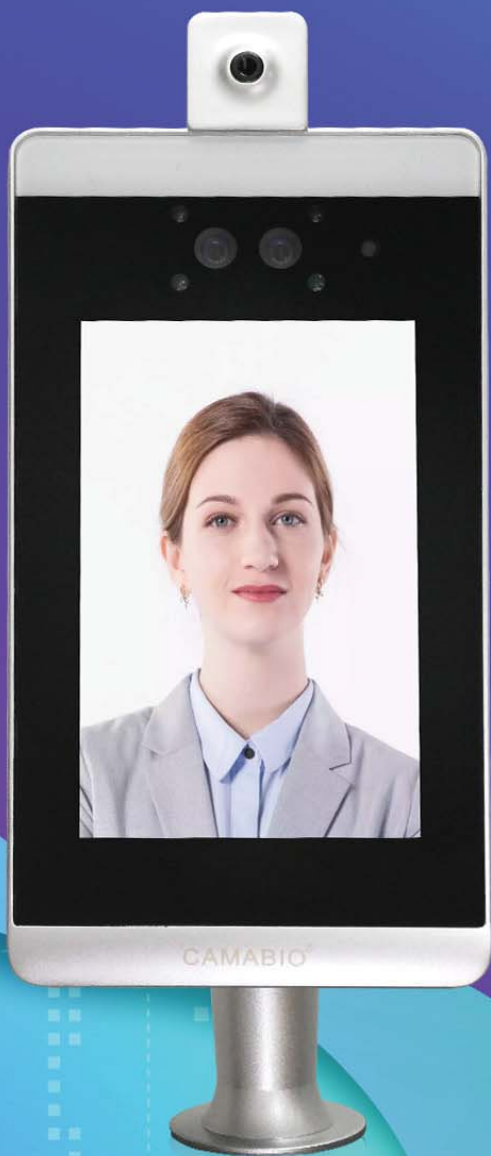


CAMABIO[®]

Face Recognition Access Control Terminal

Touchless Pass Through Makes Access More Convenience and Hygiene



CAMA Biometrics

CAMA-GA200T Product Brochure

Content

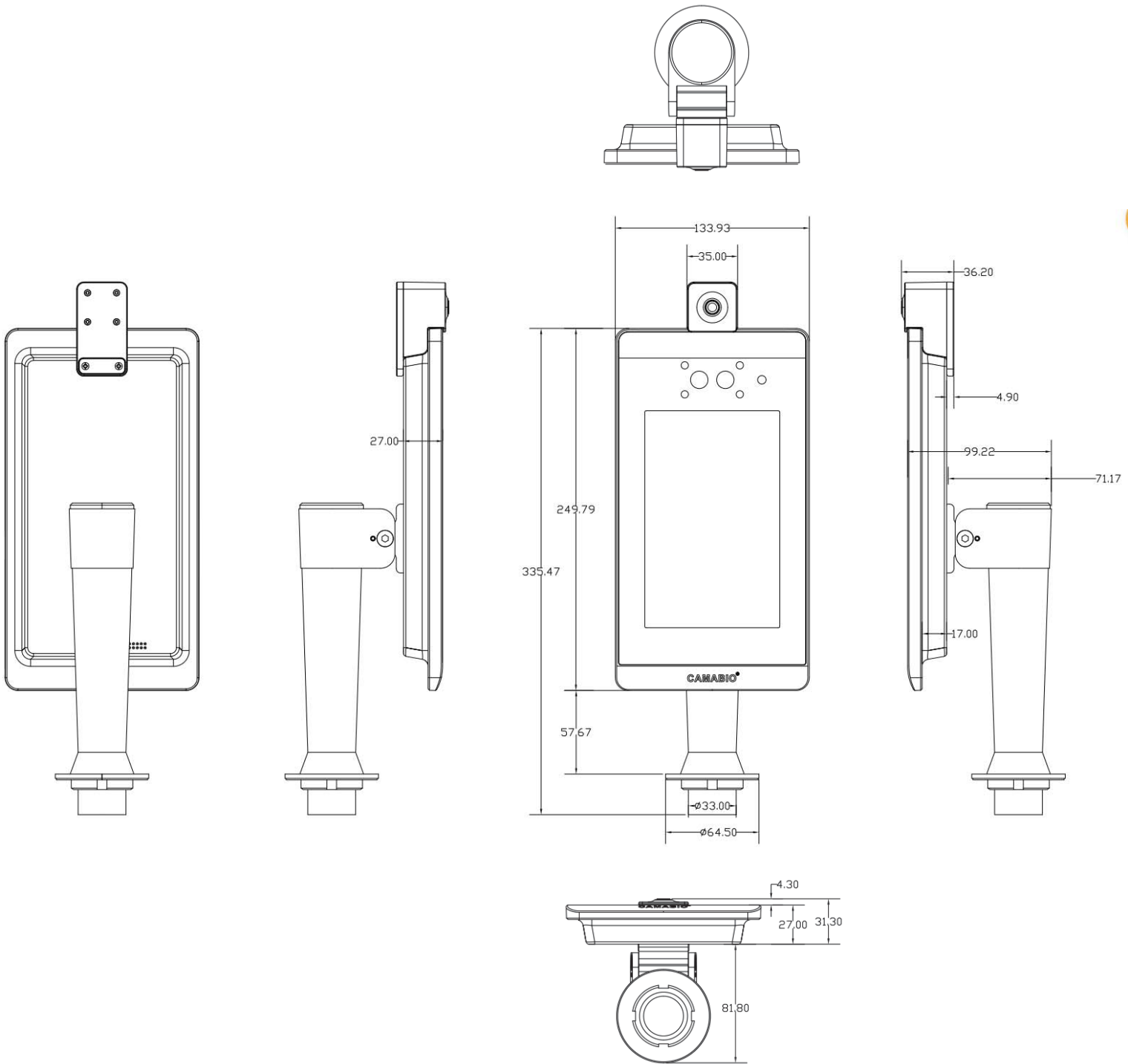
1. Description.....	1
2. Hardware Structure.....	2
3. Serial Port Details.....	3
4. Function.....	4
4.1 Device Startup.....	4
4.2 Menu.....	7
4.2.1 Device password.....	7
4.2.2 Users Management.....	9
4.2.2.1 Add Users.....	10
4.2.2.2 Modify Users.....	15
4.2.2.3 Delete Users.....	18
4.2.2.4 Search Users.....	22
4.2.3 Record Management.....	23
4.2.3.1 Records Query.....	23
4.2.3.2 Search Records.....	25
4.2.3.3 Export Records.....	26
4.2.4 System Settings.....	29
4.2.4.1 Time.....	30
4.2.4.2 Wireless Network.....	32
4.2.4.3 Ethernet.....	34
4.2.4.4 Language.....	37
4.2.4.5 Turnstile.....	39
4.2.4.6 Temperature Detection.....	41
4.2.4.7 Server.....	42
4.2.4.8 Change Password.....	45
4.2.4.9 Engineering mode of System.....	48
4.2.4.10 System Upgrade.....	49
4.2.4.11 Restore Factory Setting.....	52
4.3 Face Recognition.....	54

1. Description

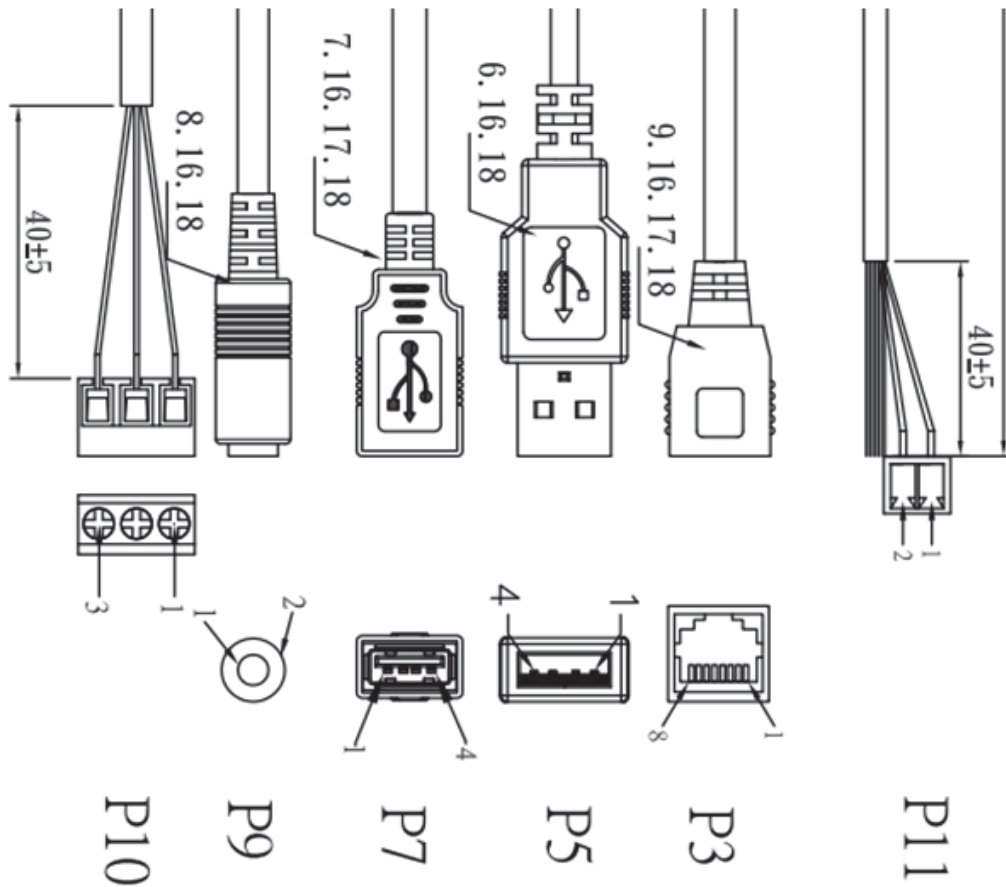
1.1 Description

CAMA-GA200 is a safe and convenient visible face recognition access control device. Based on newest CAMABIO face recognition algorithm, it will be easy for customers to manage building or office's access and attendance. It can be widely used for school, industrial park, government, company office, exhibition center, train station, airport, etc.

2. Hardware Structure



3. Serial Port Details



P11:RS485 Serial port line

White:485B

Yellow:485A

Brown:+5V

Black:GND

Red:Serial port 1TX

Green:Serial port 1RX

Blue:+3.3V

P3:Ethernet port

P5:USB 2.0 male

P7:USB 2.0 female

P9:Power supply DC 5.5*2.0mm female,Connect to 9V/2A adaptive power supply

P10:Relay connector base

Red:Always off

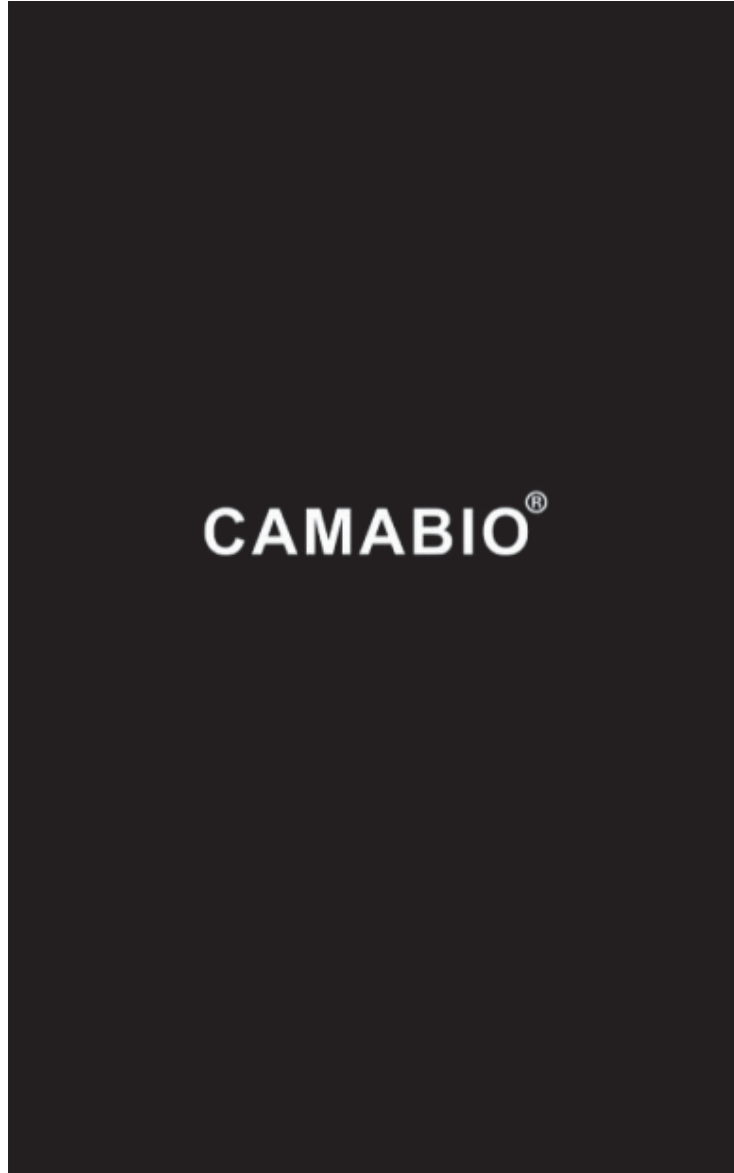
White:COM

Green:Always on

4. Function

4.1 Device Startup

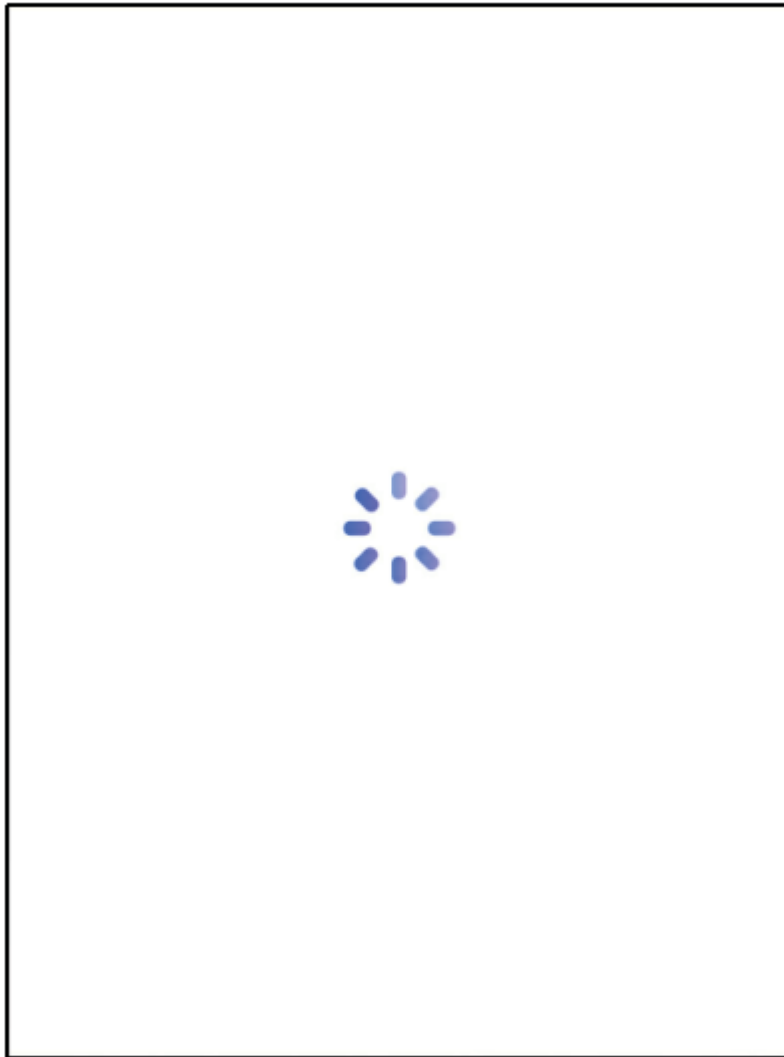
a) Plug in and switch on (Pic. 1)



(Pic. 1)

4. Function

b) Device enters Loading interface. (Pic. 2)



(Pic. 2)

4. Function

c) Device enters Standby interface. (Pic. 3)



(Pic. 3)

Notice:

Location display: Show the binding location information of device.

Device status: Real time display of current running status of device.

4. Function

4.2 Menu

4.2.1 Device Password

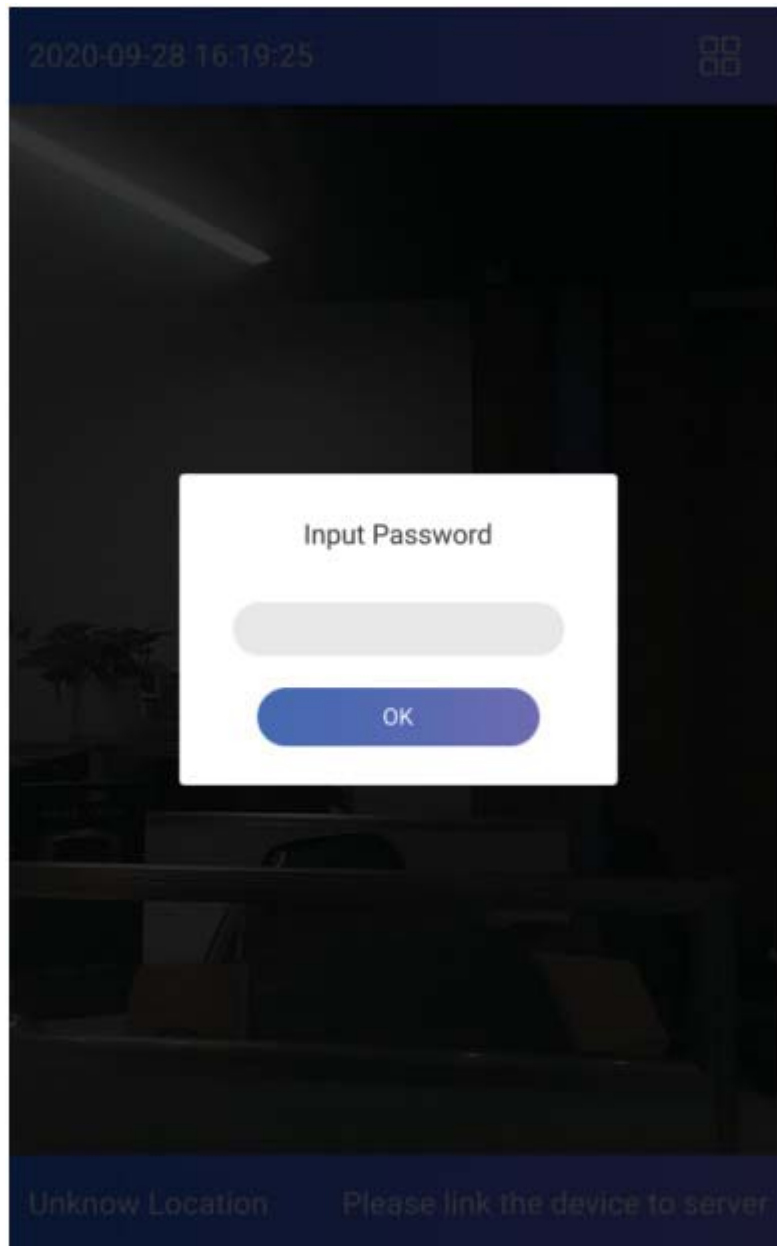
a) Touch “Menu” button. (Pic. 4)



(Pic. 4)

4. Function

b) Please input “cama123456” and enter Menu interface. (Pic. 5)

