.

The screenshot shows the 'Permission details' page. At the top, it displays 'Time: 2020-04-08 11:08:46', 'Types: Employee permission', and 'Operator: admin'. There is a button for 'Export failed personnel information'. Below this is a table with the following data:

Device name	Permission progress	Number of failures	Number of successes
8CFCAD035EFC	<div style="width: 100%;"></div> 121/121	2	119
8CFCAD036372	<div style="width: 100%;"></div> 121/121	2	119
8CFCAD038A43	<div style="width: 100%;"></div> 121/121	2	119

FIGURE 5-12. PASS PERMISSION SUCCESSFUL

Revoke pass permission

Select a person, select a device, de-authorize, and click the "Save" button to start revoking the permission. The de-authorization is the same as the "pass permission" logic, except that the selected person is removed from the selected device.

CHAPTER 5: PASS MANAGEMENT

5.2.2 VISITOR PASS PERMISSION SETTINGS

On the [Pass permission] page, click the “Visitor pass permission” button.

Pass permission

Select the visitor, select the device, pass permission and valid time range, and click the “Save” button to start the pass permission. After successful authorization on the device side, the visitor can pass the gate to be valid within the set effective time range.

The screenshot shows a web interface for configuring a visitor pass permission. The breadcrumb trail at the top reads "Pass management / Pass permission / Visitor pass permission".

Step one: Visitor selection

A table with columns: VisitorID, Name, Phone number, and Creation time. The table is currently empty, displaying "No Data".

Step two: Device Selection

Two lists are shown: "Alternative devices list" (0/3) and "Selected device list" (0/10). The "Alternative devices list" contains a tree view with "All group" and "Default group". Below the lists are "Remove" and "Add" buttons.

Step three: Permission status selection

Two radio buttons are present: "Pass permission" (selected) and "Revoke permission".

Time selection fields are shown:

- Start time: 2020-04-08 00:00
- End time: 2020-04-08 23:59

At the bottom, there are "Cancel" and "Save" buttons.

FIGURE 5-13. VISITOR PASS PERMISSION

Description of pass permission:

Click the Save button to start the pass permission. Present the current synchronization status of each device in the form of a list, showing the device name, synchronization pass permission, number of successful and failed. The person who failed the permission is recorded in the “Verification Failure Description” table. You can click “Export Settings Failed Number” to export and view the permission failure information.

Visitors who have failed authorization can revise the authorization after revising the corresponding failure information until the authorization is successful.

Revoke pass permission

Select personnel and equipment, and revoke the permission. Click the “Save” button to start. Revoke permission is the same as “Pass permission”, except that the reassigned personnel are removed from the original equipment.

CHAPTER 5: PASS MANAGEMENT

5.2.3 REVOKE PERMISSION

In the authorized personnel list, you can click the “Revoke permission” button behind the list record to release the authorization. After the removal is successful, the corresponding employees and visitors will have no pass permissions. You can also check personnel records and click “Remove permissions” for batch operations.

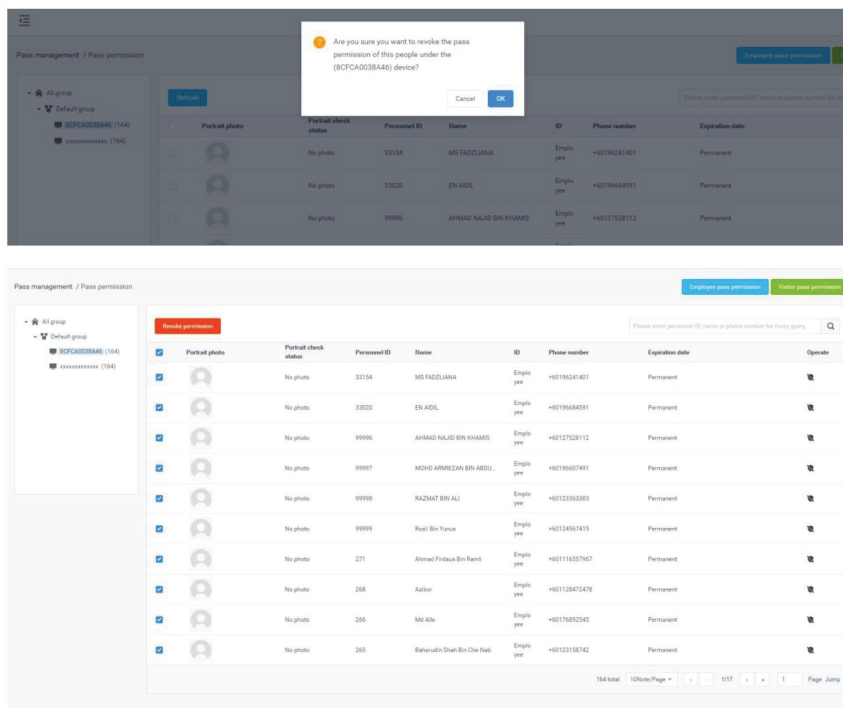


FIGURE 5-14. REVOKE PERMISSION

5.2.4 REFRESH PERMISSION INFORMATION

On the [Pass permission] page, click the “Refresh” button to refresh all authorized information in the list to the latest state.

5.3 BLACKLIST MONITORING

5.3.1 BLACKLIST MONITORING SETTINGS

Enter the [Blacklist monitoring] page and click the “Blacklist monitoring settings” button.

Blacklist monitoring settings

1. Select the blacklist and device and snap to report. Click the “Save” button to start the blacklist monitoring. After the device is successfully monitored, the person will be recognized and captured when reporting through the gate.
2. Select the blacklist and device, choose to enable the snapshot report function, and enable the alarm sound. Click the “Save” button to start the blacklist monitoring. After the device is successfully monitored, the person will be identified through the gate, snapped to report and emit an alarm sound.

CHAPTER 5: PASS MANAGEMENT

Pass management / Blacklist monitoring / Blacklist monitoring settings

Step one: **Blacklist selection**

BlacklistID	Name	Phone number	Creation time
No Data			

Step two: Device Selection

Alternative devices list 0/3

- All group
- Default group
 - 8CFCA0038A43
 - 8CFCA0034372
 - 8CFCA0035EFC

< Remove

Add >

Selected device list 0/0

Step three: Monitoring settings

Snapshot report

Snapshot report and turn on alarm sound

Revoke blacklist monitoring

Cancel Save

FIGURE 5-15. BLACKLIST MONITORING SETTINGS

Description of Pass permission:

Click the Sure to start the blacklist monitoring. Present the current synchronization status of each device in the form of a list, display the device name, synchronization monitoring progress, the number of successful and the number of failed. The monitoring failures are recorded in the “Export Blacklist Monitoring Failure Information” table. You can click the export table to view the monitoring failure information.

Blacklist personnel who failed to monitor, after modifying the corresponding failure information, can re-monitor the settings until the monitoring registration is successful.

Revoke blacklist monitoring

Select blacklist and device, and release blacklist monitoring. Click the “Save” button to start the release.

5.3.2 IDENTIFICATION RECORD QUERY

Enter the [Blacklist monitoring] page, click the “Identify Record Inquiry” button to enter the [Identify record inquiry] page, and display the identification records of all blacklist personnel.

Blacklist identification records can be selected according to grouping, device, and date range inquiries.

CHAPTER 5: PASS MANAGEMENT

5.3.3 REMOVE MONITORING

In the blacklist monitoring personnel list, you can click the “remove monitoring” button behind the list record to release monitoring. After the removal is successful, the blacklist removes the snapshot monitoring or alarm from the selected device. You can also check the personnel record and click “remove monitoring” to perform batch operations.

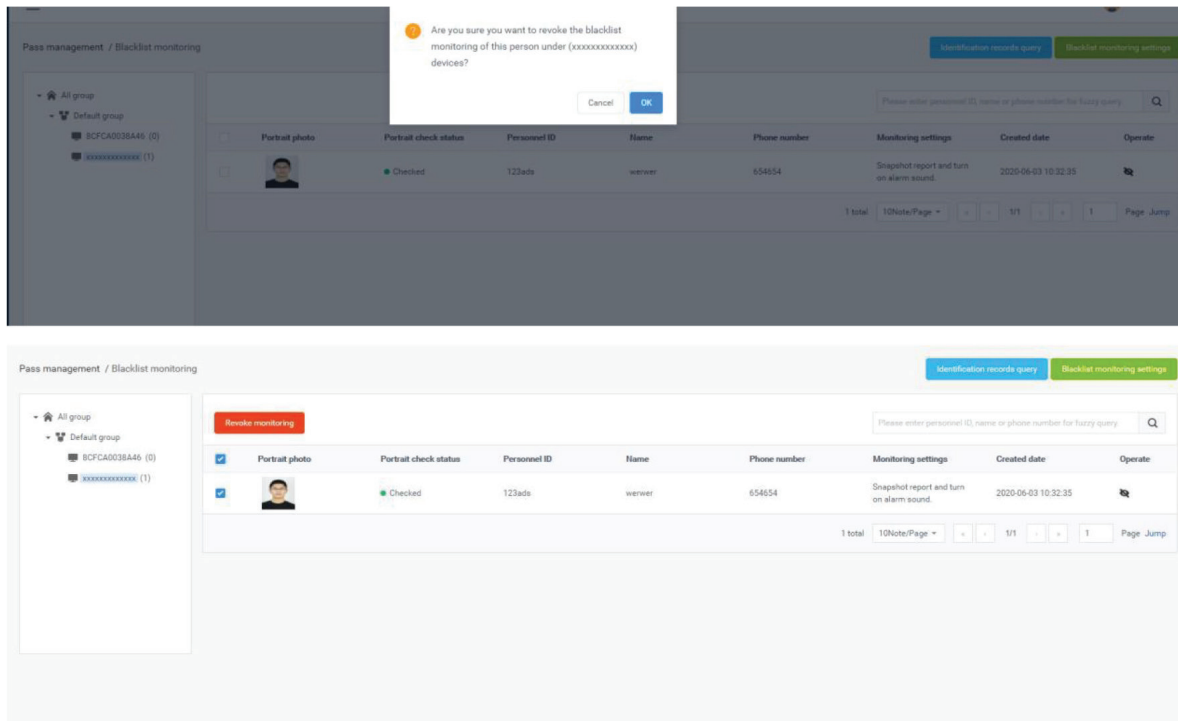
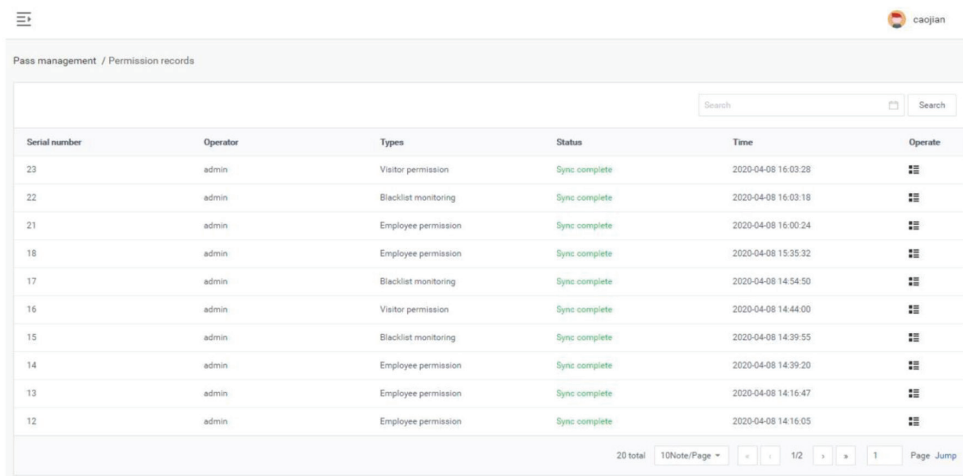


FIGURE 5-16. REMOVE MONITORING SCREEN

CHAPTER 5: PASS MANAGEMENT

5.4 PERMISSION RECORDS

[Permission records] The module contains the information records of the “Permission” and “Remove permission” of employees and visitors, as well as the blacklist monitoring and contact monitoring setting operations. You can enter the list to view the details of related records.



