

# **Face recognition cloud platform and client**

## **User instructions**

**April 2020**

# Directory

Login.....	1
I. Access control equipment.....	7
1. Device List.....	7
2. Face Database.....	12
3. Bulk importers.....	13
4. Device Authority.....	14
5. Organizational.....	16
6. Access Record.....	17
7. Photographs .....	19
8. Fever Recor.....	20
9. Synchronization .....	21
10. Entered Face.....	24

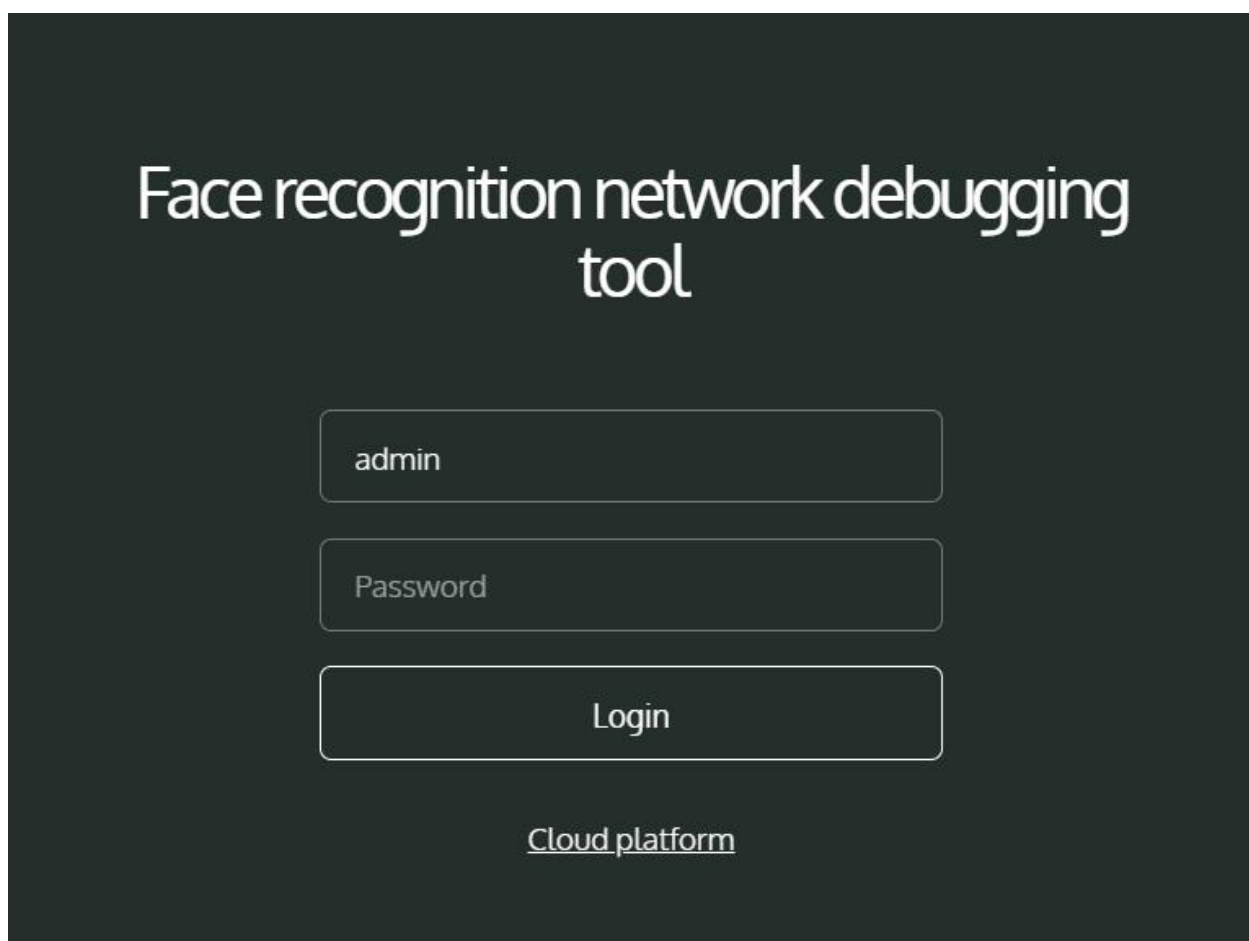
# Login

## 1.access device local network debugging tool

### (1) Device Management Background Settings - Local Debugging Tools

Confirm that the equipment is in the same LAN as the management computer, enter the address IP the device in the computer browser (if the Machine screen is LIP : 192.168.1.189 , enter 192.168.1.189)

Note: the Google browser is recommended

The image shows a dark-themed login interface for a 'Face recognition network debugging tool'. At the top, the title 'Face recognition network debugging tool' is displayed in a large, white, sans-serif font. Below the title, there are three input fields: the first contains the text 'admin', the second is labeled 'Password' in a light gray font, and the third is a 'Login' button. At the bottom of the interface, there is a link labeled 'Cloud platform' in a light gray font.

Account: admin password :123456

## (2) Network Parameters - Configuration Equipment Access

wired network connection

<1>DHCP on: automatically configure network IP and other information;

<2>DHCP shutdown: manual configuration of network IP and other information, detailed reference computer access parameters; Wireless network connection

The hot spot closes, the wired network DNS deletes, enters the usable wifi name and password, notes the case symbol one Hot spot connections

It is suitable for wireless computer, computer directly connected to device hot spot. Hot spot name: **FaceClient\_\*\*\*\***, password :**12345678**

General parameters

**Network parameters**

Cloud parameters

Recognition parameters

Display parameters

Voice parameters

Image parameters

Interface parameters

Control command

Use dhcp for wired network

Enable

Ip address for wired network

192.168.0.189

Network mask for wired network

255.255.255.0

Gateway for wired network

Dns for wired network

Wifi Ap mode

Disable

Wifi ssid

Wifi password

Submit

## (4) Cloud Parameters - Configure Cloud Platform and Docking on Equipment

Main parameters: cloud push mode, push address.

