

# **Face recognition cloud platform and client**

## **User instructions**

**April 2020**

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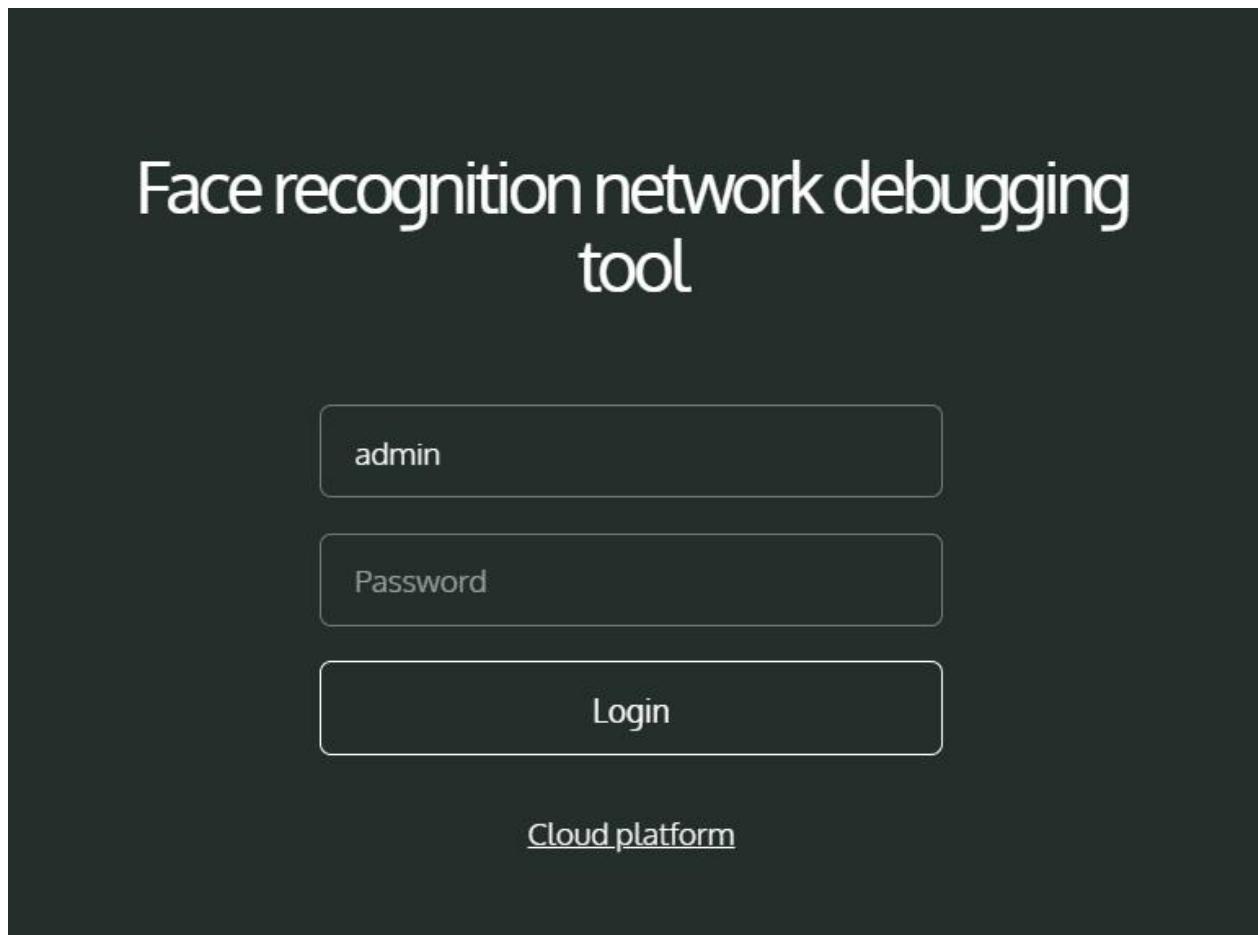
# Login