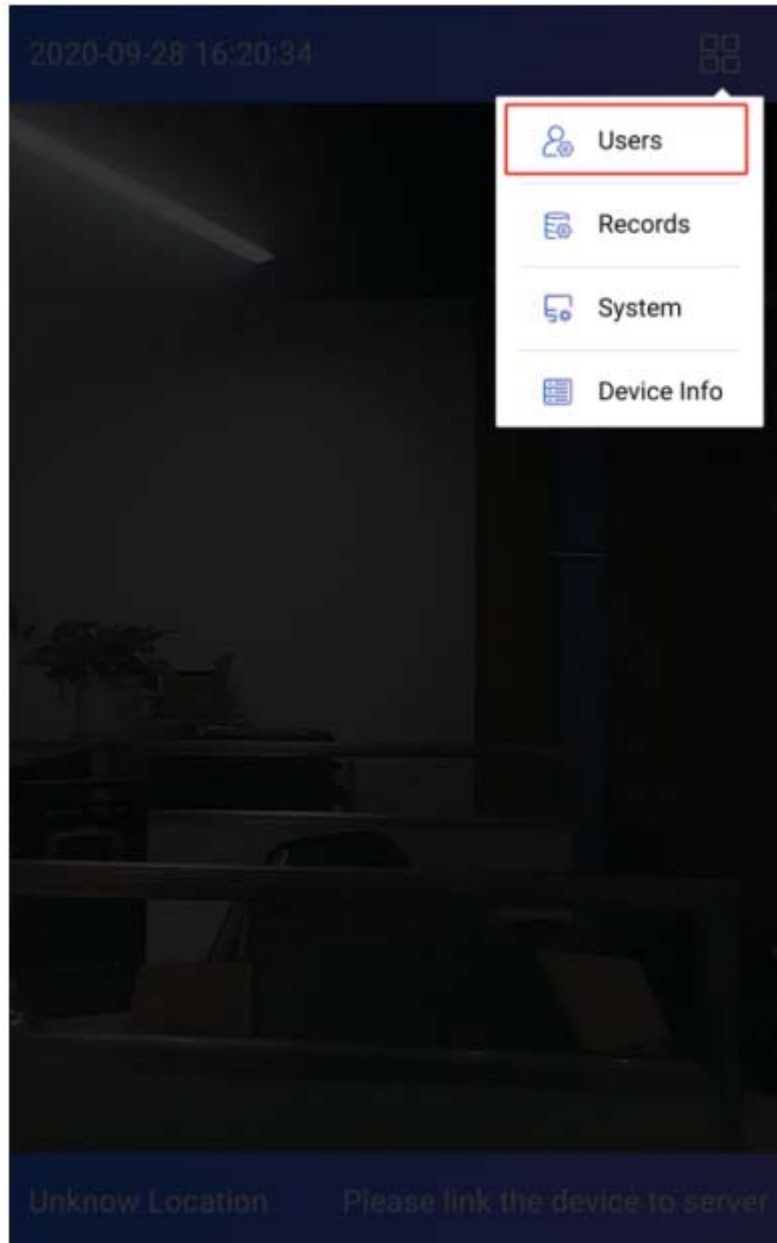


(Pic. 5)

4. Function

4.2.2 Users Management

a) Please touch “Users” button and enter Users Management interface. (Pic. 6)

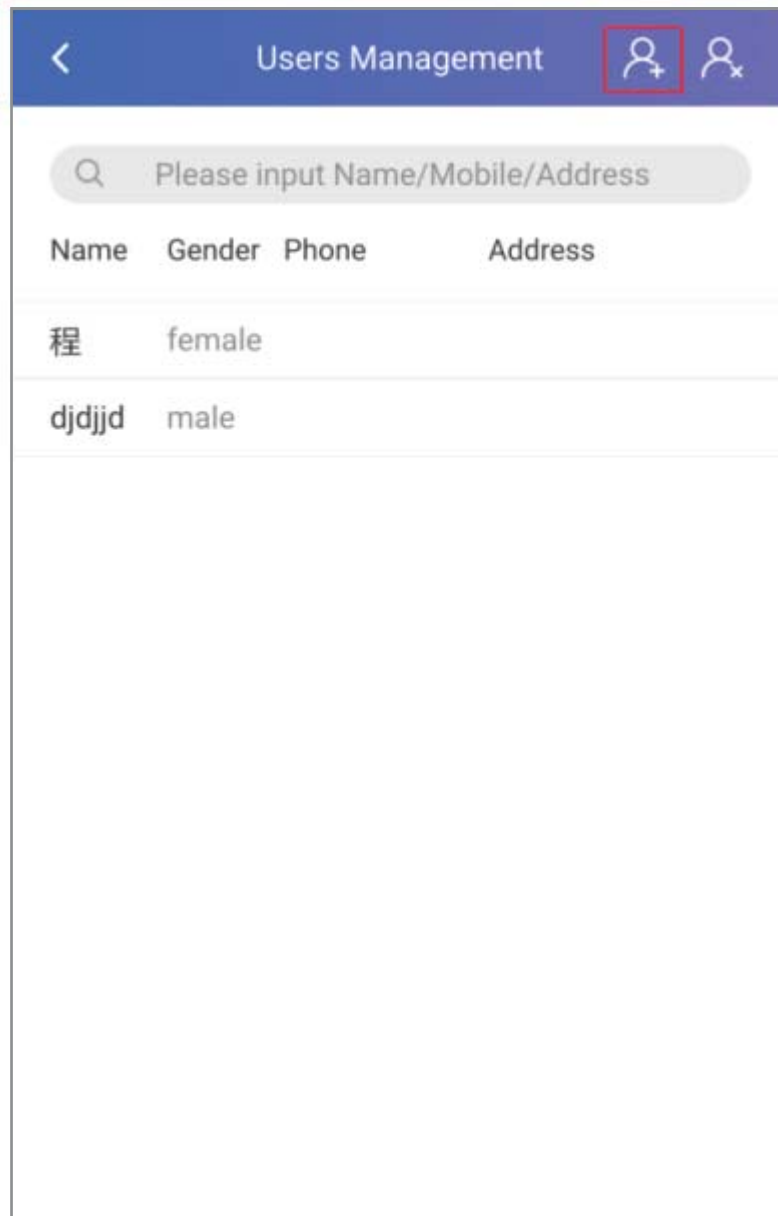


(Pic. 6)

4. Function

4.2.2.1 Add Users

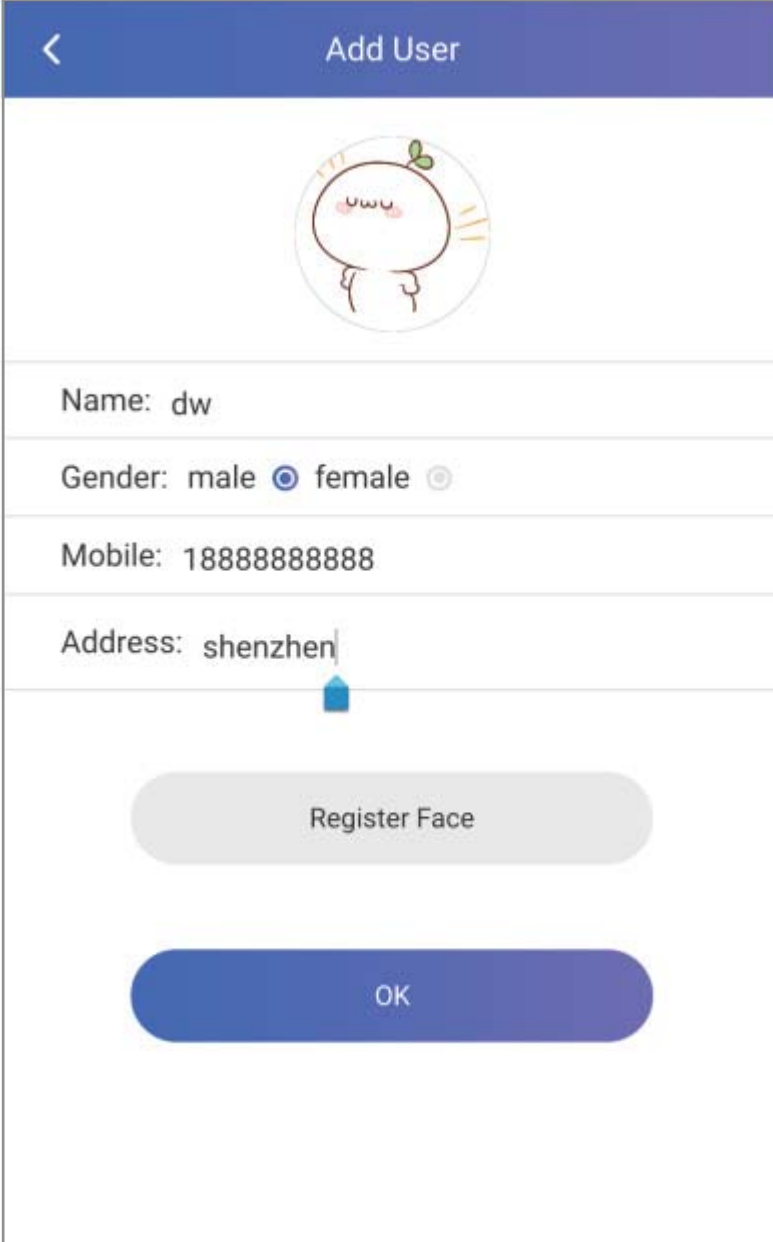
a) Please touch “Add” button and enter Add Users interface. (Pic. 7)



(Pic. 7)

4. Function

b) Please fill in Name、Gender、Phone no. 、Address information, etc.. (Pic. 8)

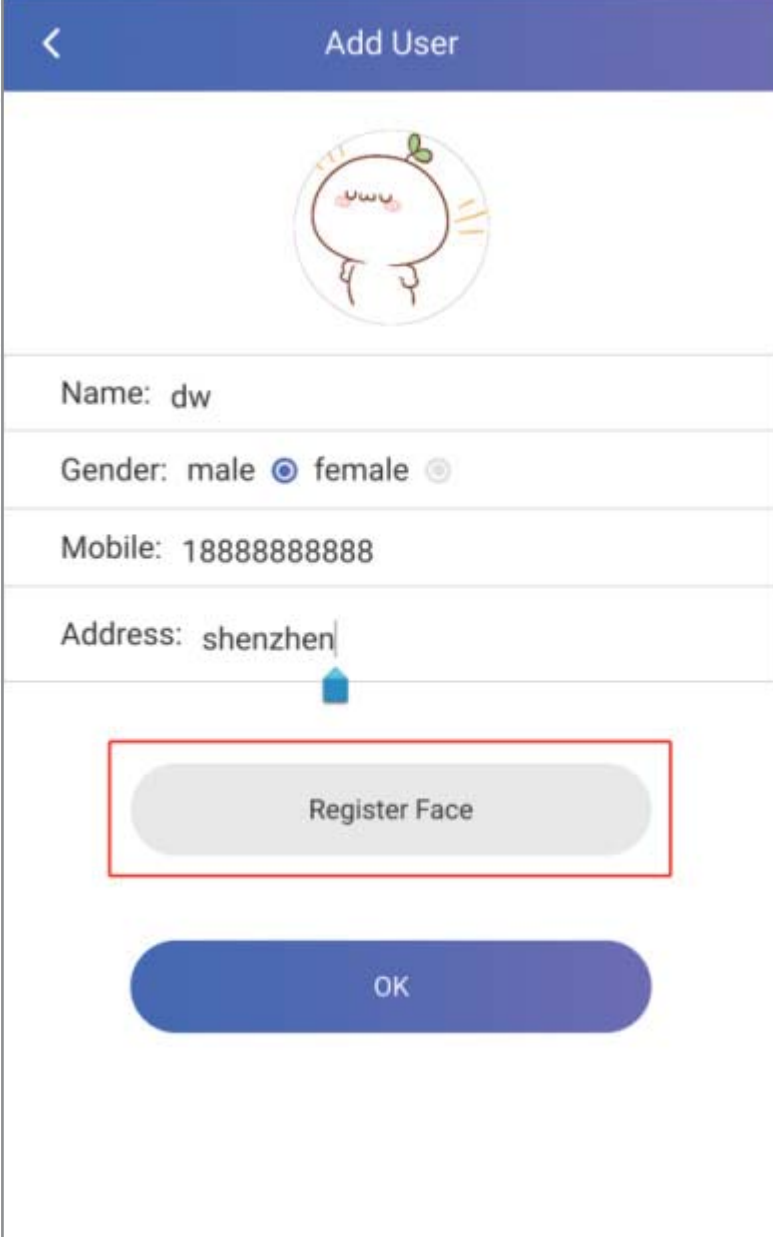


The screenshot shows a mobile application interface for adding a user. At the top, there is a blue header with a back arrow and the text "Add User". Below the header is a circular profile picture of a cartoon character. The form consists of several input fields: "Name: dw", "Gender: male female ", "Mobile: 18888888888", and "Address: shenzhen". Below the address field is a blue house icon. At the bottom of the form, there are two buttons: a grey "Register Face" button and a blue "OK" button.

(Pic. 8)

4. Function

c) Touch “Register Face” button and enters face register interface.
(Pic. 9)

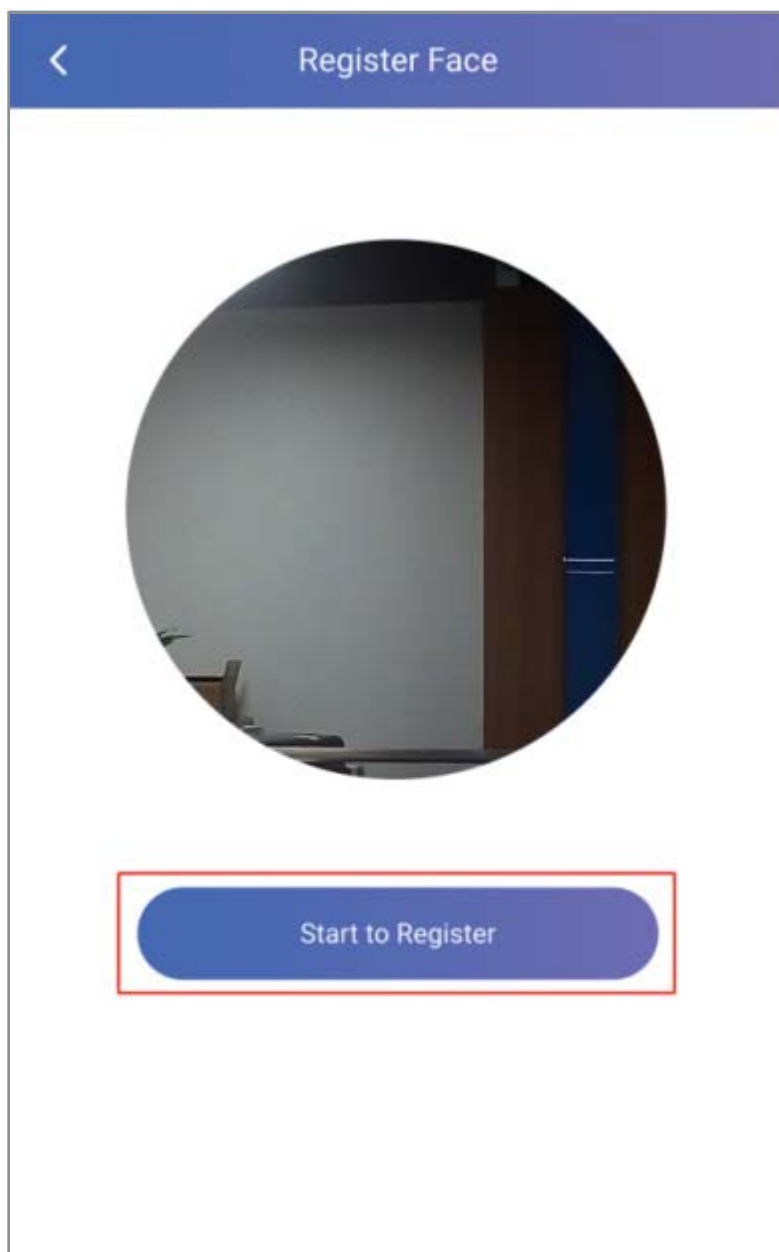


The screenshot displays a mobile application interface titled "Add User". At the top, there is a blue header bar with a back arrow on the left and the text "Add User" in the center. Below the header is a circular profile picture of a cartoon character with a white face, pink cheeks, and a green bow. The form consists of several rows: "Name: dw", "Gender: male female ", "Mobile: 18888888888", and "Address: shenzhen". A blue cursor is positioned at the end of the address field. Below the form, there are two buttons: a grey button labeled "Register Face" which is highlighted with a red rectangular border, and a blue button labeled "OK".