**Face recognition cloud platform:**

cloud platform:Push mode (WEBSOCKET), push address (ws: [//www.ys2b.com/webfnzn/face/fyface](ws://www.ys2b.com/webfnzn/face/fyface))

Client:Push mode (WEBSOCKET), push address (ws: //IP:8081/opbm/webfnzn/face/fyface)

\* Note: IP refers to the IP of your computer

The screenshot shows a configuration interface for a face recognition system. On the left, there is a sidebar with several tabs: 'General parameters', 'Network parameters', 'Cloud parameters' (which is highlighted with a red box), 'Recognition parameters', 'Display parameters', 'Voice parameters', 'Image parameters', 'Interface parameters', and 'Control command'. The main area on the right is titled 'Cloud push mode' and contains several input fields. The 'Cloud push mode' dropdown menu is set to 'WEBSOCKET' (highlighted with a red box). Below it, there are fields for 'Device number', 'Object id', 'Http url' (set to 'http://192.168.1.199:8090/api/Face'), 'Tcp url' (set to '192.168.1.199:8080'), 'Mqtt url' (set to 'tcp://192.168.1.199:1883'), 'Websocket url' (set to 'ws://www.ys2b.com/opbm/webfnzn/face/fyface' and highlighted with a red box), 'Cloud login name', and 'Cloud login password' (set to '123456').

Parameter	Value
Cloud push mode	WEBSOCKET
Device number	
Object id	
Http url	http://192.168.1.199:8090/api/Face
Tcp url	192.168.1.199:8080
Mqtt url	tcp://192.168.1.199:1883
Websocket url	ws://www.ys2b.com/opbm/webfnzn/face/fyface
Cloud login name	
Cloud login password	123456

## 2. Cloud Platform Account

(1) After successful purchase and receiving the equipment, fill out the cloud platform application form, contact our technicians and send the form to our technicians



(2) Personal account information will be obtained in the following format:

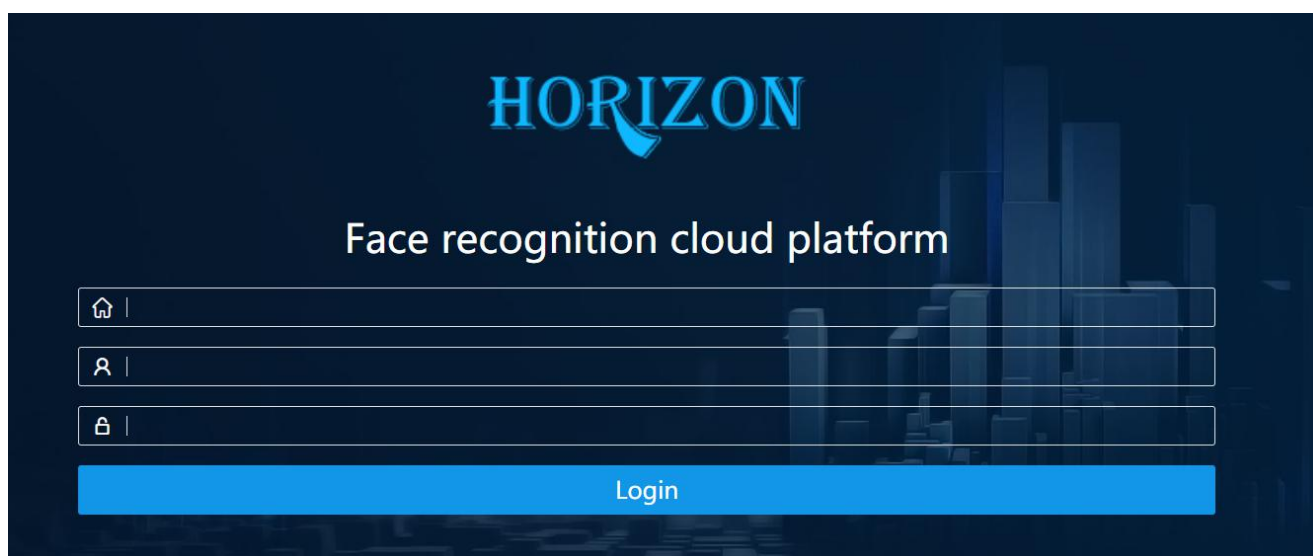
Enterprise domain:fy

Technology User

Name: ceshi

Password :\*\*\*\*\*

Address: <http://www.ys2b.com/obpm>



## 3 .Local client

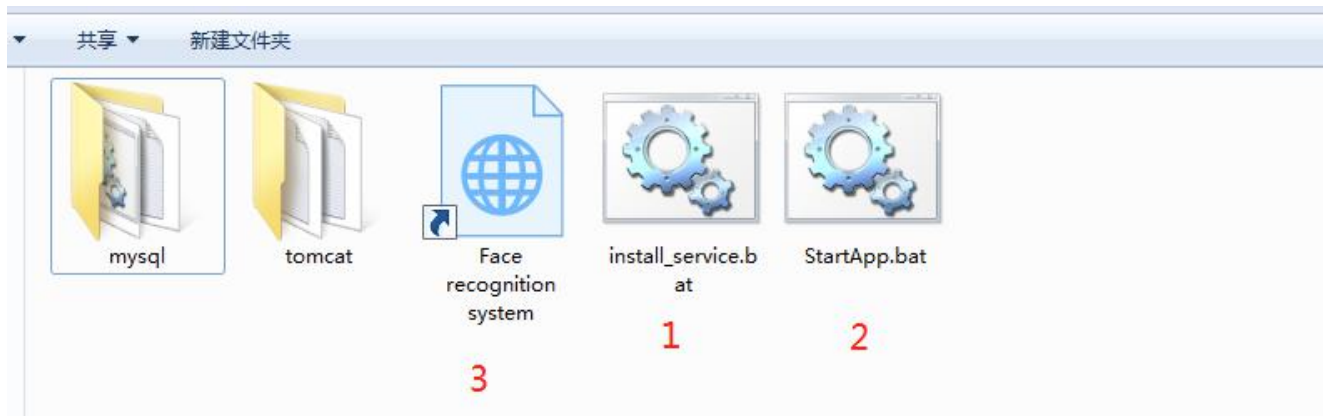
(1) Installation environment

<http://www.fnzn.net/en/faceapp.zip>

(2) Unzip, unzip the file faceapp.rar to D: root directory

(3) Open the faceapp file Enter enterprise domain, account number, password after the point