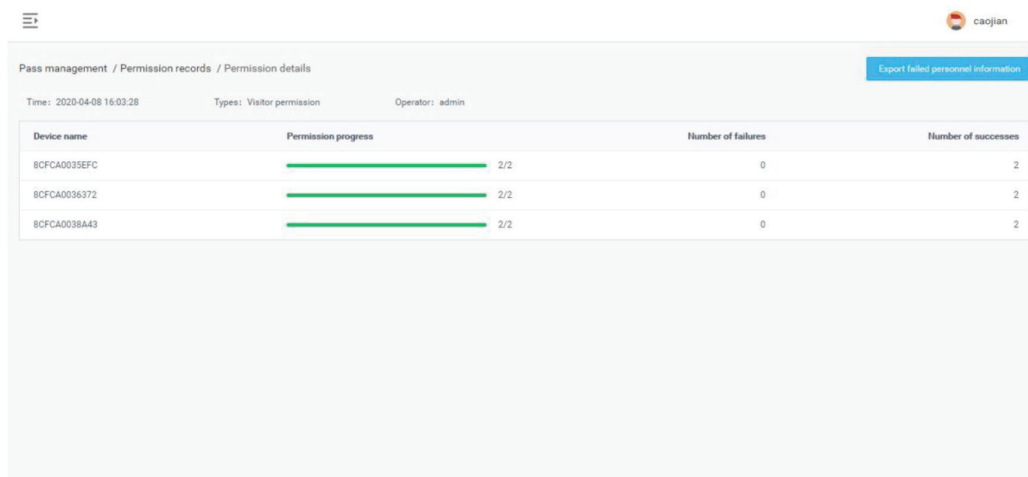
The screenshot shows a web interface for "Pass management / Permission records". It features a search bar and a table with the following columns: Serial number, Operator, Types, Status, Time, and Operate. The table contains 10 rows of data, all with a status of "Sync complete".

Serial number	Operator	Types	Status	Time	Operate
23	admin	Visitor permission	Sync complete	2020-04-08 16:03:28	⋮
22	admin	Blacklist monitoring	Sync complete	2020-04-08 16:03:18	⋮
21	admin	Employee permission	Sync complete	2020-04-08 16:00:24	⋮
18	admin	Employee permission	Sync complete	2020-04-08 15:35:32	⋮
17	admin	Blacklist monitoring	Sync complete	2020-04-08 14:54:50	⋮
16	admin	Visitor permission	Sync complete	2020-04-08 14:44:00	⋮
15	admin	Blacklist monitoring	Sync complete	2020-04-08 14:39:55	⋮
14	admin	Employee permission	Sync complete	2020-04-08 14:39:20	⋮
13	admin	Employee permission	Sync complete	2020-04-08 14:16:47	⋮
12	admin	Employee permission	Sync complete	2020-04-08 14:16:05	⋮

At the bottom of the table, it shows "20 total" and "10Note/Page" with navigation buttons. A "Page Jump" input field is also present.

FIGURE 5-18. PERMISSION RECORDS

Permission details are as follows:



The screenshot shows a web interface for "Pass management / Permission records / Permission details". It includes a search bar and a table with the following columns: Device name, Permission progress, Number of failures, and Number of successes. The table contains 3 rows of data, all with a permission progress of 2/2, 0 failures, and 2 successes.

Device name	Permission progress	Number of failures	Number of successes
8CFA0035EFC	2/2	0	2
8CFA0036372	2/2	0	2
8CFA0038A43	2/2	0	2

At the top of the interface, it shows "Time: 2020-04-08 16:03:28", "Types: Visitor permission", and "Operator: admin". There is also a button labeled "Export failed personnel information".

FIGURE 5-19. PERMISSION DETAILS

CHAPTER 6: SYSTEM MANAGEMENT

6. SYSTEM MANAGEMENT

6.1 GROUP STRUCTURE

[Group structure] The module is used to manage the group structure and enterprise user information management in the enterprise. The hierarchical relationship is created and managed by an admin or enterprise administrator.

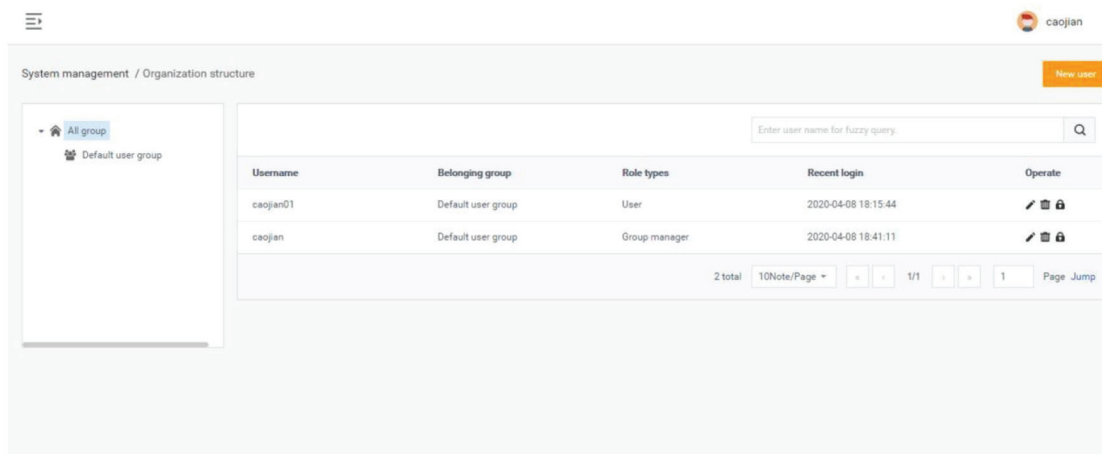


FIGURE 6-1. GROUP STRUCTURE

6.1.1 ATTRIBUTION OF BUSINESS DATA

Various business data generated by enterprise users will only be stored under the group structure group in the enterprise where they belong, and all business modules in the enterprise are grouped using the same group structure.

In the same enterprise organization structure, users at a high level can access business data in a low-level structure. Conversely, low-level users cannot access high-level business data, and other companies cannot access these data.

In the same enterprise group structure, business data between groups is visible within the group.

An enterprise administrator can manage all business data in the organization structure of the enterprise, but cannot access data of other enterprises.

6.1.2 GROUP MANAGEMENT

Create a group: select a group and click to enter the [New Group] page. On this page, you only need to fill in the group name and save it.

Modify and delete operations: (omitted)

Group permission description: visible in the default group

CHAPTER 6: SYSTEM MANAGEMENT

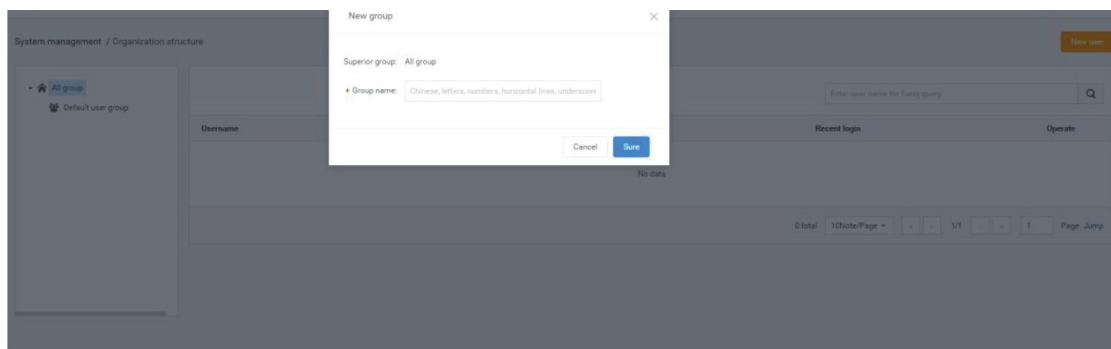


FIGURE 6-2. GROUP MANAGEMENT

6.1.3 USER MANAGEMENT

User creation

Click “Add User” to enter the [Add User] page. Select the group; fill in the user name and password; after confirming the password, group administrator and role, click “Submit”, as shown next.

NOTE: By default, it is a normal user. After selecting a normal user, you need to select a role; if you select an administrator, you do not need to select a role to have all the permissions under this group.

FIGURE 6-3. USER CREATION

Modify, query, delete operations: (omitted)

User password modification: Note that only administrators (admin or company administrators) can reset passwords for users in the group. Reset the password to 123456.

CHAPTER 6: SYSTEM MANAGEMENT

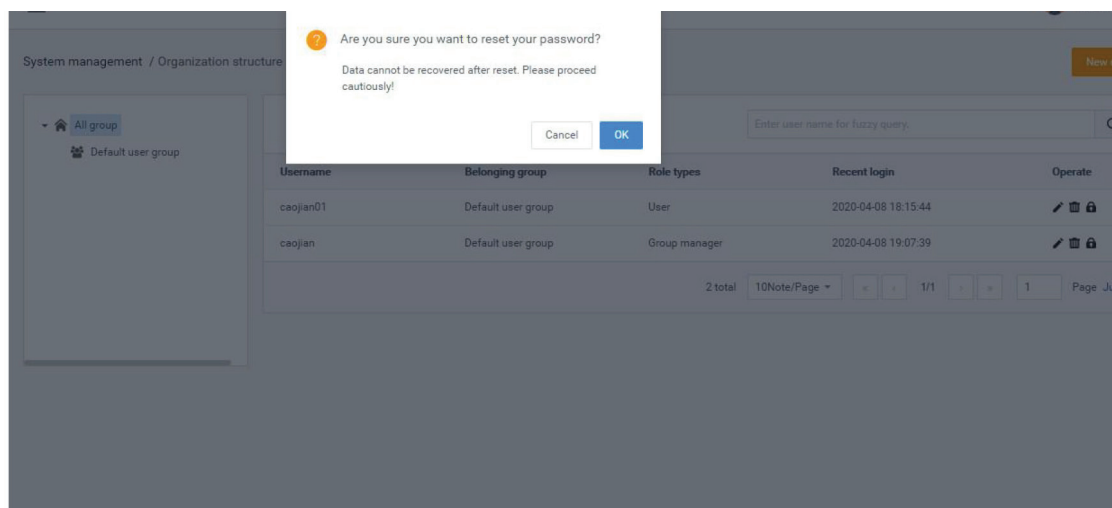


FIGURE 6-4. MODIFY PASSWORDS

6.2 ROLE MANAGEMENT

[Role management] It is used to create and manage roles. Roles are used to control various business function modules and function operations of users in the system. It is composed of different function operation rights.