(Pic. 9)

4. Function

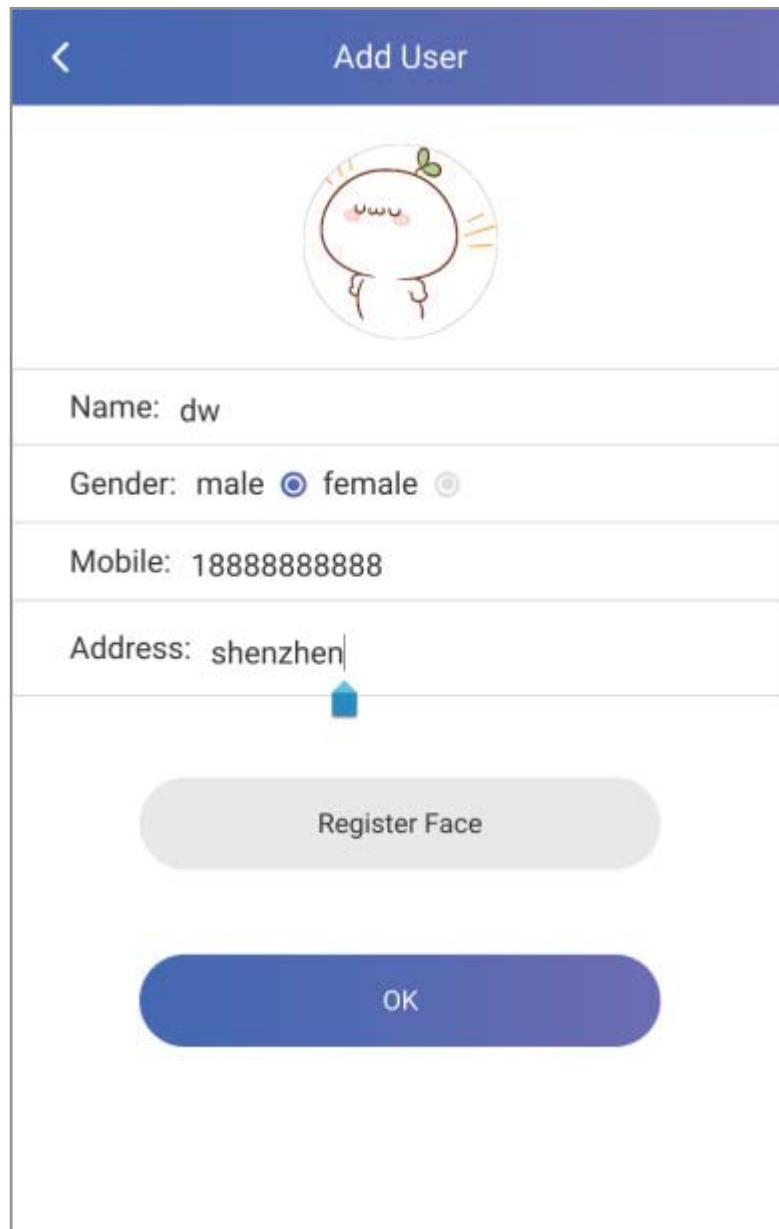
d) Please touch “Start to Register” button and place the face inside of circle, device will capture face automatically. (Pic. 10)



(Pic. 10)

4. Function

e) Please touch “OK” button, device will save this user information and return to Users Management interface. (Pic.11)



The screenshot shows a mobile application interface for adding a user. The title bar is blue with a back arrow and the text "Add User". Below the title bar is a circular profile picture of a cartoon character. The form consists of four rows of input fields:

- Name: dw
- Gender: male female
- Mobile: 18888888888
- Address: shenzhen

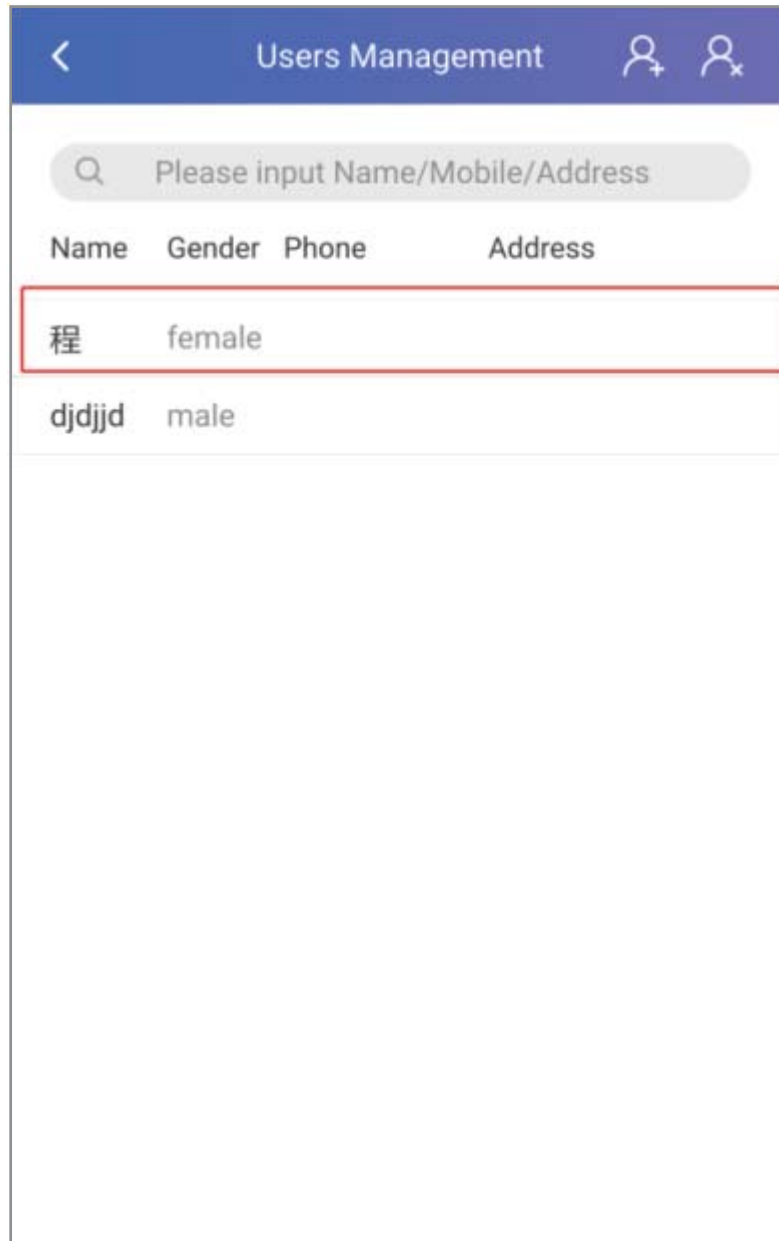
Below the form are two buttons: a grey "Register Face" button and a blue "OK" button.

(Pic. 11)

4. Function

4.2.2.2 Modify Users

a) Choose the user which need to be modified and enter Users Details interface.(Pic.12)

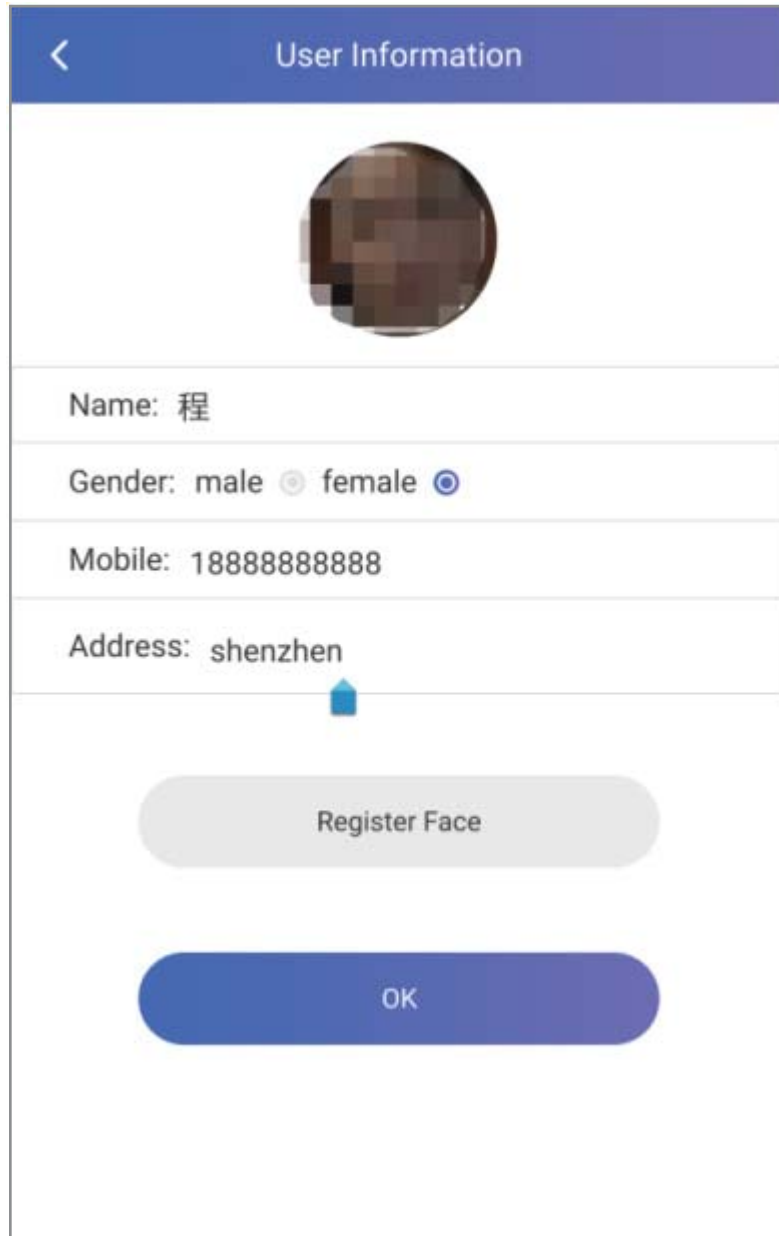


(Pic. 12)

4. Function

b) Modify users information also could support face re-registration.

(Pic. 13)

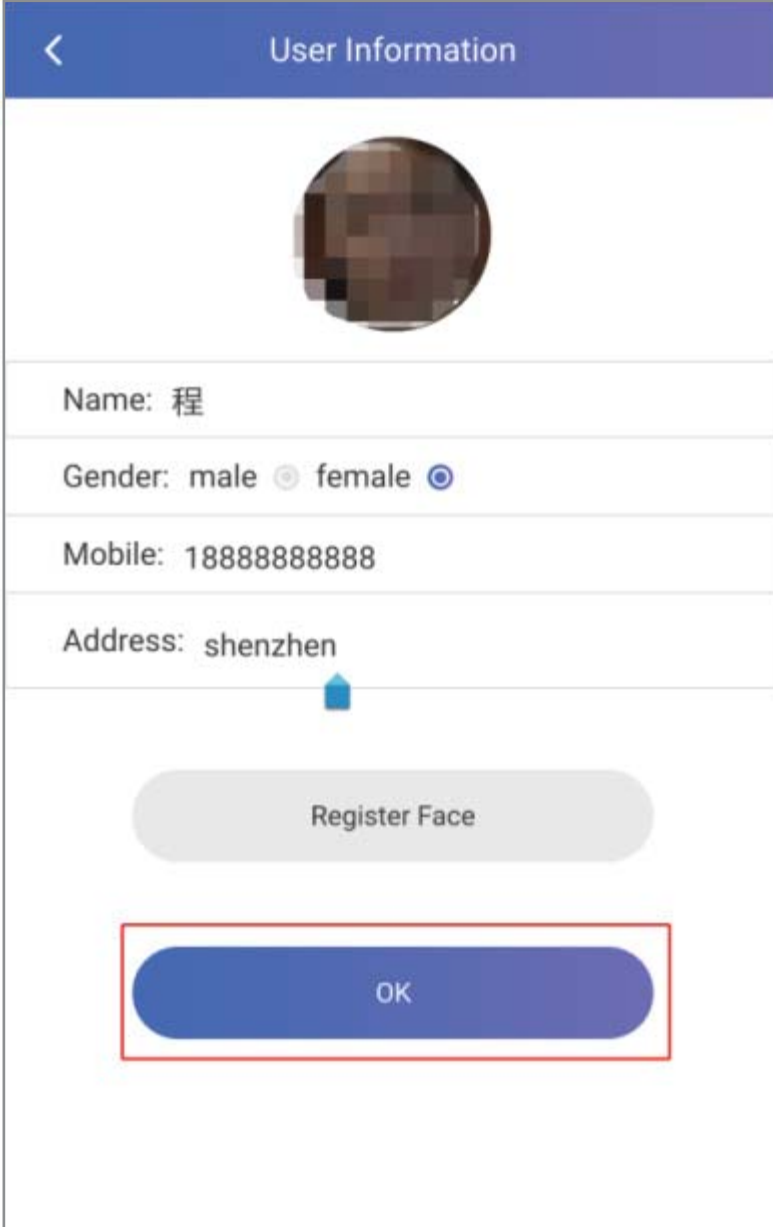


The screenshot displays a mobile application interface titled "User Information". At the top, there is a blue header with a back arrow and the title. Below the header is a circular profile picture. The user's information is listed in a series of rows: "Name: 程", "Gender: male female ", "Mobile: 18888888888", and "Address: shenzhen". Below the address field, there is a small blue house icon. At the bottom of the screen, there are two large, rounded buttons: a light gray button labeled "Register Face" and a blue button labeled "OK".

(Pic. 13)

4. Function

c) Please touch “OK” button, device will save the modified information and return to Users Management interface. (Pic. 14)



The screenshot displays a mobile application interface titled "User Information". At the top, there is a blue header bar with a white back arrow on the left and the text "User Information" in the center. Below the header is a circular profile picture placeholder. The form consists of several rows, each with a label and a value: "Name: 程", "Gender: male female ", "Mobile: 18888888888", and "Address: shenzhen". A small blue house icon is positioned below the address field. Below the form, there are two buttons: a grey "Register Face" button and a blue "OK" button. The "OK" button is highlighted with a red rectangular border.

(Pic. 14)

4. Function

4.2.2.3 Delete Users

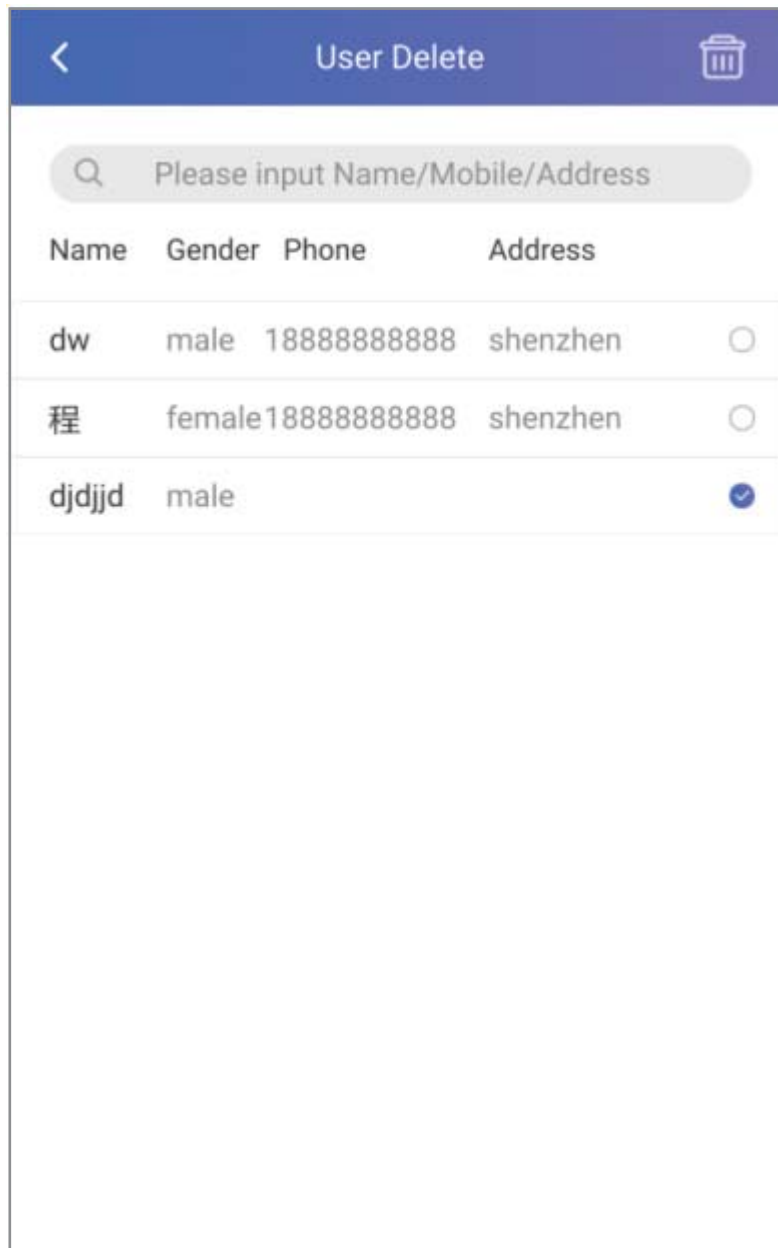
Touch “Delete Users” button and enter Delete mode.(Pic. 15)



(Pic. 15)

4. Function

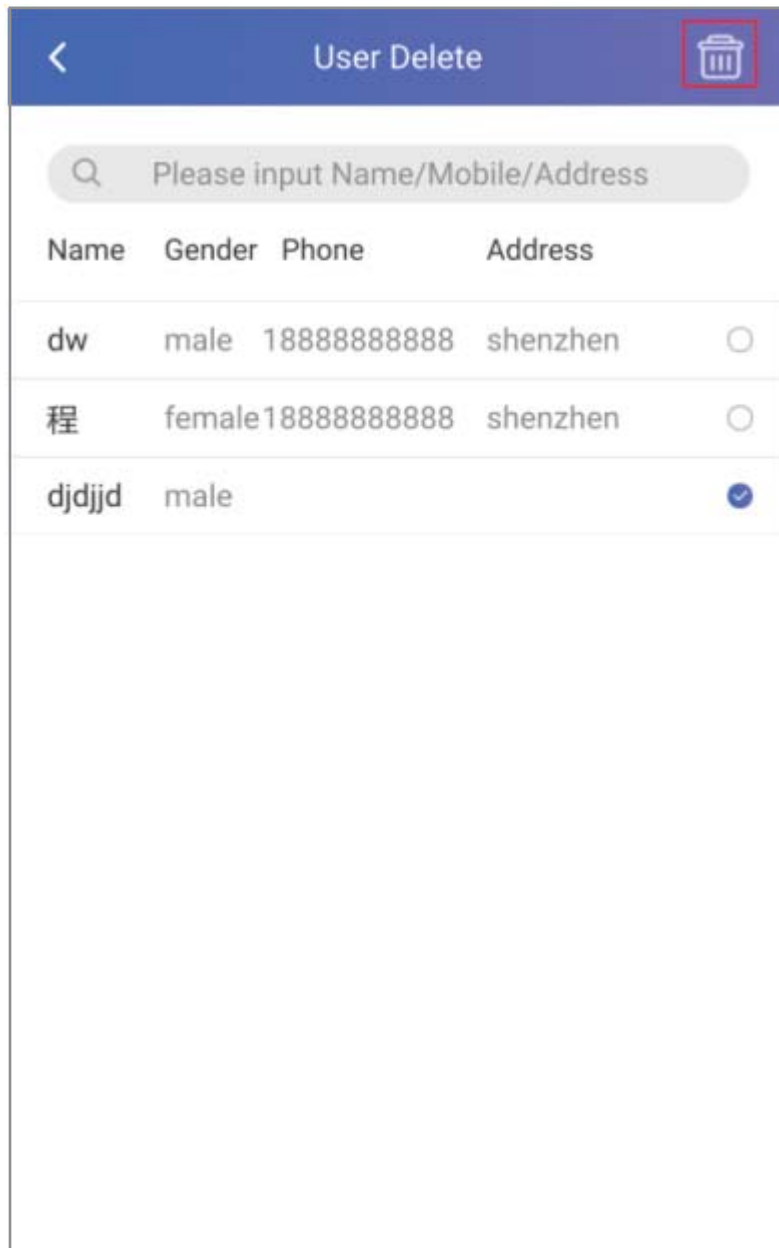
b) Select the users to be deleted. (Pic. 16)



(Pic. 16)

4. Function

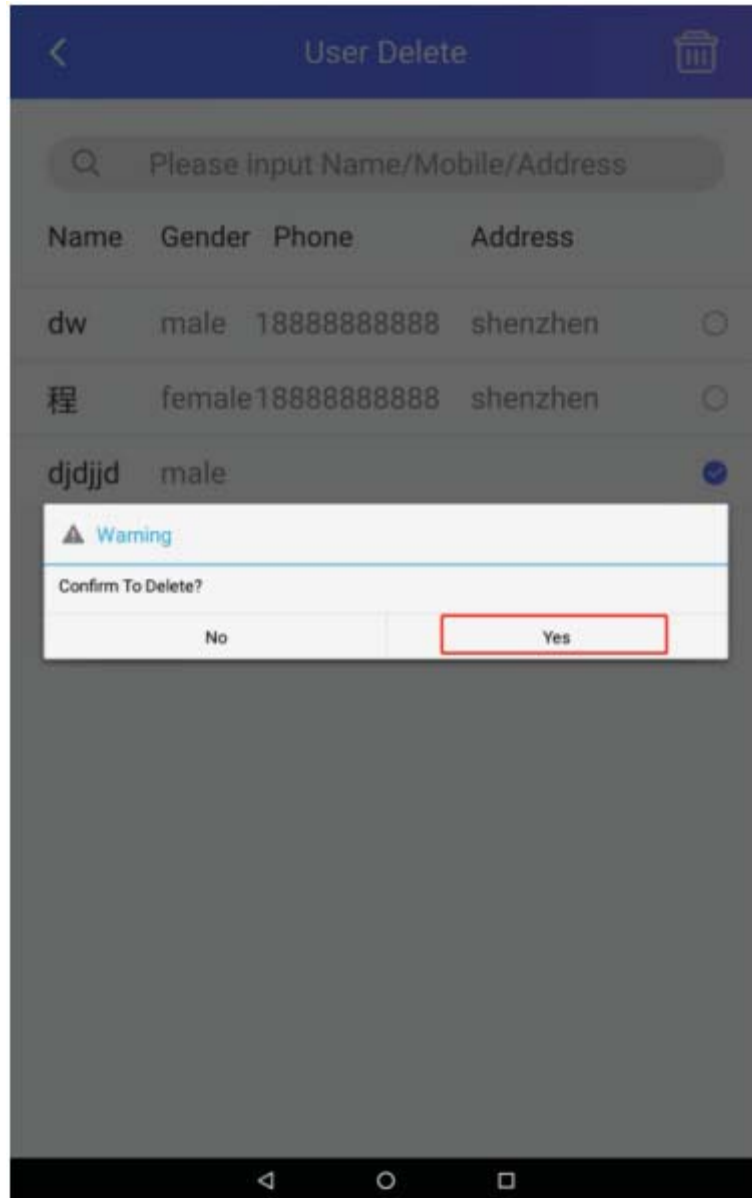
c) Touch “Delete” button. (Pic. 17)