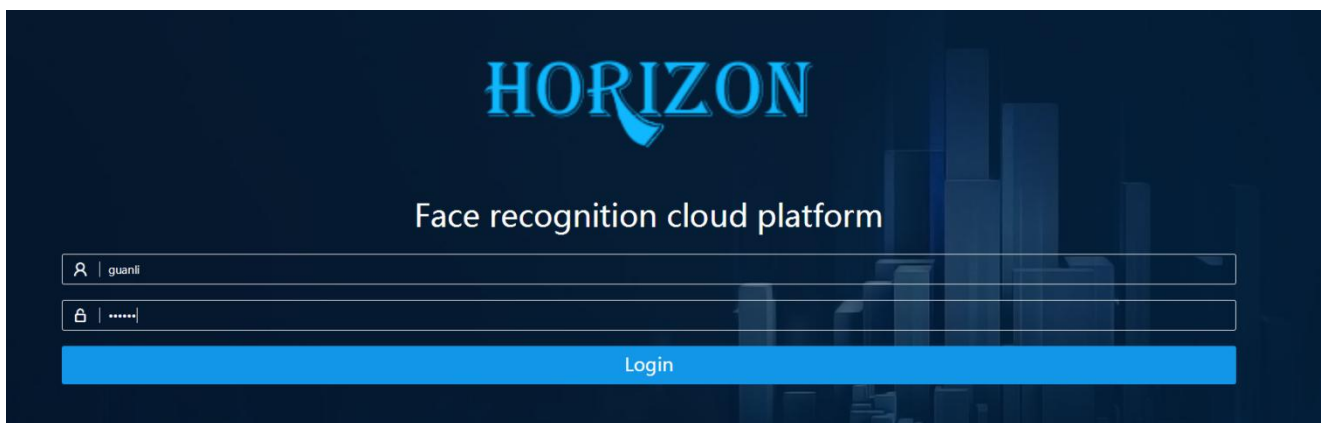
[login] into the face recognition cloud platform.



Run install\_service, bat as an administrator and wait for the operation to complete

Run StartAPP as an administrator and wait for about 2 minutes.

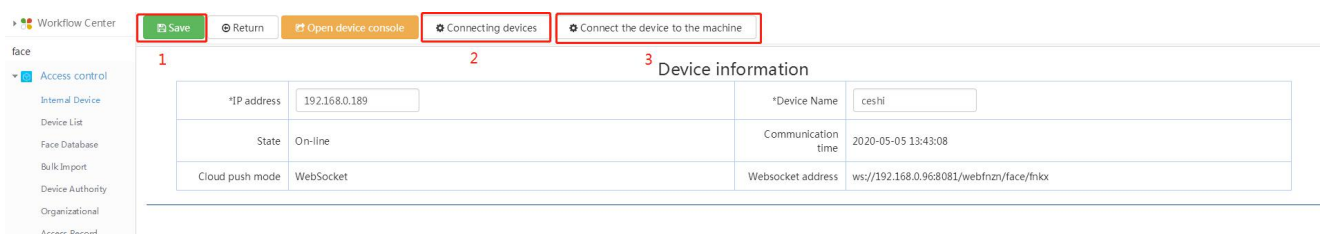
Open the face recognition system, login username: guanli password: 123456



**\*Note: For use under win10 system, port 8081 must be opened**

#### 4. Add devices to the platform

Click in order:-> Intranet device-> New-> Enter the IP address of the device, the name can be set by yourself



**\* Note: Be sure to click Save.**

## 5. Connect the platform

Click to connect the device and wait until the following picture appears:

The screenshot shows the 'Workflow Center' interface. On the left is a sidebar with 'face' and 'Access control' sections. The main area is titled 'Device information' and contains a table with the following data:

*IP address	192.168.0.189	*Device Name	ceshi
State	On-line	Communication time	2020-05-05 13:43:08
Cloud push mode	WebSocket	Websocket address	ws://192.168.0.96:8081/webfnzn/face/fnkn

(1) Click "Let the device connect to this machine". Wait for the device to restart

(approximately 2 ~ 3 minutes)

(2) Re-enter the webpage and open-Device Maintenance-You can see that the device is online, the online device SN number is the same as the SN number at the bottom of the device screen



## 一、Access control equipment

### 1. Device List

1.1 Basic information: if there is a device name, click the device name directly; if there is no device name, click [new], fill in the device information, version information on the basic information page, select the use scene, then click [save], need to synchronize to the device click [device parameters] under the "device operation" page, and then see the synchronization status in the "synchronization information" page, as shown in the following figure:

The screenshot displays the 'Device List' and 'Device Information' interface. The 'Device List' table shows a device with ID '001' and status 'Off-line'. The 'Device Information' form is open, showing fields for Device Name, SN, Owner, Status, Version Information, and Application scenarios. The 'Save' button is highlighted in the top left, and the 'Device Name' field is highlighted in the top right. The 'Application scenarios' section is highlighted at the bottom.

device	sn	Status	Address	Owner	Last communication time
001	0000000000000000	Off-line			2020-04-24 19:27:48

Device Information

\*Device Name:

\*SN:

Owner:  Add Clear

Status: Off-line

Last communication time: 2020-04-24 19:27:48

Version Information

Interface Version Number: V3.5

Hardware Version Number: B022

Software Version Number: 2.3.4-1 2020-04-18

Algorithm Version Number: 1.0.2-1.2.0

Associated Developer:

Synchronous Number: 0/0

Device Address:

Position on the Map:

Synchronous Timeout: 60 second

Photo Compression: 0 px(suggest1024px)

Record not uploaded: 0

Synchronization: Employee Manual Visitors Manual

Application scenarios: Access Control No Company attendance No School attendance No

1.2 Parameter Information: Click [Parameter Information], set each parameter information, then click [Save], need to synchronize to set Click Device Parameters on the Device Action page and view the synchronization status on the Synchronization Information page, as shown below:

System Settings

Administrator's Password	123456 (number, letter, character)	ntp enabling	open
ntp cycle	24 0-24 (hours)	ntp address	ntp1.aliyun.com ntp DN
City	shenzhen city name in lower-case pinyin	Communication Serial Port Baud Rate	9600 115200
Area ID		Entrance or Exit	entrance
Switch open automatically when identified successfully	Enable	Latching time of on-off relay	500 ms, 1000ms=1s
temperature detection	Enable	abnormal temperature line	37.3 e.g.37.3
Always Open Door	Disable	Automatically removes Expired facial info	Disable
Authentication mode	facial info, or card	Alarm display	Enable

recognition setting

Live face detection	Disable	Identification distance	>3m
---------------------	---------	-------------------------	-----

1.3 Passage Time Settings: Click on [Passage Time Settings], set the custom time period of the passable date, Monday to Sunday, then click [Save], need to synchronize to the device click [Device parameters] under the "Device Operation" page, and then view the synchronization status in the "Sync Information" page, as shown in the following figure:

Passable Period

Passable Period	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Custom period1							
Custom period2							
Custom period3							
Custom period4							
Custom period5							
Custom period1							