Description of roles

Each enterprise can create one or more roles with different permission scopes, which are used to perform different functions for different users in the enterprise group structure.

Role information is independent between enterprises and cannot be accessed by each other.

NOTE: The role of admin is the system super administrator, who can manage all the functional modules and business data in the system. Among them, the functions of [System Settings] and [Enterprise Management] can only be managed by admin users, other users cannot see these two modules, including enterprise administrator users.

Role creation

Go to [Permission Management]-[Role Management], click the "Add Role" button to enter the [Add Role] page.

CHAPTER 6: SYSTEM MANAGEMENT

The screenshot shows a web form for creating a new role. The breadcrumb navigation is 'System management / Role management / New role'. There are two main sections: 'Role name' and 'Role permissions'. The 'Role name' field has a placeholder text: 'Chinese, letters, numbers, horizontal lines, underscores and in 1~32 characters'. The 'Role permissions' section contains several checkboxes: 'All permissions', 'Device list', 'Personnel list', 'Visitor management', 'Blacklist management', 'Pass records', 'Pass permission', 'Blacklist monitoring', 'Permission records', and 'System log'. A blue 'Submit' button is located at the bottom left of the form.



FIGURE 6-5. ROLE CREATION

6.3 BUSINESS MANAGEMENT

[Enterprise Management] The module can only be operated by the super administrator and is used to create and manage enterprise accounts in the system. Each corporate account has corporate administrator rights and can be used to log in to the system. After logging in to the system, the account can manage the organizational structure, users, and roles within the enterprise, and can view and manage all business data created by the enterprise users. But there is no operation authority for the [System Settings] and [Enterprise Management] functions, nor can you see the data of other enterprise users.

Super administrators can create, modify, query, and delete enterprises, as shown in the following figure.

The screenshot shows the 'Business management' interface. At the top right, there is a 'New company' button. Below it, there are two search input fields: 'Enter company code for query' and 'Enter company name for query'. The main content is a table with the following columns: 'Company code', 'Company name', 'Administrator name', 'Phone number', 'Creation time', and 'Operate'. The table contains one row of data:

Company code	Company name	Administrator name	Phone number	Creation time	Operate
8270370828961023	wwwwww	12345		2020-06-03 11:26:31	 

At the bottom right of the table, there is a pagination control showing '1 total', '10Note/Page', and 'Page Jump'.

FIGURE 6-6. SUPER ADMINISTRATOR PERMISSIONS

NOTE: Enterprise delete operation is supported. After deleting an enterprise, all data associated with the enterprise will be deleted, and the devices under the enterprise will belong to the admin default group.

CHAPTER 6: SYSTEM MANAGEMENT

6.4 SYSTEM LOG

[System Log] The system log list on the page contains the user's operation date, function modules, log details, operation results, operator and other information records during the use of the system.

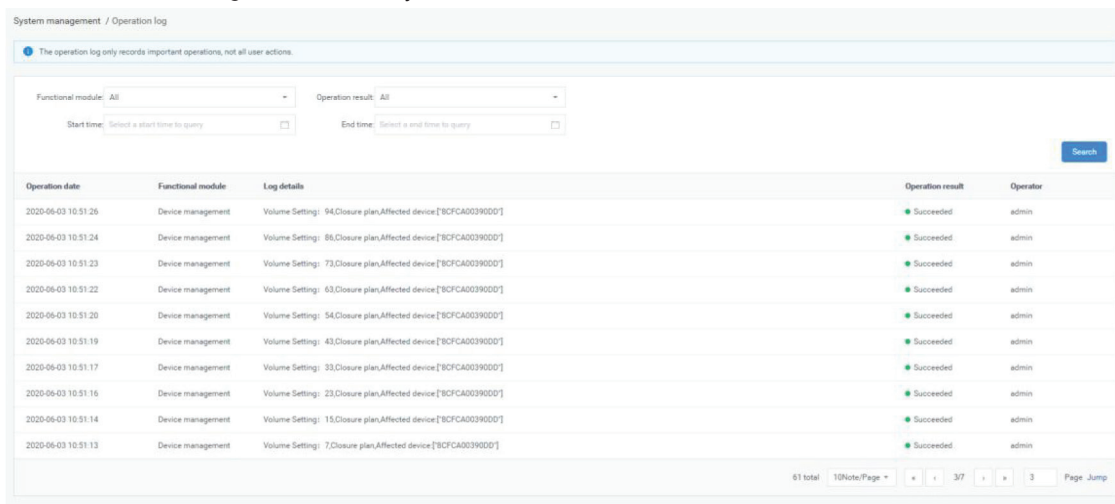


FIGURE 6-7. SYSTEM LOG

6.5 SYSTEM SETTING

The system settings provide several functions such as “background server port,” “message service port,” and “database service port configuration.”

1. Support web service port configurable: background service port can be configured (between 9000-9999), the default is 9000; message service port can be configured (between 7000-7999), the default is 7788; database service port can be configured (Between 3000-3999), the default value is 3306, after setting, you need to restart the background to take effect.
2. System time

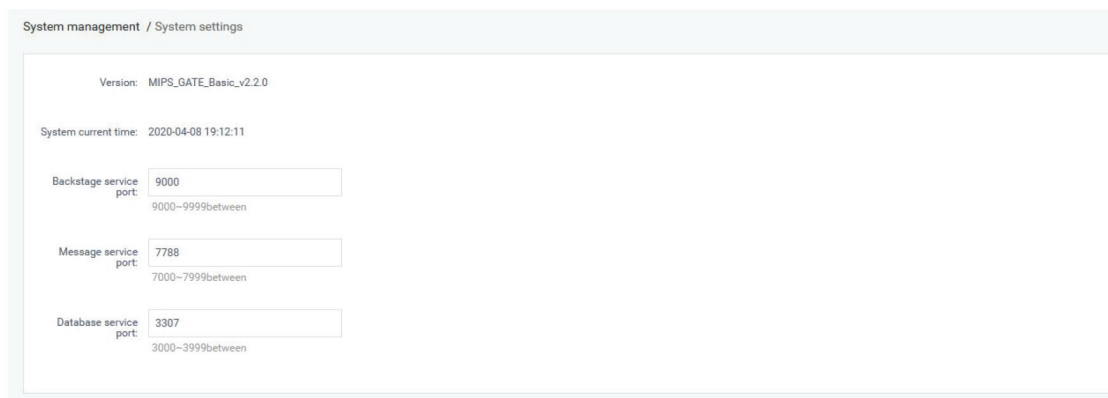


FIGURE 6-8. SYSTEM TIME

CHAPTER 6: SYSTEM MANAGEMENT

3. Email Settings: After the email information of sender and recipient is configured in the email setting, the email notification can be received after the passage record of abnormal body temperature appears in the background, and the email containing attendance record can be received periodically at a set period.

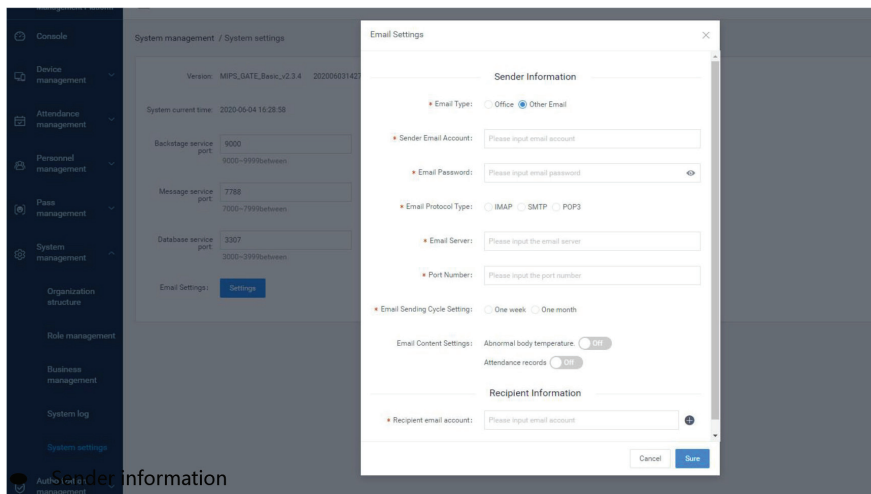


FIGURE 6-9. EMAIL SETTINGS

Sender information

1. Mailbox type: There are two types of mailboxes: "Office" and "Other Mailbox". "Other Mailbox" is selected by default. When the email to be sent is a non-Office mailbox, please select this option and fill in the parameters.
2. Sender email account: Enter the name of the email you want to send the message to.

NOTE: Due to the different automatic judgment policies and mechanisms of mail service providers, various restrictions of mail service providers may be triggered if a newly registered email is used as the sender for frequent sending.

3. Email password: Enter the email password of the email to be sent. NOTE: Different email servers may have different requirements. For example, if QQ mail needs to open the authorization code separately in the setting page of the account, then fill in the authorization code.
4. Mailbox protocol type: Select the protocol type according to the type supported by the sender mailbox server, which is usually listed on the help page of the email service provider.
5. Mailbox server: Fill in according to the server address listed in the sender's mailbox server, which is usually listed on the help page of the mail service provider.
6. Port number: Fill in according to the port number listed in the sender's mailbox server, which is usually listed on the help page of the mail service provider.
7. Email sending period setting: The email period with attendance record can be sent automatically once a week or once a month.
8. Email content setting: The abnormal temperature switch and attendance record switch are turned off by default. When the "Abnormal Temperature" switch is turned on, a reminder email will be sent every time an abnormal temperature record appears in the background.

After turning on the "Attendance Record" switch, the recipient's mailbox will receive an email containing attendance record within 2 minutes after the first submission, and then the email containing attendance record will be sent automatically once a week or once a month according to the specified time set.

Recipient information

If you fill in the recipient's email account, you can receive emails automatically sent from the background. You can add/remove recipients by clicking the "+" or "-" icon on the right. Multiple recipients can receive abnormal temperature emails and attendance records emails at the same time. The recipient's email addresses can be filled in a maximum of 10 and a minimum of 1.

NOTE: Due to the different mechanisms of mail service providers, it is possible to mark emails with repeated subject lines as spam. Therefore, this problem can be avoided by adding the sender's email account to the white list in the recipient's mailbox.

CHAPTER 6: SYSTEM MANAGEMENT

4. Body Temperature display settings. With this setting, you can select to display body temperatures on pass records. If display body temperature is off, the temperature will be displayed as Passed/Failed instead.