(Pic. 17)

4. Function

d) Touch “Yes” button, device will delete all the selected users.
(Pic. 18)

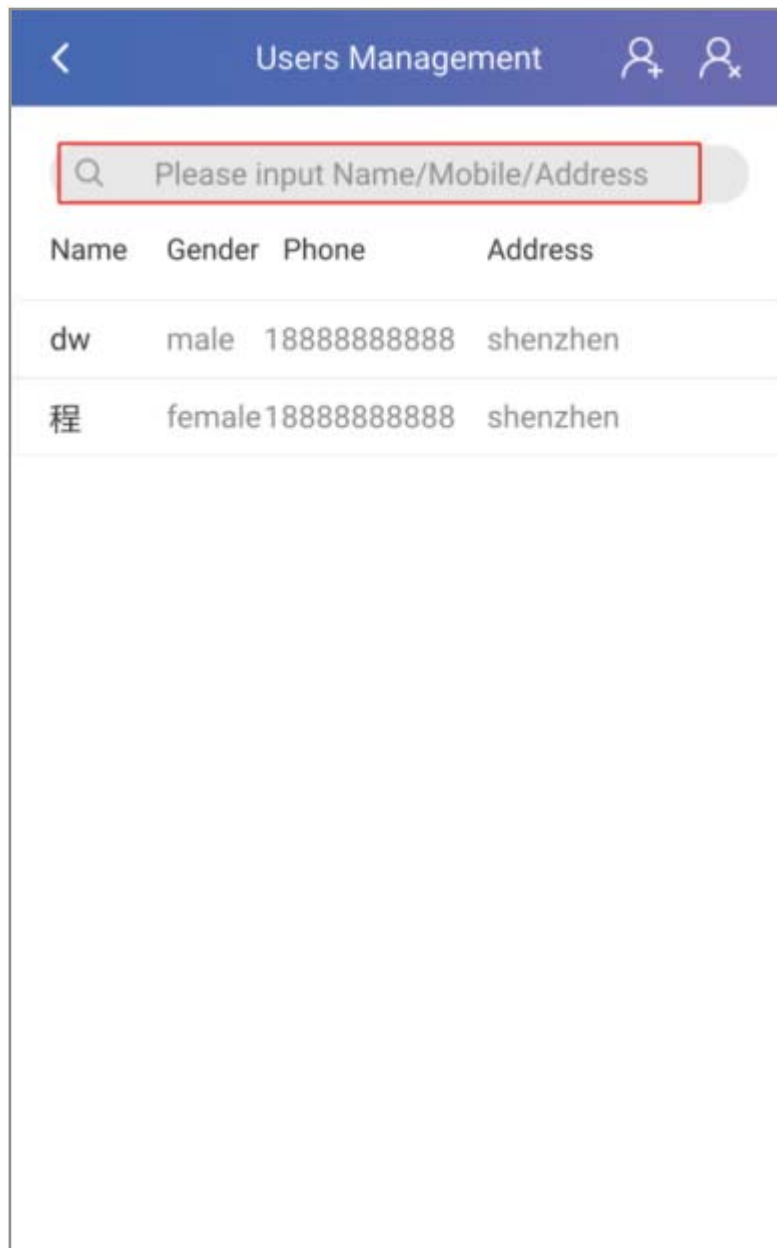


(Pic. 18)

4. Function

4.2.2.4 Search Users

a) Please touch “Search Box”. (Pic. 19)



(Pic. 19)

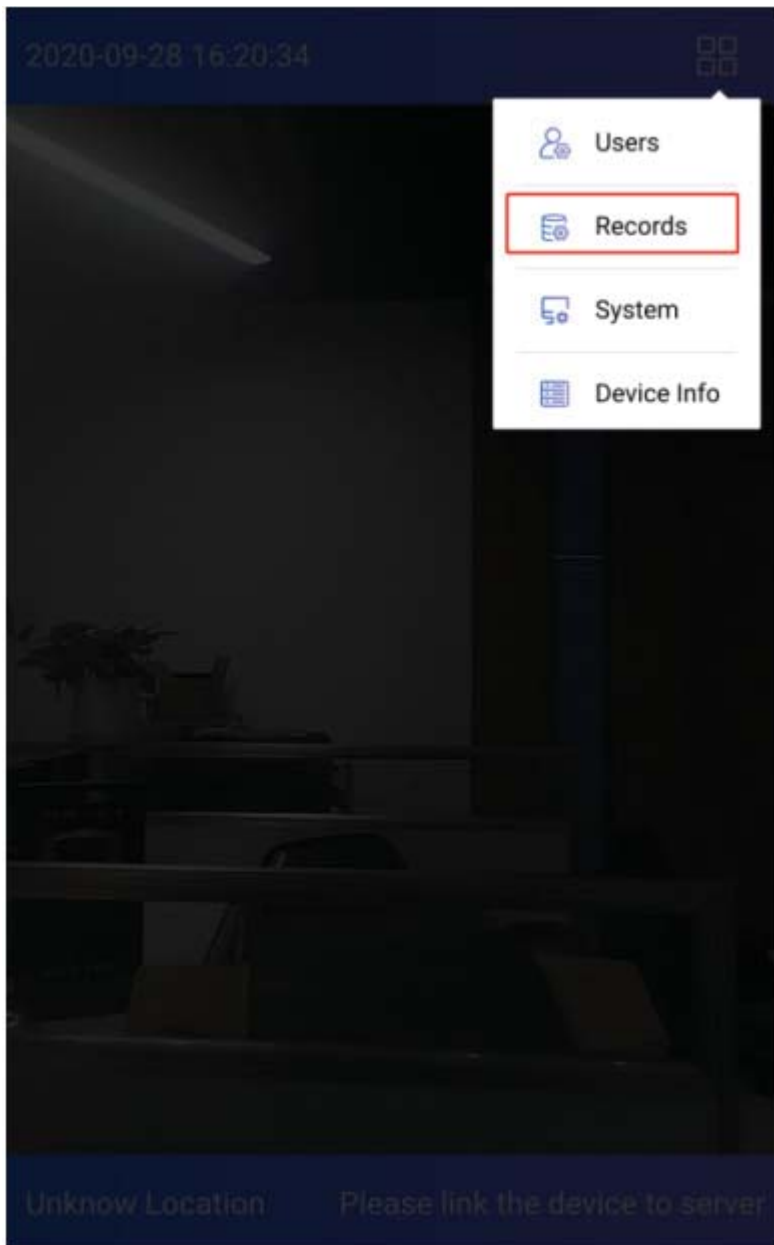
b) Support to input Name, Mobile and Address information.

4. Function

4.2.3 Records Management

4.2.3.1 Records Query

a) Please touch “Records” button and enter Records Management interface. (Pic. 20)



(Pic. 20)

4. Function

b)2000 records are displayed by default on Records Management interface. (Pic. 21)



The screenshot shows a mobile application interface titled "Records Manage". At the top, there is a search bar with a magnifying glass icon and the placeholder text "Input Name/Time". Below the search bar is a table with three columns: "No", "Name", and "Time". The table contains 14 rows of data. The first row has "00007", "测试", and "2020-10-21 09:10:01". The next seven rows have "00007", "测试", and various timestamps from 2020-10-19. The next three rows have "00005", "快乐", and various timestamps from 2020-10-19. The last row has "00005", "快乐", and "2020-10-19 16:32:54".

No	Name	Time
00007	测试	2020-10-21 09:10:01
00007	测试	2020-10-19 17:58:39
00007	测试	2020-10-19 17:57:33
00007	测试	2020-10-19 17:57:29
00007	测试	2020-10-19 17:44:13
00007	测试	2020-10-19 17:35:20
00007	测试	2020-10-19 17:29:47
00007	测试	2020-10-19 17:29:38
00007	测试	2020-10-19 17:29:34
00005	快乐	2020-10-19 17:13:07
00005	快乐	2020-10-19 17:13:00
00005	快乐	2020-10-19 16:32:43
00005	快乐	2020-10-19 16:32:54

(Pic. 21)

4. Function

4.2.3.2 Search Records

a) Touch Search Box. (Pic. 22)



The screenshot shows a mobile application interface titled "Records Manage". At the top, there is a blue header bar with a back arrow on the left and a share icon on the right. Below the header is a search bar with a magnifying glass icon on the left and a rounded rectangular input field containing the placeholder text "Input Name/Time". The search bar is highlighted with a red border. Below the search bar is a table with three columns: "No", "Name", and "Time". The table contains 15 rows of data. The first 10 rows have "No" values of "00007" and "Name" values of "测试". The last 5 rows have "No" values of "00005" and "Name" values of "快乐".

No	Name	Time
00007	测试	2020-10-21 09:10:01
00007	测试	2020-10-19 17:58:39
00007	测试	2020-10-19 17:57:33
00007	测试	2020-10-19 17:57:29
00007	测试	2020-10-19 17:44:13
00007	测试	2020-10-19 17:35:20
00007	测试	2020-10-19 17:29:47
00007	测试	2020-10-19 17:29:38
00007	测试	2020-10-19 17:29:34
00005	快乐	2020-10-19 17:13:07
00005	快乐	2020-10-19 17:13:00
00005	快乐	2020-10-19 16:32:43
00005	快乐	2020-10-19 16:32:54

(Pic. 22)

b)Support to input Name and Time.

4. Function

4.2.3.3 Export Records

a) Please touch “Export Records” button. (Pic. 23)



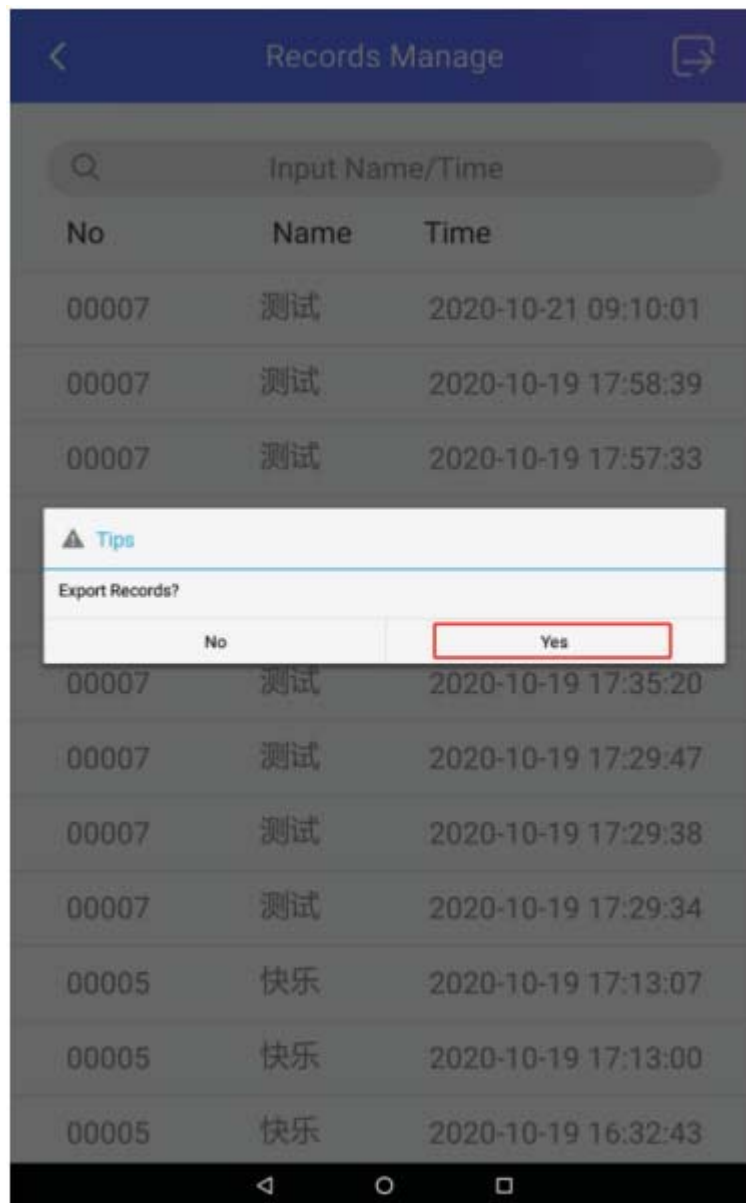
The screenshot shows a mobile application interface titled "Records Manage". At the top right, there is a red-bordered button with a square and an arrow icon, representing the "Export Records" function. Below the title bar is a search bar with a magnifying glass icon and the placeholder text "Input Name/Time". The main content is a table with three columns: "No", "Name", and "Time". The table contains 14 rows of data, with the last row partially cut off.

No	Name	Time
00007	测试	2020-10-21 09:10:01
00007	测试	2020-10-19 17:58:39
00007	测试	2020-10-19 17:57:33
00007	测试	2020-10-19 17:57:29
00007	测试	2020-10-19 17:44:13
00007	测试	2020-10-19 17:35:20
00007	测试	2020-10-19 17:29:47
00007	测试	2020-10-19 17:29:38
00007	测试	2020-10-19 17:29:34
00005	快乐	2020-10-19 17:13:07
00005	快乐	2020-10-19 17:13:00
00005	快乐	2020-10-19 16:32:43
00005	快乐	2020-10-19 16:32:54

(Pic. 23)

4. Function

b) Touch “Yes” button. (Pic. 24)



(Pic. 24)

4. Function

c) Select the U disk route to be saved and touch “Save” button.
(Pic. 25)

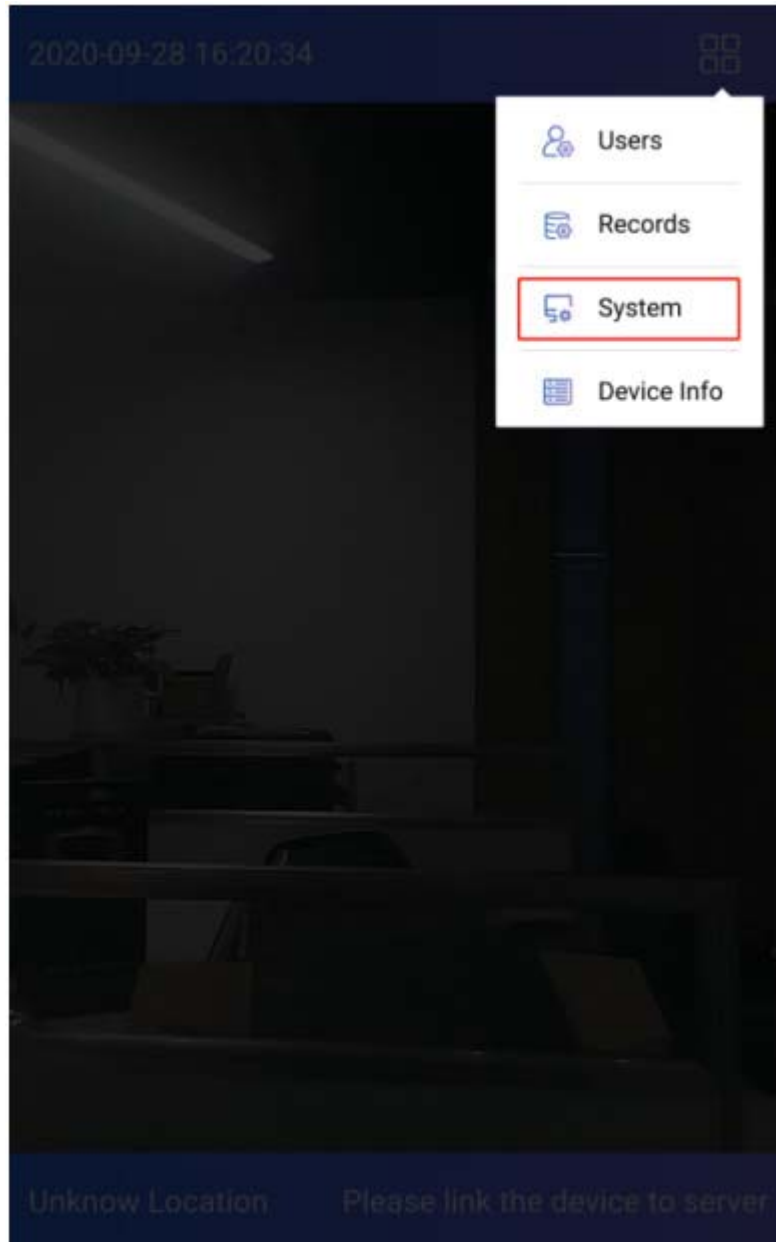


(Pic. 25)

4. Function

4.2.4 System Settings

a) Please touch “System” button and enter System Settings interface. (Pic. 26)

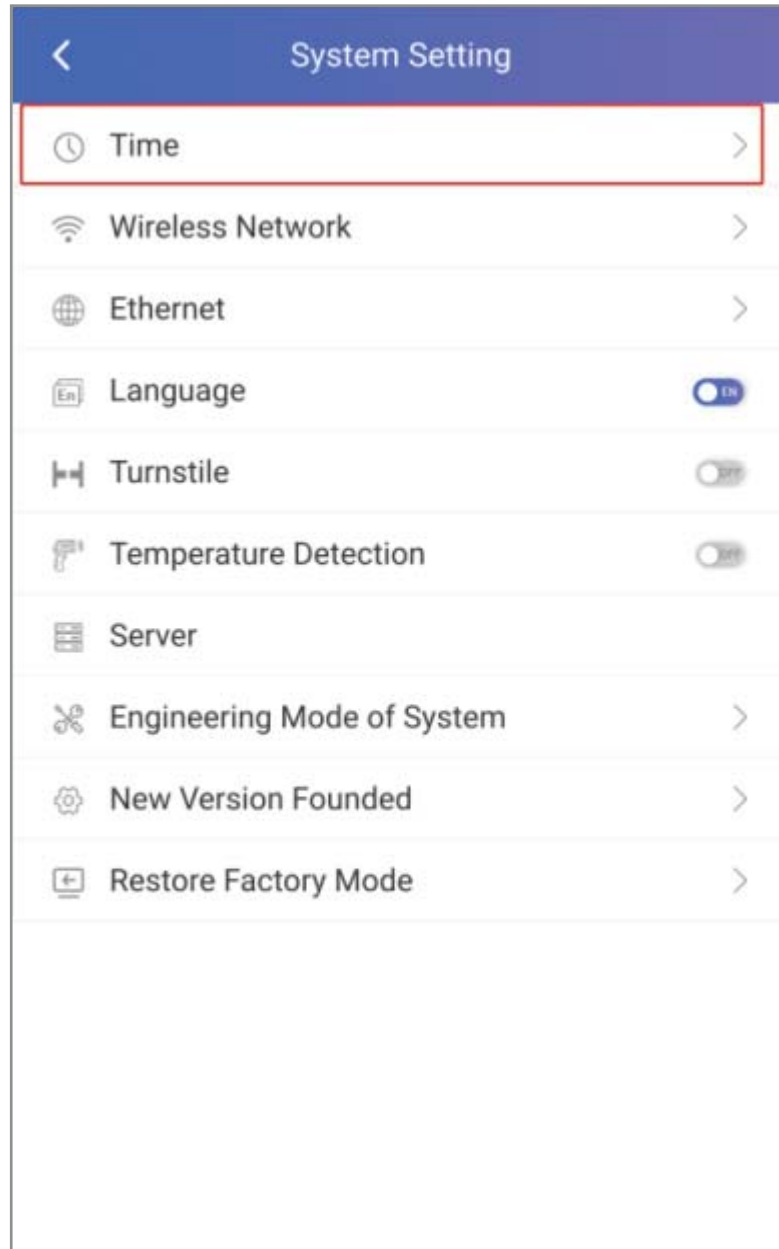


(Pic. 26)