1.4 Network Information: Click [Network Information] to view, as shown below:

Save Return Upgrade

Basic Parameter PassablePeriod **Network** AccessController Synchronization Online EnteredFace EnteredPhoto

cloud push mode	WebSocket	Wired network DHCP enabling	开启
Wired network IP address	192.168.1.189	Wired net subnet mask	255.255.255.0
Wired gateway	192.168.1.1	Wired DNS	
Wifi wireless hotspot	禁止	Wifi DHCP enabling	开启
Name of wifi		Wifi password	
Websocket address	ws://www.ys2b.com/webfnzn/face/fnkn	http delivery address	http://192.168.1.199:8090/api/Face
Mqtt delivery address	tcp://192.168.1.199:1883	Tcp delivery address	192.168.1.199:8080

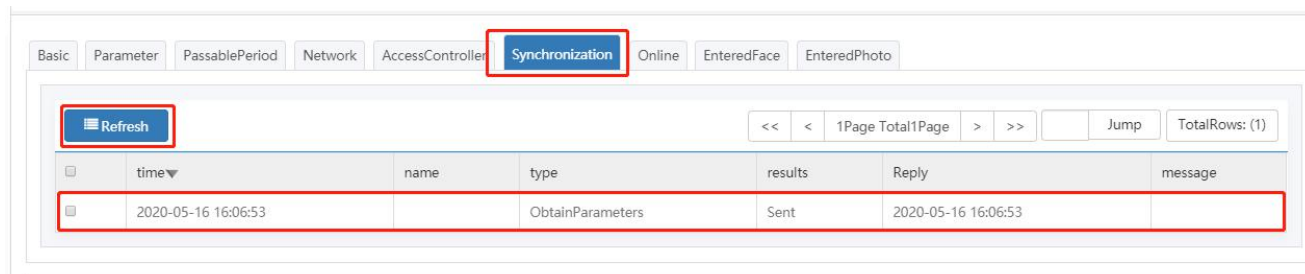
1.5 Equipment operation: after all the parameters are set, click [set parameters] in the [device operation] page, you can synchronize the set parameters to the device, as shown in the following figure

Save Return Upgrade

Basic Parameter PassablePeriod Network **AccessController** Synchronization Online EnteredFace EnteredPhoto

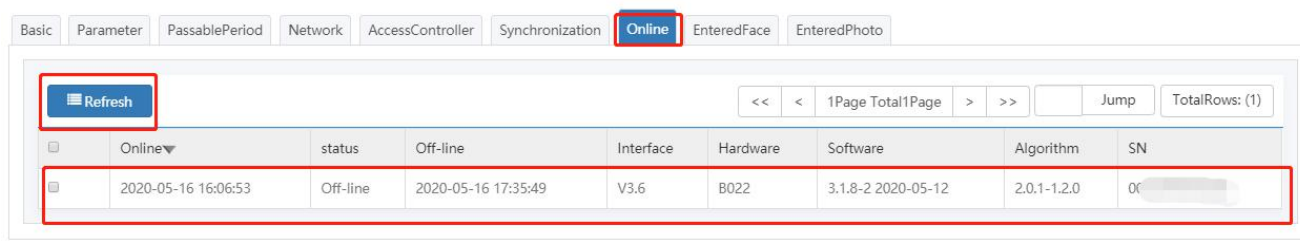
DeleteAllFacialInformationOnTheDevice	RemoteOpenTheDoor	RemoteRestart	SnapshotOnlineOffFace	SnapshotOnline
ObtainParameters	<b>SetUpParameters</b>	LockTheDevice	UnlockTheDevice	ExtractFacialInfo
StopExtractingFacialInfo	CleanTheRecordsOnTheDevice			

1.6 Synchronization information: click on [synchronization information] to view the status of equipment synchronization information, to view the current operation click [refresh] to view the current operation synchronization information, as shown in the following figure:

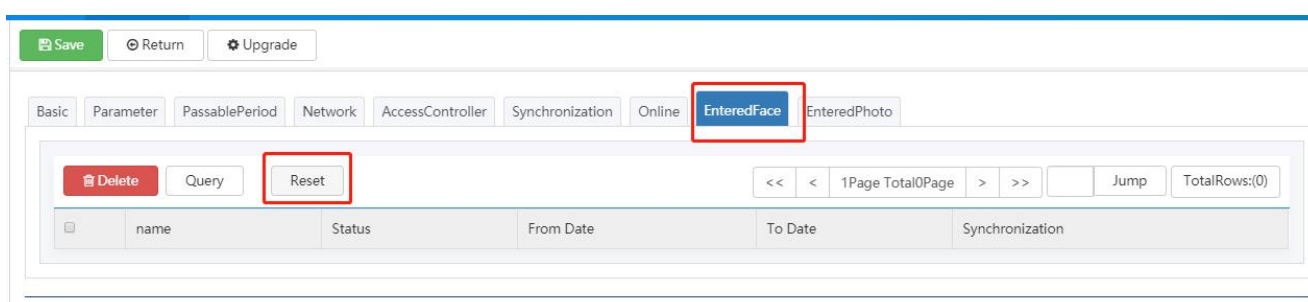


1.7 Online Information: Click [Online Information] to view the device online status to view the current new access device click

You can view the current online status of the access device, as shown below:



1.8 Equipment personnel: click [equipment personnel] to view the status of equipment personnel, to view the current operation click [reset] to view the current operation of equipment personnel information, as shown in the following figure:



1.9 Deice Photo :Click[Device Photo] to view the device photo information (only online photos can have device photos), to view the current operation click [refresh] to view the current operation

photo information, as shown in the following figure:

SaveReturnUpgrade

BasicParameterPassablePeriodNetworkAccessControllerSynchronizationOnlineEnteredFaceEnteredPhoto

refresh the device to read the photo information

<<<1Page Total0Page>>>JumpTotalRows:(0)

photo

time

SaveReturnSynchronize

number	11ea-9745-e8b2a275-960c-a5450944893a 1216	*name	testmale
identity/department		telephone number	
Birthdate		*photo	<div>1RotateRightRotateLeft</div>
photo2	<div>2</div>	photo3	<div>3</div>
effective date	2020-05-16	expiry date	2030-05-14
owner	adminAddClear	IC card number	
attendance rules	=select=	access permissions	White list

dispay setting

dispay mode	no personalized content	dispay Salutation	no
preattached words		postattached words	

device to be synchronized

1

>><<

device synchronized

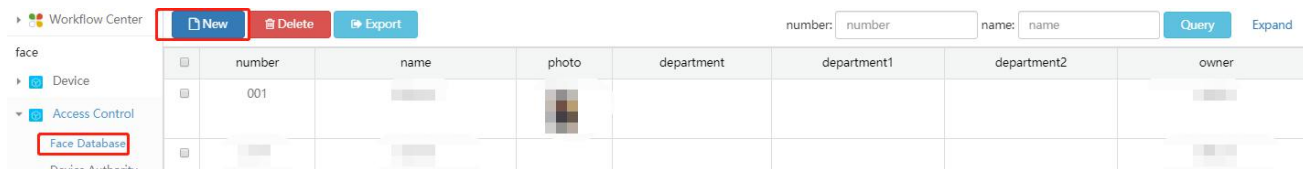
DeleteQueryReset

<<<1Page Total0Page>>>JumpTotalRows:(0)

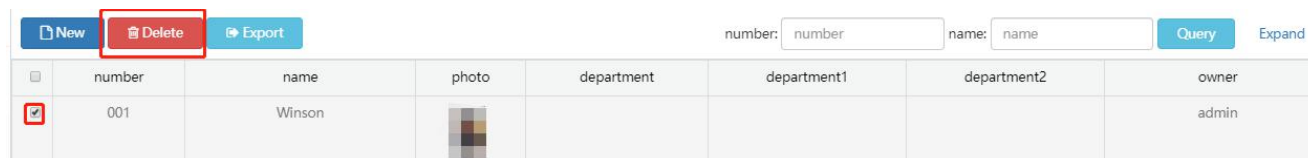
device	Status	time	results
--------	--------	------	---------

## 2. Personnel additions

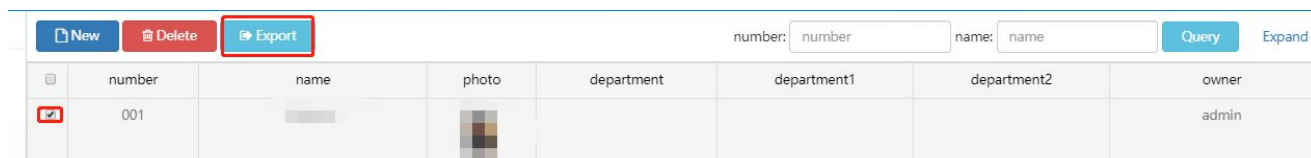
2.1 Click [New], fill in personnel information, broadcast settings, display settings, and then click [Save], select the device to be synchronized and then click [Synchronize to the device immediately ],[ broadcast parameters Synchronize to the device] can, as shown below



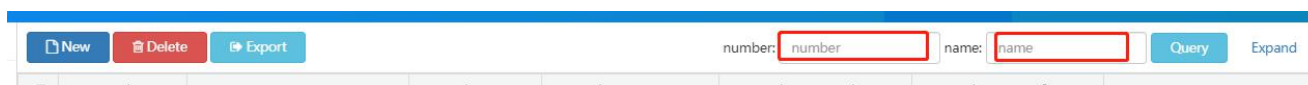
2.2 Delete the person information, tick the name of the registration information to delete, click [delete] can:



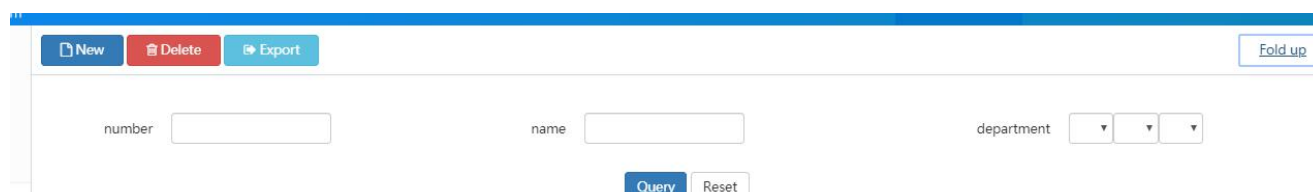
2.3 Export personnel information, click [export] to export registration information to the Excel form:



2.4 Query personnel information, enter the number or name, click [query] can:

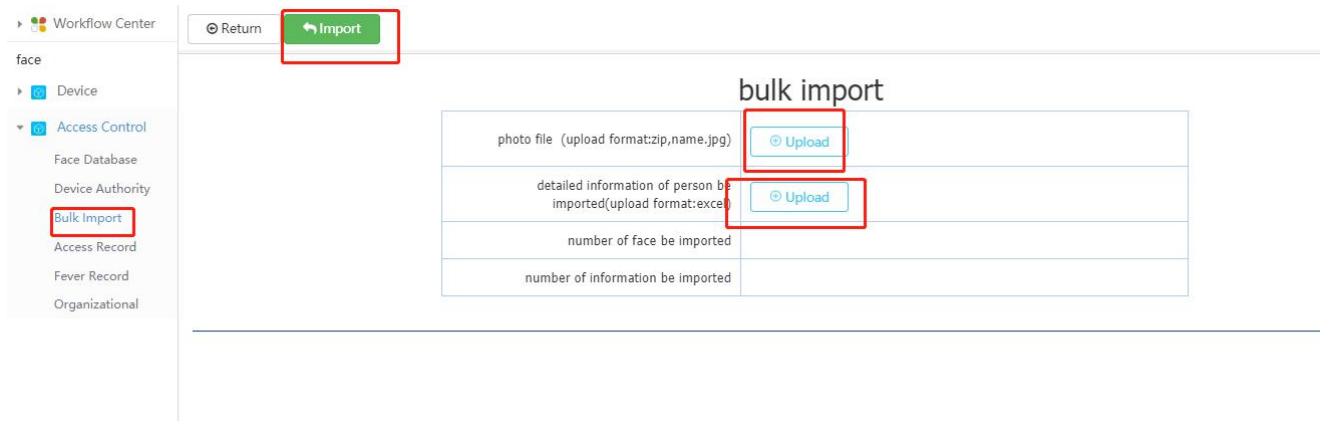


2.5 Advanced query, click [advanced], fill in the number, name, select department, click [query] can:



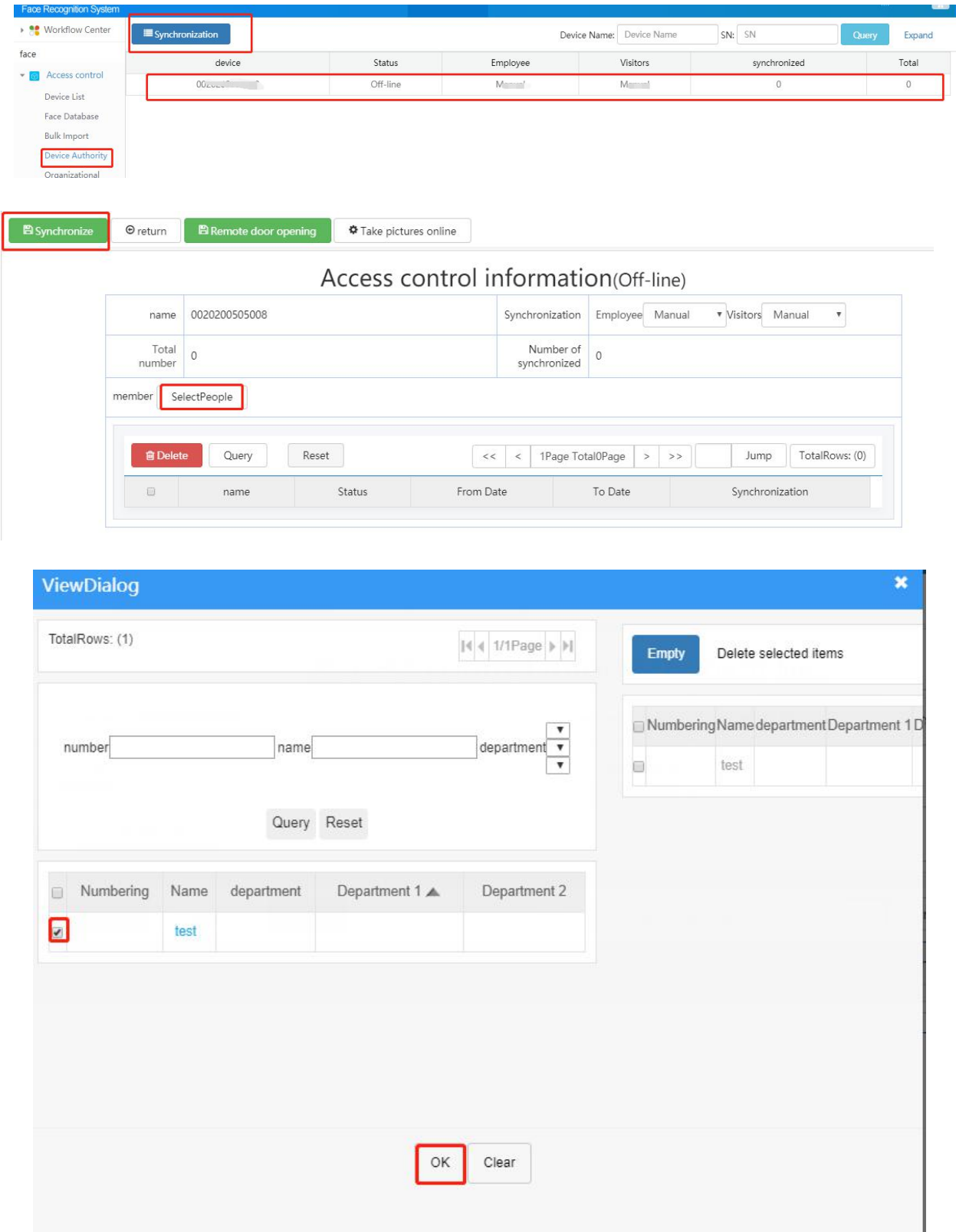
### 3.Bulk importers

3.1 Click [New], upload face file, face information file (Note: a face must correspond to a person information, otherwise can not import), click [Import] can, as shown in the following figure:



4.Device Authority

4.1 Click [automatic synchronization], you can automatically synchronize employees, visitors to the device, click on the specific device name to view the device access information. New members click [Select Person], tick the person in the view box (multiple selections are allowed), click [Synchronize] when you are sure, as shown below:





4.2 Query access control settings, enter the device name, device number, click [query] can:

Synchronization

Device Name:  SN: 

Query Expand

device	Status	Employee	Visitors	synchronized	Total
0020200505008	Off-line	Manual	Manual	0	0

4.3 Advanced query, click [Advanced], fill in the device name, device number, select status, click [Query] can:

Synchronization

Fold up

Device Name  SN  Owner test Status 

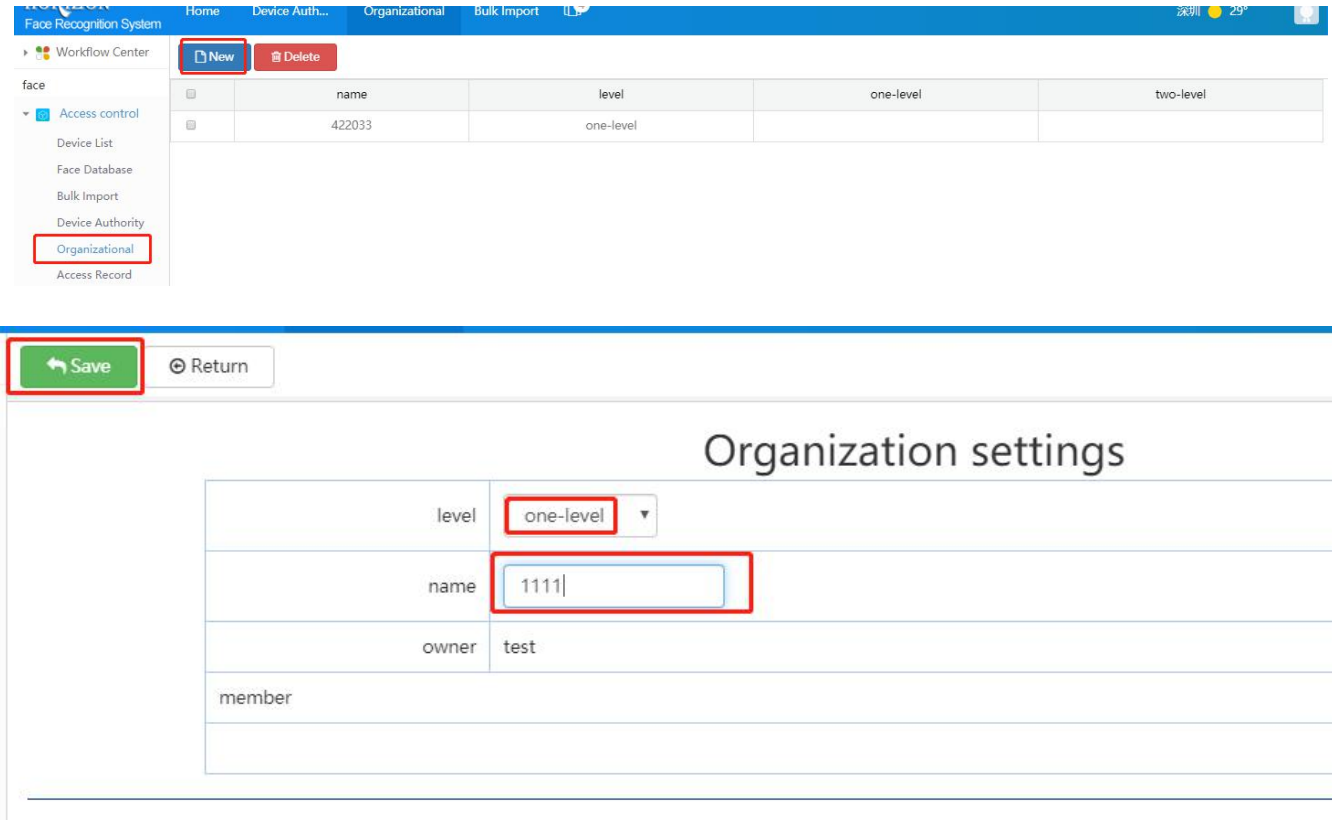
All

Query

Reset

## 5.Organizational

5.1 Click [New], fill in the visitor registration information, then click [Save ]



5.2 Delete visitor information, tick the name of the visitor to delete, click [delete] can:



## 6.Access Record

6.1 Click on the information you want to view, see the details of the traffic, you can see the card records, ID card information, you need to add click [Add as guest ],[ Add to Employee Library] can, as shown in the following figure:

The screenshot shows the 'Access Record' section in the 'Workflow Center'. A table displays access logs with columns: device, name, passing, temperature, result, and photo. The first row is highlighted with a red box. Below the table, there are buttons for 'Return', 'Add as guest', and 'Add to Employee Library'.

device	name	passing	temperature	result	photo
1011300000117	Stranger	2020-04-24 23:10:48	0	fail	
1011300000117	Stranger	2020-04-24 23:08:41	0	fail	
1011300000117	Stranger	2020-04-24 22:57:37	0	fail	

Buttons: Return, Add as guest, Add to Employee Library

access record

Save Time	2020-04-24	passing time	2020-04-24 23:10:48
device	1011300000117	name	(stranger)
recognition mode	stranger fail	comparison result	temperature: 0   0
IC card number		msgid	132

6.2 Delete traffic information, tick the information to delete, click [delete] can:

The screenshot shows the 'Access Record' table with the first row selected. The 'Delete' button is highlighted.

checkbox	device	name	passing	temperature	result	photo
<input checked="" type="checkbox"/>	1011300000117	Stranger	2020-04-24 23:10:48	0	fail	

6.3 Export traffic information, click [export] to export employee information to the Excel form:

The screenshot shows the 'Access Record' table with the 'Export' button highlighted.

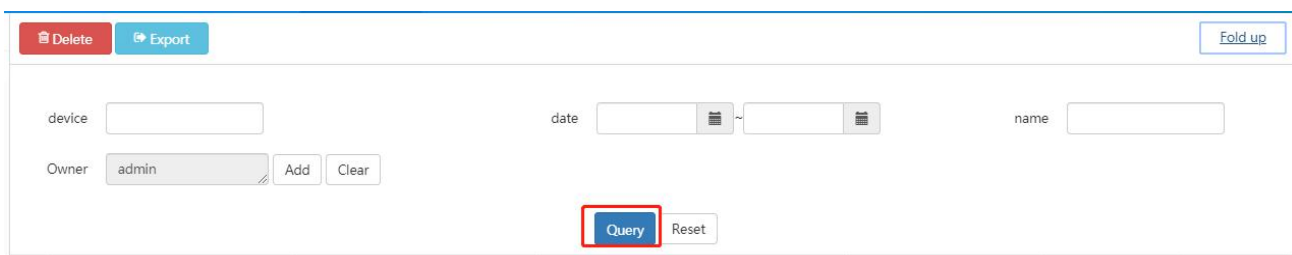
checkbox	device	name	passing	temperature	result	photo
<input checked="" type="checkbox"/>	1011300000117	Stranger	2020-04-24 23:10:48	0	fail	

6.4 Enquire traffic information, enter start to end date, click [query] can:

The screenshot shows the 'Access Record' table with the 'Query' button highlighted.

checkbox	device	name	passing	temperature	result	photo
<input checked="" type="checkbox"/>	1011300000117	Stranger	2020-04-24 23:10:48	0	fail	

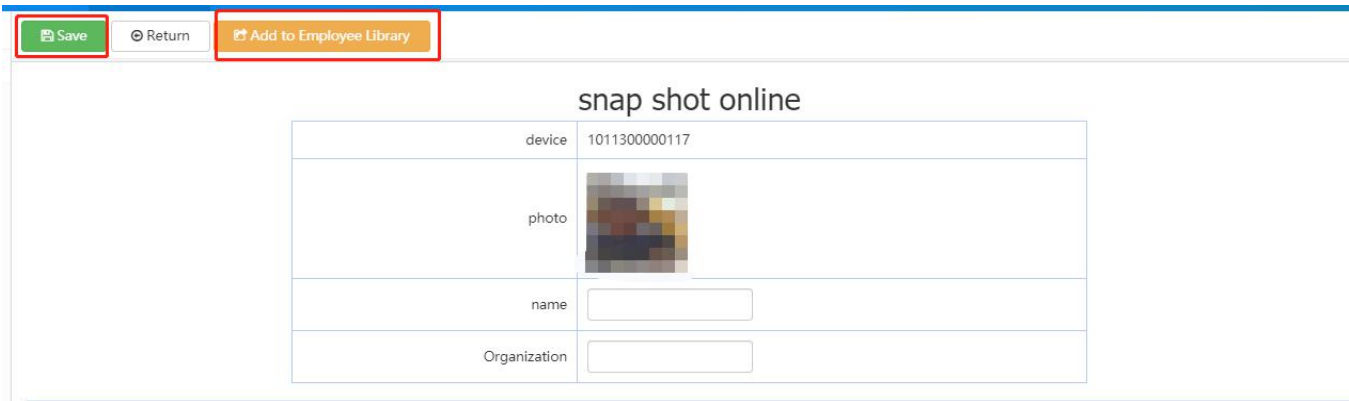
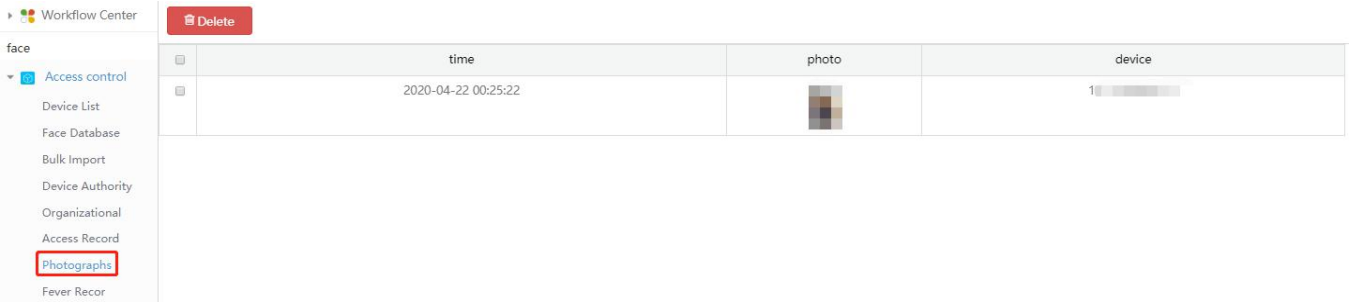
6.5 Advanced query, click [Expand], fill in the equipment, start the deadline, personnel, click [Query] can:



The image shows a web-based advanced query form. At the top, there are two buttons: 'Delete' (red) and 'Export' (blue). On the right side, there is a 'Fold up' button. The form contains several input fields: 'device' (text), 'date' (range with calendar icons), and 'name' (text). Below the 'device' field, there is an 'Owner' dropdown menu currently showing 'admin', with 'Add' and 'Clear' buttons next to it. At the bottom center, there is a blue 'Query' button, which is highlighted with a red rectangle, and a 'Reset' button next to it.

## 7. Photographs

7.1 Click on the selection box to see the details of the device photos (only online photos can have the device photos), need to add to the people bank to fill in the name, where the organization, click [add to the people bank], as shownbelow:



## 8.Fever Recor

8.1 Click on the selection box to view the details of the high temperature personnel information, including punch records, ID card information, need to add to the visitor click [add as a visitor], need to add to the pool of people click [add to the pool], as shown in the following figure:

The interface shows a table with columns: device, personnel, time, temperature, ID card name, identification number, and ID address. A record is shown for a device starting with 'C', personnel 'stranger', time '2020-05-19 14:57:43', and temperature '45.7'. Above the table are buttons for 'delete' and 'Export', and date filters for 'Starting from' and 'Date only' both set to '2020-05-19'. To the right are 'Inquire' and 'advanced' links. Below the table are buttons for 'return', 'Add as guest', and 'Add to people library'.

### Punch record

The form contains the following fields: 'date' (2020-05-19), 'Entry time' (2020-05-19 14:57:43), 'device' (C...), 'personnel' (陌生人), 'the way' (stranger), 'result' (C...), 'temperature' (45.7), and 'IC card number' (771).

8.2 Delete high temperature personnel information, tick to delete registration information name, click [delete] can:

The interface shows a table with columns: device, name, passing time, and temperature. A checkbox is checked in the first row. Above the table are buttons for 'Delete' and 'Export', and date filters for 'From Date' and 'To Date' both set to '2020-05-19'. To the right are 'Query' and 'Expand' links.

8.3 Export high temperature personnel information, click [export] can export registration information to the Excel form:

The interface is identical to the previous one, but the 'Export' button is highlighted with a red box.

8.4 Enquire registration information, enter start and end date, click [query] can:

The interface is identical to the previous ones, but the 'Query' button is highlighted with a red box.

8.5 Advanced query, click [Advanced], fill in temperature, date, click [Query] can:

DeleteExport

Fold up

temperature37.2

date2020-05-192020-05-19

QueryReset

## 9. Synchronization

9.1 Click on the selection box to view the message, as shown below:

		From time: <input type="text" value="From time"/>		To time: <input type="text" value="To time"/>		<input type="button" value="Query"/>	<input type="button" value="Expand"/>
<input type="checkbox"/>	时间	设备	人员	类型	同步	回复时间	提示信息
<input type="checkbox"/>	2020-05-19 06:27:47			ObtainParameters	success	2020-05-19 06:27:48	


### message logging

message ID	<input type="text" value="7"/>
Time	<input type="text" value="2020-05-19 06:27:47"/>
device	<input type="text"/>
name	<input type="text"/> <input type="button" value="DetailedInfo"/>
replay time	<input type="text" value="2020-05-19 06:27:48"/>
operation type	ObtainParameters
synchronous state	success
prompt message	<input type="text"/>

9.2 Delete synchronization information, tick the synchronization information to delete, click [delete] can:

		From time: <input type="text" value="From time"/>		To time: <input type="text" value="To time"/>		<input type="button" value="Query"/>	<input type="button" value="Expand"/>
<input type="checkbox"/>	时间	设备	人员	类型	同步	回复时间	提示信息
<input checked="" type="checkbox"/>	2020-05-19 06:27:47			ObtainParameters	success	2020-05-19 06:27:48	

9.3 Query synchronization information, input start and end time, click [query] can:

		From time: <input type="text" value="From time"/>		To time: <input type="text" value="To time"/>		<input type="button" value="Query"/>	<input type="button" value="Expand"/>
---	--	---	--	---	--	--------------------------------------	---------------------------------------

9.4 Advanced query, click [Advanced], fill in name, select department, start date, deadline, click [Query] can:

Fold up

Time  ~

synchronous state

Owner EBLUE

device

name



## 10. Entered Face

10.1 View the extracted equipment personnel, click on the personnel information, you can see the details of the personnel information, as shown in the following figure:

	device	personnel	User	Effective time	Effective time
<input type="checkbox"/>				2020-04-25	2030-04-23

10.2 Import to Personnel Management, check personnel, click [check Import to Personnel Library], as shown below:

Delete

Check import to personnel Library

name:

Device:

Query

Expand

<input checked="" type="checkbox"/>	number	name	sex	department	telephone	photo	From Date	To Date	device
-------------------------------------	--------	------	-----	------------	-----------	-------	-----------	---------	--------

#### FCC Statement

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

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment, In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, Human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.