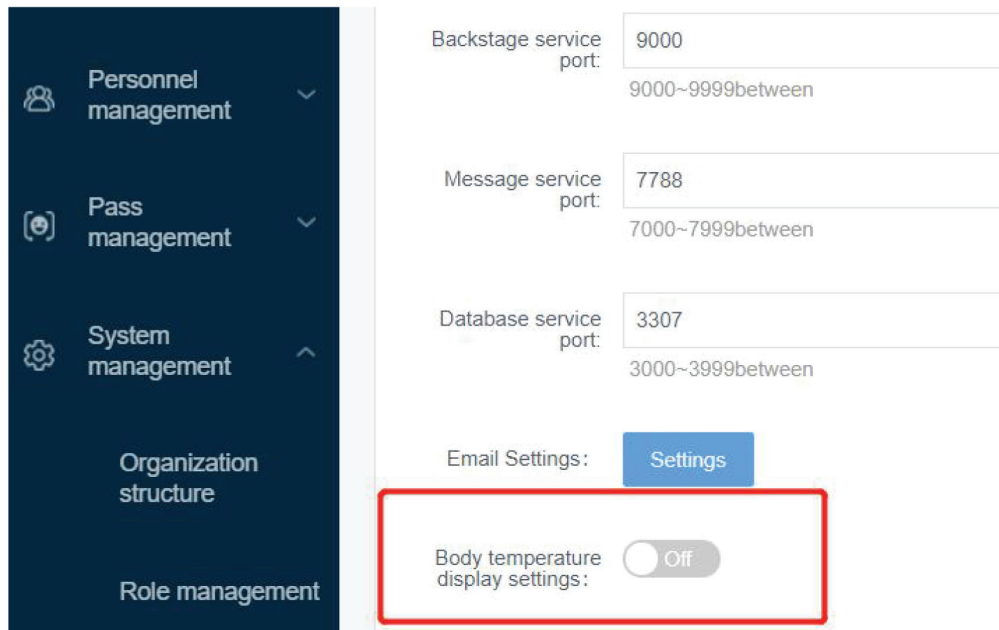


FIGURE 6-10. BODY TEMPERATURE DISPLAY SETTINGS

Refresh Export Export records Delete settings Close display settings

Regular refresh: Date range: 2020-08-14 - 2020-08-26 Status: All Traffic status: All

Type of access: All Enter name or device name for fuzzy query. Q

Snap photo	Name	Staff/Visitor	Body temperature	Pass status	Device name	Access direction	Creation time
		Visitor	97.7°F	● Body temperature is normal.	8CFCA0041E69	Face recognition	2020-08-25 18:17:29
	Stranger	Stranger	97.2°F	● Body temperature is normal.	8CFCA0041E69	Face recognition	2020-08-25 18:16:07
	Stranger	Stranger	97.3°F	● Body temperature is normal.	8CFCA0041E69	Face recognition	2020-08-25 18:16:02
	Stranger	Stranger	Passed	● Body temperature is normal.	8CFCA0041E69	Face recognition	2020-08-25 18:16:02
	Stranger	Stranger	Passed	● No mask wearing.	8CFCA0041E69	Face recognition	2020-08-25 18:15:21
		Employee	Failed	● Abnormal body temperature.	8CFCA0041E69	Face recognition	2020-08-25 17:28:55

FIGURE 6-11.

CHAPTER 7: ATTENDANCE MANAGEMENT

7. ATTENDANCE MANAGEMENT

7.1 ATTENDANCE RULES

[Attendance rules] Add, modify, and delete related rules including shifts, holidays, public holidays, and device groups, etc. are set in this module.

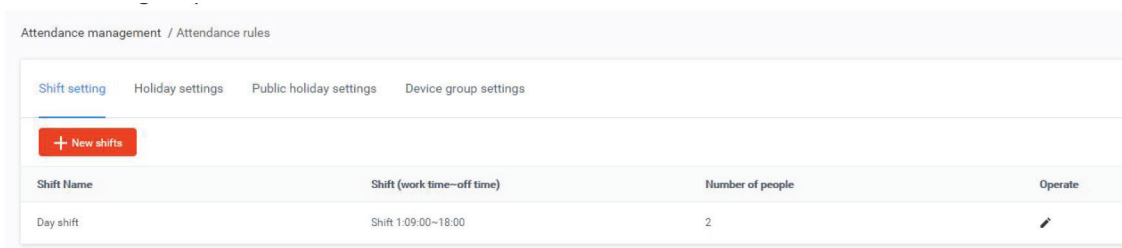


FIGURE 7-1. ATTENDANCE RULES

7.1.1 SHIFT SETTINGS

The shift setting contains a default shift. Click the new shift button to increase the shift. Click the modify shift icon in the operation to modify the parameters in the current shift. Click the delete shift icon in the operation to delete the current shift.

New shift

Click the New shift button to open the new shift settings interface.

Time	Period	Notes	Operate
Time1	Work time: 09:00 Off time: 18:00	Late: 0 minutes is not late Earlier for: 0 to leave is not leaving earlier.	

Overtime rules: Working hours are over hours on weekdays and after work hours are later than counting as overtime on working days.

Public holiday / holiday work time is at least minutes and work time is earlier than and work time is later than counting as overtime.

Buttons: Cancel, Save

FIGURE 7-2. NEW SHIFT SETTINGS

CHAPTER 7: ATTENDANCE MANAGEMENT

Shift name: The name can be customized to enter no more than 32 characters.

Shift settings:

1. The default is one shift. You can click the Add button to add shifts and set up to 4 shifts.
2. You can select/clear/customize the specific working/off time within the time period.
3. You can select and customize the minutes limit for late arrival and early departure in the notes.
4. Click the delete icon in the operation to delete this shift.

Overtime rules

1. You can manually enter and select the length of time required to work overtime on workdays and the time off work.
2. You can manually enter the length of time required for overtime on public holidays and holidays, as well as working time and off time.

7.1.2 HOLIDAY SETTINGS

Click New holiday to customize the time period of various holidays. Click Modify to modify the parameters of the currently set holiday. Click the delete to delete the current holiday.

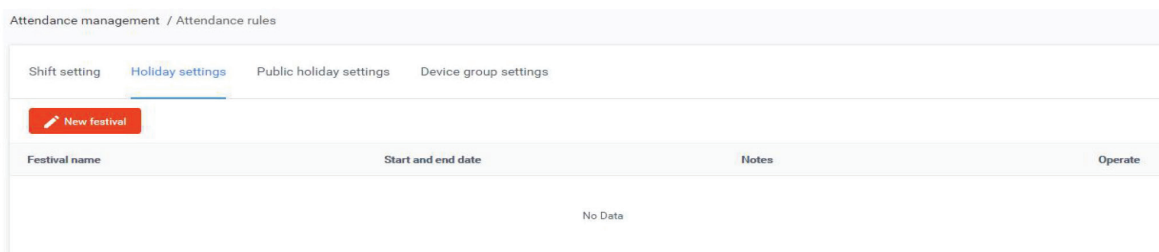


FIGURE 7-3. NEW HOLIDAY SETTINGS

New holiday

Click New holiday to open the new holiday interface.

Holiday name: The name can be customized to enter no more than 32 characters.

Start date and end date: The start date and end date of the newly added holiday can be customized.

NOTE: Enter no more than 50 characters to explain the holiday.

CHAPTER 7: ATTENDANCE MANAGEMENT

7.1.3 PUBLIC HOLIDAY SETTINGS

You can customize the fixed weekly rest days (Monday to Sunday). Click the Modify to modify the parameters of the currently set public holiday. Click the Delete to delete the current public holiday.

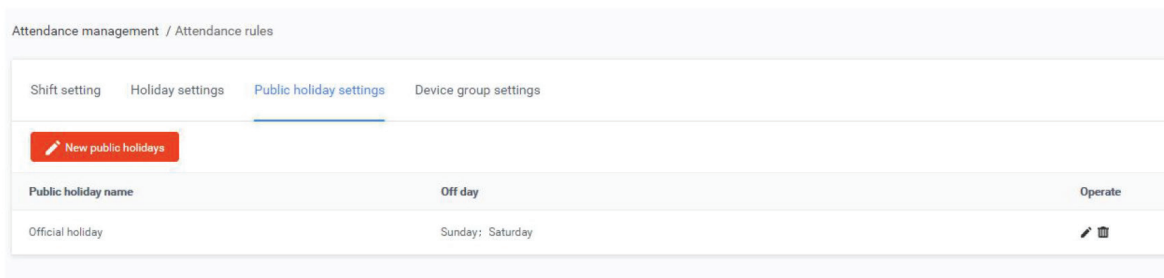


FIGURE 7-4. PUBLIC HOLIDAY SETTINGS

New public holiday

Click New public holiday to open the interface.

The dialog box titled 'New public holidays' contains the following fields and options:

- Name of public holiday:** A text input field with a placeholder 'No more than 32 characters'.
- Off day:** A list of days with checkboxes:
 - Sunday
 - Saturday
 - Friday
 - Thursday
 - Wednesday
 - Tuesday
 - Monday
- Buttons:** 'Cancel' and 'Save' buttons at the bottom right.

FIGURE 7-5. NEW PUBLIC HOLIDAY

Public holiday name: The name can be customized to enter no more than 32 characters.

Off day: You can select single or multiple choices from Monday to Sunday as a custom fixed weekly off day.

CHAPTER 7: ATTENDANCE MANAGEMENT

7.1.4 DEVICE GROUP SETTINGS

You can customize the new device group, and click the Modify to modify the device group information. Click Delete to delete a set device group.

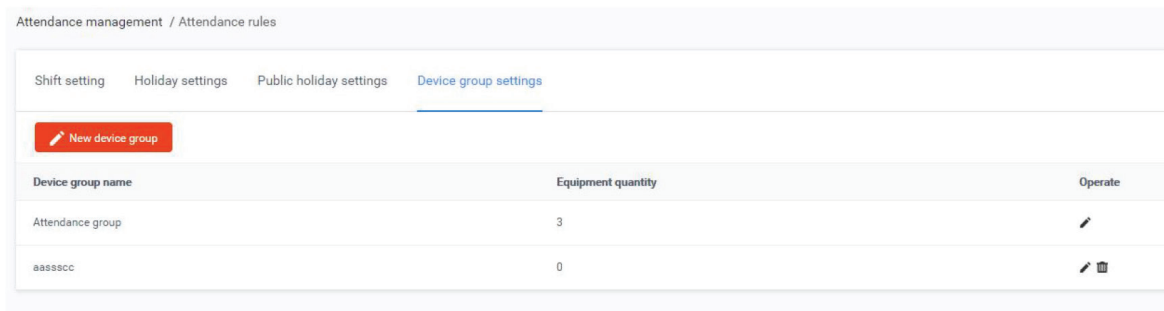


FIGURE 7-6. DEVICE GROUP

New device group

Click New device group to open the interface.