4. Function

4.2.4.1 Time

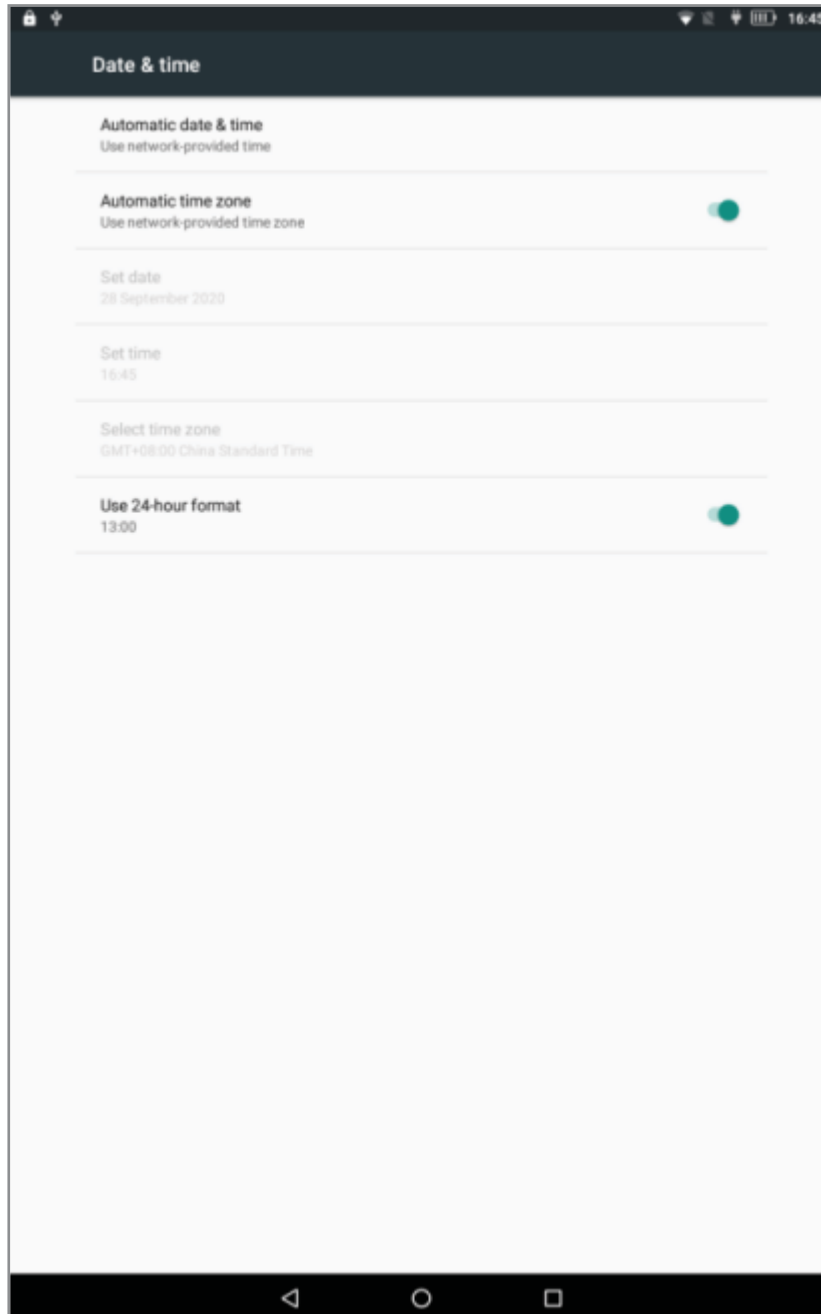
Please touch “Time” module and enter Time Setting interface. (Pic. 27)



(Pic. 27)

4. Function

b)Support to set Date, Time, Time zone and Display format on Time & Date interface. (Pic. 28)

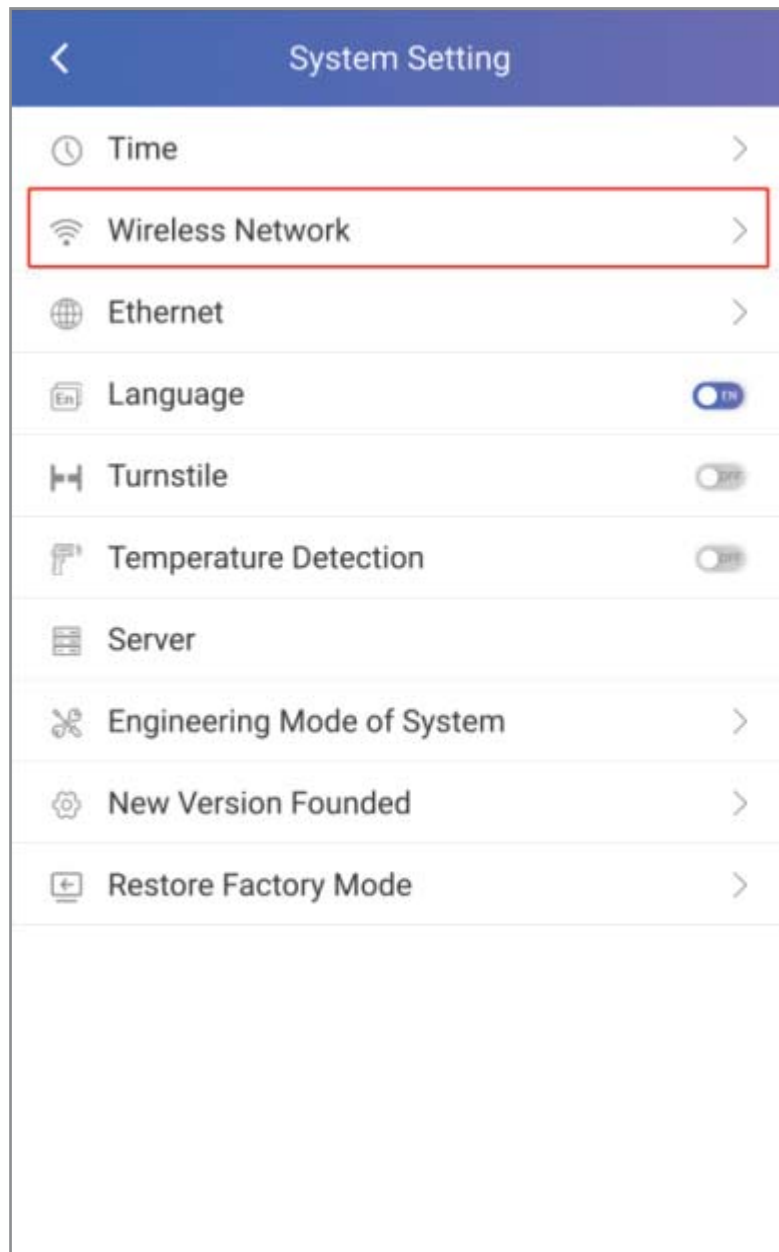


(Pic. 28)

4. Function

4.2.4.2 Wireless Network

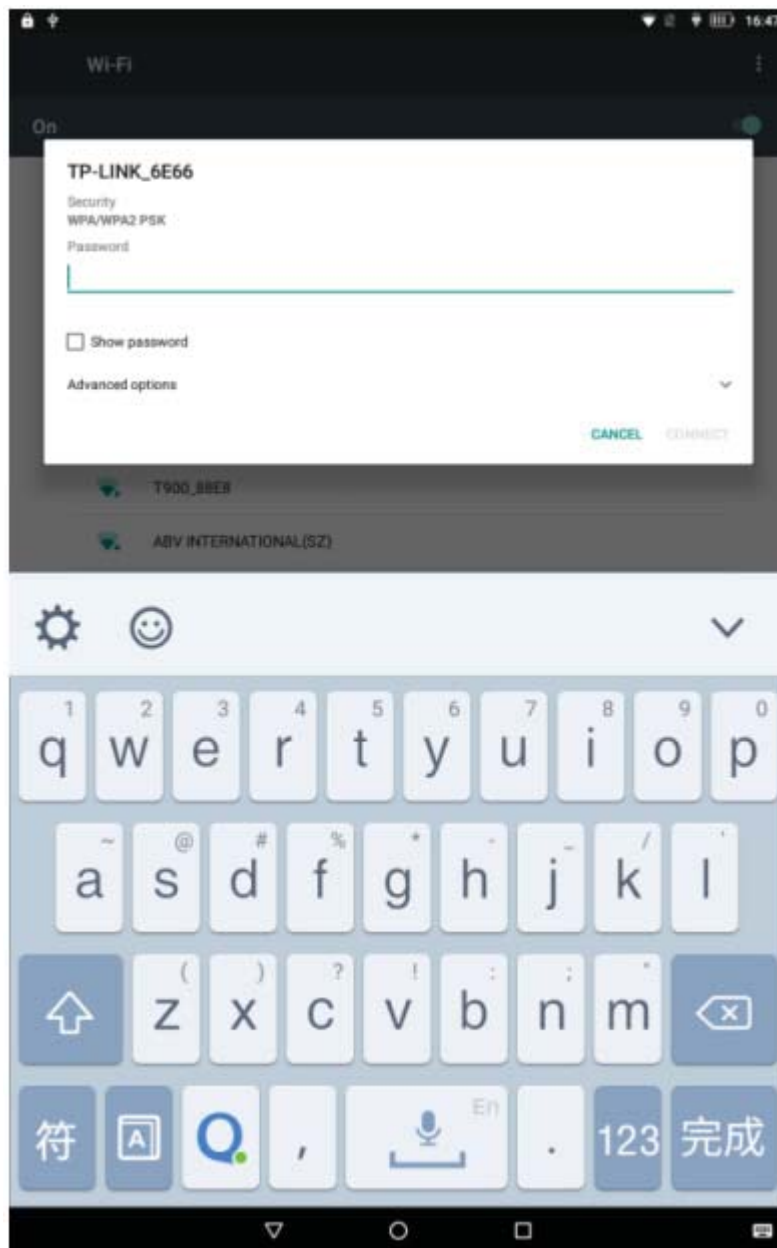
a) Please touch “Wi-Fi” and enter Wi-Fi setting interface. (Pic. 29)



(Pic. 29)

4. Function

b) Touch Wi-Fi to be connected and input the password. (Pic. 30)



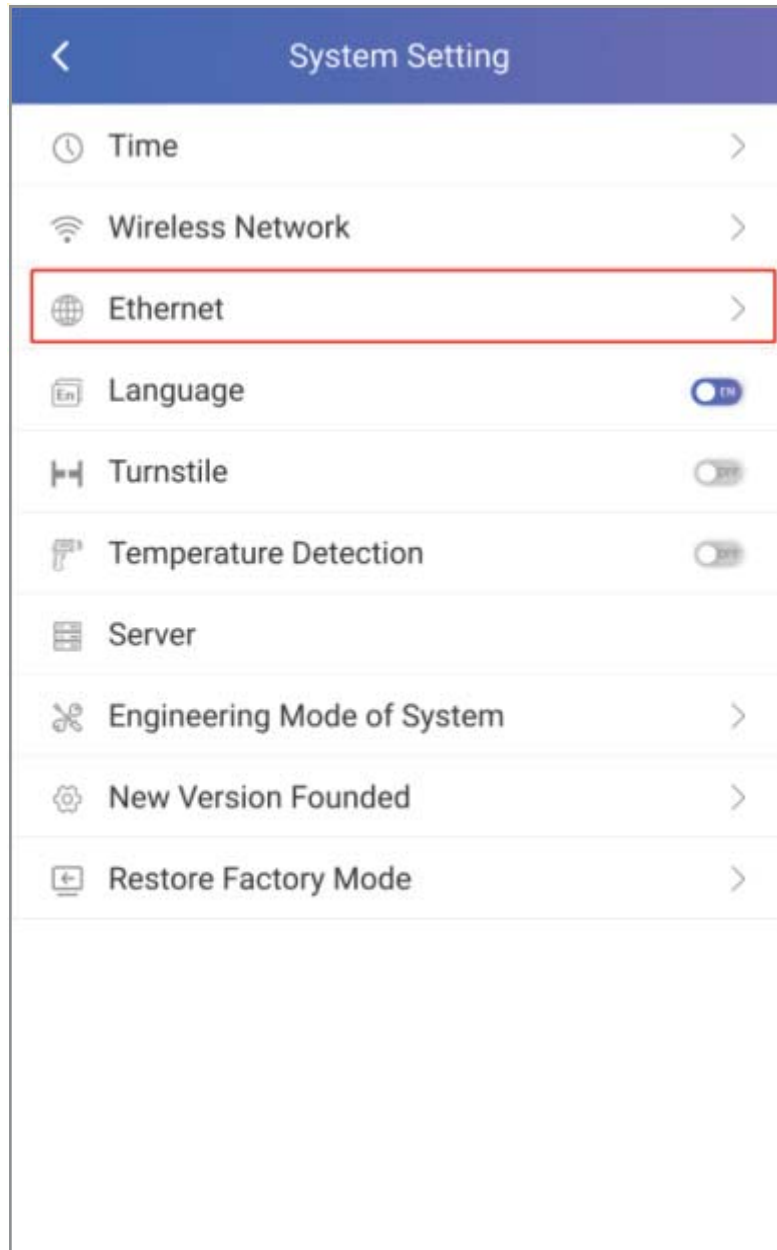
(Pic. 30)

4. Function

4.2.4.3 Ethernet

a) Please touch “Ethernet” and enter Ethernet Setting interface.

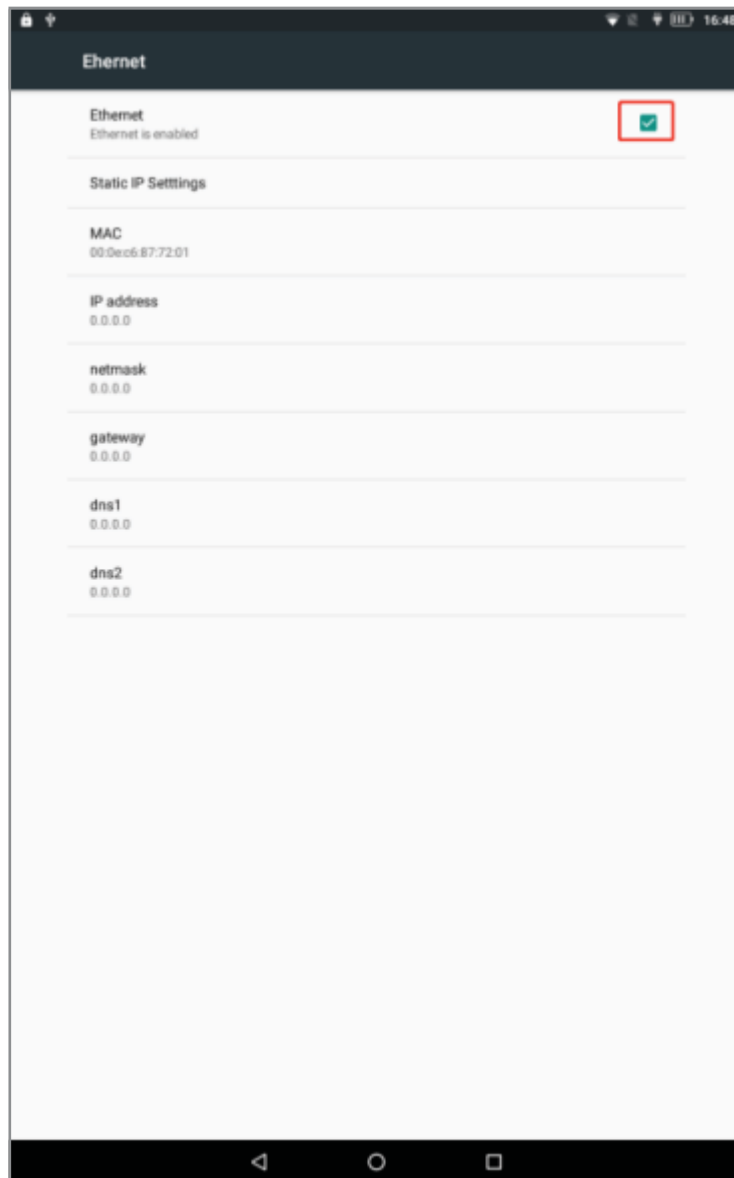
(Pic. 31)



(Pic. 31)

4. Function

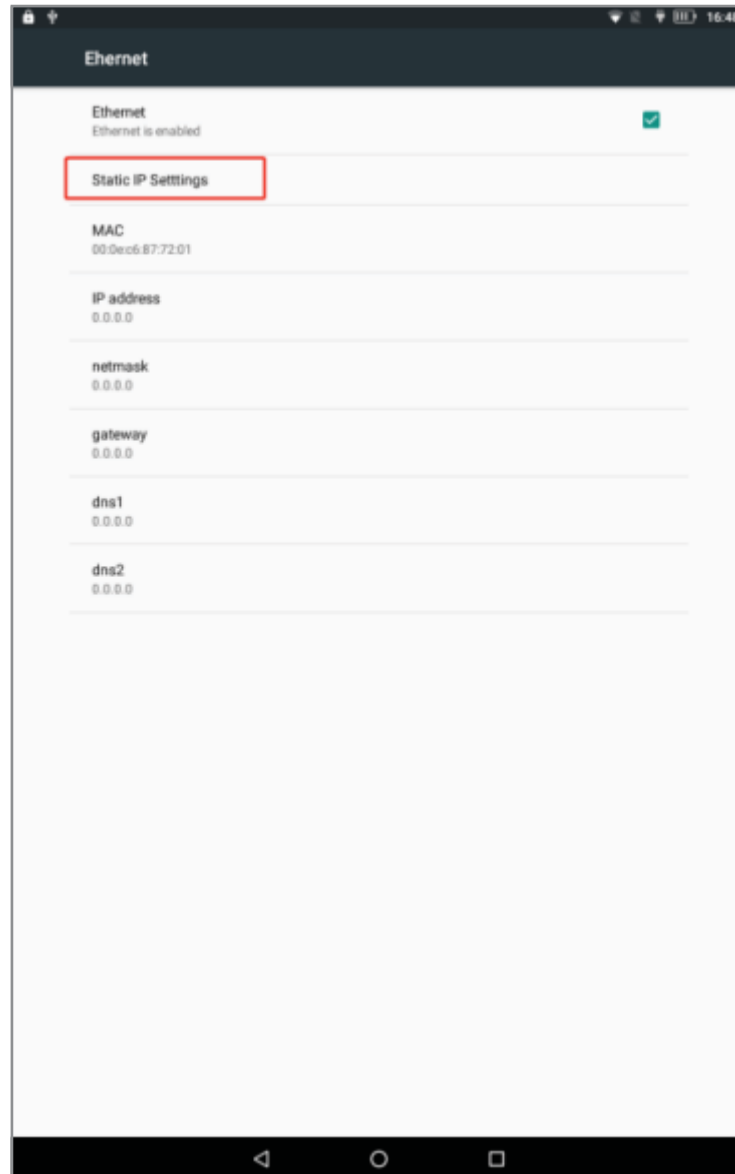
b) Select “Ethernet”, system will obtain Network configuration information automatically. (Pic. 32)