## 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**



Account: admin password :123456

## (2) Network Parameters - Configuration Equipment Access

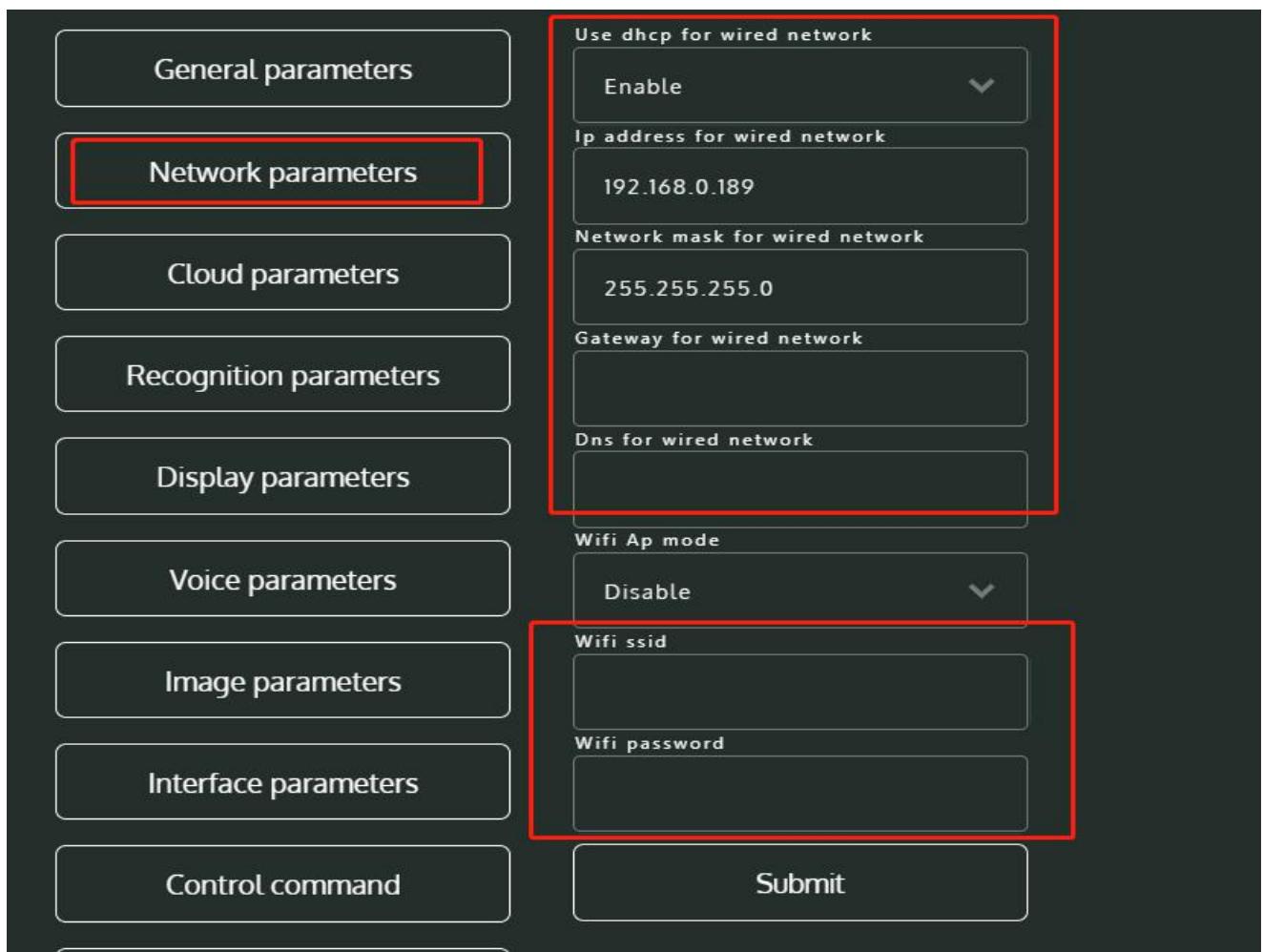
wired network connection

<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**



## (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)

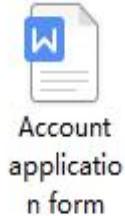
Client:Push mode (WEBSOCKET), push address (ws: //IP:8081/opbm/webfnzn/face/fyface)

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

General parameters	Cloud push mode WEBSOCKET
Network parameters	Device number
Cloud parameters	Object id
Recognition parameters	Http url http://192.168.1.199:8090/api/Face
Display parameters	Tcp url 192.168.1.199:8080
Voice parameters	Mqtt url tcp://192.168.1.199:1883
Image parameters	WebSocket url ws://www.ys2b.com/opbm/webfnzn/face/fyface
Interface parameters	Cloud login name
Control command	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:

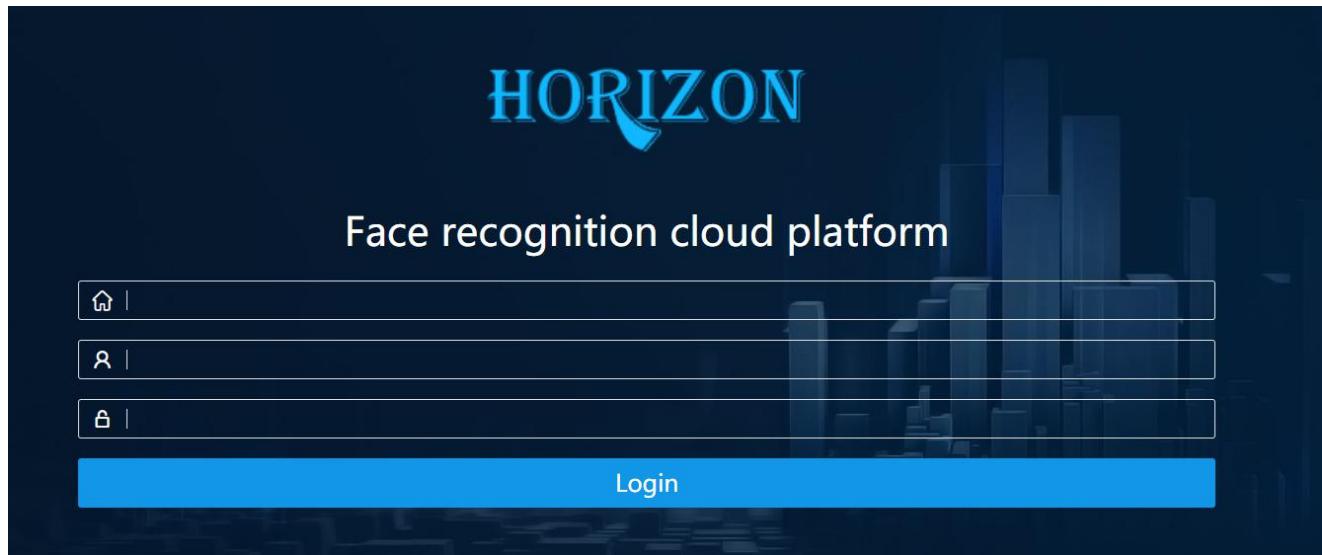
Enterprise domain:fy

Technology User

Name: ceshi

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

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



## 3 .Local client

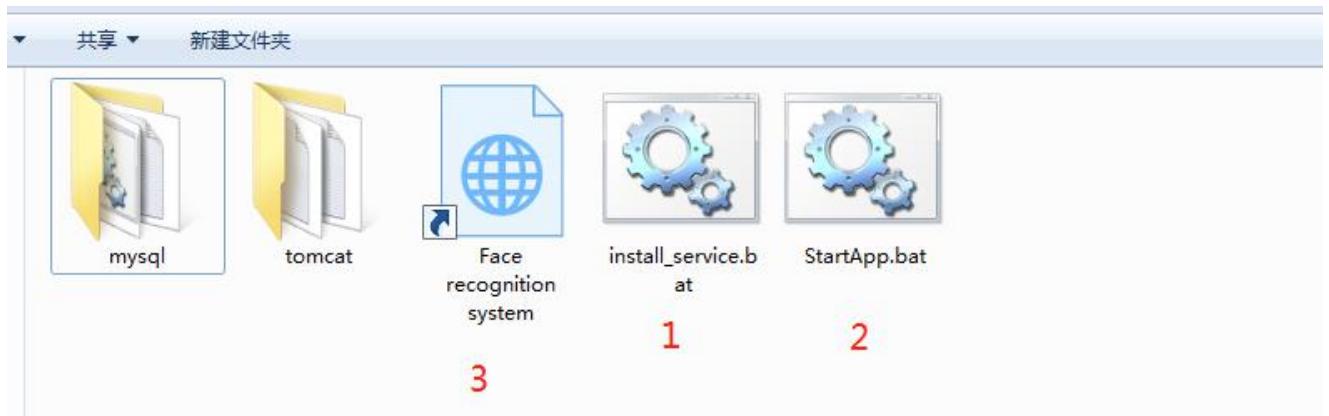
(1) Installation environment

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

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

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

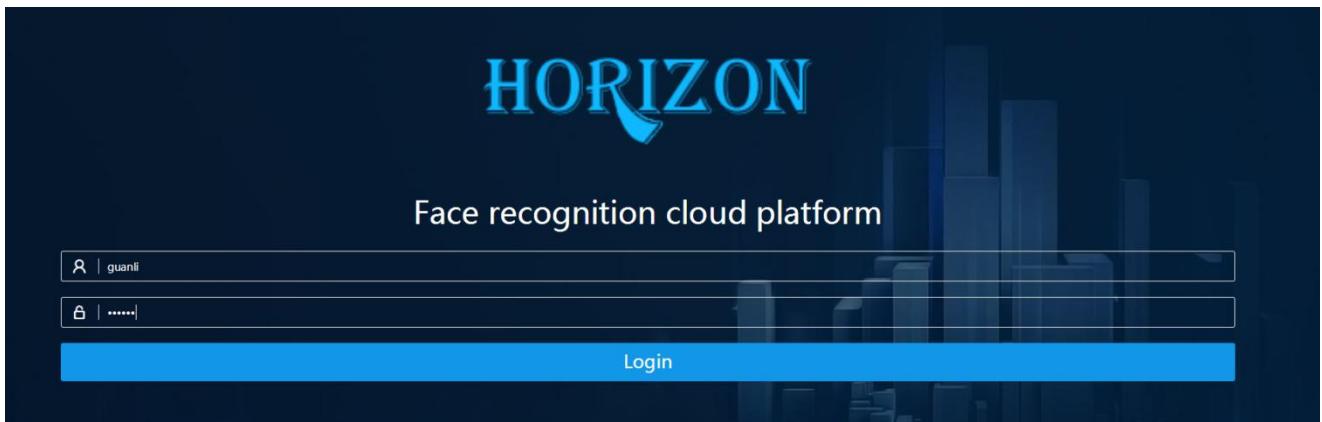
[login] into the face recognition cloud platform.



Run `install_service.bat` as an administrator and wait for the operation to complete

Run `StartApp.bat` as an administrator and wait for about 2 minutes.

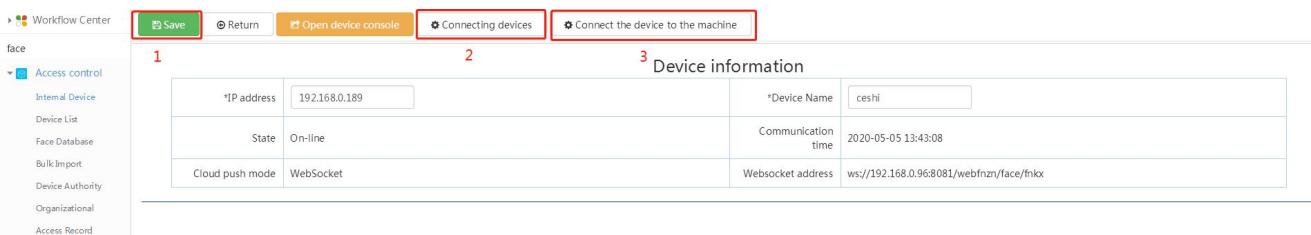
Open the face recognition system, login username: `guanli` password: `123456`



\*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:

Device information			
*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/fnkk