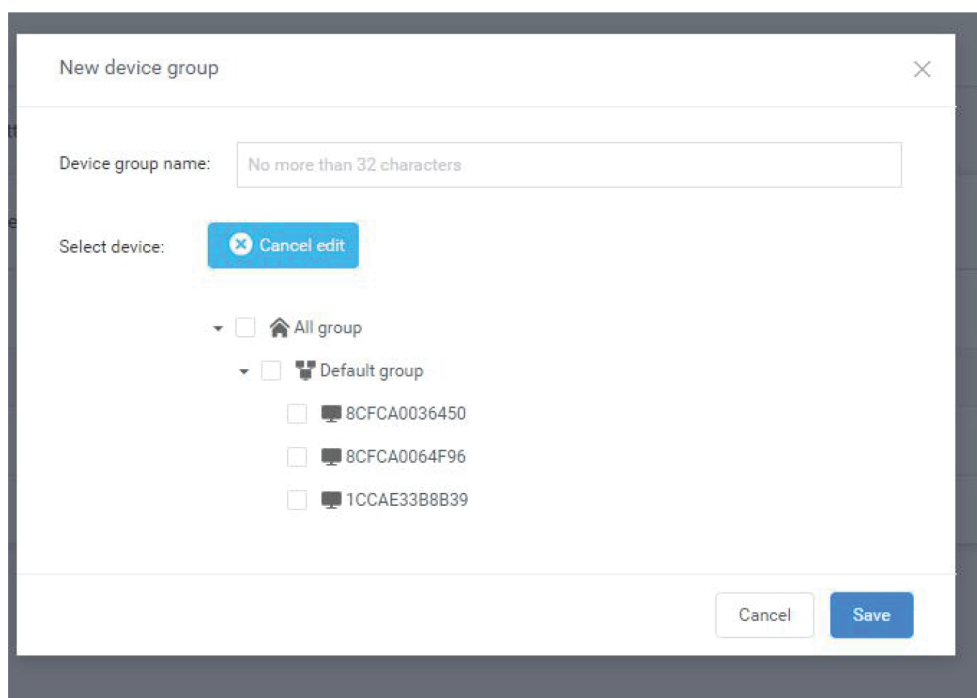


FIGURE 7-7. NEW DEVICE GROUP

Device group name

The name can be customized to enter no more than 32 characters.

CHAPTER 7: ATTENDANCE MANAGEMENT

Select device

The “Cancel edit” button is displayed by default. At this time, you can check the devices in each group of the associated account. After clicking the “Cancel edit” button once, the display changes to “Edit button” and the device check box is grayed out and cannot be checked.

7.2 ATTENDANCE RECORDS

[Attendance records] The functions of this module include: query the attendance records of all employees by time period and group, track employees by attendance status, query the daily attendance within a custom time period by employee name and ID, and query the attendance of employees by date record and export the query result list file to download locally.

The screenshot shows the 'Attendance records' interface. On the left, there is a sidebar with 'All group' and 'Default group' options. The main area contains a search bar for 'Search employee name / ID' and an 'Export' button. Below is a table with columns: Name, Date, Employee group, Employee ID, First clock on, not clock on, Body temperature, Status, and Operate. The table lists attendance records for employees 's' and 'yg' from 'Default group' across various dates in April 2020. Some dates are marked as 'Playday'. At the bottom, there is a pagination control showing '62 total', '10 Note/Page', and 'Page Jump'.

Name	Date	Employee group	Employee ID	First clock on	not clock on	Body temperature	Status	Operate
s	2020-04-23	Default group	111				Absence	⊙
yg	2020-04-23	Default group	1				Absence	⊙
s	2020-04-22	Default group	111				Absence	⊙
yg	2020-04-22	Default group	1				Absence	⊙
s	2020-04-21	Default group	111				Absence	⊙
yg	2020-04-21	Default group	1				Absence	⊙
s	2020-04-20	Default group	111				Absence	⊙
yg	2020-04-20	Default group	1				Absence	⊙
s	2020-04-19	Default group	111				Playday	⊙
yg	2020-04-19	Default group	1				Playday	⊙

FIGURE 7-8. ATTENDANCE RECORDS

Employee grouping list

In the list, the group name and group information are the same as the group data in [Employee list], which is synchronized in real time according to the data changes in the employee list. After selecting all groups, the attendance records of all employees are displayed on the right side of the interface. In the sub-group, only the attendance records of the employees in the group are displayed.

Attendance records list - Employee name, Employee ID, Employee group

Display the name of the employee and the corresponding employee ID and employee group.

Attendance record list - Date

1. By default, the attendance record date of the day before the query date is displayed.
2. If the day's date belongs to a custom holiday, the “Holiday” icon will be displayed to the right of the date.
3. If the current day belongs to a custom public holiday, the “Off” icon will be displayed to the right of the date.
4. If today's date belongs to a customized holiday and public holiday, the “Off” and “Holiday” icons will be displayed on the right side of the date.

Attendance — First clock on, Last clock on

The employee's first attendance is displayed in the first clock on, and the employee's last attendance is recorded in the last clock on. If the employee did not attend that day, no data will be displayed.

CHAPTER 7: ATTENDANCE MANAGEMENT

Attendance – Status

1. If the employee commutes normally within the specified time during the day, the status bar will not display the mark.
2. If the employee's attendance record is normal within the specified time, no mark is displayed in the status bar.
3. If the employee leaves early at the end of the day, the status bar marks early departure.
4. If the employee is absent from the day, the absence is marked in the status bar.
5. If the employee has overtime that day, the overtime mark will be displayed in the status bar.
6. If multiple marking conditions are met at the same time, the status bar will display multiple markings at the same time.

Attendance records list – Operate

You can enter the Pass management – Pass record page to view the employee's attendance details for the day.

Search bar

Enter the employee name or employee ID in the search box and click "Enter" to query the employee's attendance record.

Range search

Click the arrow button to the right of the search box to open the Range search interface.

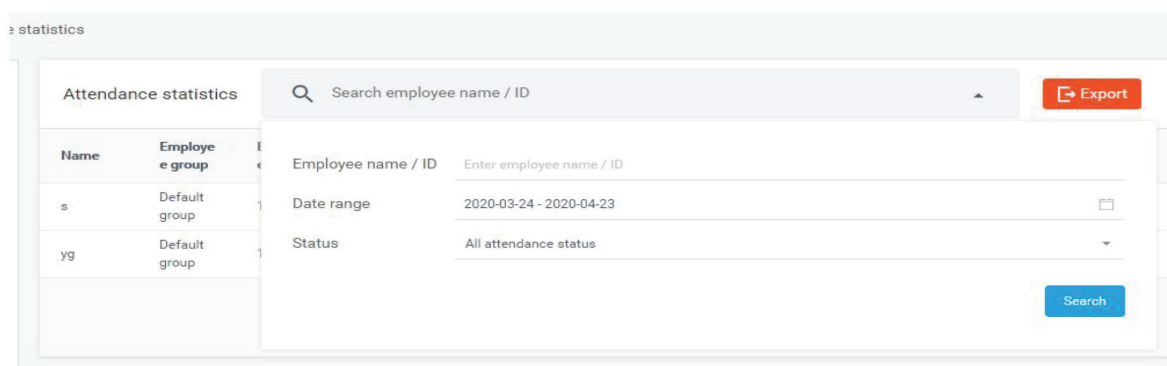


FIGURE 7-9. RANGE SEARCH

The attendance status selects all by default. If you do not enter the date range and employee name, you can query the current month attendance records of all employees.

Attendance status can be manually selected separately for normal, late, early leave and absent. You can also customize the input or select the date and employee name/ID for a combined query within the specified range.

Export

Click the export button to download the employee attendance record form of the current query page to the local.

Turn page

By default, 10 attendance records are displayed on each page. You can manually click to select 15/20/25/50/100 records.

You can click the previous page and next page buttons to view the record. Click the first page and the last page to jump directly to the first page or the last page to view the record. After entering numbers in the page number input box, click Jump to jump directly to this page to view the record.

CHAPTER 7: ATTENDANCE MANAGEMENT

7.3 ATTENDANCE STATISTICS

This module can query or export the data of normal and abnormal attendance of employees at all times and within a specified range of time; working days, public holidays and overtime data on holidays.

Attendance management / Attendance statistics

Attendance statistics

Name	Employee group	Employee ID	Normal days	Late days	Leave-early days	Absence days	Overtime on working day	Overtime on public holiday	Overtime on holiday	Operate
s	Default group	111	0	0	0	23	—	—	—	<input type="checkbox"/>
yg	Default group	1	0	0	0	23	—	—	—	<input type="checkbox"/>

2 total 1/1 Page Jump

FIGURE 7-10. ATTENDANCE STATISTICS

Employee group list

In the employee group list, the group name and group information are the same as the group data in the [Employee list], and the data changes in the Employee list are synchronized in real time. After all groups are selected, the attendance statistics of all employees will be displayed on the right side of the interface. The sub-grouping only displays the employee attendance statistics of the group.

Attendance statistics list – Employee name, Employee ID, Employee group

Display the name of the employee and the corresponding employee ID and employee group.

Attendance statistics list-normal days, late arrivals, early departures, absences

By default, the statistics of the current month of the query date are displayed. The employee's normal days, late arrivals, early departures, and absences will be displayed. If there is no record in the query time range, it will be displayed as 0.

Attendance statistics list – Overtime on working days, Overtime on public holidays, Overtime on holidays

By default, the statistics of the current month of the query date are displayed. It will display the total number and hours of employees working overtime on working days, public holidays and holidays. If there is no record in the query time range, it will be displayed as “-”.

Attendance statistics list – Operate

Click the Attendance record icon on the left side of the interface to enter the Attendance management - Attendance record page to view the employee's attendance record for the day.

Click the Attendance record icon on the right side of the interface to enter the Pass management - Pass record page to view the employee's attendance details for the day.

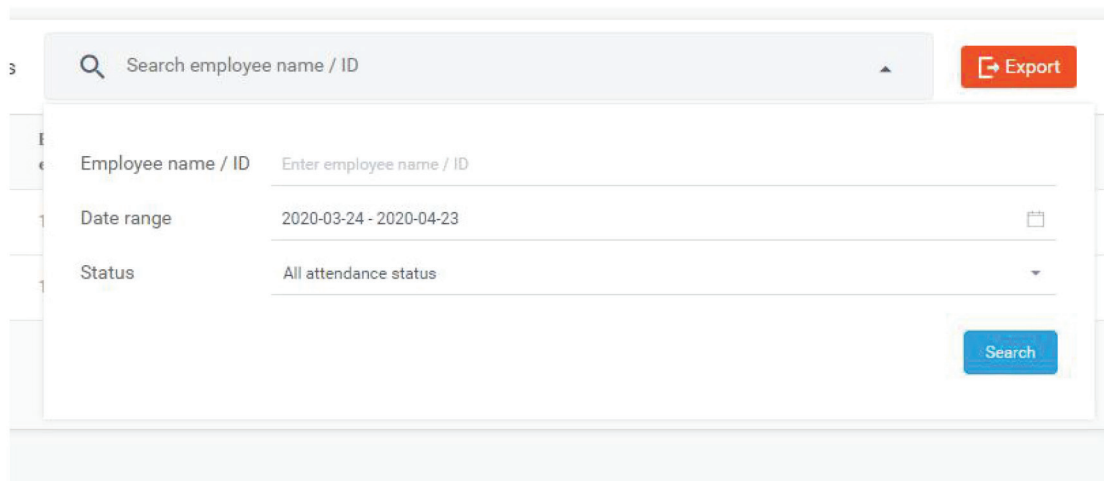
Search bar

Enter the employee name or employee ID in the search box and click “Enter” to query the employee's attendance data.

Range Search

Click the arrow button to the right of the search box to open the range search interface.

CHAPTER 7: ATTENDANCE MANAGEMENT



The screenshot shows a search interface for attendance management. At the top, there is a search bar with a magnifying glass icon and the text "Search employee name / ID". To the right of the search bar is a red "Export" button with a download icon. Below the search bar is a form with three input fields: "Employee name / ID" with the placeholder text "Enter employee name / ID", "Date range" with the value "2020-03-24 - 2020-04-23" and a calendar icon, and "Status" with the value "All attendance status" and a dropdown arrow. A blue "Search" button is located at the bottom right of the form.

FIGURE 7-11. RANGE SEARCH

The attendance status is selected as all by default. If you do not enter the date range and employee name, the default is to query the attendance data of all employees in the current month.

Attendance status can be manually selected separately for normal, late, early leave, and absent. You can also customize the input or select the date and employee name/ID for a combined query within the specified range.

Export

Click the export button to download the employee attendance record form of the current query page to the local.

Turn page

By default, 10 attendance records are displayed on each page. You can manually click to select 15/20/25/50/100 records.

You can click the previous page and next page buttons to view the record. Click the first page and the last page to jump directly to the first page or the last page to view the record. After entering numbers in the page number input box, click Jump to jump directly to this page to view the record.

CHAPTER 8: CLIENT FUNCTIONS

8. CLIENT FUNCTIONS

8.1 CLIENT LOGIN

1. After opening the application on the device, click the middle mouse button to pop up the password input box and enter the default password: 123456 to enter the settings page.
2. Click Login Management to enter the login interface. Enter the same account password as the web page to log in.

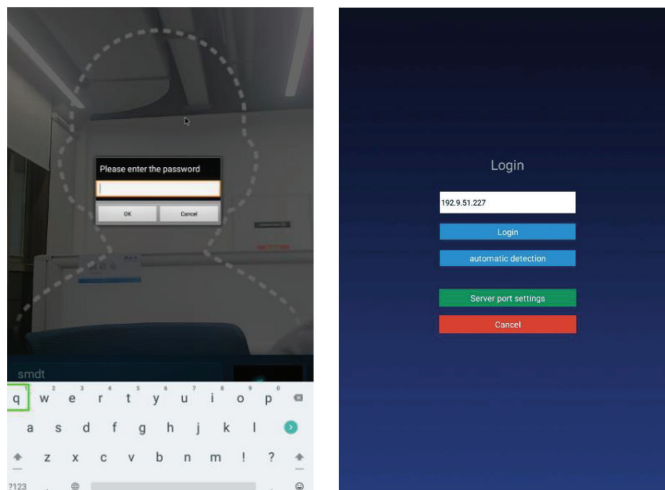


FIGURE 8-1. LOGIN PAGE

NOTE: You need to enter the set device password before entering the login management, after logging into the application settings and before exiting the application. The password can be set in the “Parameter setting” in the [Device management] on the backstage web page, or can be modified in the “App Password Settings” in the terminal application settings.

Application management

After successful login, click the middle mouse button to open the [Application management] interface. The current page displays the login information: local name, local IP, connected server, current login status, and login management, application settings, face entry, application Six functions of information, pass record, and face database.

Login management

After logging in, you can click “Sign out” to log out of the current account.

CHAPTER 8: CLIENT FUNCTIONS

8.2 APPLICATION SETTINGS

Enter the [Application settings] page, which contains the following function settings.



FIGURE 8-2. FUNCTION SETTINGS

8.2.1 DEVICE NAME SETTING

By default, the device name is the MAC address of the device, which can be modified manually. After being logged in, it will be synchronized to the background after modification, and can also be set in the “device details” in the [device management] of the background web page.

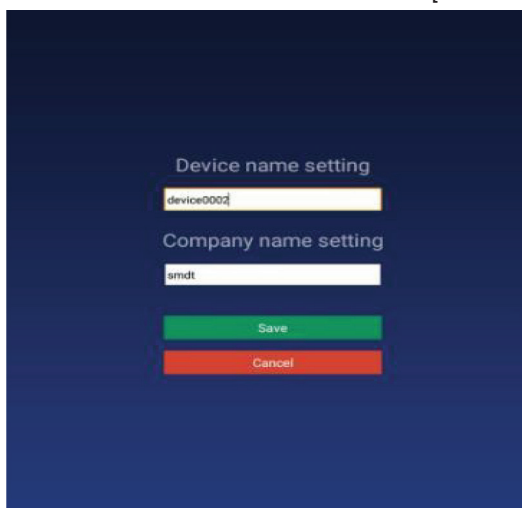


FIGURE 8-3. DEVICE NAME SETTING

CHAPTER 8: CLIENT FUNCTIONS

8.2.2 BODY TEMPERATURE SETTING

Body temperature detection switch

1. Control body temperature detection function. You can choose to turn on or off, the default is on.
2. On: During the identification of personnel traffic, the interface will display and broadcast the body temperature value after the face is recognized.
3. Off: During the recognition of personnel traffic, the outline of the face in the interface is automatically hidden. The interface will not detect body temperature after the face is recognized.

Compensation temperature

1. When the ambient temperature may affect the detected body temperature, the compensation temperature can be set to adjust automatically.
2. The compensation temperature value defaults to 0.3, and the setting range is 0–1, and a maximum of one decimal can be reserved; “compensation +” is selected by default.

Example: Compensation +0.3 degrees, the problem is 36.1 during identification, then 36.4 is displayed.

Centigrade/Fahrenheit

Available to choose temperature in Celsius or Fahrenheit

Alarm threshold

Set an alarm threshold to control body temperature detection. When the body temperature alarm is turned on, the identified body temperature exceeds the threshold and an alarm is issued. The default is 37.3, and only numbers between 30.0 and 45.0 can be entered, and up to one decimal can be reserved.

Body temperature alarm

1. Control body temperature alarm function. You can choose on or off, the default is on.
2. On: When the detected body temperature is higher than the threshold, the interface displays the body temperature and emits an alarm sound; if the body temperature is lower than the threshold, there will be no alarm.
3. Off: No matter the body temperature is high or low, there will be no alarm.

Mask detection

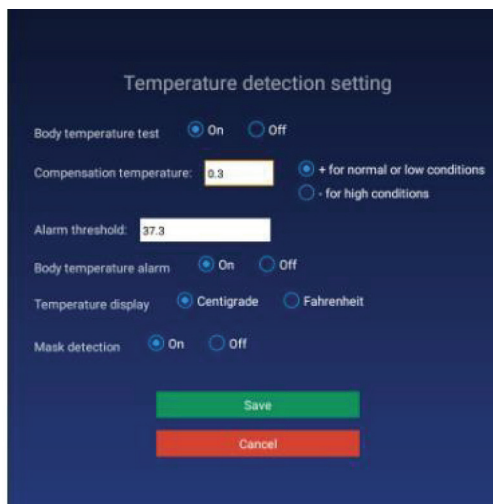
1. Control the mask detection function. You can choose to turn on or off this function, the default is off.
2. On: Recognize people not wearing a mask. After recognition, the display style is a red background. Access is prohibited. Please wear a mask. The voice broadcast “Please wear a mask”; wearing a mask can be recognized normally.
3. Off: Does not detect whether to wear a mask during recognition.

Stranger Mode

Allow strangers (faces not existing in database) with normal temperature to access.

CHAPTER 8: CLIENT FUNCTIONS

Stranger/Restricted Records



The screenshot shows a 'Temperature detection setting' dialog box with a dark blue background. It contains the following controls:

- Body temperature test:** Radio buttons for 'On' (selected) and 'Off'.
- Compensation temperature:** A text input field containing '0.3', with radio buttons for '+ for normal or low conditions' (selected) and '- for high conditions'.
- Alarm threshold:** A text input field containing '37.3'.
- Body temperature alarm:** Radio buttons for 'On' (selected) and 'Off'.
- Temperature display:** Radio buttons for 'Centigrade' (selected) and 'Fahrenheit'.
- Mask detection:** Radio buttons for 'On' (selected) and 'Off'.

At the bottom are two buttons: a green 'Save' button and a red 'Cancel' button.

FIGURE 8-4. STRANGER/RESTRICTED RECORDS

8.2.3 IDENTIFICATION PARAMETER SETTING

Test threshold

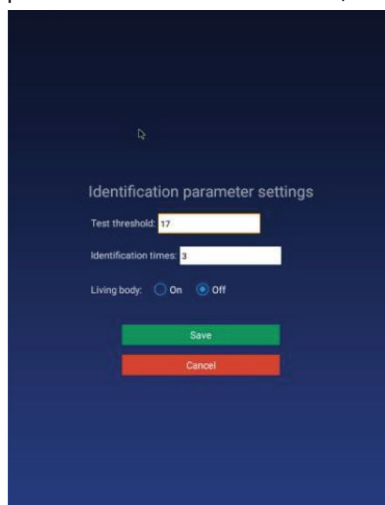
It is used when checking the pictures into the warehouse. The higher the threshold is set, the lower the requirements on the pictures. It needs to be set reasonably. The default value is 17.

Number of recognition

The number of times to identify whether a person is an already-entered person, the default value is 3.

Living portrait detection

Whether to enable live detection when recognizing personnel can be set to on or off, and the default value is off.



The screenshot shows an 'Identification parameter settings' dialog box with a dark blue background. It contains the following controls:

- Test threshold:** A text input field containing '17'.
- Identification times:** A text input field containing '3'.
- Living body:** Radio buttons for 'On' and 'Off' (selected).

At the bottom are two buttons: a green 'Save' button and a red 'Cancel' button.

FIGURE 8-5. ID PARAMETER SETTING

CHAPTER 8: CLIENT FUNCTIONS

8.2.4 VOLUME SETTING

While logged in, the volume setting of the synchronization server can also be set locally.

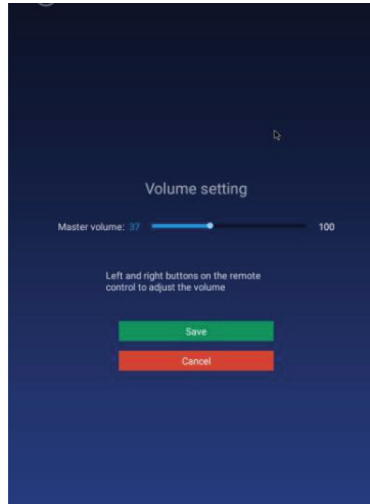


FIGURE 8-6. VOLUME SETTING

8.2.5 START-UP SETTINGS

Auto-star

The application will start automatically when it is turned on, and it will not start when it is turned off.

Application daemon

The application will automatically jump back to the playback interface within 30 seconds after opening the application page when opening, and not automatically when closing.

Application thread guard

When the camera is turned on, an abnormality occurs and the camera restarts.

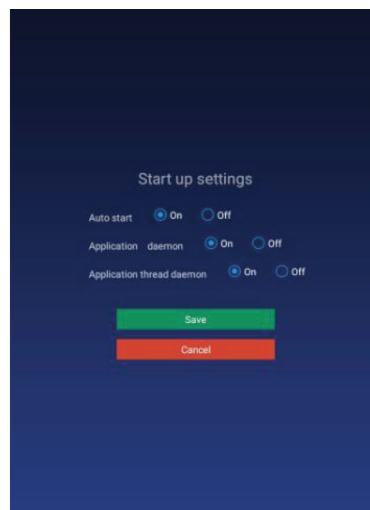


FIGURE 8-7. THREAD GUARD

CHAPTER 8: CLIENT FUNCTIONS

8.2.6 APPLICATION INFORMATION SETTINGS

After setting, the camera displays or hides the bottom information bar in full-screen display; default: display, which can be set to show or hide.

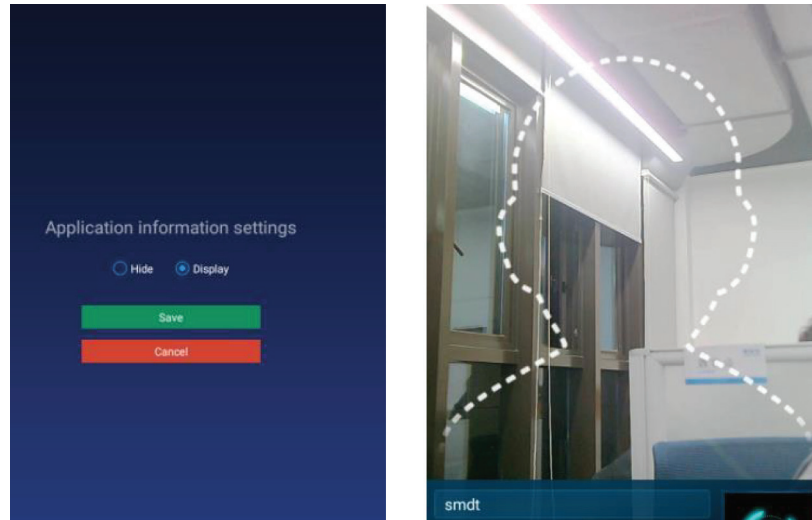


FIGURE 8-8. INFORMATION SETTINGS

8.2.7 RECOGNITION EFFECT DISPLAY

Set the effect of face recognition, including the display when the recognition is successful (the default value displays the image) / when the recognition fails (the default value is turned on the red light), the fill light display (the default value of the three-color light), as shown in the figure.

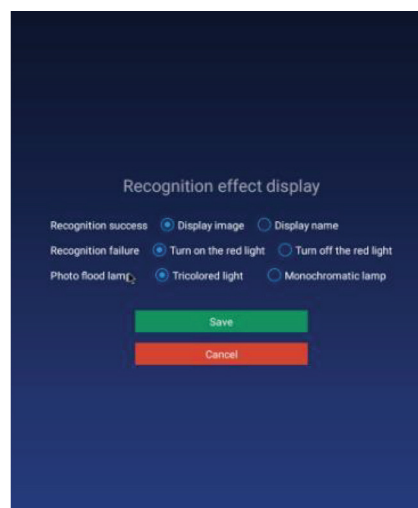


FIGURE 8-9. RECOGNITION EFFECT

CHAPTER 8: CLIENT FUNCTIONS

8.2.8 APPLICATION PASSWORD SETTINGS

1. Enter the login management, enter the application settings after login, and exit the application before you need to enter the set device password, the initial password: 123456.
2. The password can also be set in the "Parameter Setting" of [Device Management] on the background web page.
3. Enter the original password, new password, confirm the new password, and save it to modify the password; the password length limit: 1-6 digits, can not be set to blank.

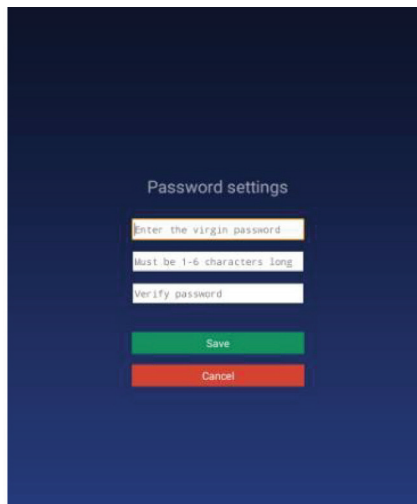


FIGURE 8-10. APPLICATION PASSWORD

8.2.9 CAMERA PREVIEW RESOLUTION SETTING

Set the camera resolution when performing face recognition. The default value is 1280 x 720.

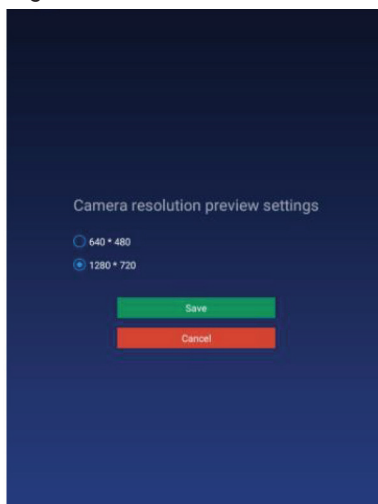


FIGURE 8-11. CAMERA PREVIEW RESOLUTION

CHAPTER 8: CLIENT FUNCTIONS

8.2.10 SCREEN-SAVER BRIGHTNESS SETTING

Screen-saver

1. When face recognition is not required, a screen-saver is required. After recognizing a face, jump to the home page.
2. The app starts to display the homepage, there is a face recognition homepage within 30s, and no face recognition screen-saver within 30s.

Screen-saver brightness setting

Adjust the brightness value displayed on the screen saver, drag the set value, and save it.

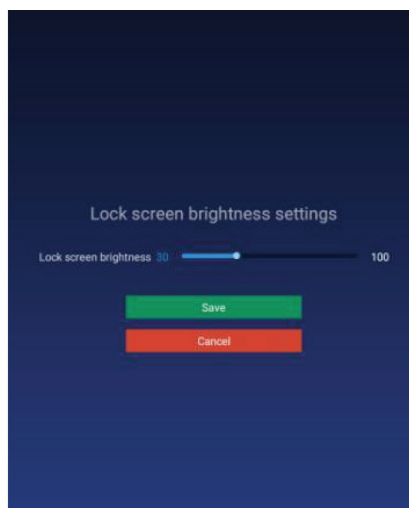


FIGURE 8-12. SCREENSAVER SETTING

8.2.11 DEVICE RESTART TIME SETTING

Set the device restart time: hour-minute (default value 03:00) and 24-hour system. If you choose to restart, the device will automatically restart at the selected restart time. If you choose not to restart, it will not restart. The default value is to restart.

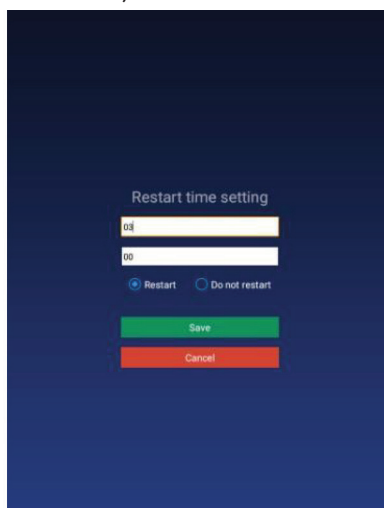


FIGURE 8-13. DEVICE RESTART TIME

CHAPTER 8: CLIENT FUNCTIONS

8.2.12 RELAY SETTINGS

Relay mode:

0: indicates no automatic closing mode, that is, it will not automatically close after opening the relay, the default value.

1: Indicates automatic closing mode (high effective-default low level, then high level for X seconds, and finally low level). That is, after opening the relay, a delay of X seconds will automatically close.

2: Indicates auto-close mode (active low-default low level, then high level for X seconds, and finally low level). That is, after opening the relay, a delay of X seconds will automatically close.

Delay time: The default unit is 5 seconds and the maximum value is 63 seconds.

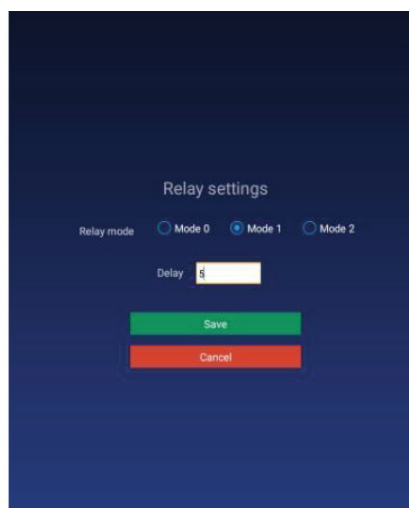


FIGURE 8-14. RELAY SETTINGS

8.2.13 OTHERS

Upgrade firmware of temperature module

The firmware of the temperature measurement module can be manually upgraded through application settings. First insert the U disk, and then enter the temperature measurement module upgrade function of the application settings to select the firmware that can be upgraded for manual upgrade. After the upgrade, you can view the version number of the new firmware of the temperature measurement module. (The firmware file needs to be placed in the root directory of the U disk, and the file name must be updateTemp.bin)

Callback settings

1. This setting includes on and off.
2. On: You need to enter the callback address, the callback address is implemented according to the callback interface document provided by us.
3. Off: The callback function is turned off, the recognition record is not callback.

CHAPTER 8: CLIENT FUNCTIONS

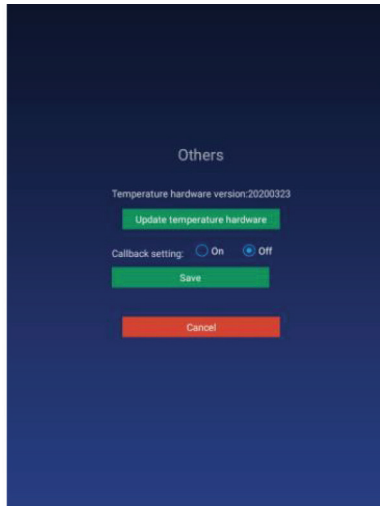


FIGURE 8-15. CALLBACK SETTINGS

8.2.14 APPLICATION INITIALIZATION

The application initialization function will clear all data in the application and restore it to its initial state, including user login information, entered face information, access records, and settings in the application settings.

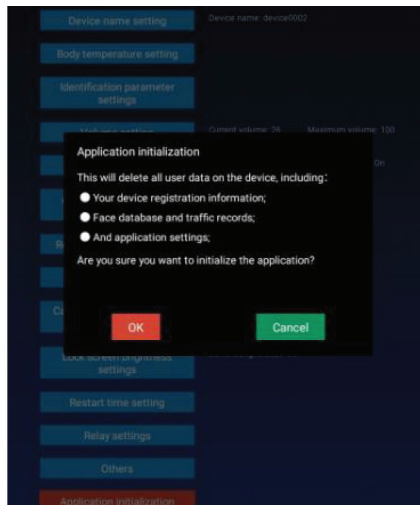


FIGURE 8-16. APPLICATION INITIALIZATION

CHAPTER 8: CLIENT FUNCTIONS

8.3 FACE PORTRAIT ENTRY

You can enter personnel information locally, collect faces, enter employee ID, name, gender, and save. After the entry is successful, it will be synchronized to the background; after the face is collected, the picture will be verified and the verification result will be displayed.

8.4 PERSONNEL IMPORT IN BULK

In addition to a single entry method, you can also import personnel to the client in batches via a U disk. The import method adopts excel format and folder method. The detailed operation steps are as follows:

1. Create importVip directory with U disk.



FIGURE 8-17.

2. Put the excel file in the importVip directory, please refer to the template file for the excel template. Note that excel 2003 is used and can only exist in one excel file.

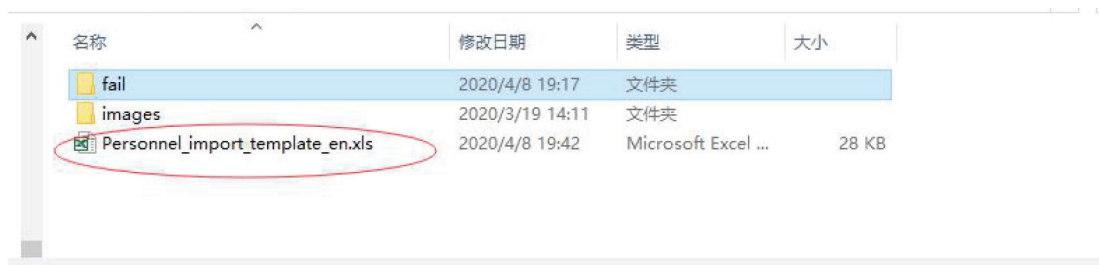


FIGURE 8-18.

3. Create an images directory to store the face photos of the people to be imported. The photo name is the employee ID of the excel form, and the photo supports png or jpg format.

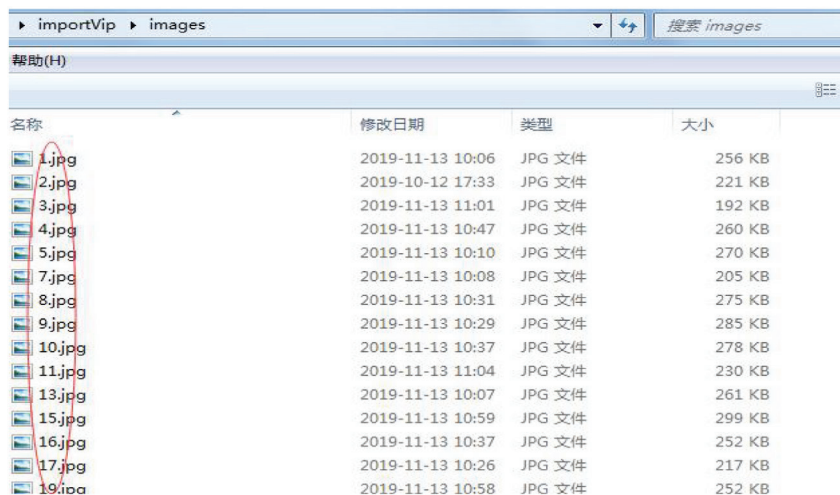
Instructions:

- . Personnel ID: required; cannot be repeated; and in 0-10 characters, such as 0000000001
- . Name: required; in 0-32 characters, consisting of Chinese, English or numbers
- . Gender: optional; select "Male" or "Female"
- . Belonging group: required; must be a group that already exists in the system; The subgroups are separated by "-", and the format is "All group-subgroups-subgroups".
- . Phone number: required; cannot be repeated; Chinese phone numbers are filled in according to the length rules of domestic mobile phone numbers; Other countries' phone number
- . Other ID: optional; cannot be repeated; in 15 or 18 characters, and the character type is number or letter
- . Email: optional; cannot be repeated; in 0-32 characters, no limitation on character types
- . IC card: optional; cannot be repeated; in 0-64 characters, no limitation on character types
- . Native place: optional; in 0-64 characters, no limitation on character types
- . Date of Birth: optional; the format is "xxxx-xx-xx", and not possible to enter a future date
- . Address: optional, in 0-128 characters, no limitation on the character types
- . Notes: optional, in 0-128 characters, no limitation on the character types

Personnel ID	Name	Gender	Belonging group	Phone number	Other ID	Email	IC card	Native place	Date of Birth
52300777	John c	Male	All group-Default group	+8613424319358	430481199022202375	aff@mail.com	000230001212	London	05-Dec-80
000000002	Jane Doe	Female	All group-Default group	+8613424319359	430481199022200476	wgc@mail.com	000570003321	London	06-Feb-90

FIGURE 8-19.

CHAPTER 8: CLIENT FUNCTIONS



名称	修改日期	类型	大小
1.jpg	2019-11-13 10:06	JPG 文件	256 KB
2.jpg	2019-10-12 17:33	JPG 文件	221 KB
3.jpg	2019-11-13 11:01	JPG 文件	192 KB
4.jpg	2019-11-13 10:47	JPG 文件	260 KB
5.jpg	2019-11-13 10:10	JPG 文件	270 KB
7.jpg	2019-11-13 10:08	JPG 文件	205 KB
8.jpg	2019-11-13 10:31	JPG 文件	275 KB
9.jpg	2019-11-13 10:29	JPG 文件	285 KB
10.jpg	2019-11-13 10:37	JPG 文件	278 KB
11.jpg	2019-11-13 11:04	JPG 文件	230 KB
13.jpg	2019-11-13 10:07	JPG 文件	261 KB
15.jpg	2019-11-13 10:59	JPG 文件	299 KB
16.jpg	2019-11-13 10:37	JPG 文件	252 KB
17.jpg	2019-11-13 10:26	JPG 文件	217 KB
19.jpg	2019-11-13 10:58	JPG 文件	252 KB

FIGURE 8-20.

4. Insert the USB port of the device after it is created and import it automatically. The current total number of imported people, successful people and failed people will be displayed.



FIGURE 8-21.

5. After the import is completed, a fail folder will be created under the importVip directory, and a description of the reason for the import failure will be generated.

CHAPTER 8: CLIENT FUNCTIONS

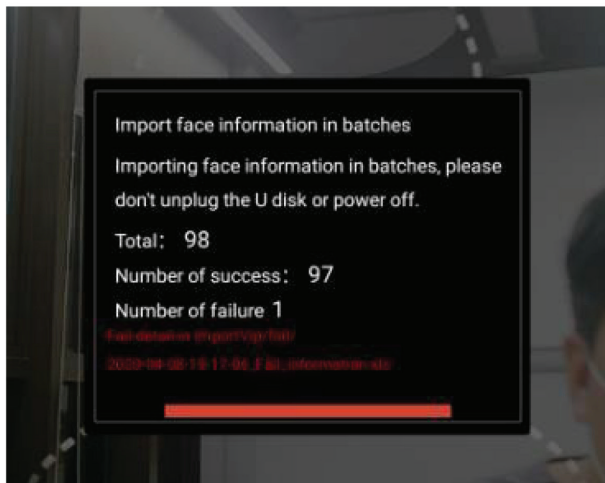


FIGURE 8-22.

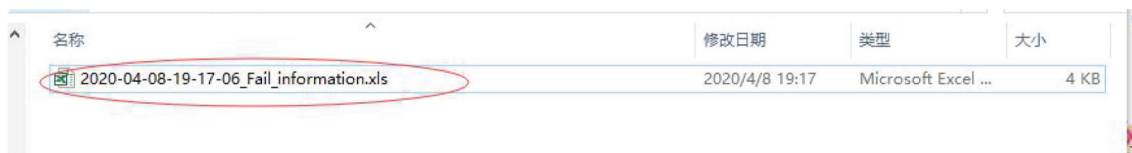


FIGURE 8-23.

8.5 PASS RECORDS

By default, the travel records of the current day are displayed, and the data of the travel records can be queried and exported by day (the data of the current day is displayed by default, and the export record needs to be inserted into a U disk). The name, identity, time of passage, temperature and snapshot of the passage will be displayed.



FIGURE 8-24. PASS RECORDS

CHAPTER 8: CLIENT FUNCTIONS

8.6 APPLICATION INFORMATION

Display application and terminal system related information, as shown next.

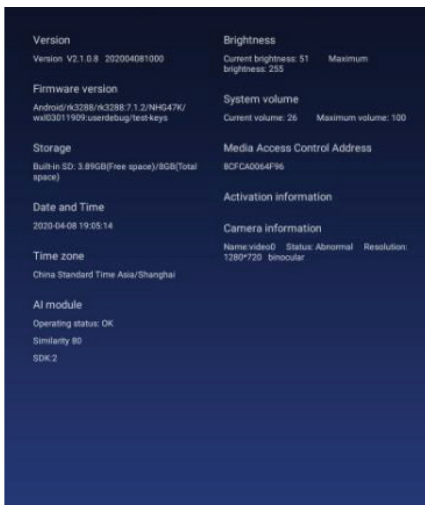


FIGURE 8-25. APPLICATION INFORMATION

8.7 FACE DATABASE

The face database page can view the face database information of the current device. The list will display the name, identity, expiration date, type and pictures. Records can be deleted, and local personnel can also be uploaded to the background.

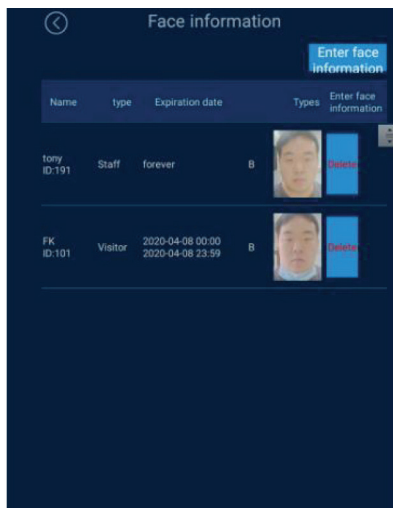


FIGURE 8-26. FACE DATABASE

CHAPTER 8: CLIENT FUNCTIONS

8.8 IDENTIFY THE HOME PAGE

Homepage description

The top information bar: The time information bar will automatically synchronize the server time and day of the week.

Camera screen: The camera screen is displayed in full screen, and the recognition result is displayed when passing through.

The bottom information bar: The company name, number of people, photo, MAC address, IP address and version number will be displayed.

Company name: The default is to set the company name, which can be set through the background.

Number of people and photo information: The number of people refers to the total number of people in the device, and the number of photos is the number entered in the face database, which changes automatically after synchronizing data.

MAC address: It is the mac address information of the current device.

Version number: the current version number of the client.

IP address: It is the current IP of the client. If there is no address, the display is blank, and the address needs to be displayed dynamically.



FIGURE 8-27.

Pass recognition

It can be identified based on the person's identity. You can also check the body temperature of the identified person, whether to wear a mask, and display the identification results.

8.9 OTHERS

Person and Paper Comparison

The client accesses the ID card to identify the peripherals, and the device ID is set to "Person & Paper comparison". Swipe the ID card on the peripheral device. When the ID card matches the currently recognized person, the gate will be opened.

Client languages

The English version has been adapted. After exiting the client, the system language is set to English, and the interface automatically changes to the English version after entering the application. BDS also supports Chinese language.

APPENDIX: DISCLAIMER/TRADEMARKS

A.1 DISCLAIMER

Black Box Corporation shall not be liable for damages of any kind, including, but not limited to, punitive, consequential or cost of cover damages, resulting from any errors in the product information or specifications set forth in this document and Black Box Corporation may revise this document at any time without notice.

A.2 TRADEMARKS USED IN THIS MANUAL

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Any other trademarks mentioned in this manual are acknowledged to be the property of the trademark owners.



NOTES

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