(Pic. 32)

4. Function

c) Touch “Static IP Settings”, able to input IP, Subnet Mask, Gateway and other Network configuration information . (Pic. 33)

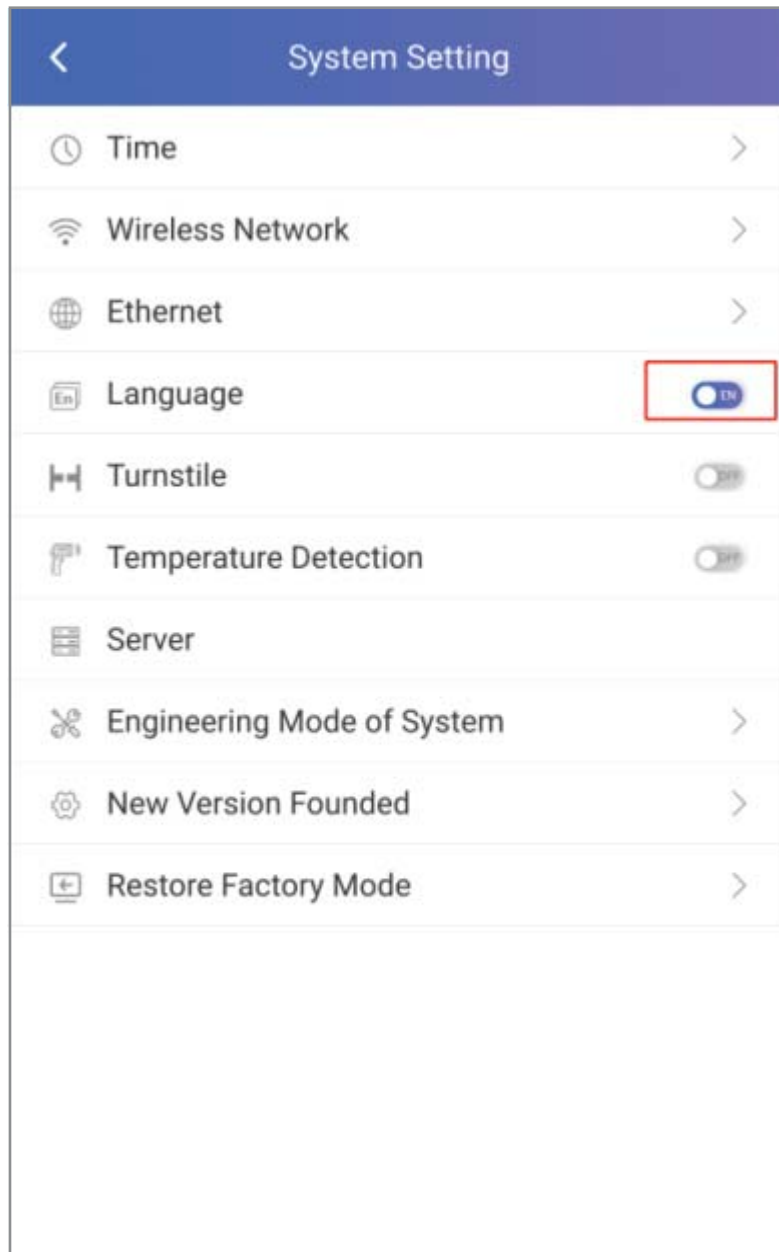


(Pic. 33)

4. Function

4.2.4.4 Language

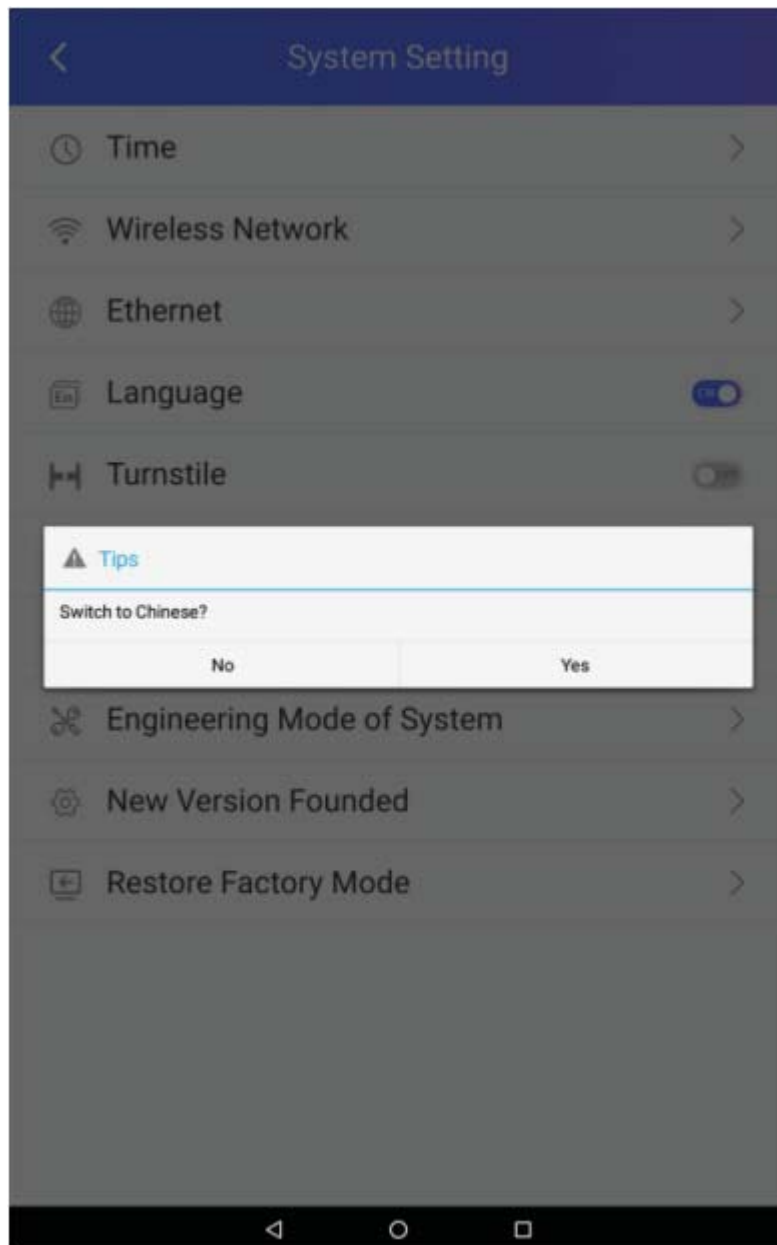
a) Please touch "Language" button to set English or Chinese. (Pic. 34)



(Pic. 34)

4. Function

b) Touch “Yes” button, device will restart and switch to the language that you need. (Pic. 35)



(Pic. 35)

4. Function

4.2.4.5 Turnstile

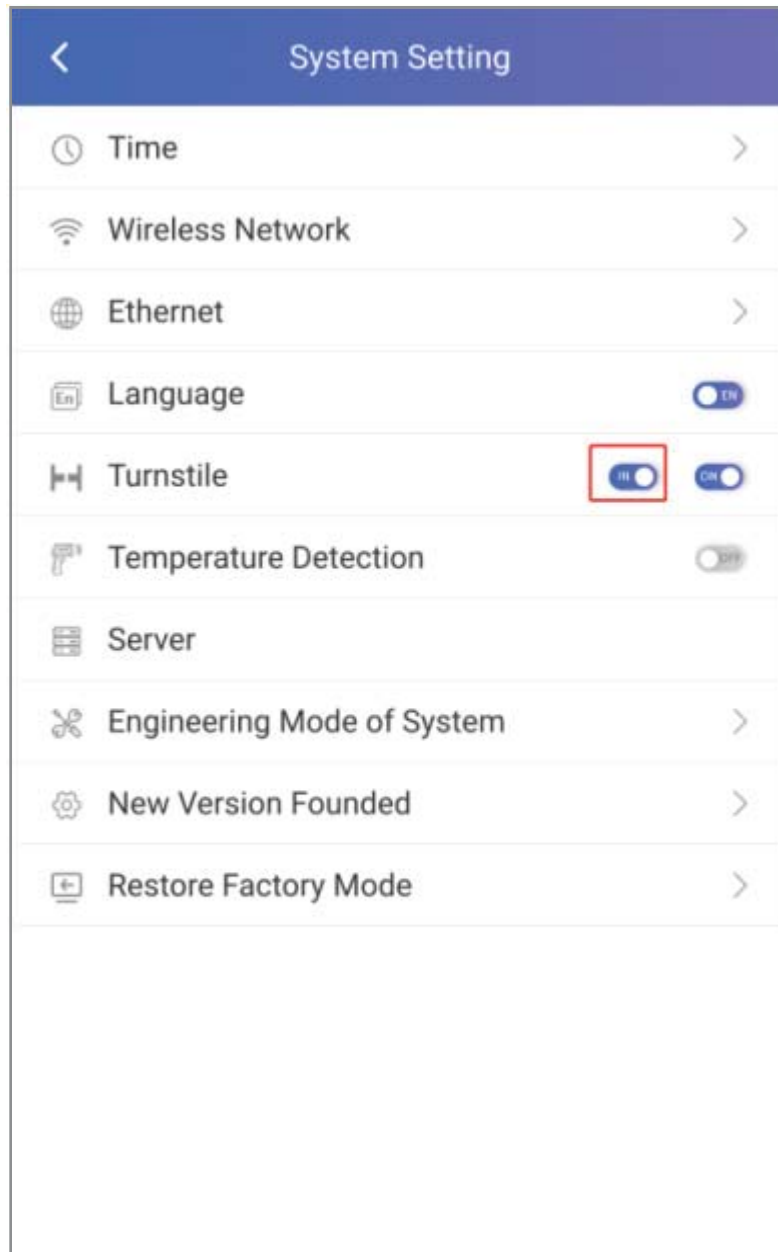
a) Please open “Turnstile” button, device will open turnstile channel after users verified successfully. (Pic. 36)



(Pic. 36)

4. Function

b) Touch “On” or “Off” button, able to set the opening direction of Turnstile. (Pic. 37)

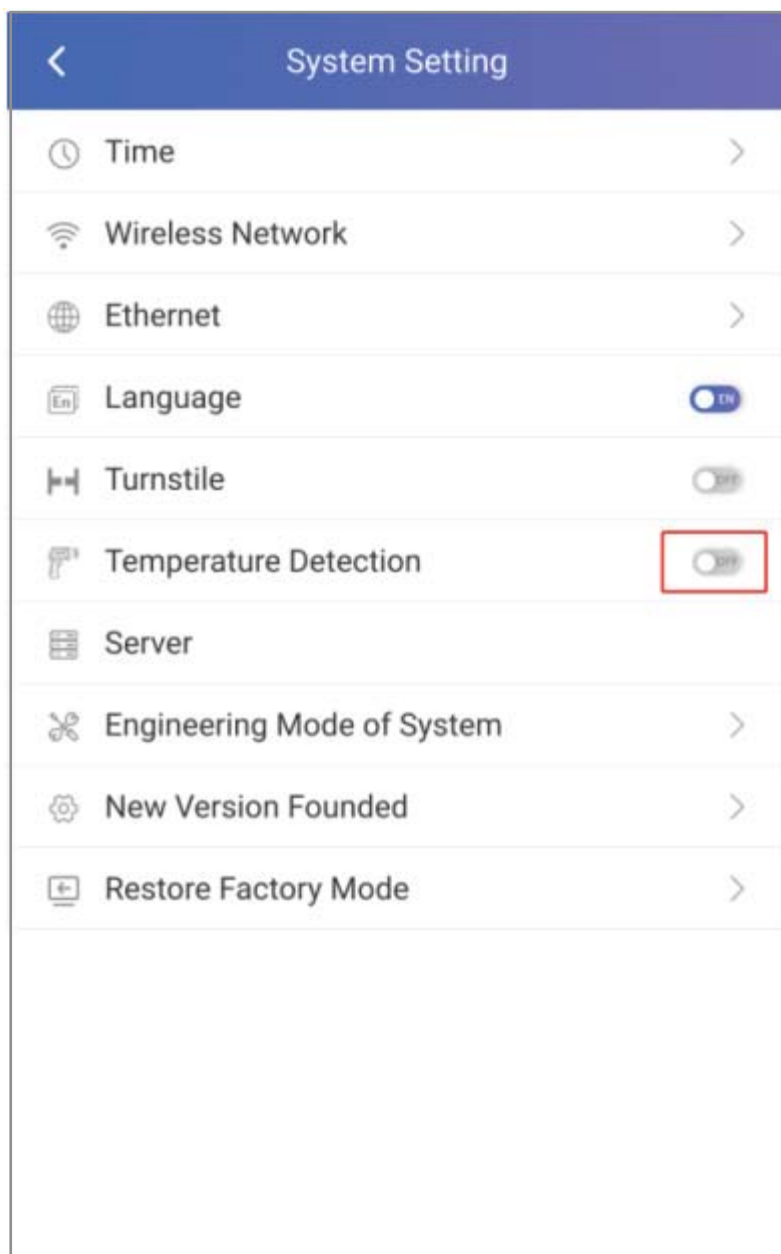


(Pic. 37)

4. Function

4.2.4.6 Temperature Detection

a) Please open Temperature Detection function when device is matched with temperature module, device will detect the user's body temperature after the user verified successfully. (Pic. 38)

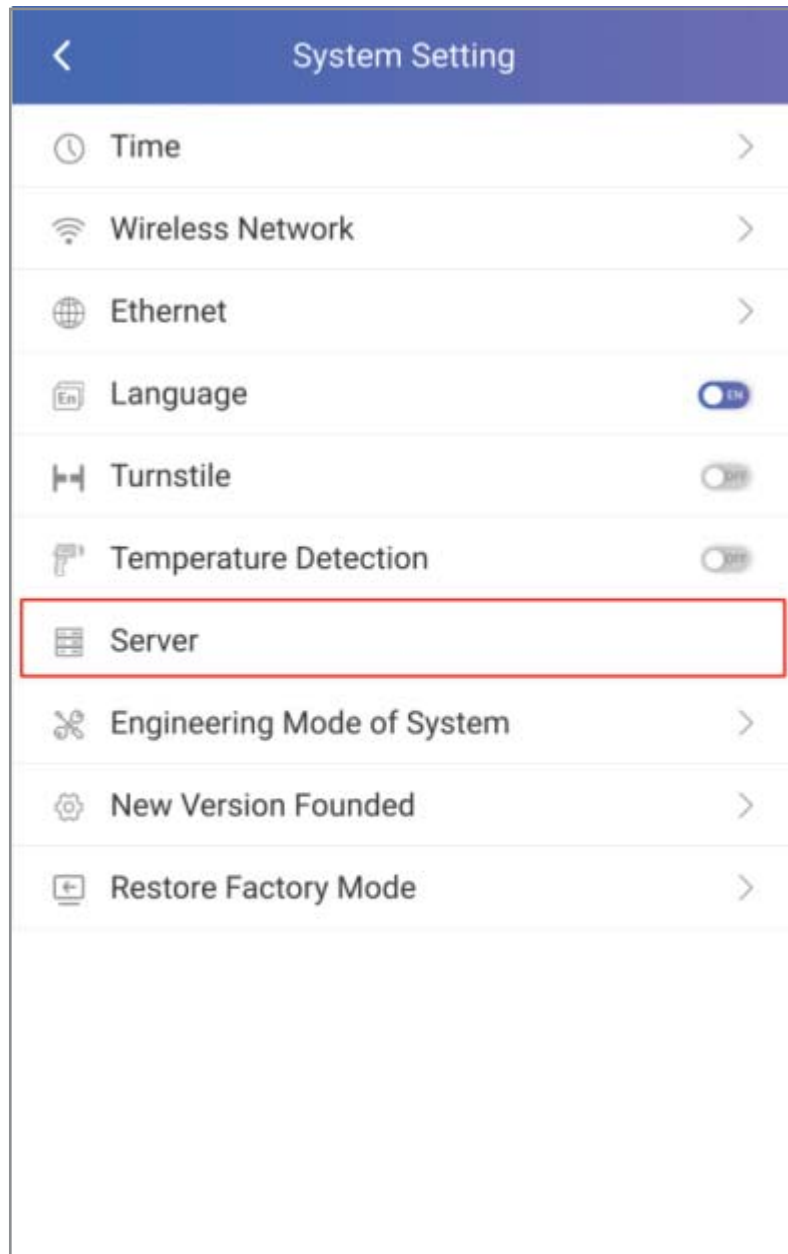


(Pic. 38)

4. Function

4.2.4.7 Server

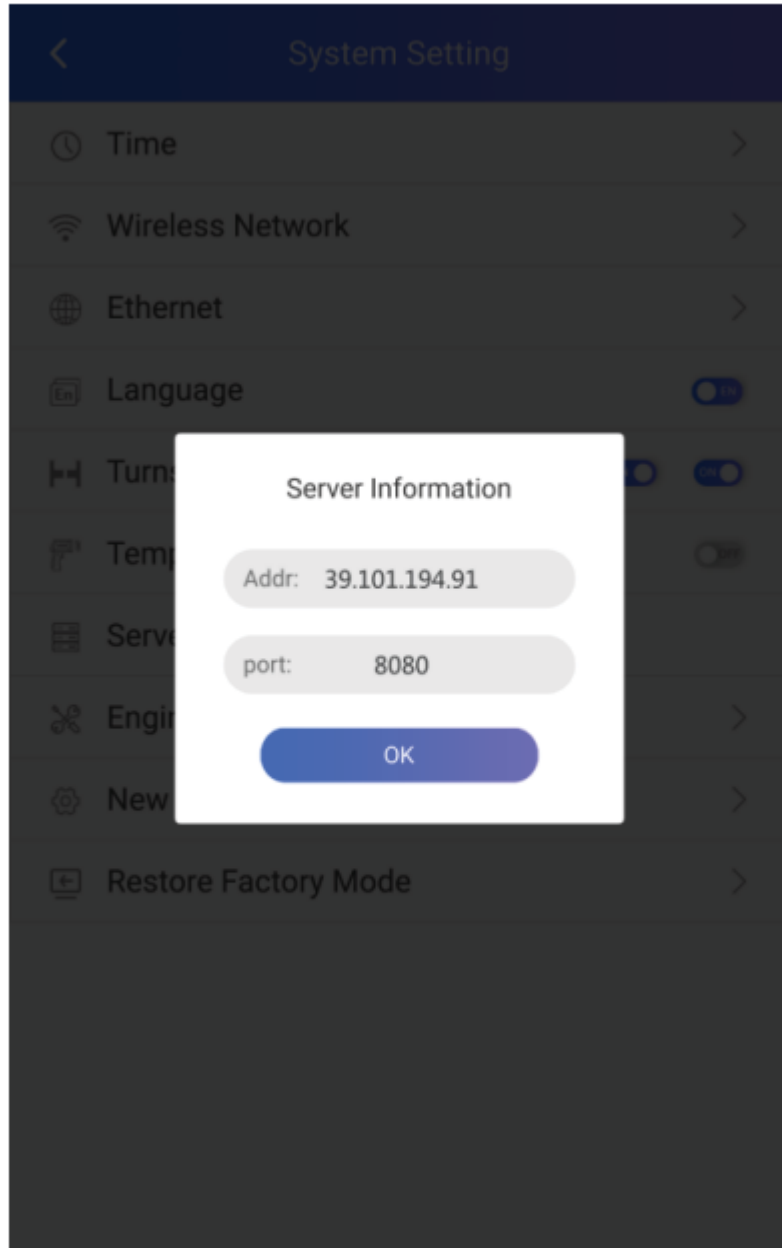
a) Please touch “Server” and enter Server setting interface. (Pic. 39)