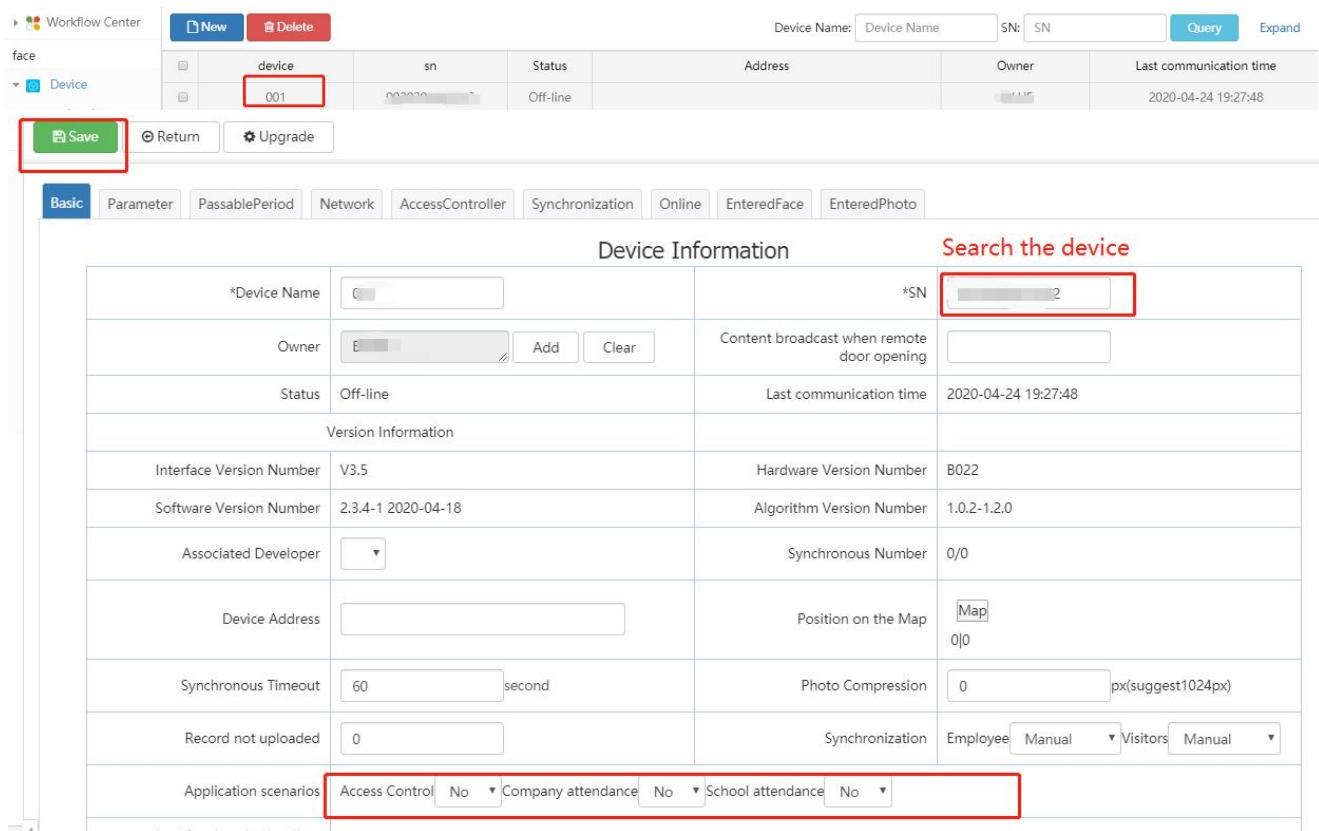
(1) Click "Let the device connect to this machine". Wait for the device to restart (approximately 2 ~ 3 minutes)

(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 shows two pages of a software interface for managing access control equipment.

**Device List Page:**

- Header: Workflow Center, New, Delete, Device Name, SN, Query, Expand.
- Table: Device list with columns: device, sn, Status, Address, Owner, Last communication time. A row for device '001' is shown with status 'Off-line'.
- Buttons: Save (highlighted with a red box), Return, Upgrade.

**Device Information Page:**

- Header: Basic, Parameter, PassablePeriod, Network, AccessController, Synchronization, Online, EnteredFace, EnteredPhoto.
- Section: Device Information (Device Name: 0, SN: 001-2, Owner: E, Status: Off-line, Content broadcast when remote door opening: 2020-04-24 19:27:48).
- Section: Version Information (Interface Version Number: V3.5, Software Version Number: 2.3.4-1 2020-04-18, Hardware Version Number: B022, Algorithm Version Number: 1.0.2-1.2.0).
- Section: Associated Developer (Associated Developer: 0/0).
- Section: Device Address (Device Address: 0, Position on the Map: 0|0, Photo Compression: 0 px(suggest1024px)).
- Section: Record not uploaded (Record not uploaded: 0, Synchronization: Employee: Manual, Visitors: Manual).
- Section: 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
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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:
Monday	All	All	All	All	All
	All	Saturday:	All	Sunday:	All
	Custom period1				
	Custom period2				
	Custom period3				
	Custom period4				
	Custom period5				
	Custom period1				

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

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/fnkk	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

<input type="checkbox"/> DeleteAllFacialInformationOnTheDevice	<input type="checkbox"/> RemoteOpenTheDoor	<input type="checkbox"/> RemoteRestart	<input type="checkbox"/> SnapShotOnlineOfFace	<input type="checkbox"/> SnapShotOnline
<input type="checkbox"/> ObtainParameters	<input type="checkbox"/> <b>SetUpParameters</b>	<input type="checkbox"/> LockTheDevice	<input type="checkbox"/> UnlockTheDevice	<input type="checkbox"/> ExtractFacialInfo
<input type="checkbox"/> StopExtractingFacialInfo	<input type="checkbox"/> 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:

time	name	type	results	Reply	message
2020-05-16 16:06:53		ObtainParameters	Sent	2020-05-16 16:06:53	

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:

status	Interface	Hardware	Software	Algorithm	SN
Off-line	V3.6	B022	3.1.8-2 2020-05-12	2.0.1-1.2.0	00

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:

name	Status	From Date	To Date	Synchronization

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:

Save    Return    Upgrade

Basic    Parameter    PassablePeriod    Network    AccessController    Synchronization    Online    EnteredFace    EnteredPhoto

refresh the device to read the photo information

    photo    <<    <    1Page Total0Page    >    >>    Jump    TotalRows:(0)

	time
<input type="checkbox"/>	photo

		<input style="background-color: #2e7131; color: white; border: 1px solid #2e7131; border-radius: 5px; padding: 5px; margin-right: 10px;" type="button" value="Save"/>		<input style="background-color: #2e7131; color: white; border: 1px solid #2e7131; border-radius: 5px; padding: 5px;" type="button" value="Synchronize"/>	
number	11ea-9745-e8b2a275-960c-a5450944893a 1216	*name	test	male	
identity/department	▼ ▼ ▼ ▼	telephone number			
Birthdate	<input type="text"/> <input type="button" value=""/>	*photo	 <div style="border: 2px dashed #ccc; width: 150px; height: 150px; margin-top: 10px;"></div> <div style="display: flex; justify-content: space-around; width: 150px;"> <span>1</span> <span><input style="background-color: #2e7131; color: white; border: 1px solid #2e7131; border-radius: 5px; padding: 2px 10px;" type="button" value="RotateRight"/></span> <span><input style="background-color: #2e7131; color: white; border: 1px solid #2e7131; border-radius: 5px; padding: 2px 10px;" type="button" value="RotateLeft"/></span> </div>		
photo2		photo3			
effective date	2020-05-16 <input type="button" value=""/>	expiry date	2030-05-14 <input type="button" value=""/>		
owner	<input type="text" value="admin"/> <input type="button" value="Add"/> <input type="button" value="Clear"/>	IC card number			
attendance rules	=select= ▼	access permissions	White list ▼		

display setting				
display mode	<input type="text" value="no personalized content"/> <span>▼</span>	display Salutation	<input type="text" value="no"/> <span>▼</span>	
preattached words	<input type="text"/>		postattached words	<input type="text"/>
device to be synchronized	<div style="display: flex; align-items: center;"> <div style="border: 1px solid #ccc; padding: 10px; margin-right: 20px;"> <span style="border: 1px solid #ccc; padding: 2px;">&gt;</span> <span style="border: 1px solid #ccc; padding: 2px;">&gt;&gt;</span> <span style="border: 1px solid #ccc; padding: 2px;">&lt;</span> <span style="border: 1px solid #ccc; padding: 2px;">&lt;&lt;</span> </div> <div style="flex-grow: 1; border: 1px solid #ccc; padding: 10px; display: flex; align-items: center; justify-content: space-between;"> <span style="border: 1px solid #ccc; padding: 2px;">1</span> <span>▲</span> <span>▼</span> </div> </div>			
device synchronized				

## 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

number	name	photo	department	department1	department2	owner
001	Winson					

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

number	name	photo	department	department1	department2	owner
001	Winson					admin

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

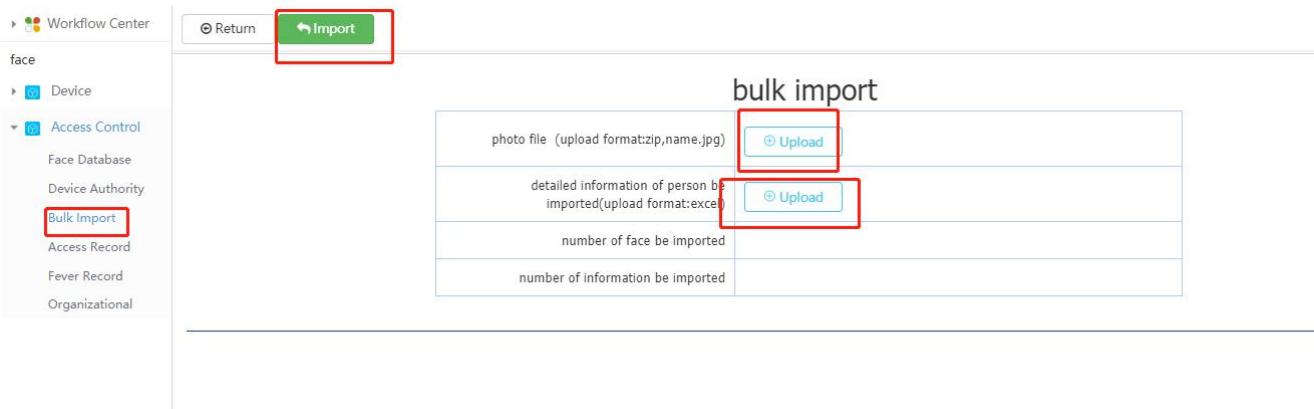
number	name	photo	department	department1	department2	owner
001	Winson					admin

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:

Face Recognition System

Workflow Center

face

Access control

Device List

Face Database

Bulk Import

Device Authority

Organizational

Synchronization

Device Name: Device Name SN: SN Query Expand

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

Synchronize    return    Remote door opening    Take pictures online

Access control information(Off-line)

name	0020200505008	Synchronization	Employee	Manual	Visitors	Manual
Total number	0	Number of synchronized	0			
member	SelectPeople					

Delete    Query    Reset    << < 1Page Total 0 Page > >> Jump TotalRows: (0)

ViewDialog

TotalRows: (1)

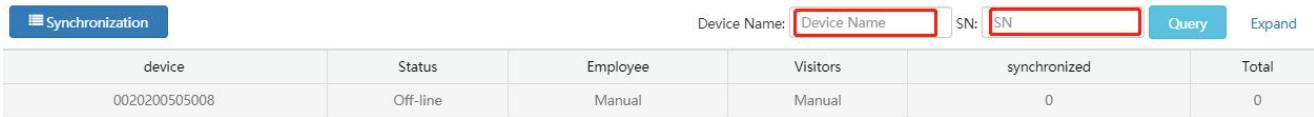
number    name    department

Query    Reset

Numbering	Name	department	Department 1	Department 2
<input checked="" type="checkbox"/>	test			

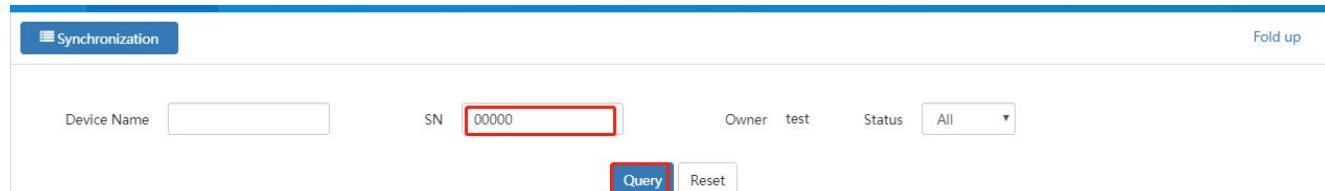
OK    Clear

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



Synchronization		Device Name: <input type="text" value="Device Name"/> SN: <input type="text" value="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:



Device Name  SN  Owner test Status All ▾

Query Reset

## 5.Organizational

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

level	one-level
name	1111
owner	test
member	

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

name	level	one-level	two-level
422033	one-level		

## 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 a list of access records with columns: device, name, passing, temperature, result, and photo. The first record is highlighted with a red box. Below the table are two buttons: 'Add as guest' and 'Add to Employee Library', both of which are also highlighted with red boxes.

	device	name	passing	temperature	result	photo
<input type="checkbox"/>	10 [REDACTED]	Stranger	2020-04-24 23:10:48	0	fail	
<input type="checkbox"/>	10 [REDACTED]	Stranger	2020-04-24 23:08:41	0	fail	
<input type="checkbox"/>	10 [REDACTED]	Stranger	2020-04-24 22:57:37	0	fail	

**access record**

Save Time	2020-04-24 <input type="button" value=""/>	passing time	2020-04-24 23:10:48 <input type="button" value=""/>
device	1011300000117	name	<input type="text"/> (stranger)
recognition mode	stranger <input type="button" value=""/> comparison result fail <input type="button" value=""/>	temperature	0 <input type="text"/> 0 0
IC card number	<input type="text"/>	msgid	132

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

The screenshot shows a list of access records with a checkbox column. The first record has a checked checkbox. The 'Delete' button is highlighted with a red box.

	device	name	passing	temperature	result	photo
<input checked="" type="checkbox"/>	10 [REDACTED]	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 a list of access records with the 'Export' button highlighted with a red box.

	device	name	passing	temperature	result	photo
--	--------	------	---------	-------------	--------	-------

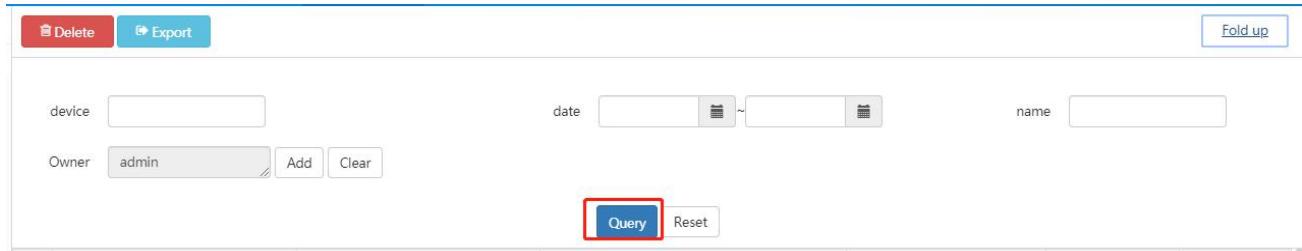
6.4 Enquire traffic information, enter start to end date, click [query] can:

The screenshot shows a list of access records with the 'From Date' and 'To Date' input fields highlighted with red boxes. The 'Query' button is also highlighted with a red box.

	device	name	passing	temperature	result	photo
--	--------	------	---------	-------------	--------	-------

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

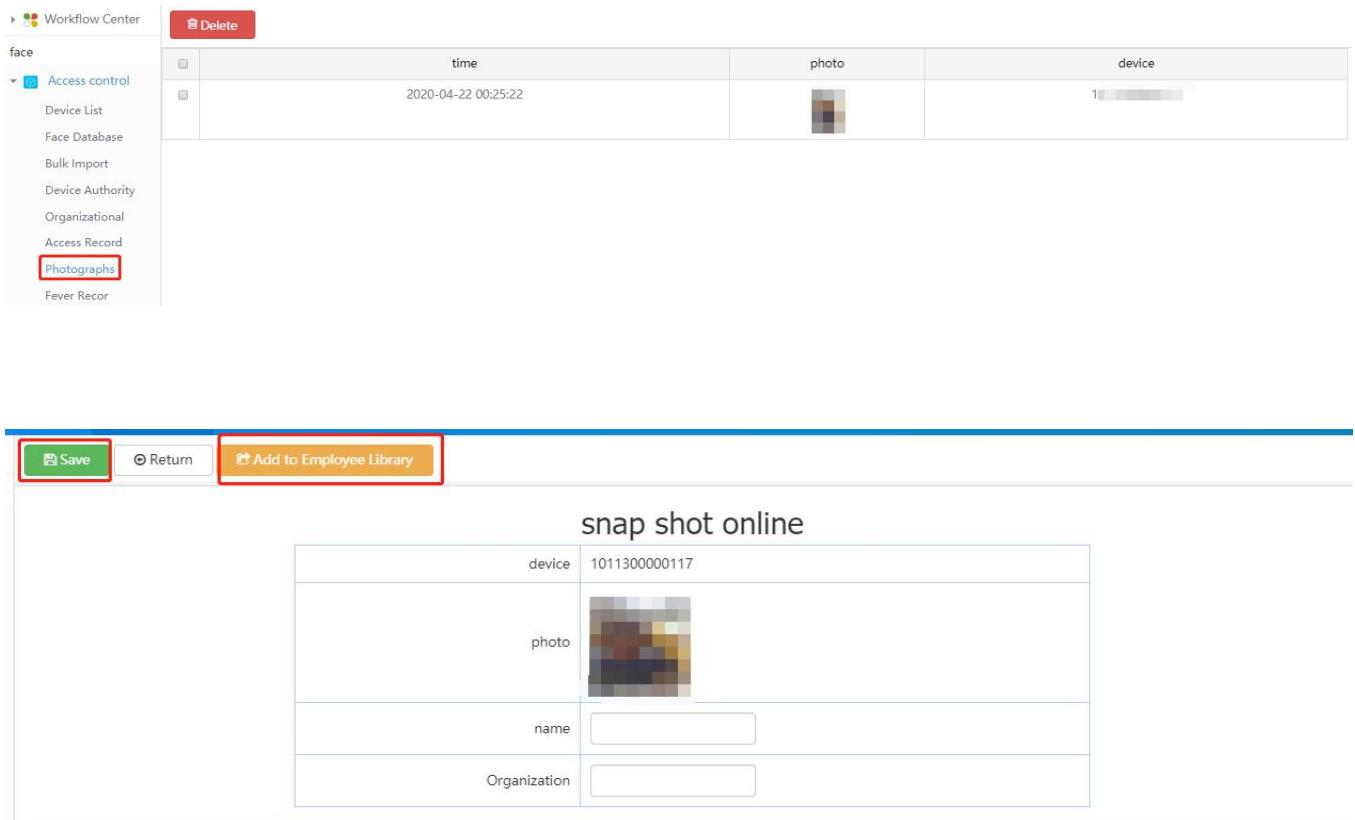
[Query] can:



The screenshot shows a user interface for an advanced query. At the top, there are buttons for 'Delete' (red) and 'Export' (blue). On the right, there is a 'Fold up' button. Below these are search fields: 'device' (input field), 'date' (input field with calendar icons), 'name' (input field), and 'Owner' (input field with dropdown 'admin', 'Add', and 'Clear' buttons). At the bottom, there are 'Query' and 'Reset' buttons, with 'Query' being highlighted with a red box.

## 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 shown below:

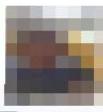


The screenshot shows the 'Workflow Center' interface with the 'face' module selected. Under 'Access control', the 'Photographs' option is highlighted with a red box. The main area displays a table with a single row of data. The table has columns for 'time' (2020-04-22 00:25:22), 'photo' (a small thumbnail image), and 'device' (1). At the top right of the table is a red 'Delete' button. Below the table are three buttons: 'Save' (green), 'Return' (grey), and 'Add to Employee Library' (orange, highlighted with a red box). The 'Add to Employee Library' button has a camera icon and the text 'Add to Employee Library'.

	time	photo	device
<input type="checkbox"/>	2020-04-22 00:25:22		1

**Save** **Return** **Add to Employee Library**

**snap shot online**

device	1011300000117
photo	
name	<input type="text"/>
Organization	<input type="text"/>

## 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:

	device	personnel	time▼	temperature	ID card name	identification number	ID address
1	C	stranger	2020-05-19 14:57:43	45.7			

**Punch record**

date	2020-05-19	Entry time	2020-05-19 14:57:43
device	C	personnel	陌生人
the way	stranger	temperature	45.7
IC card number		Device msgid	771

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

	device	name	passing time▼	temperature
<input checked="" type="checkbox"/>				

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

	device	name	passing time▼	temperature
<input checked="" type="checkbox"/>				

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

	device	name	passing time▼	temperature
<input checked="" type="checkbox"/>				

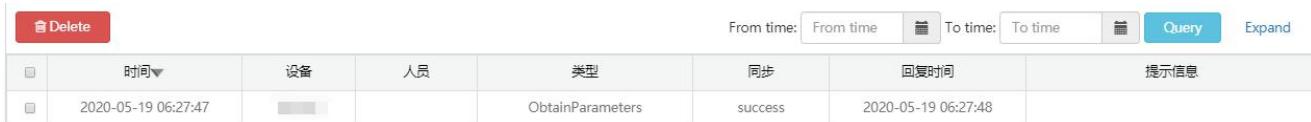
8.5 Advanced query, click [Advanced], fill in temperature, date, click [Query] can:

The screenshot shows a search interface with the following elements:

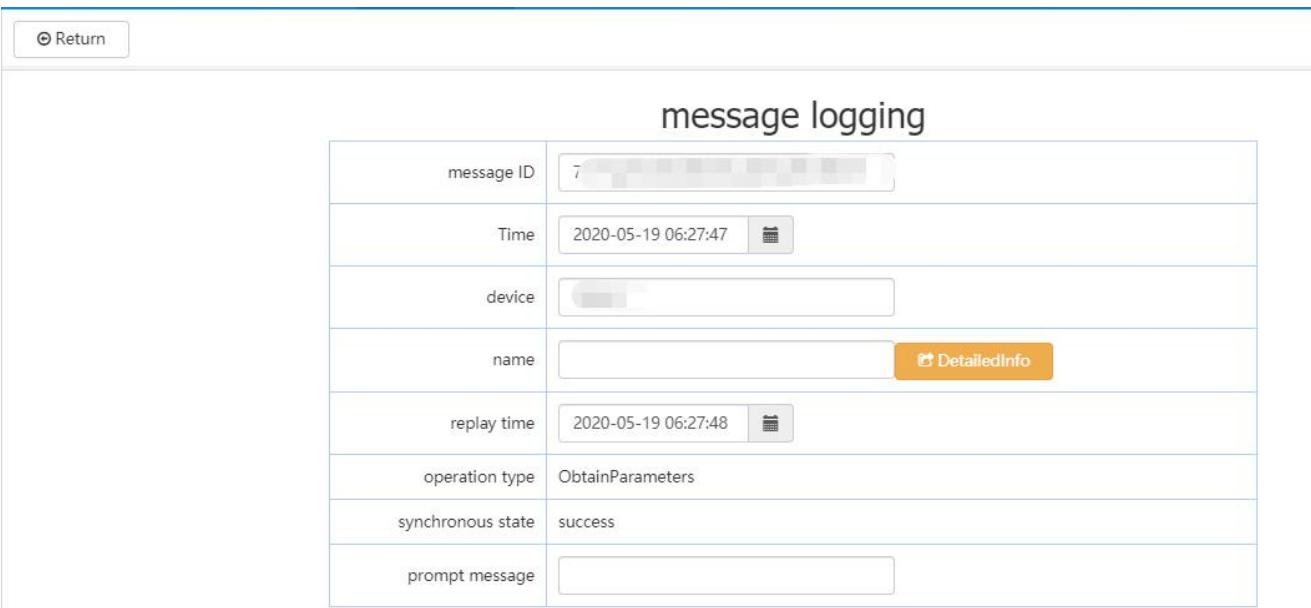
- Buttons:** Delete (red), Export (blue), Fold up (top right).
- Text Input:** temperature 37.2.
- Date Range:** date 2020-05-19 ~ 2020-05-19.
- Buttons:** Query (blue), Reset (white).

## 9. Synchronization

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



A screenshot of a table with the following columns: 1. A red 'Delete' button. 2. A checkbox. 3. Time (2020-05-19 06:27:47). 4. Device (grey box). 5. Personnel (empty box). 6. Type (ObtainParameters). 7. Status (success). 8. Reply Time (2020-05-19 06:27:48). 9. Message (empty box). At the top, there are 'From time' and 'To time' filters and a 'Query' button.



A screenshot of a 'message logging' form with the following fields: 1. message ID (7, with a red box around it). 2. Time (2020-05-19 06:27:47). 3. device (grey box). 4. name (empty box) with a 'DetailedInfo' button. 5. replay time (2020-05-19 06:27:48). 6. operation type (ObtainParameters). 7. synchronous state (success). 8. prompt message (empty box).

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



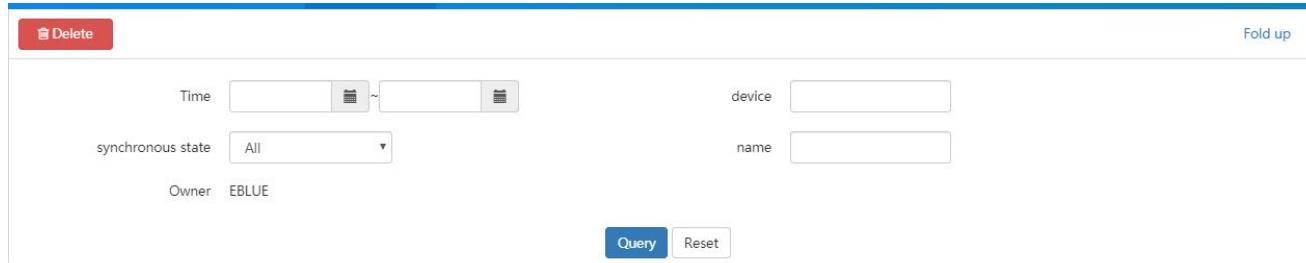
A screenshot of a table with the same structure as the first one, but with a checked checkbox in the second column. The rest of the data is identical to the first screenshot.

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



A screenshot of a search interface with 'From time' and 'To time' fields highlighted with a red box. Other fields include a red 'Delete' button, a 'Query' button, and an 'Expand' button.

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



A screenshot of an advanced search form with the following fields: 1. A red 'Delete' button. 2. Time range (two date pickers). 3. device (empty box). 4. synchronous state (dropdown menu with 'All'). 5. name (empty box). 6. Owner (dropdown menu with 'EBLUE'). 7. A 'Query' button and a 'Reset' button. 8. A 'Fold up' link at the top right.

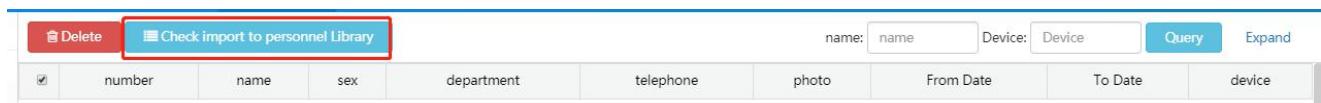
## 10. Entered Face

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:



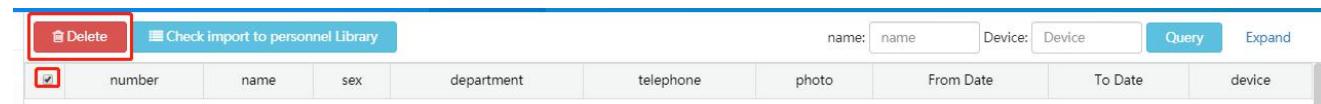
	device	personnel	User	Effective time	Effective time
<input type="checkbox"/>				2020-04-25	2030-04-23

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



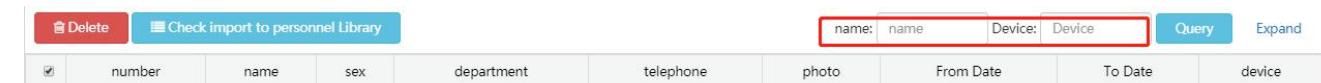
	number	name	sex	department	telephone	photo	From Date	To Date	device
<input type="checkbox"/>									

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



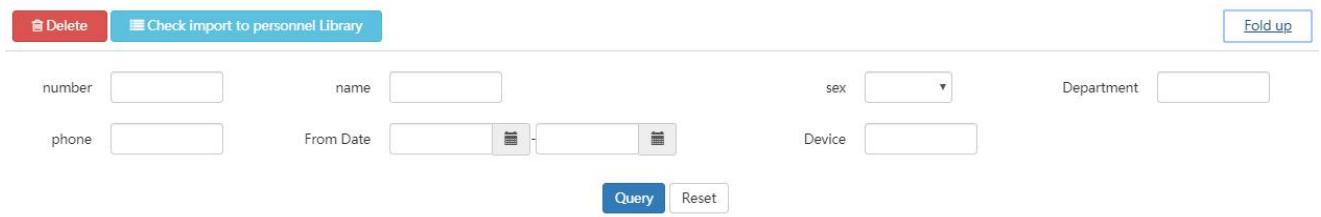
	number	name	sex	department	telephone	photo	From Date	To Date	device
<input checked="" type="checkbox"/>									

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



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

10.5 For advanced query, please click [Advanced], fill in the number, name, department, mobile phone, device name, select gender, valid time, and then click [Query]



number	<input type="text"/>	name	<input type="text"/>	sex	<input type="text"/>	Department	<input type="text"/>
phone	<input type="text"/>	From Date	<input type="text"/>	Device	<input type="text"/>		
<input type="button" value="Query"/> <input type="button" value="Reset"/>							

### 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.