(Pic. 39)

4. Function

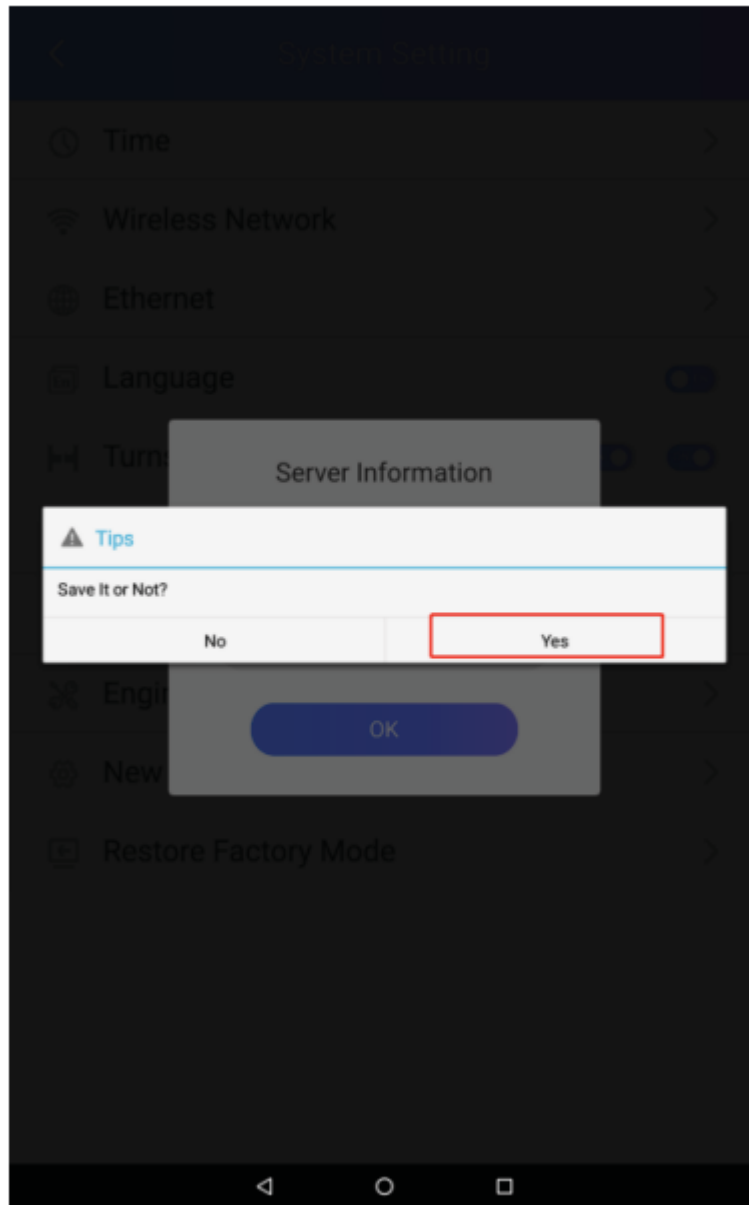
b) Touch “OK” button after input input Server address and port info.(Pic. 40)



(Pic. 40)

4. Function

c) Touch “Yes” button, device will save Server information and will connect Server automatically after Wi-Fi connected. (Pic. 41)



(Pic. 41)

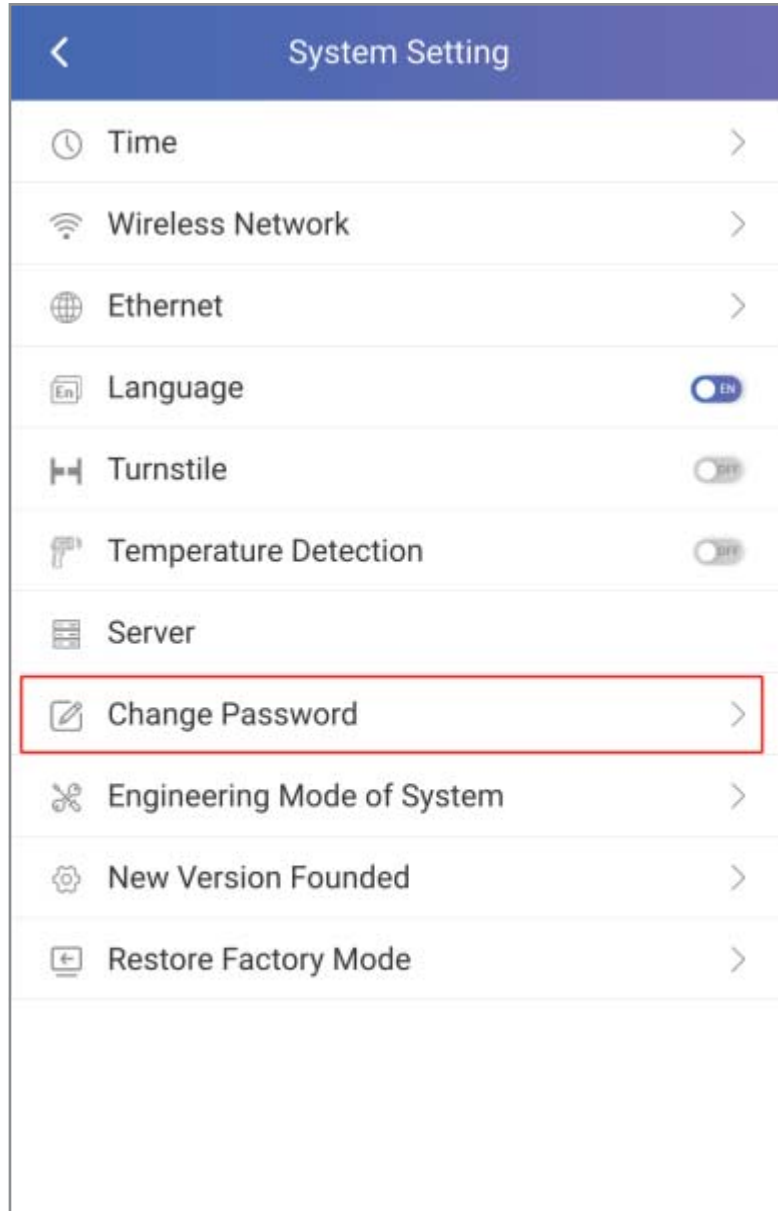
Notice:

If the device have been registered on Server, device will clear the saved datas once change the server information.

4. Function

4.2.4.8 Change Password

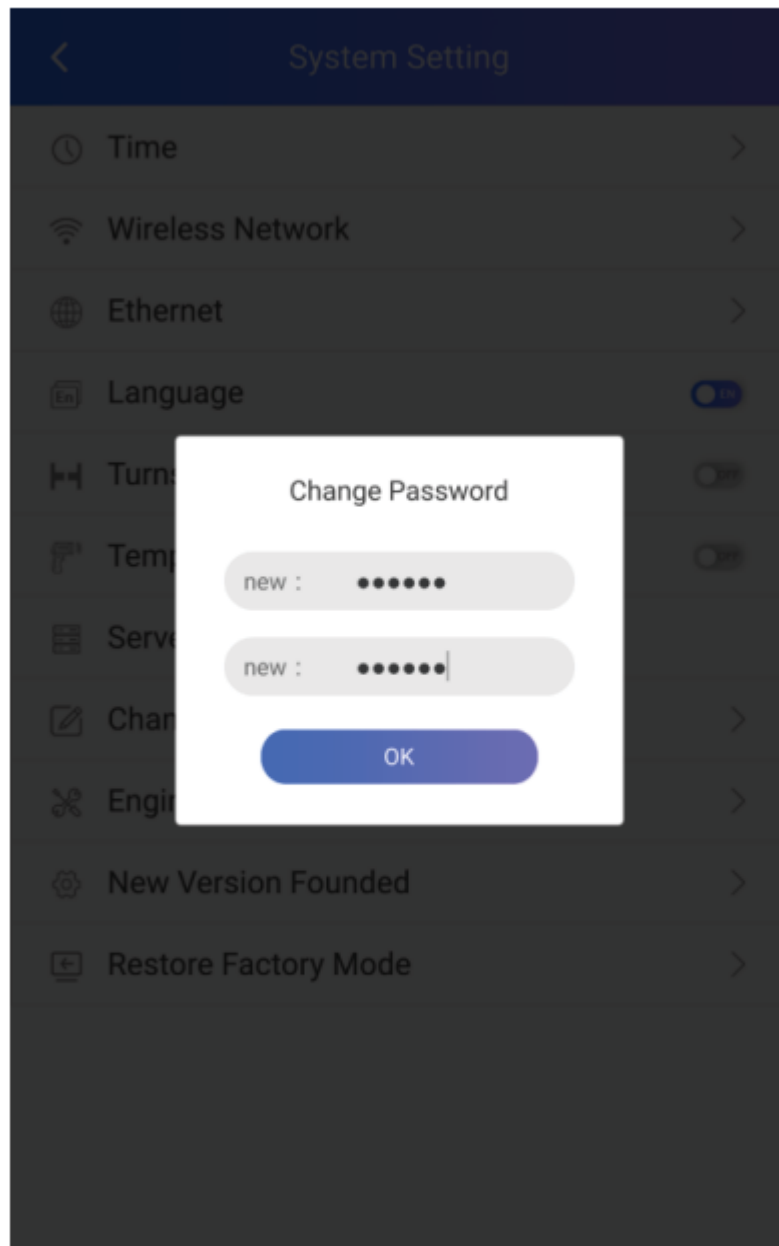
a) Please touch “Change Password”. (Pic. 42)



(Pic. 42)

4. Function

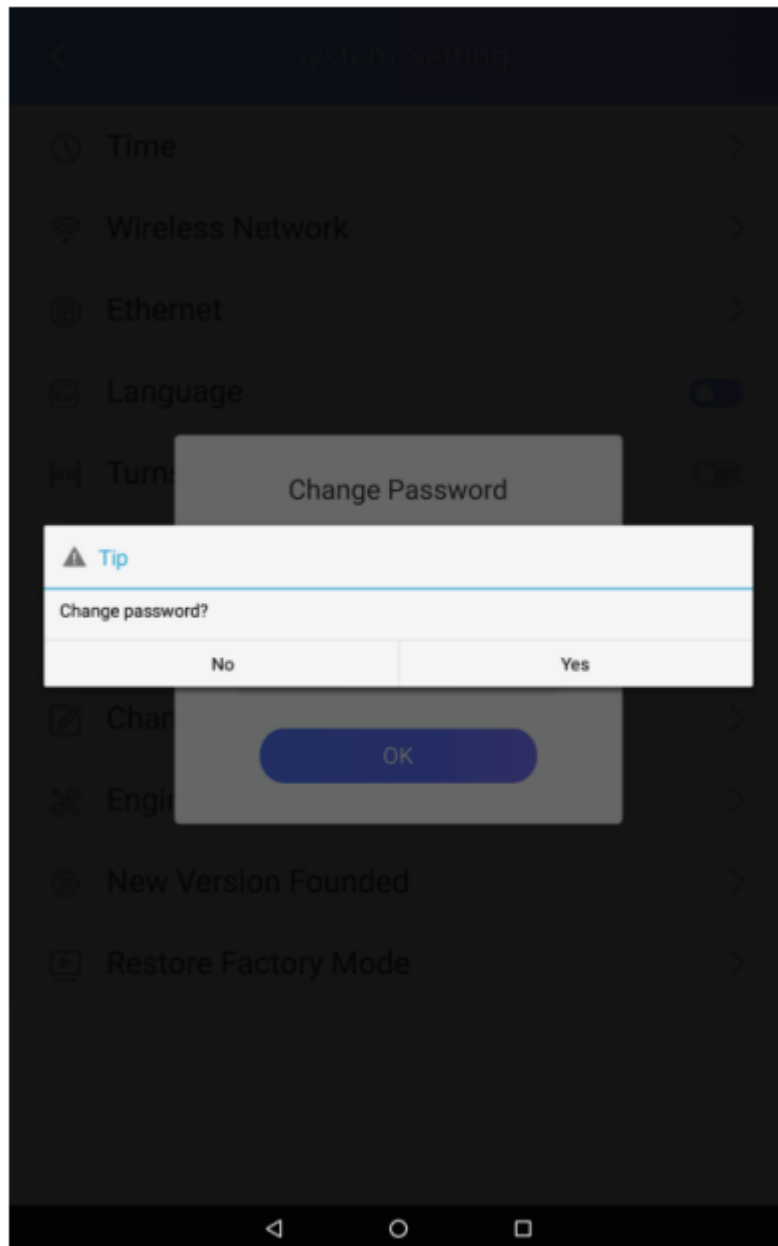
b) Please input the same password twice. (Pic. 43)



(Pic. 43)

4. Function

c) Please touch “Yes” to change the password. (Pic. 44)

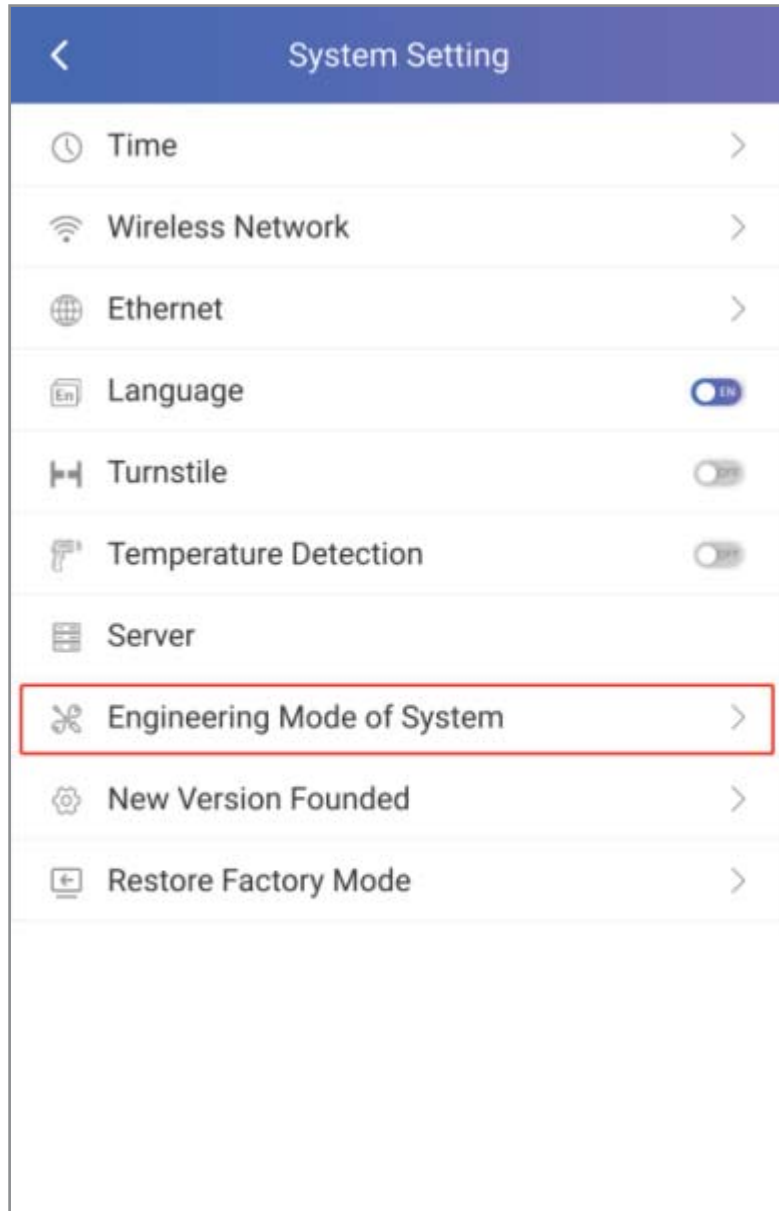


(Pic. 44)

4. Function

4.2.4.9 Engineering Mode of System

a) Please touch “Engineering Mode of System”, device will enter System engineering interface. (Pic. 45)



(Pic. 45)

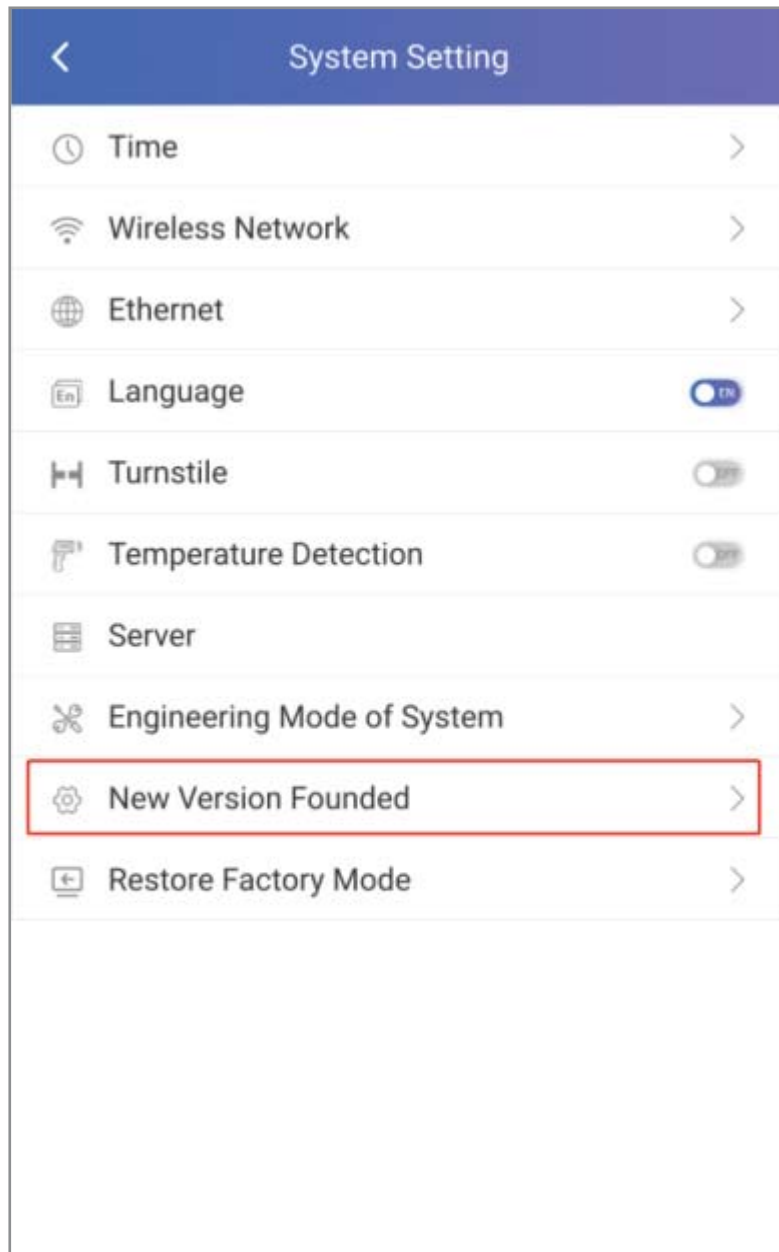
Notice:

The engineering mode of system is used by maintenance staff.

4. Function

4.2.4.10 System Upgrade

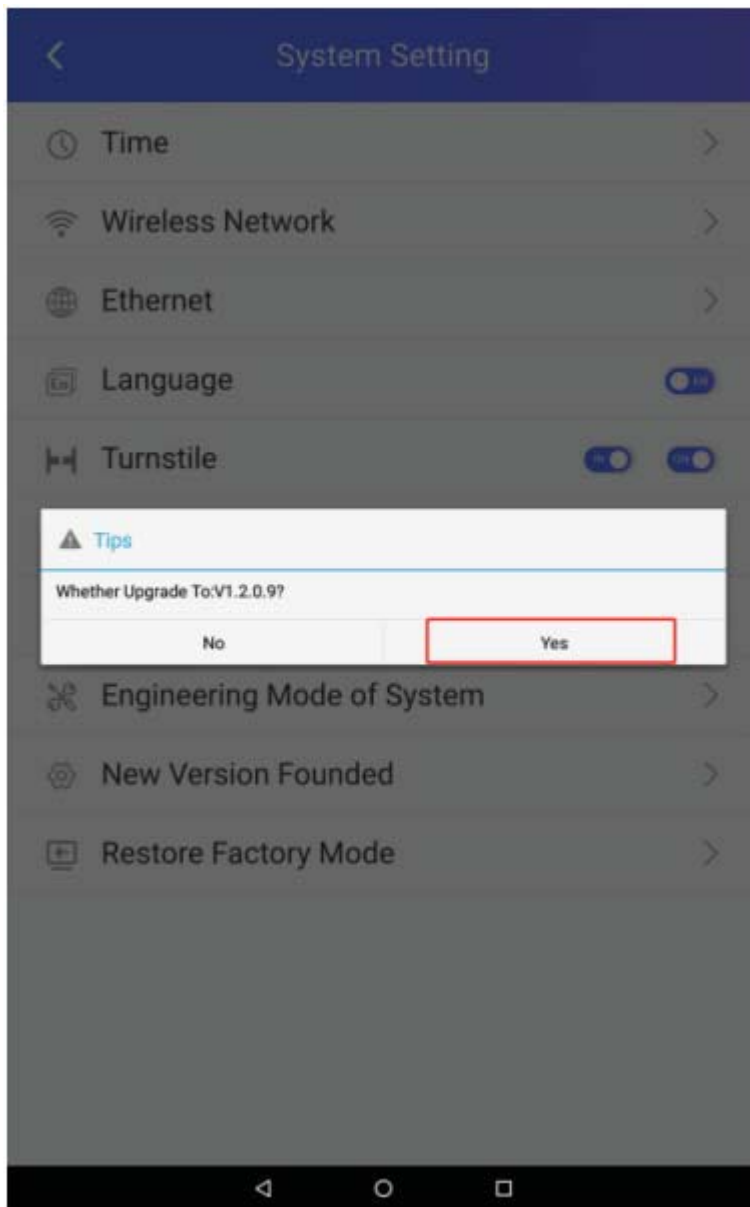
a) Please touch “New Version Founded”, device will check whether there is a new version to upgrade. (Pic. 46)



(Pic. 46)

4. Function

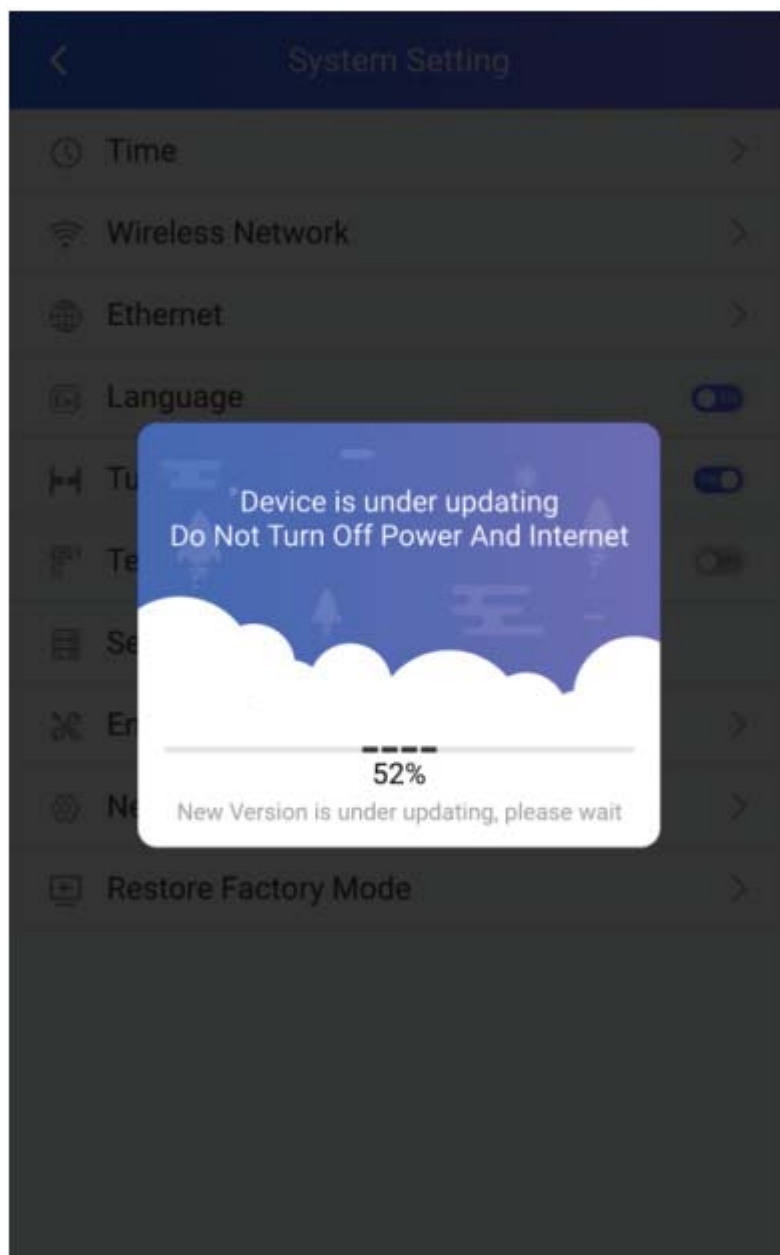
b) If there is a new version, please touch “Yes”. (Pic. 47)



(Pic. 47)

4. Function

c) Device enters upgrading mode. (Pic. 48)



(Pic. 48)

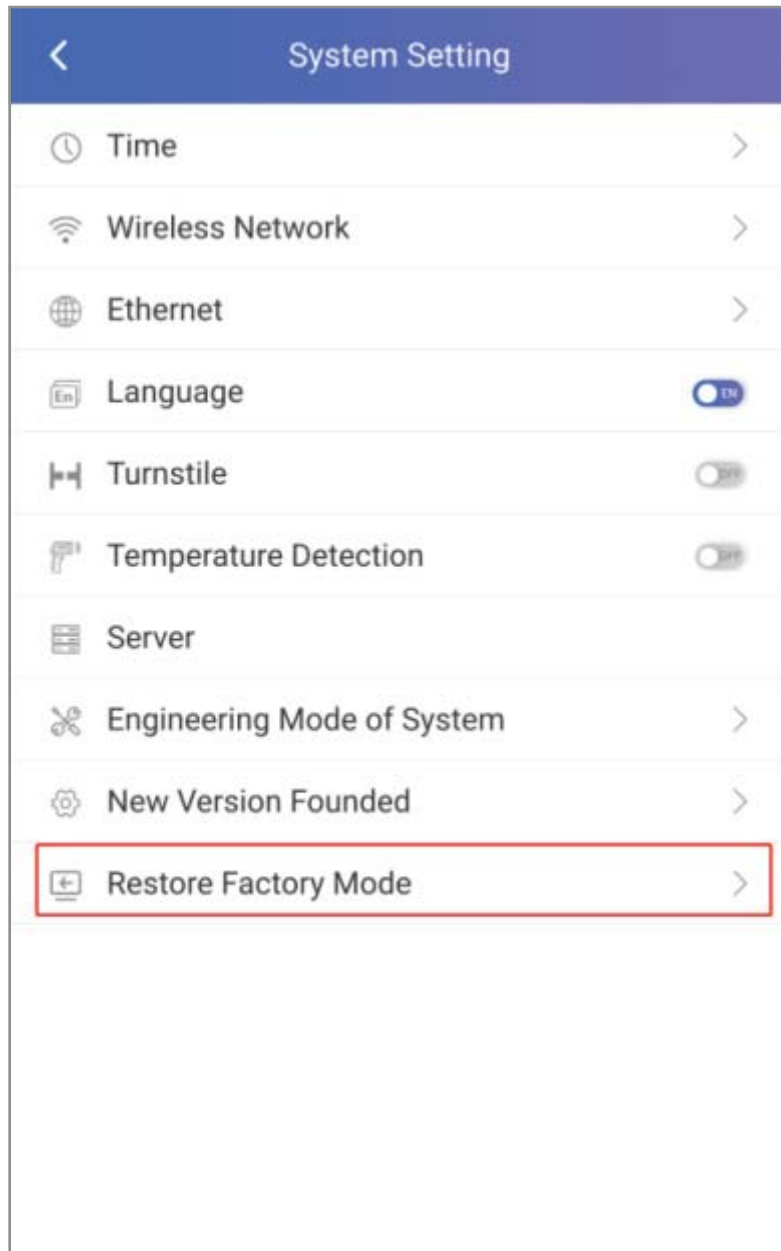
Notice:

During the upgrade, please do not turn off the power and network.

4. Function

4.2.4.11 Restore Factory Setting

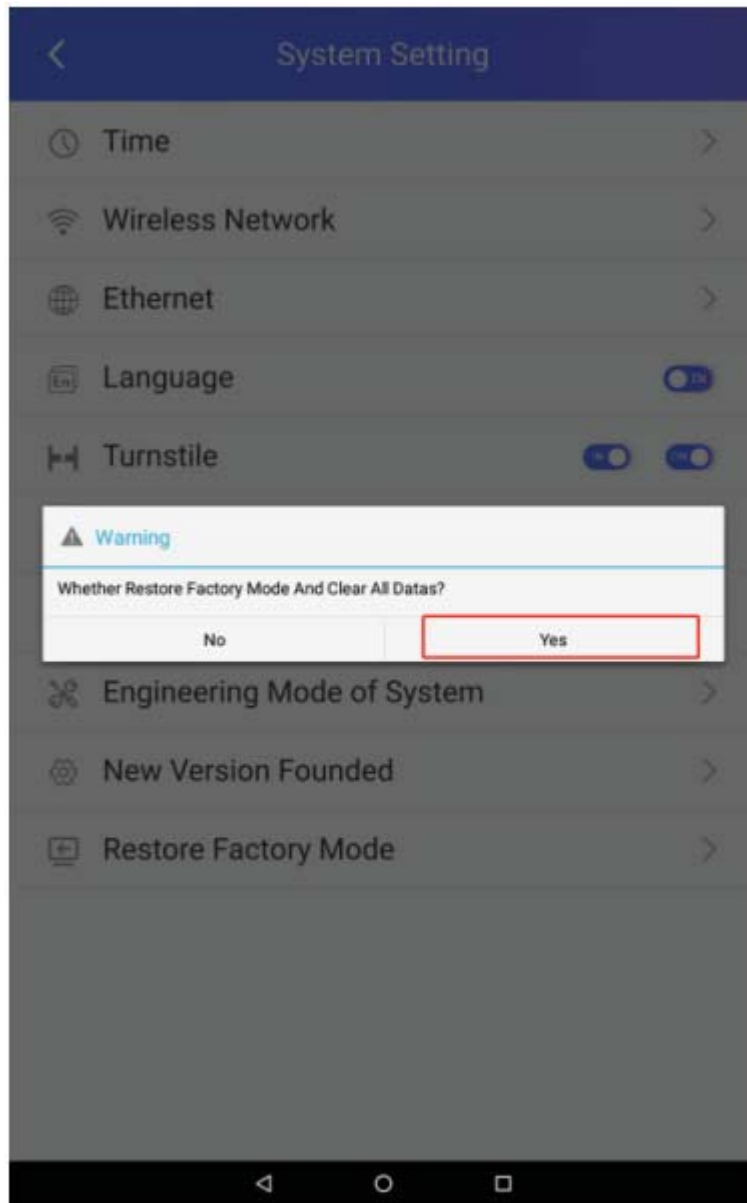
a) Please touch “Restore Factory Mode”. (Pic. 49)



(Pic. 49)

4. Function

b) Touch “Yes” button, device will clear the local data and unbound server. (Pic. 50)



(Pic. 50)

4. Function

4.3 Face recognition

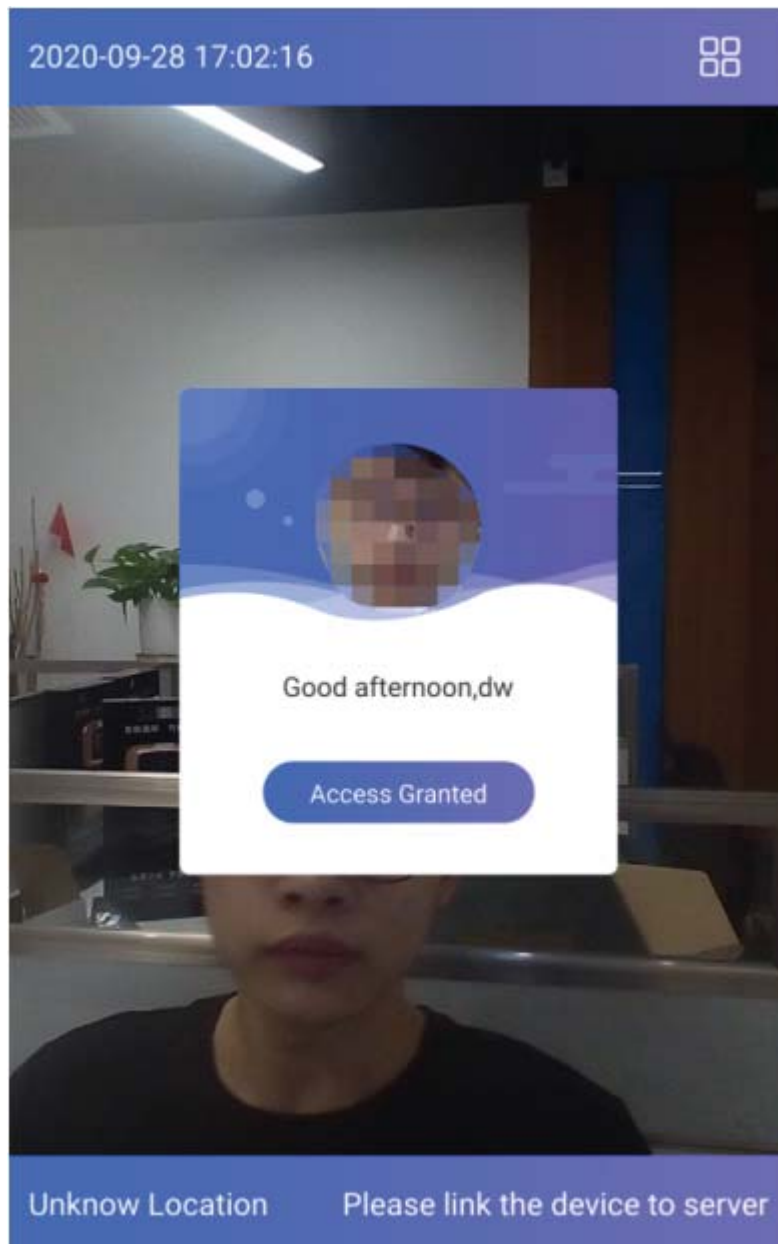
a) In the Standby interface, the face is facing the camera, and a recognition box will appear around the face. (Pic. 51)



(Pic. 51)

4. Function

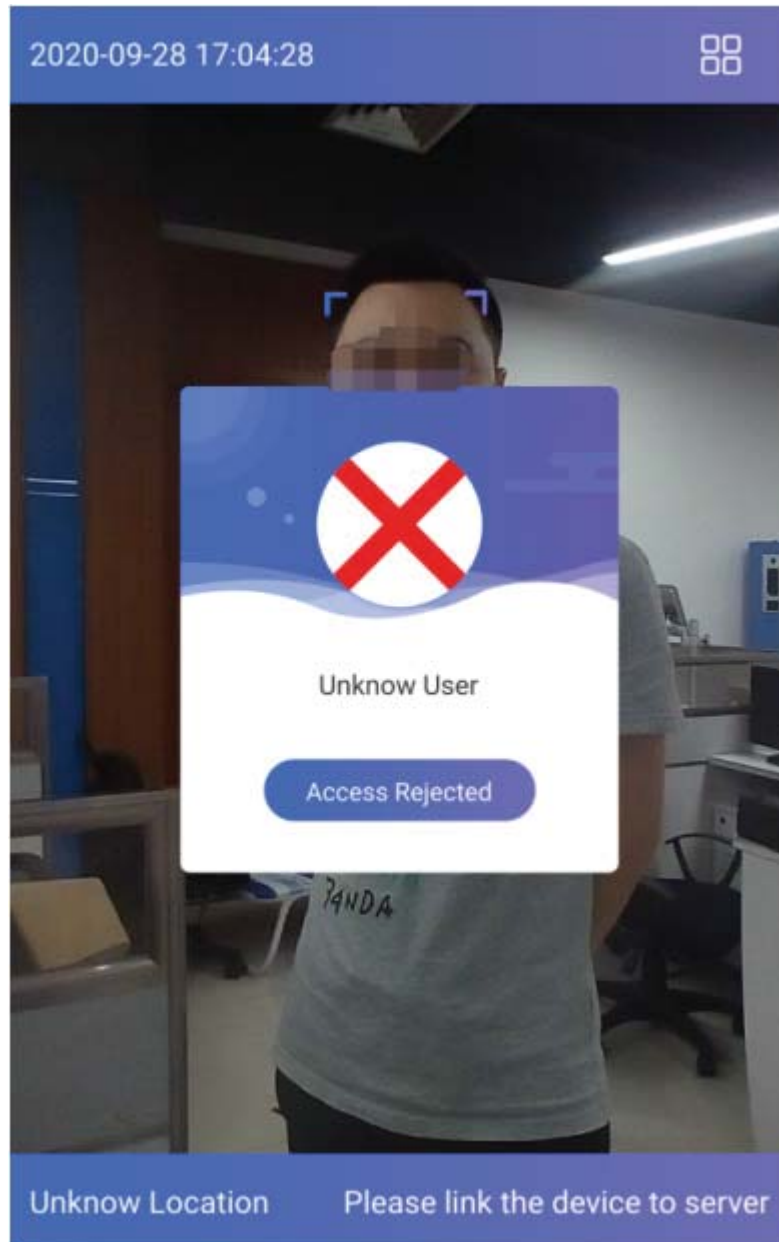
b) If the user was registered, device will verify successfully. (Pic.52)



(Pic.52)

4. Function

c) If the user was not registered, device will display “Unkown User”.
(Pic. 53)



(Pic. 53)

CAMABIO[®]

Face Recognition Access Control Terminal

Shenzhen CAMA Biometrics Co., Ltd.

Tel : 0086-755-33581519

Fax : 0086-755-33581529

Address : Rm No. 23, 5/F, Block B, 10Bldg, Shenzhen Bay
Eco-Technology Park, Nanshan, Shenzhen, China

Touchless Pass Through Makes Access More Convenience and Hygiene



Warning:

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.

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

NOTE: 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.

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter