Face Recognition Terminal

User Manual

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The symbols that may be found in this document are defined as follows.

Symbol	Description
Danger	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
Caution	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
Note	Provides additional information to emphasize or supplement important points of the main text.

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FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
FCC compliance: 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 equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.
FCC Conditions
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.
2. This device must accept any interference received, including interference that may cause undesired operation.

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CE

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed

under the EMC Directive 2014/30/EU, RE Directive 2014/53/EU,the RoHS Directive 2011/65/EU

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2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see:www.recyclethis.info

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into Dangers and Cautions:

Dangers: Neglecting any of the warnings may cause serious injury or death.

Cautions: Neglecting any of the cautions may cause injury or equipment damage.

⚠	⚠
Dangers: Follow these safeguards to prevent serious injury or death.	**Cautions:** Follow these precautions to prevent potential injury or material damage.

⚠ Danger:

- All the electronic operation should be strictly compliance with the electrical safety regulations, fire prevention regulations and other related regulations in your local region.
- Please use the power adapter, which is provided by normal company. This equipment is intended to be supplied from the Class 2 surge protected power source rated 12 VDC, 2 A.
- Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
- Please make sure that the power has been disconnected before you wire, install or dismantle the device.
- When the product is installed on wall or ceiling, the device shall be firmly fixed.
- If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- Do not ingest battery, Chemical Burn Hazard.
  This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
  Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the device yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

⚠ Cautions:

- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Do not place the device in extremely hot (refer to the specification of the device for the detailed operating temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.
- The device cover for indoor use shall be kept from rain and moisture.
- Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
- Do not aim the device at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
- Please use the provided glove when open up the device cover, avoid direct contact with the device cover, because the acidic sweat of the fingers may erode the surface coating of the device cover.
- Please use a soft and dry cloth when clean inside and outside surfaces of the device cover, do not use alkaline detergents.
- Please keep all wrappers after unpack them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the device and lead to additional costs.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.
- Biometric recognition products are not completely applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes.
- Working temperature: 0 °C to 50 °C; Working humidity: 10% to 90% (no condensing)
- Indoor use. The device should be at least 2 meters away from the light, and at least 3 meters away from the window.
- Version: 1.0, Issue Date: 20200519
- Outdoor use or use in environment exceeding the device temperature measurement will affect the temperature measurement accuracy.

Available Models

Product Name	Model
Face Recognition Terminal	DS-K1T671TM-3XF

Use only power supplies listed in the user instructions:

Model	Manufacturer	Standard
C2000IC12.0-24P-DE	MOSO Power Supply Technology Co., Ltd.	CEE
C2000IC12.0-24P-GB	MOSO Power Supply Technology Co., Ltd.	BS
KPL-040F-VI	Channel Well Technology Co Ltd.	CEE

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Chapter 1 Overview

1.1 Overview

Face recognition terminal is a kind of access control device for face recognition, which is mainly applied in security access control systems, such as logistic centers, airports, university campuses, alarm centrals, dwellings, etc.

Note

This device is NOT for medical use.

1.2 Features

- Supports Vanadium Oxide uncooled sensor to measure target's temperature
- Temperature measuring range: 30 °C to 45 °C (86 °F to 113 °F), accuracy: 0.1 °C, deviation: ± 0.5 °C without black body calibration
- Recognition distance: 0.3 to 2 m
- Fast temperature measurement mode: Detects face and takes temperature without identity authentication.
- Multiple authentication modes are available: card and temperature, face and temperature, card and face and temperature, etc.
- Face mask wearing alert
  If the recognizing face does not wear a mask, the device will prompt a voice reminder. At the same time, the authentication or attendance is valid.
- Forced mask wearing alert
  If the recognizing face does not wear a mask, the device will prompt a voice reminder. At the same time, the authentication or attendance will be failed.
- Displays temperature measurement results on the authentication page
- Triggers voice prompt when detecting abnormal temperature
- Configurable door status (open/close) when detecting abnormal temperature
- Transmits online and offline temperature information to the client software via TCP/IP communication and saves the data on the client software
- Face recognition duration $<$ 0.2 s/User; face recognition accuracy rate ≥ 99%
- 50,000 face capacity, 50,000 card capacity, and 100,000 event capacity
- Suggested height for face recognition: between 1.4 m and 1.9 m
- Supports 6 attendance status, including check in, check out, break in, break out, overtime in, overtime out
- Watchdog design and tamper function
- Audio prompt for authentication result
- NTP, manually time synchronization, and auto synchronization
- Connects to external access controller or Wiegand card reader via Wiegand protocol

- Connects to secure door control unit via RS-485 protocol to avoid the door opening when the terminal is destroyed
- Imports and export data to the device from the client software
- Supports simple theme
- Supports configuration via Web
- Supports ISUP 5.0

Chapter 2 Appearance

Refer to the following contents for detailed information of the face recognition terminal:

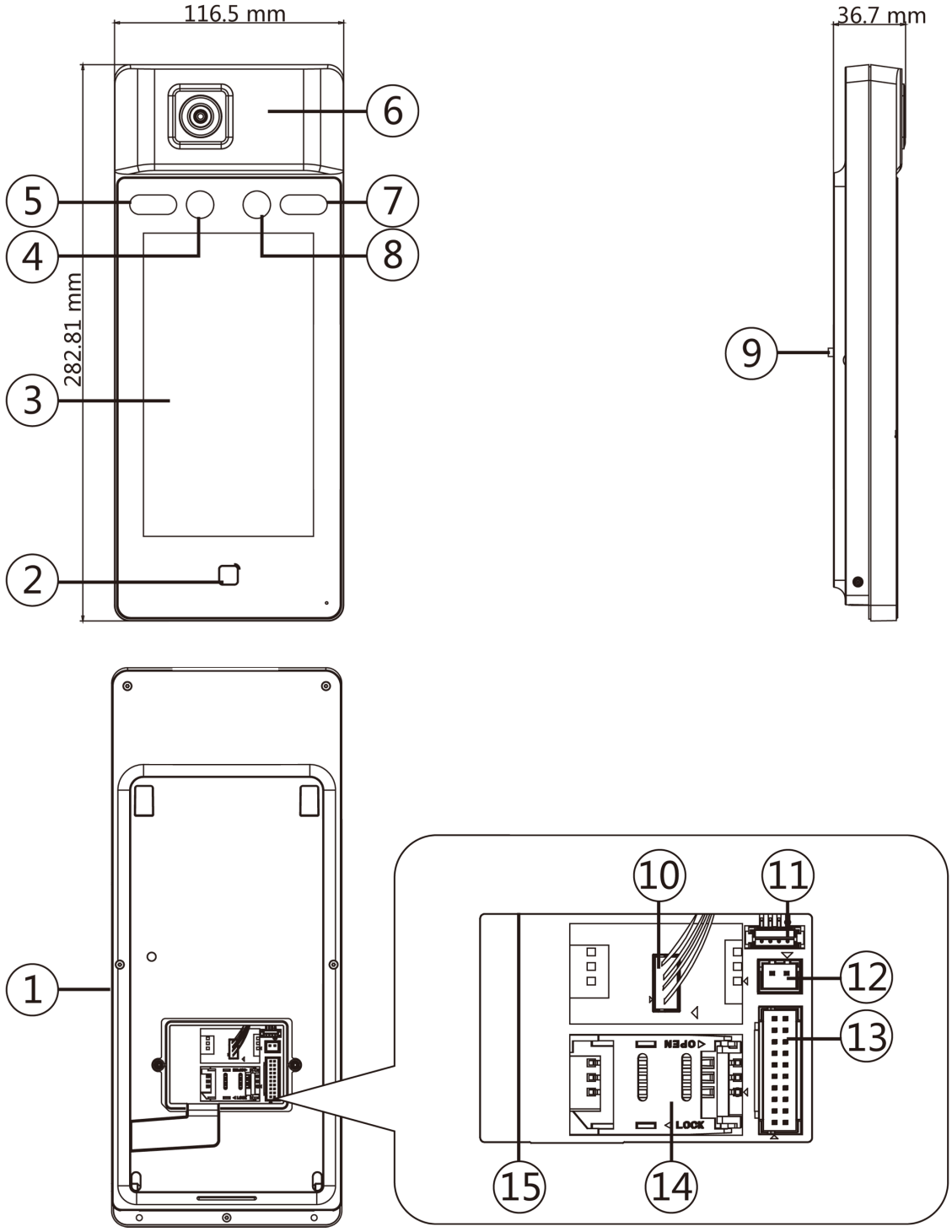


Figure 2-1 Face Recognition Terminal Diagram

Table 2-1 Description of Face Recognition Terminal

No.	Name
1	USB Interface
2	Card Swiping Area
3	Touch Screen
4	Camera
5	IR Light
6	Thermographic Module
7	IR Light
8	Camera
9	TAMPER
10	Thermographic Module Interface
11	Debugging Port
12	Power Interface
13	Wiring Terminals
14	PSAM Card Slot (Reserved)
15	Network Interface

Chapter 3 Installation

3.1 Installation Environment

- Avoid backlight, direct sunlight, and indirect sunlight.
- For better face recognition, there should be light source in or near the installation environment.
- Sunlight, wind, hot/cool air from air conditioner and other external factors, which may affect temperature, will create the deviation of the temperature measurement. In order to get an accurate result, make sure the device is applied indoors and windlessly (where is relatively isolated from the outdoors). The working temperature should keep between 10 °C and 35 °C. If there are no suitable environments for temperature measurement (the area faces the indoor and connects the outdoor, the area at the door of the indoor environment, etc.), building a temporary temperature measurement environment is suggested.
- Influence Factors of Temperature Measurement:
  Wind: The wind will take the heat away, which may affect the measurement result.
  Sweat: The sweat will take the heat away, which may affect the measurement result.
  Air Conditioner (Cool Air): If the indoor temperature is low, the temperature may also lower than the actual temperature, which may affect the measurement result.
  Air Conditioner (Heat) or Heating: If the indoor temperature is high, the temperature may also be higher than the actual temperature, which may affect the measurement result.
- In order to make the device work properly, you should wait for 90 min after the device is powered on.
- For details about installation environment, see ***Tips for Installation Environment*** .

3.2 Flush Mounting

Steps

1. Install a gang box.
2. Use 4 supplied screws (4_KA4 × 22-SUS) to secure the mounting plate on the gang box.
3. Remove the two screws on the rear panel and remove the sheet to display the wiring terminals.
4. Route the cable through the cable hole of the mounting plate, and connect to corresponding external devices' cables.
5. Install the sheet back to the device with the 2 screws.
6. Align the device with the mounting plate and hang the device on the mounting plate.

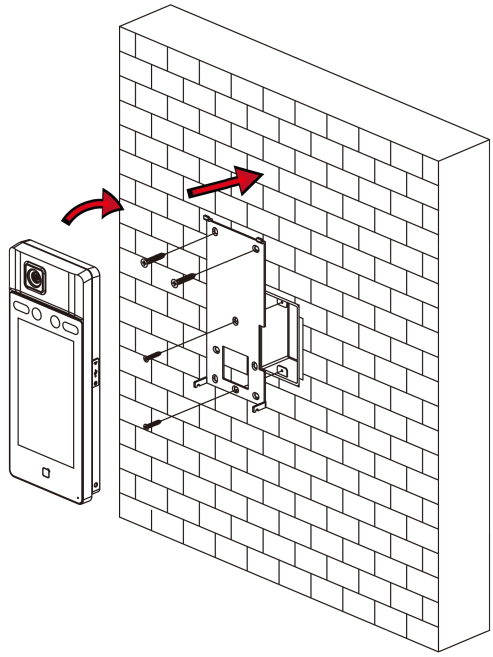


Figure 3-1 Install Device

7. Use 2 supplied M4 screws to secure the device and the mounting plate.

Note

When the screw's head is beneath the device surface, the device is secured.

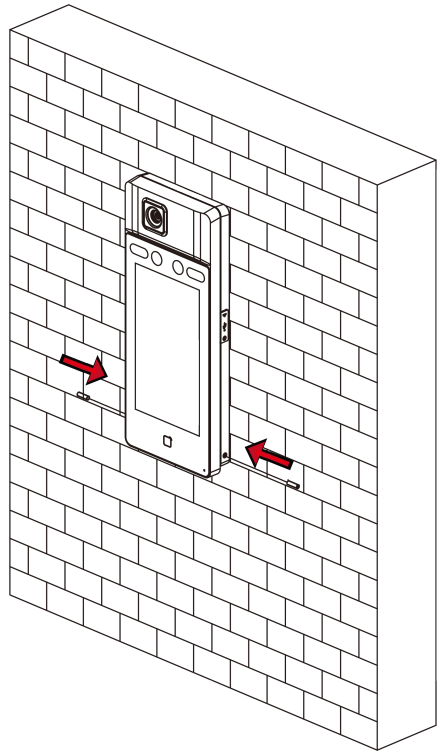


Figure 3-2 Secure Device

8. After installation, for the proper use of the device (outdoor use), stick the protection film (parts of models supplied) on the screen.

3.3 Surface Mounting

Steps

1. According to the datum line on the mounting template, stick the mounting template on the wall or other surface, 1.4 meters higher than the ground.

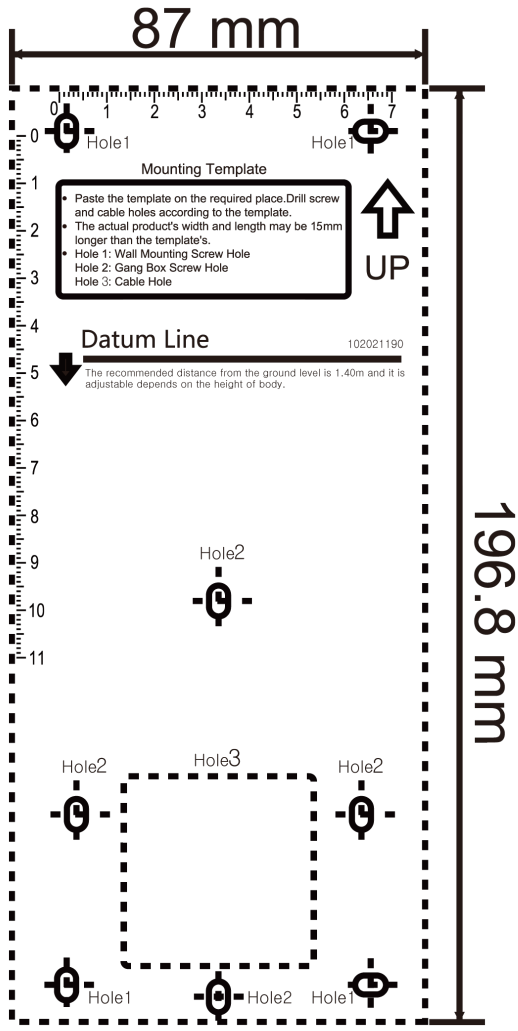


Figure 3-3 Mounting Template

2. Drill 4 holes on the wall or other surface according to the mounting template.

3. Insert the screw sockets of the setscrews in the drilled holes.

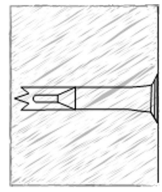


Figure 3-4 Insert Screw Socket

4. Align the 4 holes to the mounting plate with the drilled holes.

5. Remove the sheet indicated on the image below by using the flat tongs.

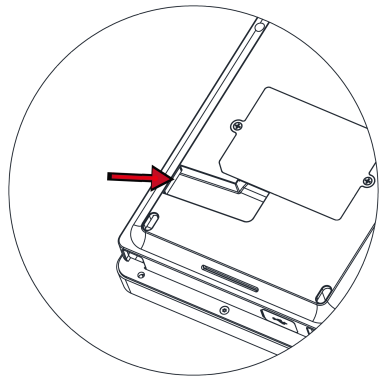


Figure 3-5 Remove Sheet

6. Remove the two screws on the rear panel and remove the sheet to display the wiring terminals.
7. Route the cable through the cable hole of the mounting plate, and connect to corresponding external devices' cables.
8. Install the sheet back to the device with the two screws.
9. Align the device with the mounting plate and hang the device on the mounting plate.

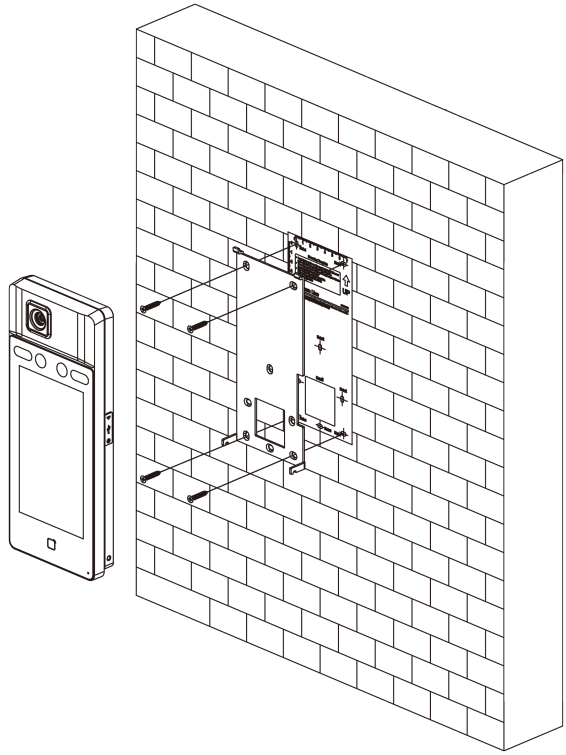


Figure 3-6 Install Device

10. Use 2 supplied M4 screws to secure the device and the mounting plate.

Note

When the screw's head is beneath the device surface, the device is secured.

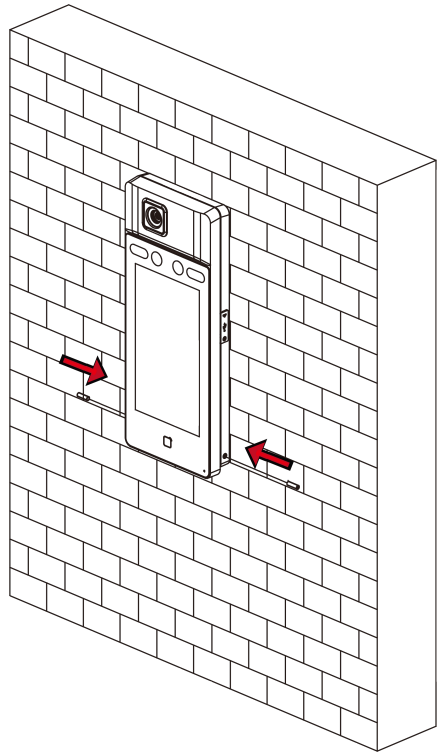


Figure 3-7 Secure Device

Note

- The installation height here is the recommended height. You can change it according to your actual needs.
- For easy installation, drill holes on mounting surface according to the supplied mounting template.

11. After installation, for the proper use of the device (outdoor use), stick the protection film (parts of models supplied) on the screen.

Chapter 4 Wiring

You can connect the RS-485 terminal with the RS-485 card reader, connect the NC and COM terminal with the door lock, connect the SENSOR terminal with the door contact, the BTN/GND terminal with the exit button, connect the alarm output and input terminal with the alarm output/ input devices, and connect the Wiegand terminal with the Wiegand card reader or the access controller.

If connect the WIEGAND terminal with the access controller, the face recognition terminal can transmit the authentication information to the access controller and the access controller can judge whether to open the door or not.

Note

- If cable size is 18 AWG, you should use a 12 V power supply. And the distance between the power supply and the device should be no more than 20 m.
- If the cable size is 15 AWG, you should use a 12 V power supply. And the distance between the power supply and the device should be no more than 30 m.
- If the cable size is 12 AWG, you should use a 12 V power supply. And the distance between the power supply and the device should be no more than 40 m.

4.1 Terminal Description

The terminals contains power input, alarm input, alarm output, RS-485, Wiegand output, and door lock.

The terminal's diagram is as follows:

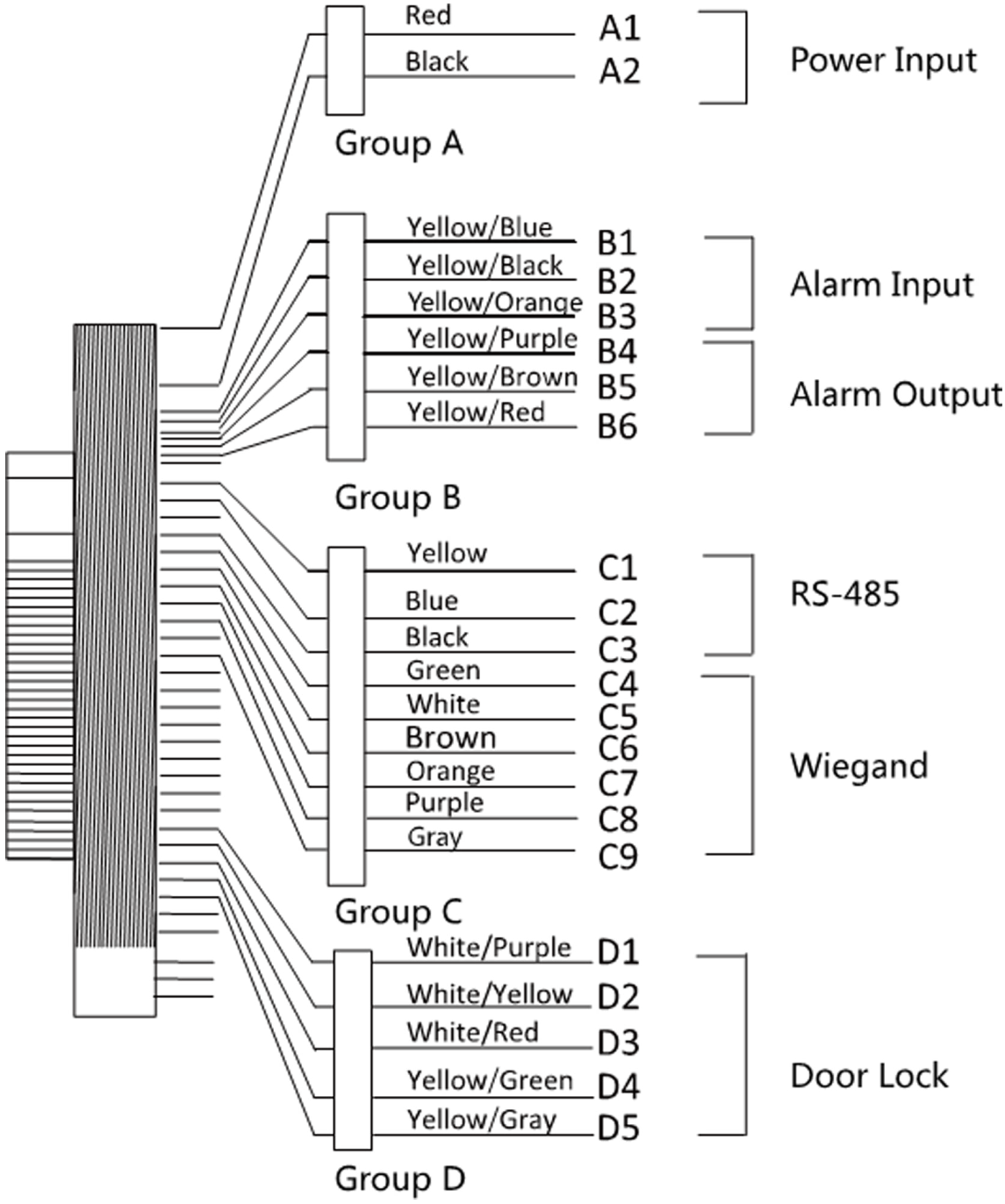


Figure 4-1 Terminal Diagram

The descriptions of the terminals are as follows:

Table 4-1 Terminal Descriptions

Group	No.	Function	Color	Name	Description
Group A	A1	Power Input	Red	+12 V	12 VDC Power Supply
	A2		Black	GND	Ground
Group B	B1	Alarm Input	Yellow/Blue	IN1	Alarm Input 1
	B2		Yellow/Black	GND	Ground
	B3		Yellow/Orange	IN2	Alarm Input 2
	B4	Alarm Output	Yellow/Purple	NC	Alarm Output Wiring
	B5		Yellow/Brown	COM	
	B6		Yellow/Red	NO	
Group C	C1	RS-485	Yellow	485+	RS-485 Wiring
	C2		Blue	485-	
	C3		Black	GND	Ground
	C4	Wiegand	Green	W0	Wiegand Wiring 0
	C5		White	W1	Wiegand Wiring 1
	C6		Brown	WG_OK	Wiegand Authenticated
	C7		Orange	WG_ERR	Wiegand Authentication Failed
	C8		Purple	BUZZER	Buzzer Wiring
	C9		Gray	TAMPER	Tampering Alarm Wiring
Group D	D1	Door Lock	White/Purple	NC	Lock Wiring (NC)
	D2		White/Yellow	COM	Common
	D3		White/Red	NO	Lock Wiring (NO)

Group	No.	Function	Color	Name	Description
	D4		Yellow/Green	SENSOR	Door Contact
	D5		Yellow/Gray	BTN	Exit Door Wiring

4.2 Wire Normal Device

You can connect the terminal with normal peripherals.

The wiring diagram without secure door control unit is as follows.

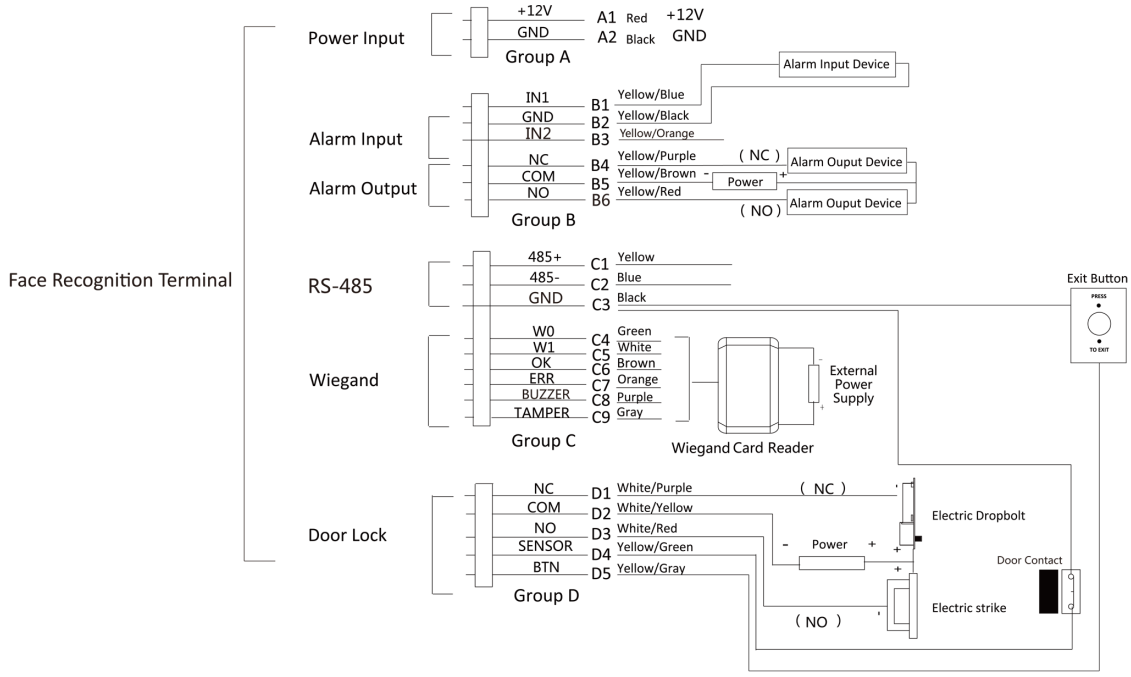


Figure 4-2 Device Wiring

Note

- You should set the face recognition terminal's Wiegand direction to "Input" to connect to a Wiegand card reader. If connects to an access controller, you should set the Wiegand direction to "Output" to transmit authentication information to the access controller.
- For details about Wiegand direction settings, see *Setting Wiegand Parameters* in *Communication Settings*.
- The power supply for the device should be 12 VDC/2 A. The suggested external power supply for door lock is 12 V, 1 A. The suggested external power supply for the Wiegand card reader is 12 V, 1A.

- The suggested power cable's diameter: 22 AWG. The suggested other cable's diameter: 26 AWG.
- Do not wire the device to the electric supply directly.

Warning

The face recognition terminal shall adapt an external listed Class 2 power supply with surge protected function.

4.3 Wire Secure Door Control Unit

You can connect the terminal with the secure door control unit.

The wiring diagram is as follows.

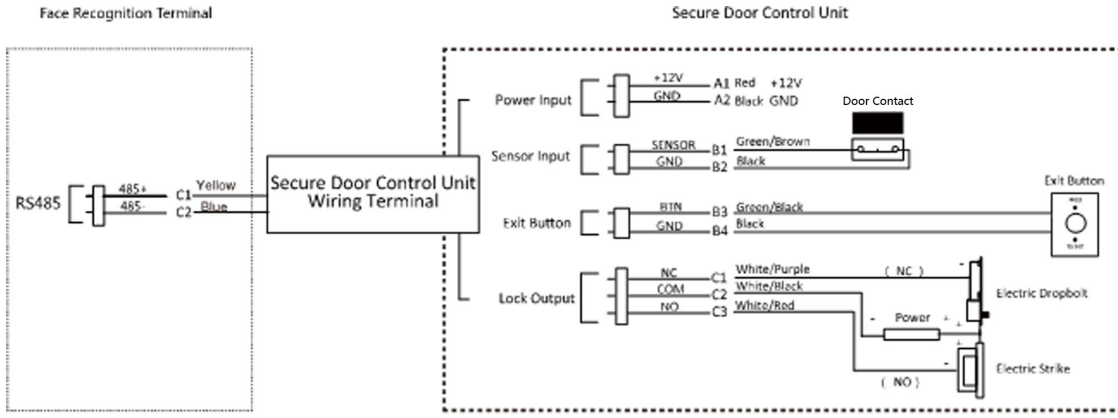


Figure 4-3 Secure Door Control Unit Wiring

Note

- The secure door control unit should connect to an external power supply separately. The suggested external power supply is 12V, 0.5A.
- For scenarios with high safety requirement, use the secure door control unit wiring first.
- You can ask the technical support to purchase for the secure door control unit separately.
- The picture here are parts of the wiring. For details, see the secure door control unit's user manual.

4.4 Wire Fire Module

4.4.1 Wiring Diagram of Door Open When Powering Off

Lock Type: Anode Lock, Magnetic Lock, and Electric Bolt (NO)

Security Type: Door Open When Powering Off

Scenario: Installed in Fire Engine Access

Type 1

Note

The fire system controls the power supply of the access control system.

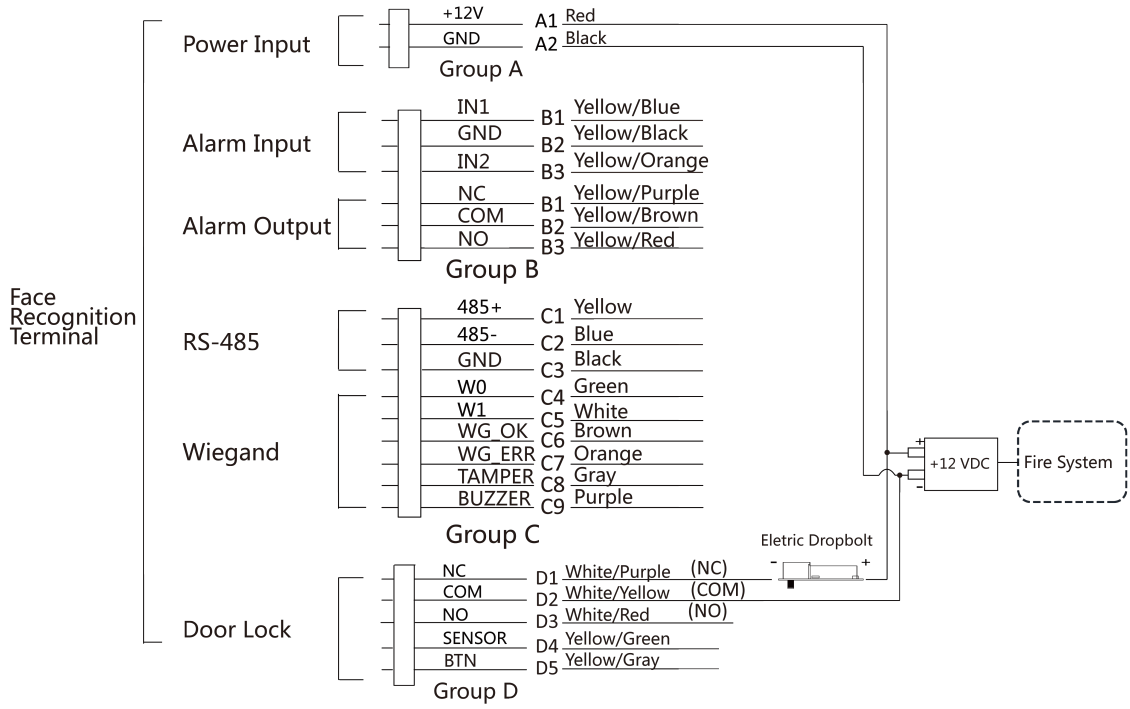


Figure 4-4 Wire Device

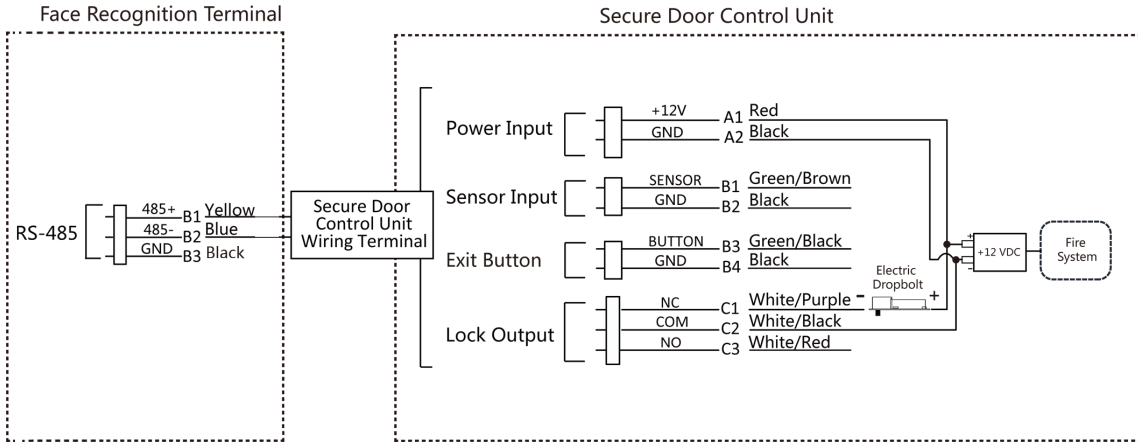


Figure 4-5 Wire Secure Door Control Unit

Type 2

Note

The fire system (NO and COM, normally open when powering off) is connected with the lock and the power supply in series. When an fire alarm is triggered, the door remains open. In normal times, NO and COM are closed.

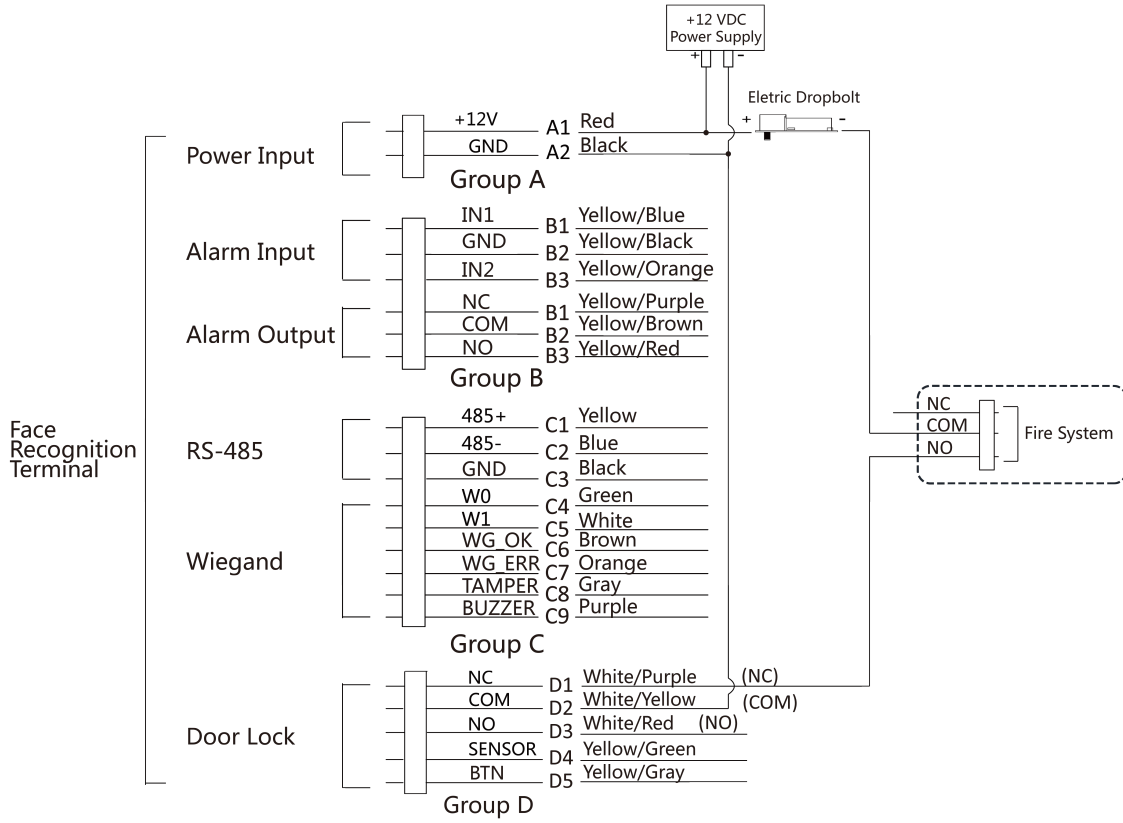


Figure 4-6 Wiring Device

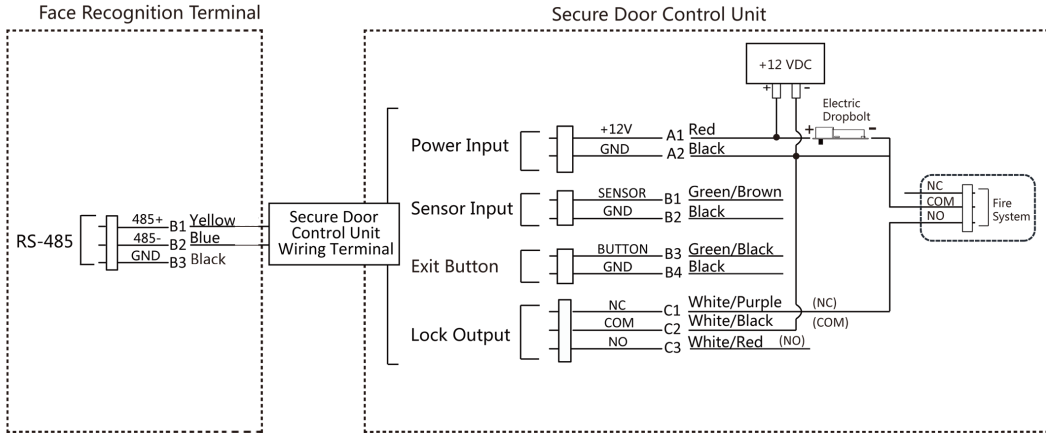


Figure 4-7 Wiring Secure Door Control Unit

4.4.2 Wiring Diagram of Door Locked When Powering Off

Lock Type: Cathode Lock, Electric Lock, and Electric Bolt (NC)

Security Type: Door Locked When Powering Off

Scenario: Installed in Entrance/Exit with Fire Linkage

Note

- The Uninterpretable Power Supply (UPS) is required.
- The fire system (NC and COM, normally closed when powering off) is connected with the lock and the power supply in series. When an fire alarm is triggered, the door remains open. In normal times, NC and COM are open.

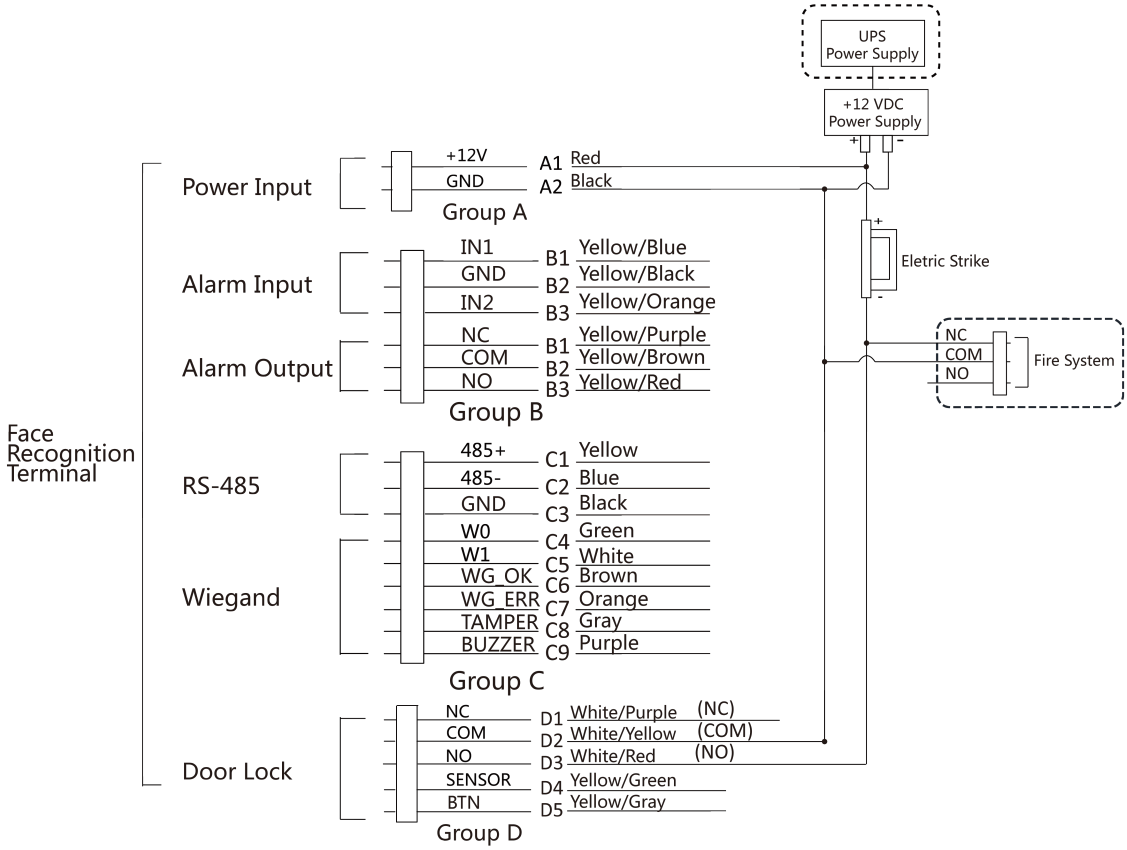


Figure 4-8 Device Wiring

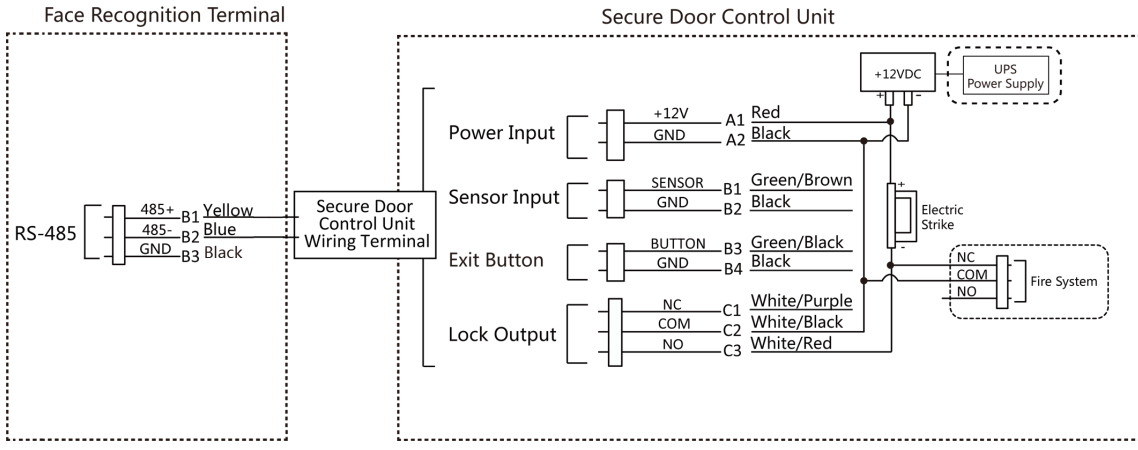


Figure 4-9 Wiring Diagram

Chapter 5 Activation

You should activate the device before the first login. After powering on the device, the system will switch to Device Activation page.

Activation via the device, SADP tool and the client software are supported.

The default values of the device are as follows:

- The default IP address: 192.0.0.64
- The default port No.: 8000
- The default user name: admin

5.1 Activate via Device

If the device is not activated, you can activate the device after it is powered on.

On the Activate Device page, create a password and confirm the password. Tap **Activate** and the device will activated.

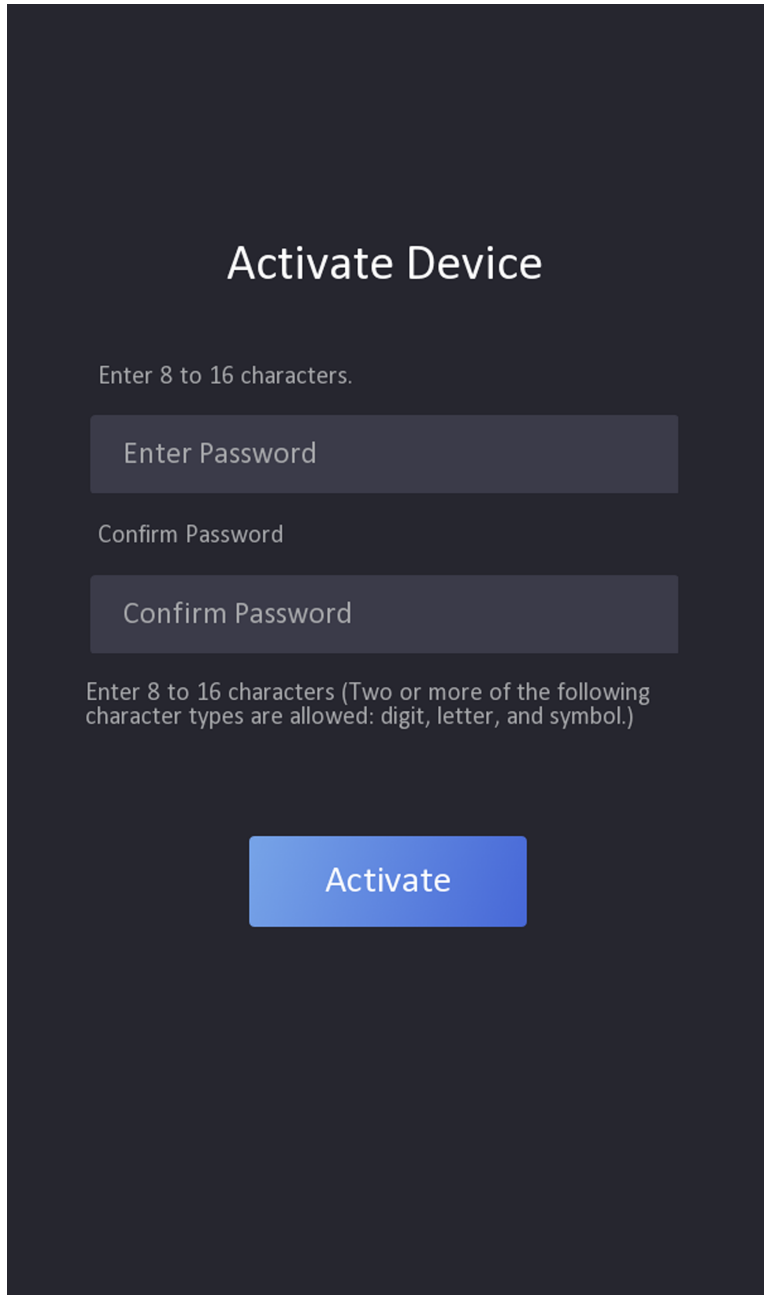


Figure 5-1 Activation Page

Caution

The password strength of the device can be automatically checked. We highly recommend you change the password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special

characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.
Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

Note

Characters containing admin and nimda are not supported to be set as activation password.

After activation, you should select language, set password change type, set application mode, set network, set platform parameters, set privacy parameters, and set administrator.

5.2 Activate via SADP

SADP is a tool to detect, activate and modify the IP address of the device over the LAN.

Before You Start

- Get the SADP software from the supplied disk or the official website ***http://www.hikvision.com/en/*** , and install the SADP according to the prompts.
- The device and the PC that runs the SADP tool should be within the same subnet.

The following steps show how to activate a device and modify its IP address. For batch activation and IP addresses modification, refer to *User Manual of SADP* for details.

Steps

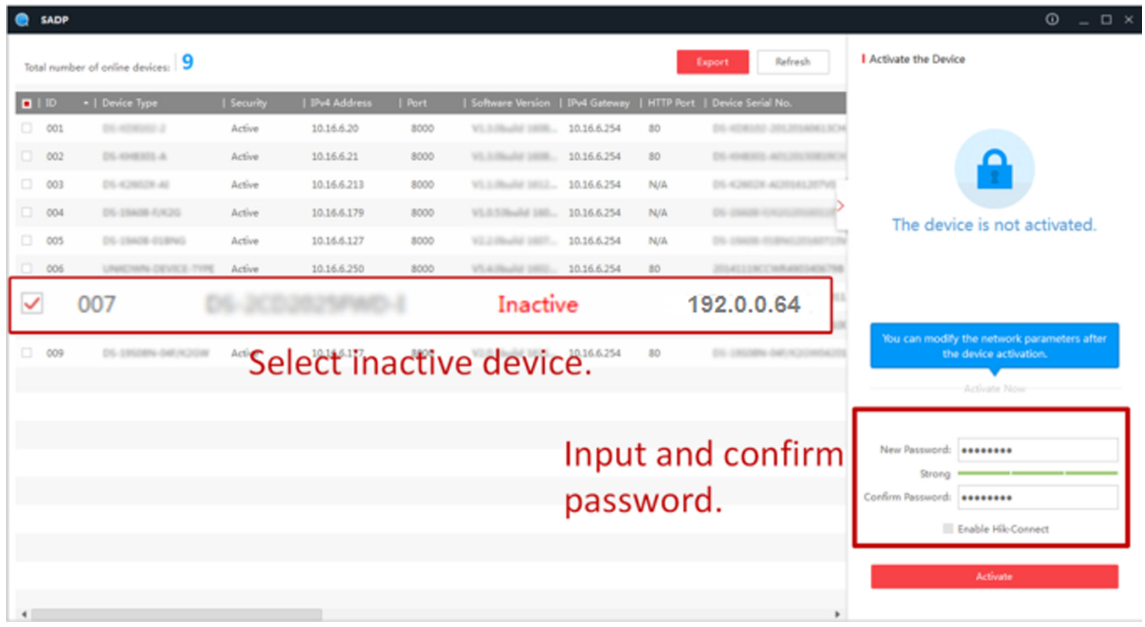
1. Run the SADP software and search the online devices.
2. Find and select your device in online device list.
3. Input new password (admin password) and confirm the password.

   Caution

   STRONG PASSWORD RECOMMENDED-We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

   Note

   Characters containing admin and nimda are not supported to be set as activation password.
4. Click **Activate** to start activation.



Status of the device becomes **Active** after successful activation.

5. Modify IP address of the device.
   1) Select the device.
   2) Change the device IP address to the same subnet as your computer by either modifying the IP address manually or checking **Enable DHCP**.
   3) Input the admin password and click **Modify** to activate your IP address modification.

5.3 Activate Device via Client Software

For some devices, you are required to create the password to activate them before they can be added to the software and work properly.

Steps

Note

This function should be supported by the device.

1. Enter the Device Management page.
2. Click on the right of **Device Management** and select **Device**.
3. Click **Online Device** to show the online device area.

   The searched online devices are displayed in the list.
4. Check the device status (shown on **Security Level** column) and select an inactive device.
5. Click **Activate** to open the Activation dialog.
6. Create a password in the password field, and confirm the password.

Caution

The password strength of the device can be automatically checked. We highly recommend you change the password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.
Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

Note

Characters containing admin and nimda are not supported to be set as activation password.

7. Click **OK** to activate the device.

5.4 Activate via Web Browser

You can activate the device via the web browser.

Steps

1. Enter the device default IP address (192.0.0.64) in the address bar of the web browser, and press **Enter**.

Note

Make sure the device IP address and the computer's should be in the same IP segment.

2. Create a new password (admin password) and confirm the password.

Caution

STRONG PASSWORD RECOMMENDED-We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

Note

Characters containing admin and nimda are not supported to be set as activation password.

3. Click **Activate**.
4. Edit the device IP address. You can edit the IP address via the SADP tool, the device, and the client software.

Chapter 6 Quick Operation

6.1 Select Language

You can select a language for the device system.

After the device activation, you can select a language for the device system.

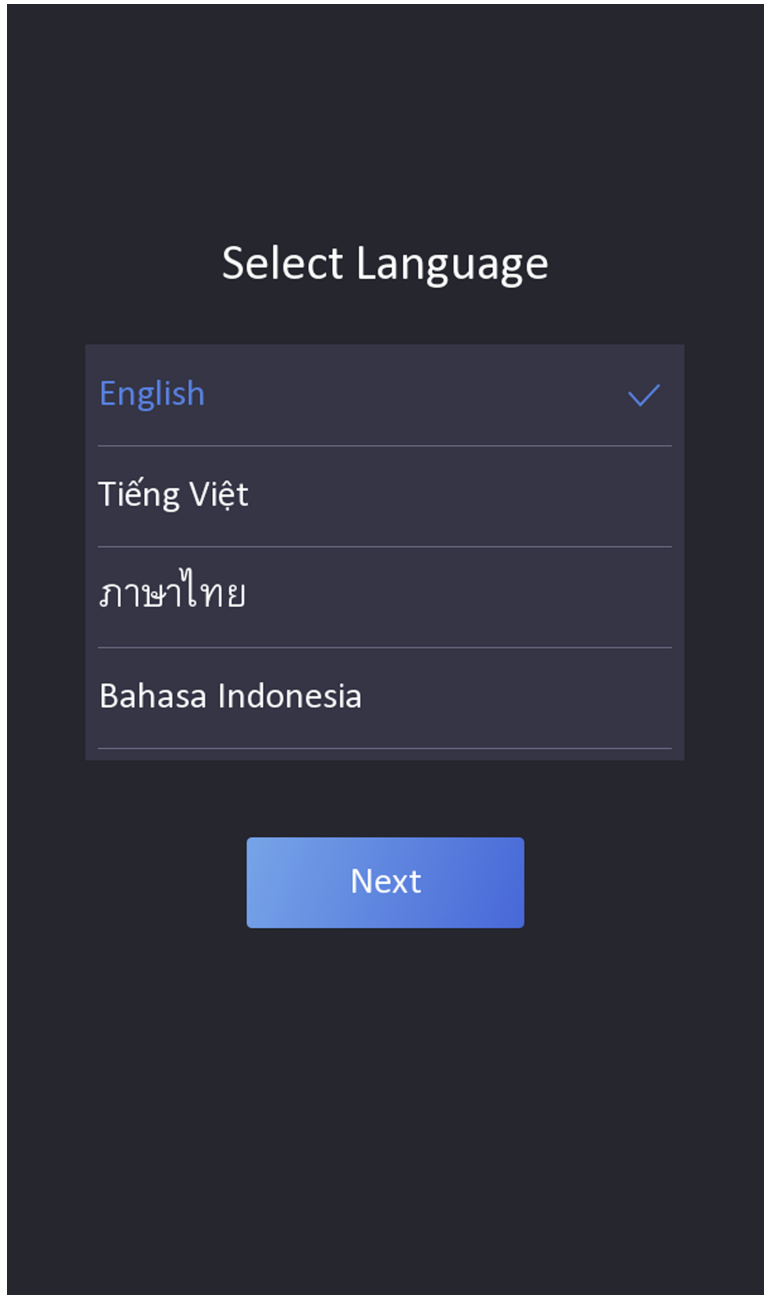


Figure 6-1 Select System Language

By default, the system language is English.

6.2 Set Password Change Type

After activating the device, you can set the password change type as reserved email address or security questions. Once you forgot the device password, you can change the password via the selected change type.

Change Password via Email Address

If you need to change password via reserved email, you can enter an email address, and tap **Next**.

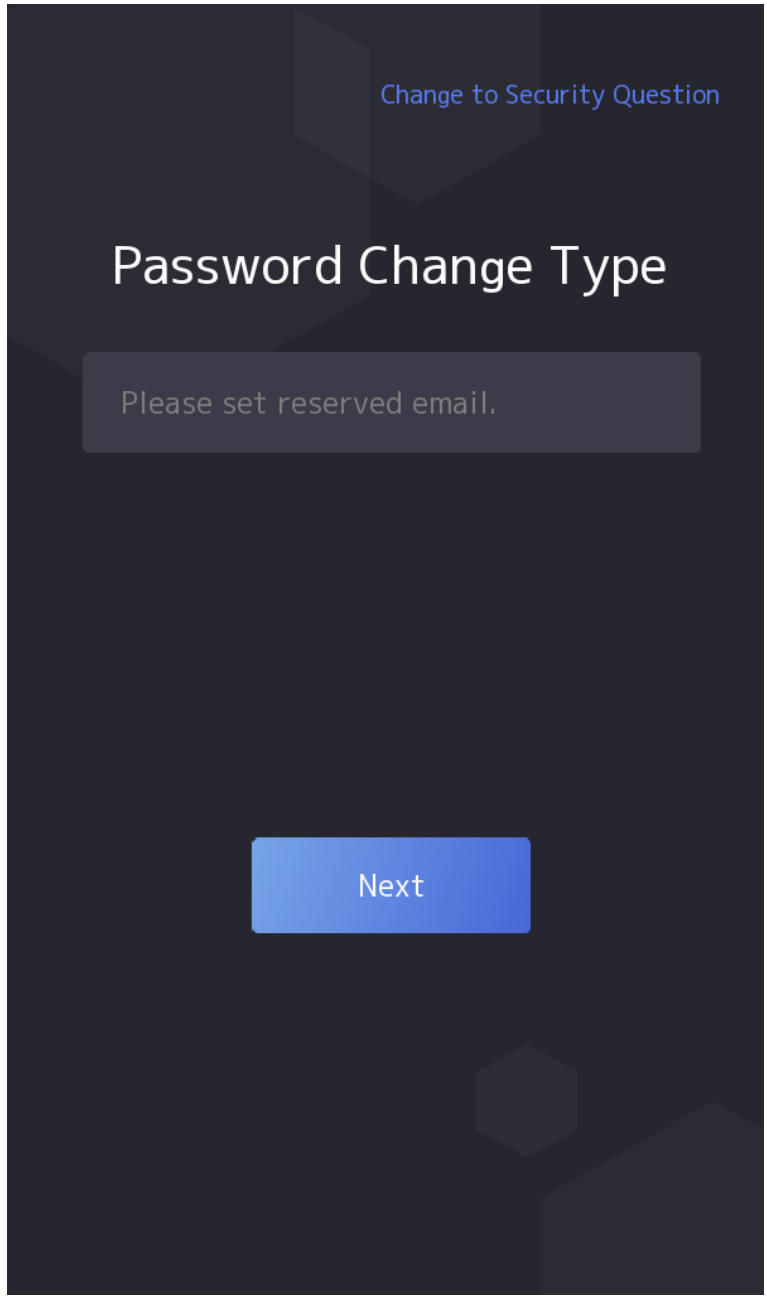


Figure 6-2 Password Change Page

Change via Security Questions

If you need to change password via security questions, you can tap **Change to Security Questions** on the right corner. Select the security questions and enter the answers. Click **Next**.

Note

You can only select one type to change password. If you need, you can enter the web page to set both of the changing types.

6.3 Set Network Parameters

You can set the network for the device.

Steps

Note

Parts of the device models supports wi-fi function. Refers to the actual device for details.

1. When you enter the Select Network page, tap **Wired Network** or **Wi-Fi** for your actual needs.

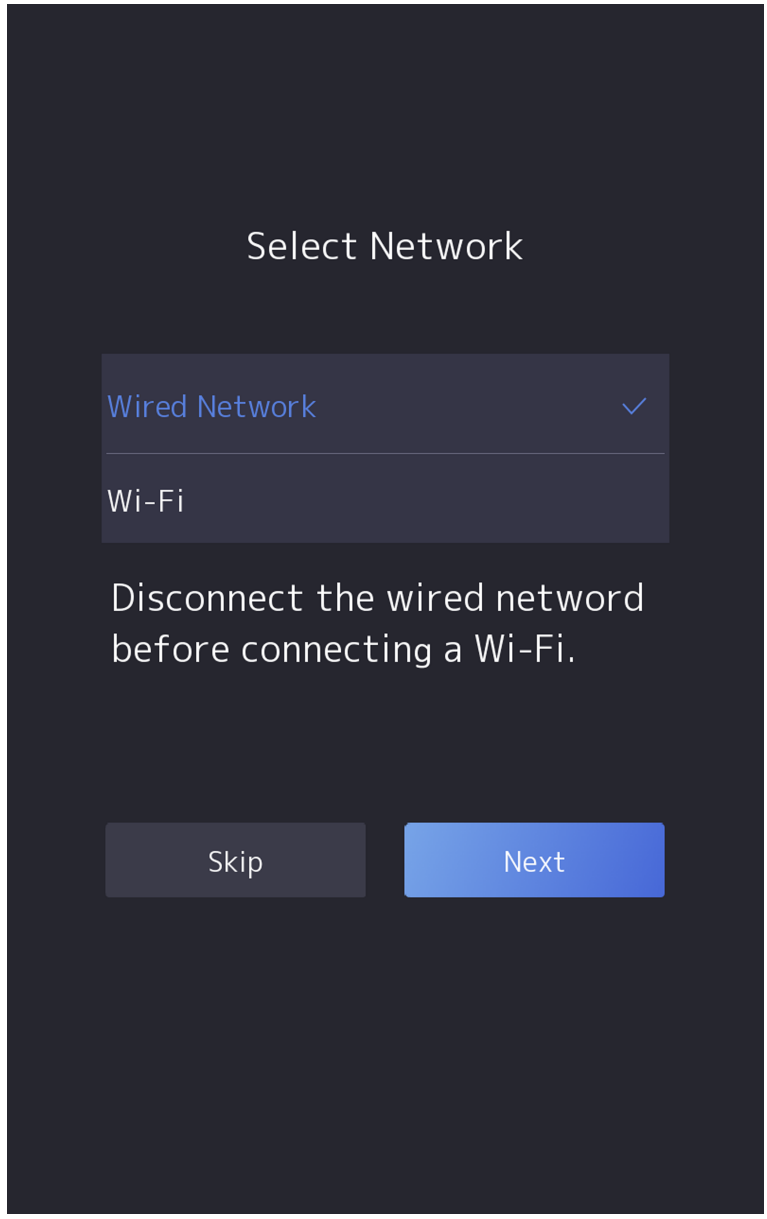


Figure 6-3 Select Network

Note

Disconnect the wired network before connecting a Wi-Fi.

2. Tap **Next**.

Wired Network

Note

Make sure the device has connected to a network.

If enable **DHCP**, the system will assign the IP address and other parameters automatically.

If disable **DHCP**, you should set the IP address, the subnet mask, and the gateway.

Note

IP address of 192.168.1.64, and 192.168.1.7 are not suggested to use.

Wi-Fi

Select a Wi-Fi and enter the Wi-Fi's password to get connected.

Or tap **Add Wi-Fi** and enter the Wi-Fi's name and the password to get connected.

3. **Optional:** Tap **Skip** to skip network settings.

6.4 Access to Platform

Enable the function and the device can communicate via Hik-Connect. You can add the device to Hik-Connect mobile client and so on.

Steps

Note

Parts of the device models supports function. Refers to the actual device for details.

1. Enable **Access to Hik-Connect**, and set the server IP and verification code.

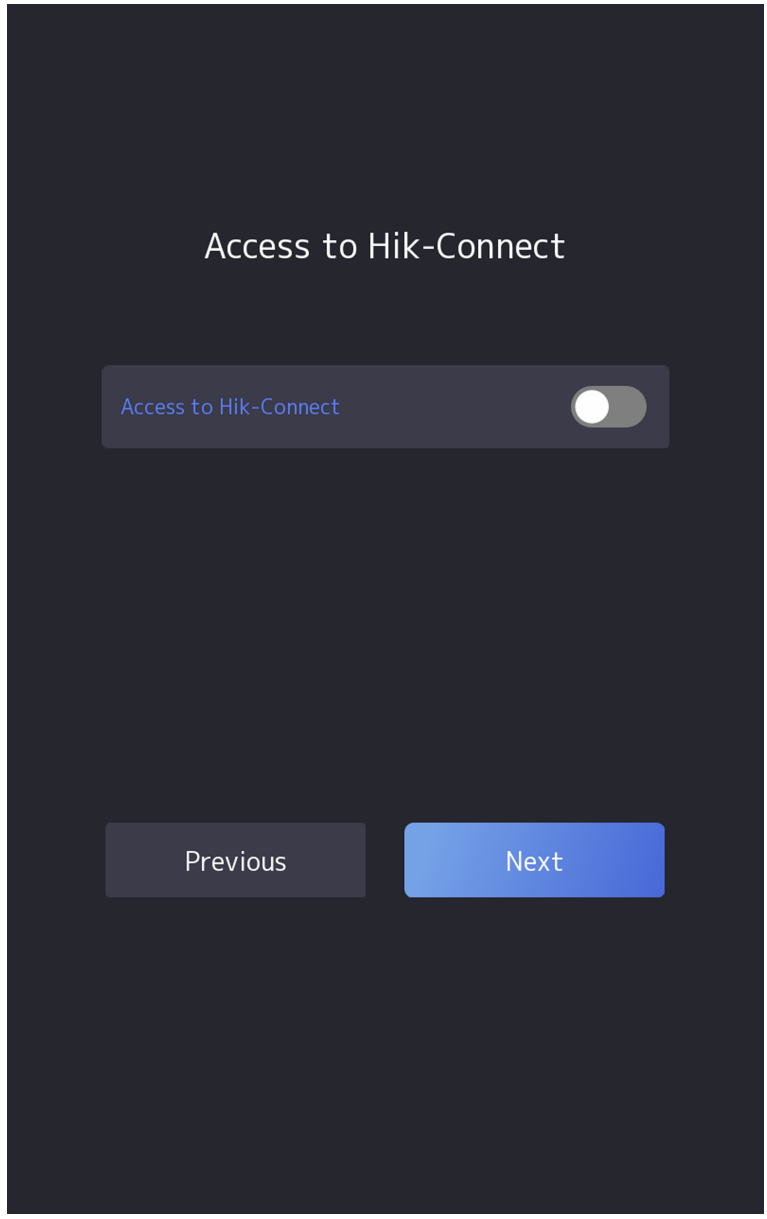


Figure 6-4 Access to Hik-Connect

2. Tap **Next**.
3. **Optional:** Tap **Skip** to skip the step.
4. **Optional:** Tap **Previous** to go to the previous page.

Note

If you tap **Previous** to return to the Wi-Fi configuration page, you need to tap the connected Wi-Fi or connect another Wi-Fi to enter the platform page again.

6.5 Privacy Settings

After activation, selecting application mode, and selecting network, you should set the privacy parameters, including the picture uploading and storage.

Select parameters according to your actual needs.

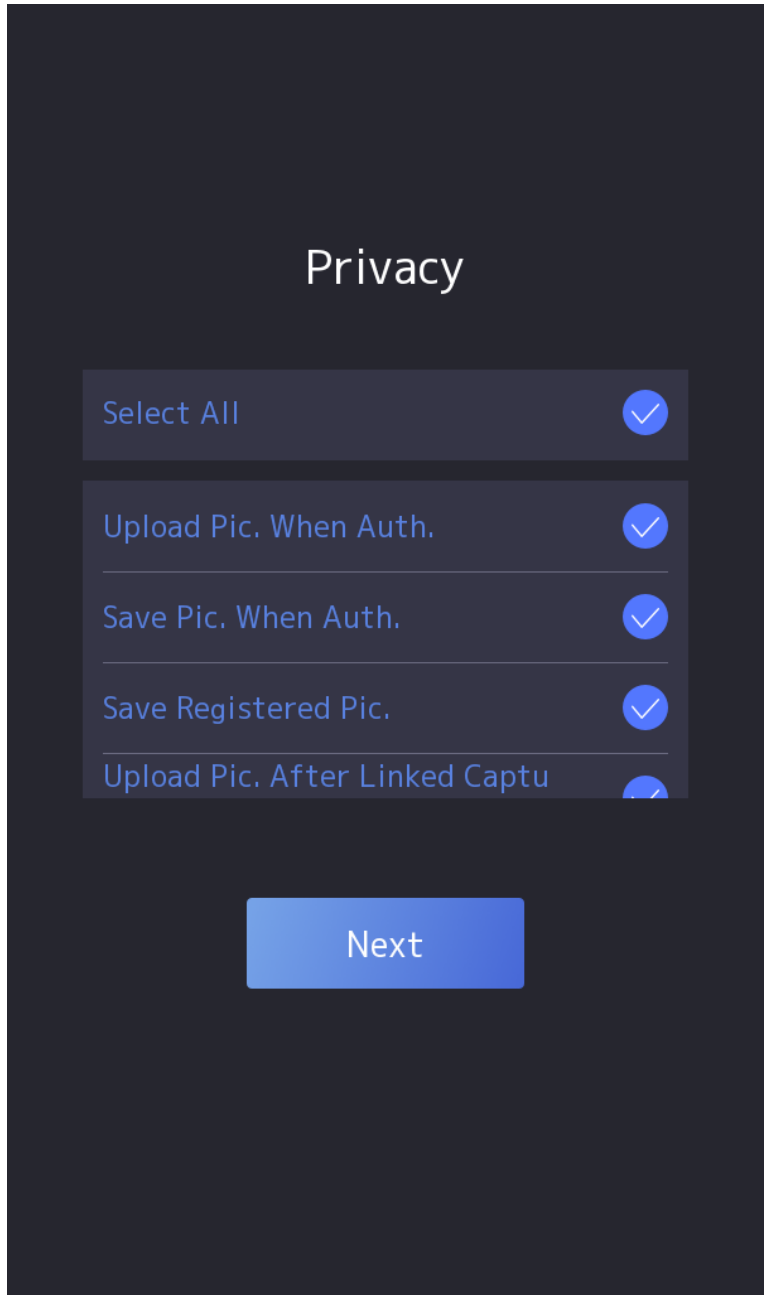


Figure 6-5 Privacy

Upload Captured Pic. When Auth. (Upload Captured Picture When Authenticating)

Upload the pictures captured when authenticating to the platform automatically.

Save Captured Pic. When Auth. (Save Captured Picture When Authenticating)

If you enable this function, you can save the picture when Authenticating to the device.

Save Registered Pic. (Save Registered Picture)

The registered face picture will be saved to the system if you enable the function.

Upload Pic. After Linked Capture (Upload Picture After Linked Capture)

Upload the pictures captured by linked camera to the platform automatically.

Save Pic. After Linked Capture (Save Pictures After Linked Capture)

If you enable this function, you can save the picture captured by linked camera to the device.

Tap **Next** to complete the settings.

6.6 Set Administrator

After device activation, you can add an administrator to manage the device parameters.

Before You Start

Activate the device and select an application mode.

Steps

1. **Optional:** Tap **Skip** to skip adding administrator if required.
2. Enter the administrator's name (optional) and tap **Next**.

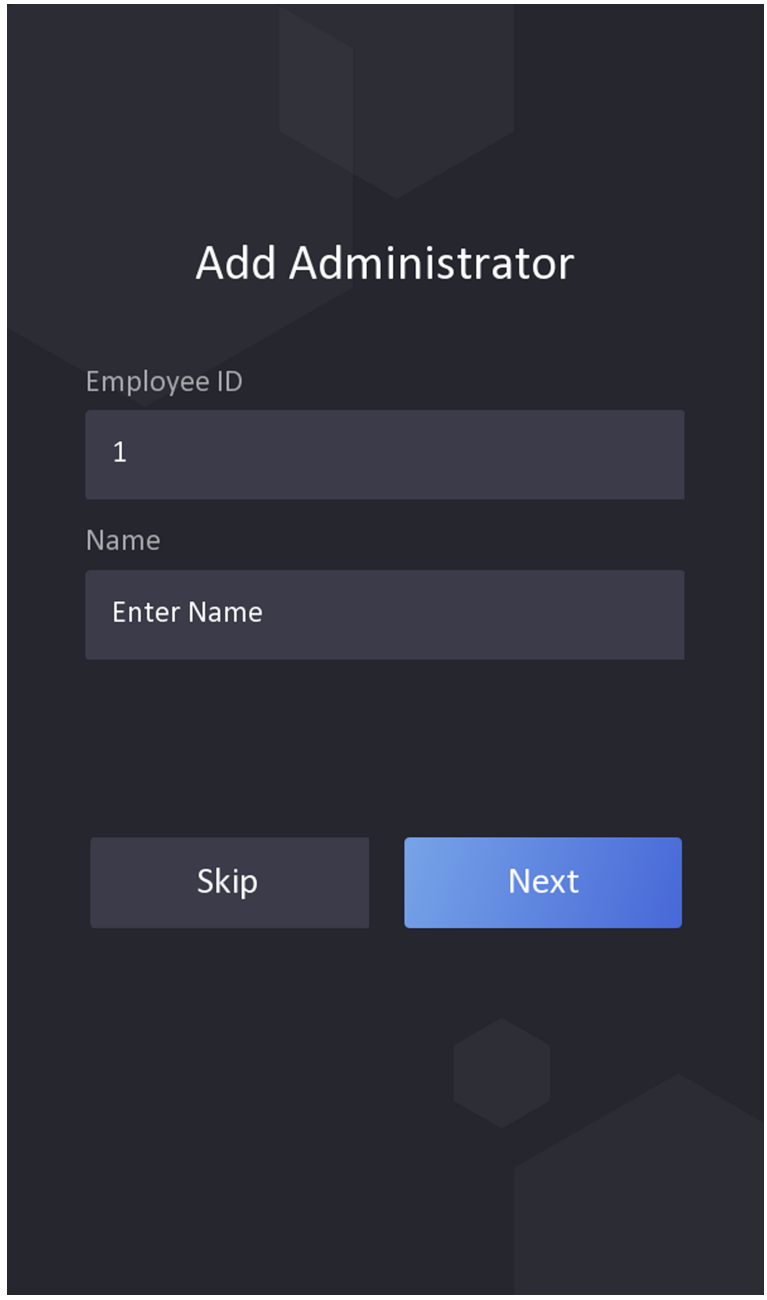


Figure 6-6 Add Administrator Page

3. Select a credential to add.

Note

Up to one credential should be added.

- : Face forward at the camera. Make sure the face is in the face recognition area. Click to capture and click to confirm.

- : Enter the card No. or present card on the card presenting area. Click **OK**.

4. Click **OK**.

You will enter the authentication page.

Status Icon Description

/

Device is armed/not armed.

/

Hik-Connect is enabled/disabled.

/ /

The device wired network is connected/not connected/connecting failed.

/ /

The device' Wi-Fi is enabled and connected/not connected/enabled but not connected.

Shortcut Keys Description

Note

You can configure those shortcut keys displayed on the screen. For details, see ***Basic Settings*** .

- Enter the device room No. and tap **OK** to call.
- Tap to call the center.

Note

The device should be added to the center, or the calling operation will be failed.

Enter password to authenticate.

Chapter 7 Basic Operation

7.1 Login

Login the device to set the device basic parameters.

7.1.1 Login by Administrator

If you have added an administrator for the device, only the administrator can login the device for device operation.

Steps

1. Long tap on the initial page for 3 s and slide to the left/right by following the gesture to enter the admin login page.

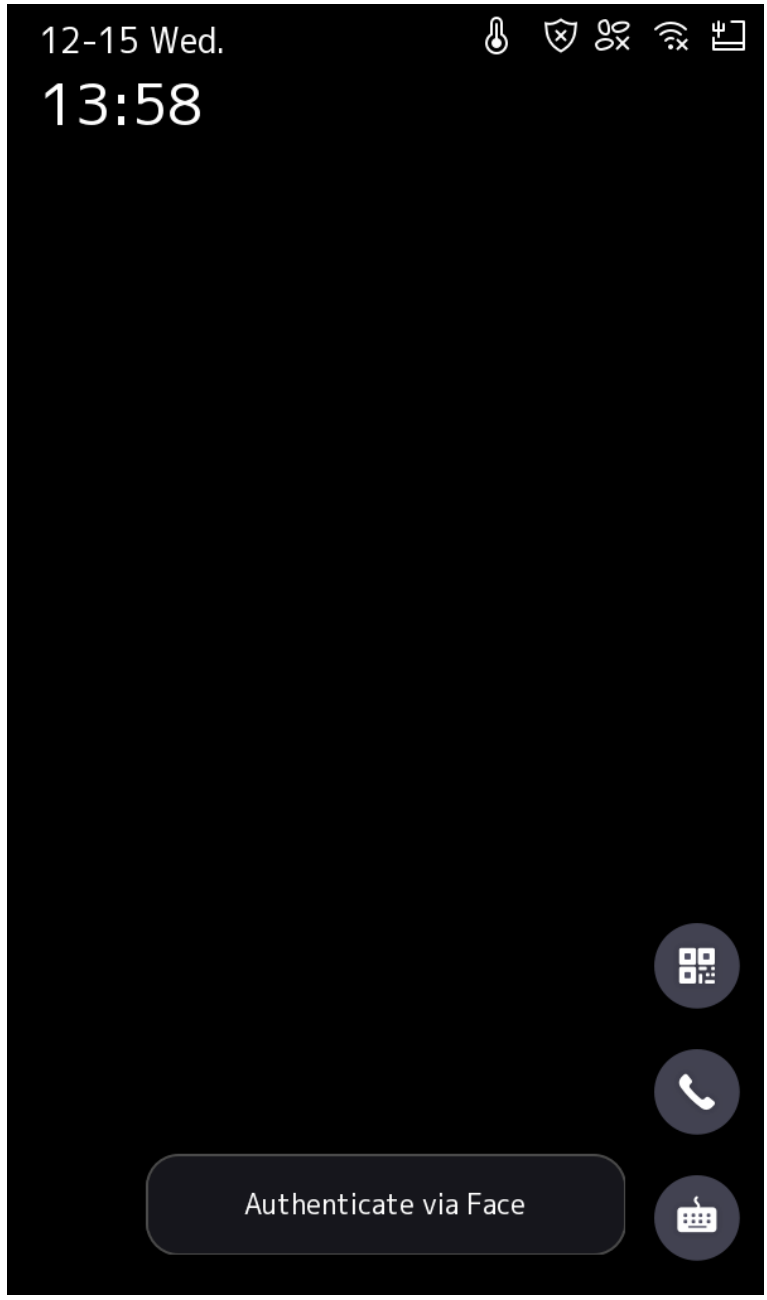


Figure 7-1 Admin Login

2. Authenticate the administrator's face or card to enter the home page.

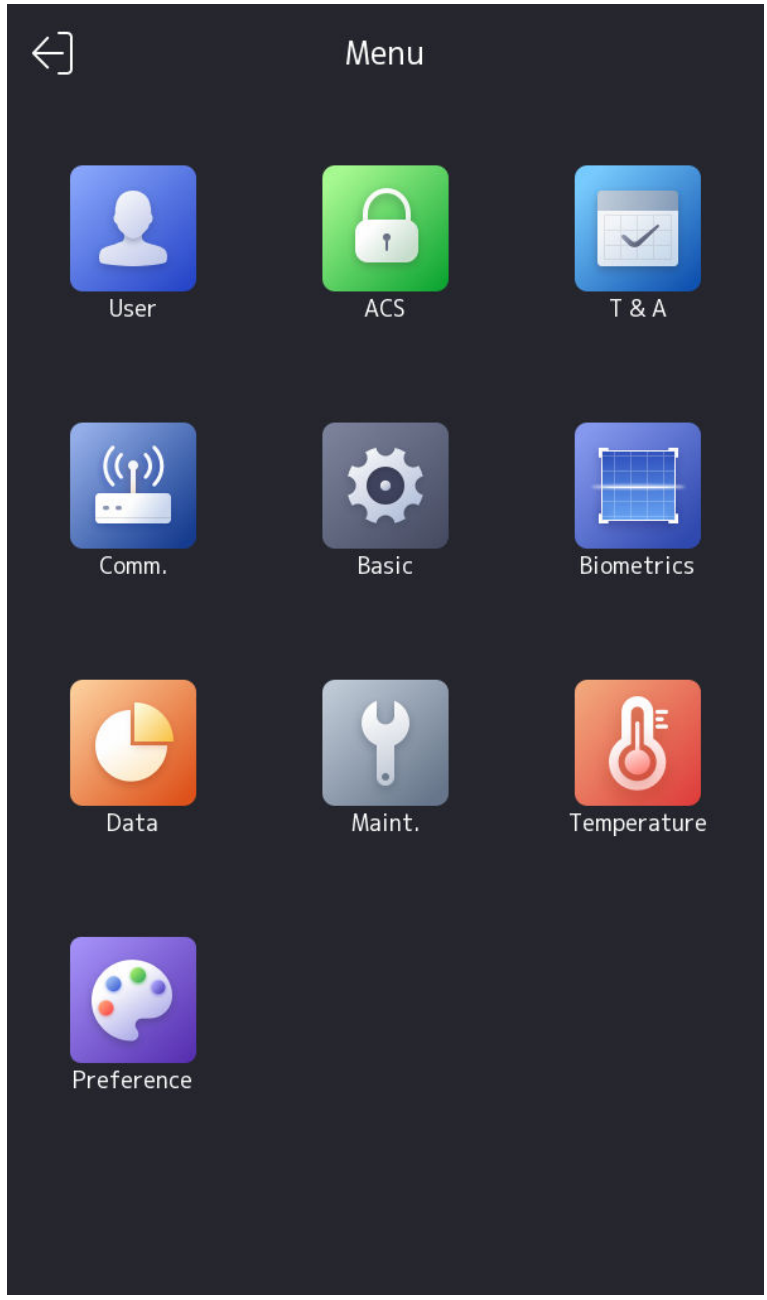


Figure 7-2 Home Page

Note

The device will be locked for 30 minutes after 5 failed attempts.

3. **Optional:** Tap and you can enter the device activation password for login.
4. **Optional:** Tap and you can exit the admin login page.

7.1.2 Login by Activation Password

You should login the system before other device operations. If you do not configure an administrator, you should follow the instructions below to login.

Steps

1. Long tap on the initial page for 3 s and slide to the left/right by following the gesture to enter password entering page.
2. Tap the Password field and enter the device activation password.
3. Tap **OK** to enter the home page.

Note

The device will be locked for 30 minutes after 5 failed password attempts.

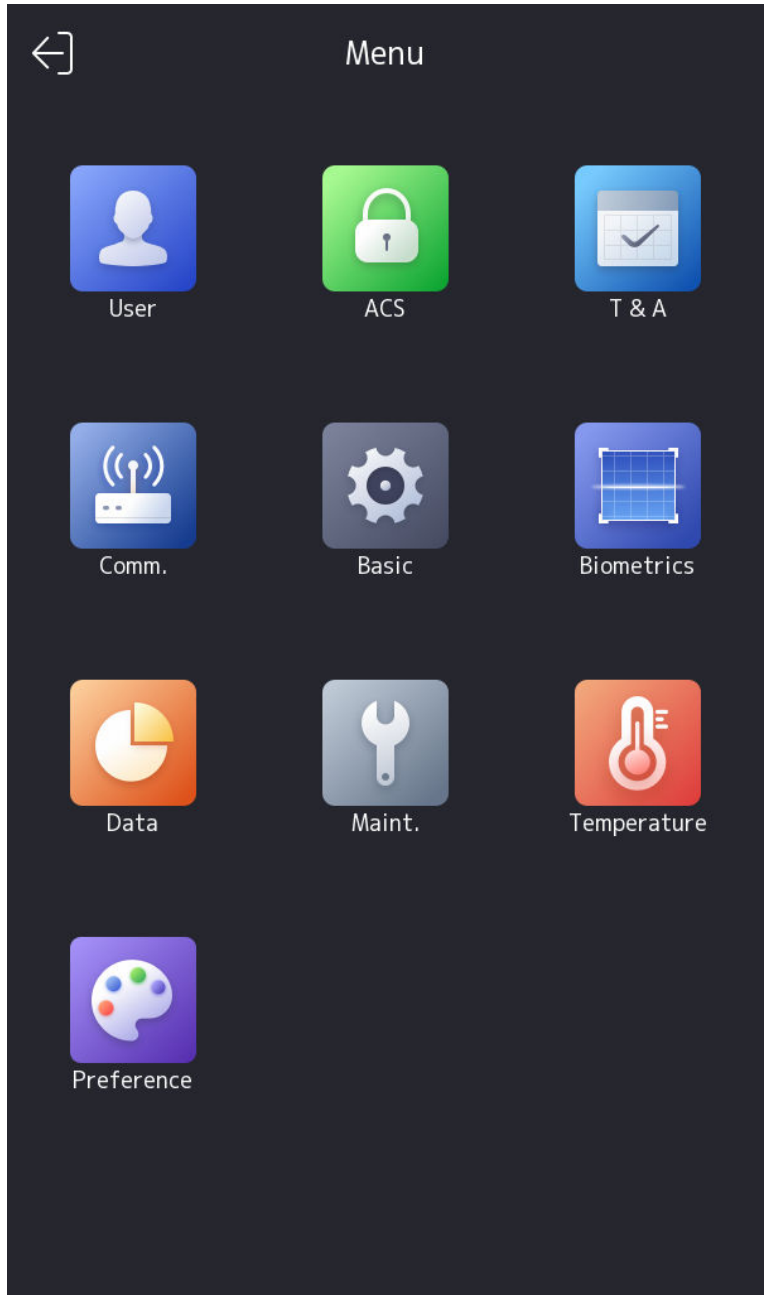


Figure 7-3 Home Page

7.1.3 Forgot Password

If you forget the password during authentication, you can change the password.

Steps

1. Hold the initial page for 3 s and slide to the left/right by following the gesture and log in the page.
2. **Optional:** If you have set an administrator, tap in the pop-up admin authentication page.

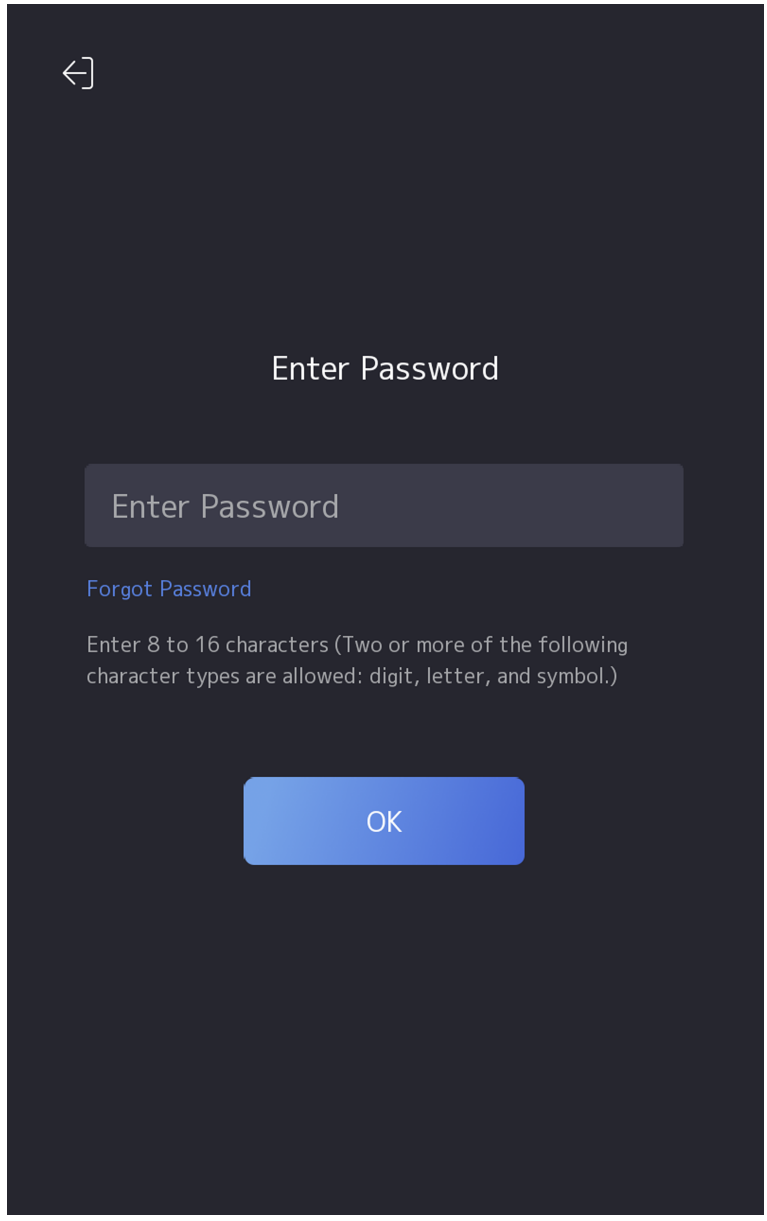


Figure 7-4 Password Authentication Page

3. Tap **Forgot Password**.
4. Select a password change type from the list.

Note

If you have only set 1 password change type, you will go to the corresponded password change page for further settings.

5. Answer the security questions or change the password according to email address.
   - Security Questions: Answer the security questions that configured when activation.
   - Email Address

   Note

   Make sure the device has added to the Hik-Connect account.

   a. Download Hik-Connect app.
   b. Go to **More → Reset Device Password** .
   c. Scan the QR code on the device and a verification code will be popped up.

      Note

      Tap the QR code to get a larger picture.

   d. Enter the verification code on the device page.
6. Create a new password and confirm it.
7. Tap **OK**.

7.2 Communication Settings

You can set the network parameters, the RS-485 parameters, and the Wiegand parameters on the communication settings page.

7.2.1 Set Wired Network Parameters

You can set the device wired network parameters, including the IP address, the subnet mask, the gateway, and DNS parameters.

Steps

1. Tap **Comm.** (Communication Settings) on the Home page to enter the Communication Settings page.
2. On the Communication Settings page, tap **Wired Network**.

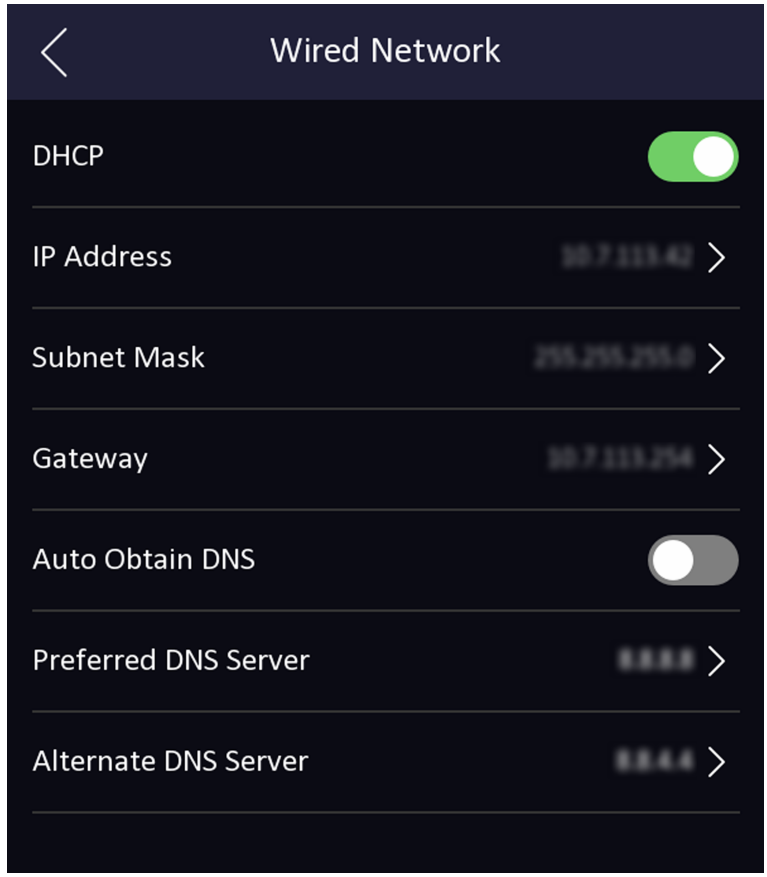


Figure 7-5 Wired Network Settings

3. Set IP Address, Subnet Mask, and Gateway.
   - Enable **DHCP**, and the system will assign IP address, subnet mask, and gateway automatically.
   - Disable **DHCP**, and you should set the IP address, subnet mask, and gateway manually.

   Note
   - The device's IP address and the computer IP address should be in the same IP segment.
   - IP address of 192.168.1.64, and 192.168.1.7 are not suggested to use.
4. Set the DNS parameters. You can enable **Auto Obtain DNS**, set the preferred DNS server and the alternate DNS server.

7.2.2 Set Wi-Fi Parameters

You can enable the Wi-Fi function and set the Wi-Fi related parameters.

Steps

Note

The function should be supported by the device.

1. Tap **Comm.** (Communication Settings) on the Home page to enter the Communication Settings page.
2. On the Communication Settings page, tap.

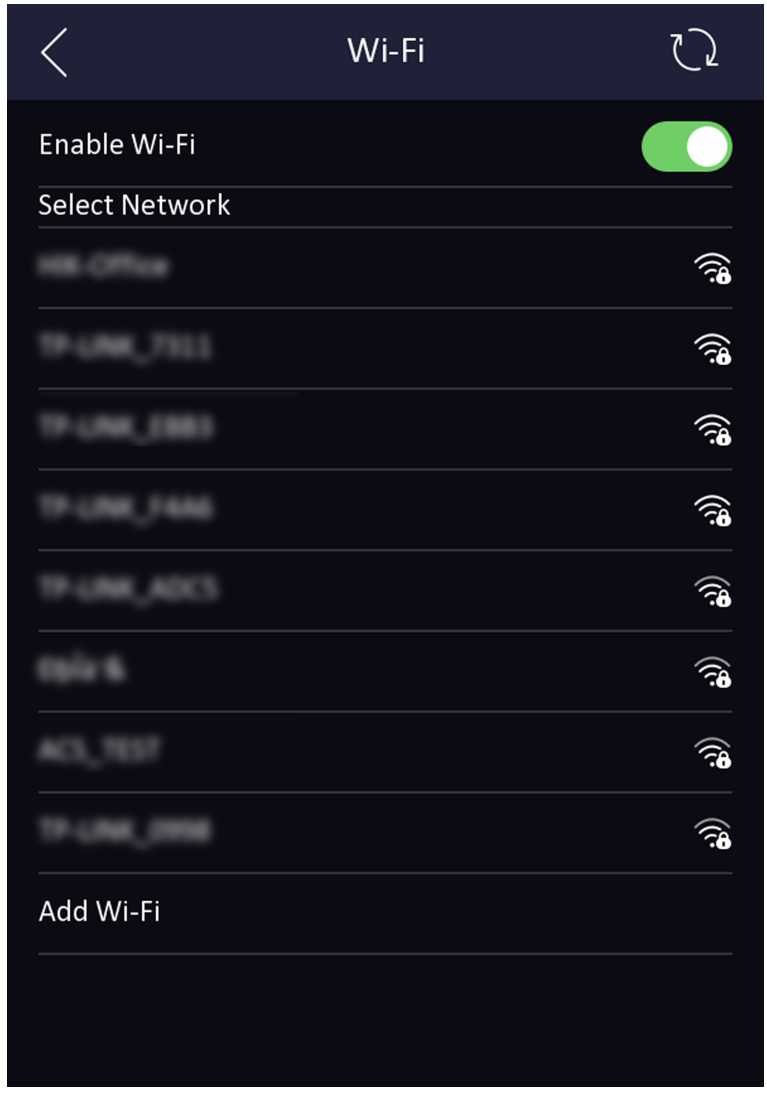


Figure 7-6 Wi-Fi Settings

3. Enable the Wi-Fi function.
4. Configure the Wi-Fi parameters.
   - Select a Wi-Fi from the list, and enter the Wi-Fi's password. Tap **OK**.
   - If the target Wi-Fi is not in the list,tap **Add Wi-Fi**. Enter the Wi-Fi's name and password. And tap **OK**.

Note

Only digits, letters, and special characters are allowed in the password.

5. Set the Wi-Fi's parameters.
   - By default, DHCP is enable. The system will allocate the IP address, the subnet mask, and the gateway automatically.
   - If disable DHCP, you should enter the IP address, the subnet mask, and the gateway manually.
6. Tap **OK** to save the settings and go back to the Wi-Fi tab.
7. Tap ✓ to save the network parameters.

7.2.3 Set RS-485 Parameters

The face recognition terminal can connect external access controller, secure door control unit or card reader via the RS-485 terminal.

Steps

1. Tap **Comm.** (Communication Settings) on the Home page to enter the Communication Settings page.
2. On the Communication Settings page, tap **RS-485** to enter the RS-485 tab.

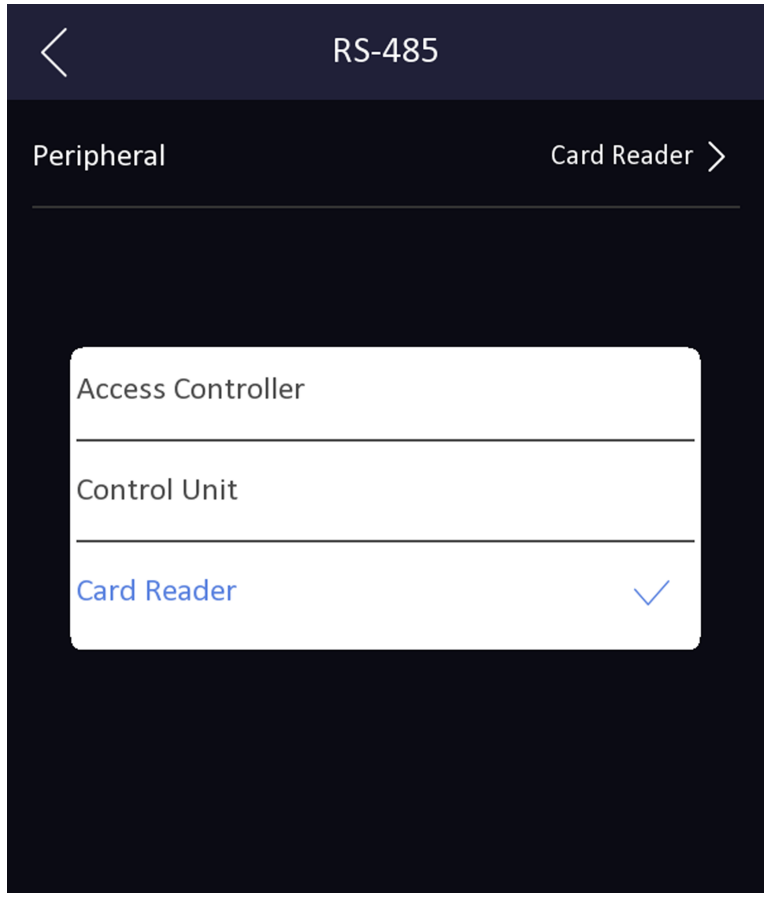


Figure 7-7 Set RS-485 Parameters

3. Select an peripheral type according to your actual needs.

Note

If you select **Access Controller**: If connect the device to a terminal via the RS-485 interface, set the RS-485 address as 2. If you connect the device to a controller, set the RS-485 address according to the door No.

4. Tap the back icon at the upper left corner and you should reboot the device if you change the parameters.

7.2.4 Set Wiegand Parameters

You can set the Wiegand transmission direction.

Steps

1. Tap **Comm.** (Communication Settings) on the Home page to enter the Communication Settings page.
2. On the Communication Settings page, tap **Wiegand** to enter the Wiegand tab.

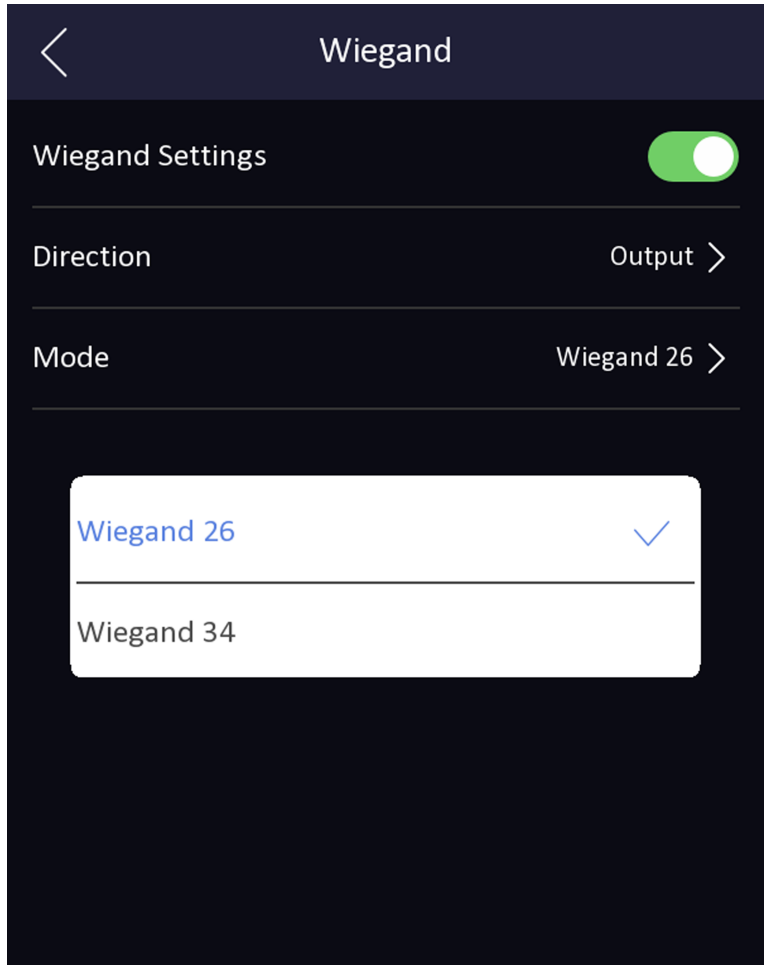


Figure 7-8 Wiegand Settings

3. Enable the Wiegand function.
4. Select a transmission direction.
   - Output: A face recognition terminal can connect an external access controller. And the two devices will transmit the card No. via Wiegand 26 or Wiegand 34.
   - Input: A face recognition terminal can connect a Wiegand card reader.
5. Tap ✓ to save the network parameters.

Note

If you change the external device, and after you save the device parameters, the device will reboot automatically.

7.2.5 Set ISUP Parameters

Set ISUP parameters and the device can upload data via ISUP protocol.

Before You Start

Make sure your device has connect to a network.

Steps

1. Tap **Comm.** → **ISUP** .

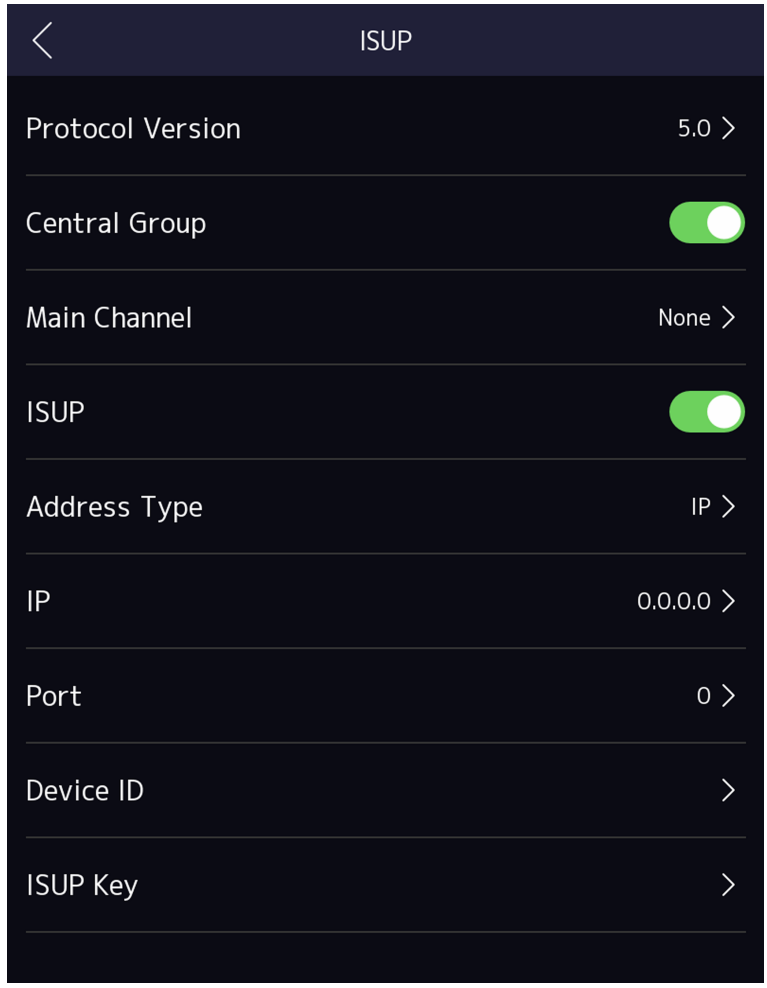


Figure 7-9 ISUP Settings

2. Enable the ISUP function and set the ISUP server parameters.

ISUP Version

Set the ISUP version according to your actual needs.

Central Group

Enable central group and the data will be uploaded to the center group.

Main Channel

Support N1 or None.

ISUP

Enable ISUP function and the data will be uploaded via ISUP protocol.

Address Type

Select an address type according to your actual needs.

IP Address

Set the ISUP server's IP address.

Port No.

Set the ISUP server's port No.

Note

Port No. Range: 0 to 65535.

Device ID

Set device serial no.

ISUP Key

If you choose V5.0, you should create an account and ISUP key. If you choose other version, you should create an ISUP account only.

Note

- Remember the ISUP account and ISUP key. You should enter the account name or the key when the device should communicate with other platforms via ISUP protocol.
- ISUP key range: 8 to 32 characters.

7.2.6 Platform Access

You can change the device verification code and set the server address before you add the device to the Hik-Connect mobile client.

Before You Start

Make sure your device has connected to a network.

Steps

Note

Parts of the device models supports function. Refers to the actual device for details.

1. Tap **Comm.** (Communication Settings) on the Home page to enter the Communication Settings page.
2. On the Communication Settings page, tap **Access to Hik-Connect**.
3. Enable **Access to Hik-Connect**
4. Enter **Server IP**.
5. Create the **Verification Code**, and you need to enter the verification code when you manage the devices via **Hik-Connect**.

7.3 User Management

On the user management interface, you can add, edit, delete and search the user.

7.3.1 Add Administrator

The administrator can login the device backend and configure the device parameters.

Steps

1. Long tap on the initial page and log in the backend.
2. Tap **User → +** to enter the Add User page.
3. Edit the employee ID.

Note

- The employee ID should be less than 32 characters. And it can be a combination of lower letters, upper letters, and numbers.
- The employee ID should not be duplicated.

4. Tap the Name field and input the user name on the soft keyboard.

Note

- Numbers, upper case letters, lower case letters, and special characters are allowed in the user name.
- Up to 32 characters are allowed in the user name.

5. **Optional:** Add a face picture, or cards for the administrator.

Note

- For details about adding a face picture, see ***Add Face Picture*** .
- For details about adding a card, see ***Add Card*** .

6. **Optional:** Set the administrator's authentication type.

Note

For details about setting the authentication type, see ***Set Authentication Mode*** .

7. Enable the Administrator Permission function.

Enable Administrator Permission

The user is the administrator. Except for the normal attendance function, the user can also enter the Home page to operate after authenticating the permission.

8. Tap ✓ to save the settings.

7.3.2 Add Face Picture

Add user's face picture to the device. And the user can use the face picture to authenticate.

Steps

1. Long tap on the initial page for 3 s and slide to the left/right by following the gesture and log in the backend.
2. Tap **User → +** to enter the Add User page.
3. Edit the employee ID.

Note

- The employee ID should be less than 32 characters. And it can be a combination of lower letters, upper letters, and numbers.
- The employee ID should not be duplicated.

4. Tap the Name field and input the user name on the soft keyboard.

Note

- Numbers, upper case letters, lower case letters, and special characters are allowed in the user name.
- The suggested user name should be within 32 characters.

5. Tap the Face Picture field to enter the face picture adding page.

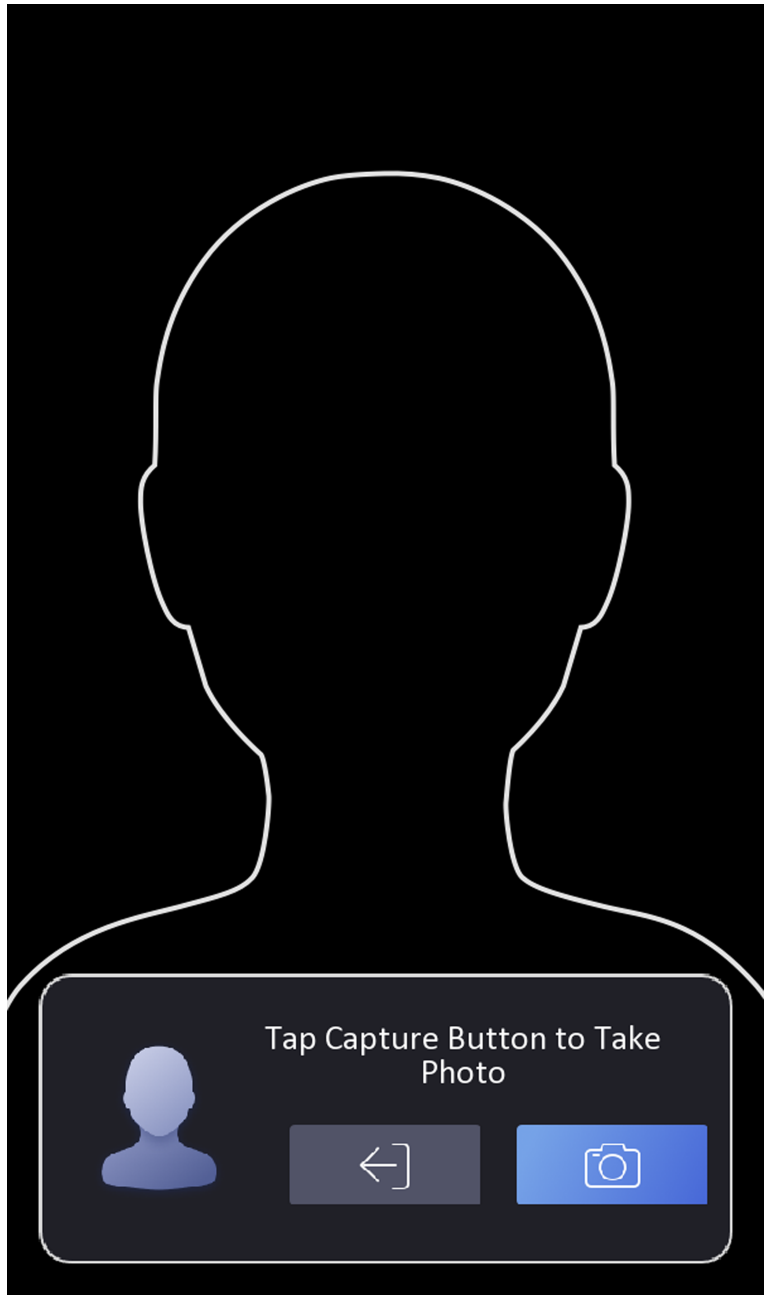


Figure 7-10 Add Face Picture

6. Look at the camera.

Note

- Make sure your face picture is in the face picture outline when adding the face picture.
- Make sure the captured face picture is in good quality and is accurate.
- For details about the instructions of adding face pictures, see ***Tips When Collecting/ Comparing Face Picture*** .

After completely adding the face picture, a captured face picture will be displayed at the upper right corner of the page.

7. Tap **Save** to save the face picture.
8. **Optional:** Tap **Try Again** and adjust your face position to add the face picture again.
9. Set the user role.

Administrator

The user is the administrator. Except for the normal attendance function, the user can also enter the Home page to operate after authenticating the permission.

Normal User

The User is the normal user. The user can only authenticate or take attendance on the initial page.

10. Tap ✓ to save the settings.

7.3.3 Add Card

Add a card for the user and the user can authenticate via the added card.

Steps

1. Long tap on the initial page for 3 s and slide to the left/right by following the gesture and log in the backend.
2. Tap **User → +** to enter the Add User page.
3. Connect an external card reader according to the wiring diagram.
4. Tap the Employee ID. field and edit the employee ID.

Note

- The employee ID should be less than 32 characters. And it can be a combination of lower letters, upper letters, and numbers.
- The employee ID should not be duplicated.

5. Tap the Name field and input the user name on the soft keyboard.

Note

- Numbers, upper case letters, lower case letters, and special characters are allowed in the user name.
- The suggested user name should be within 32 characters.

6. Tap the Card field and tap **+**.

7. Configure the card No.
   - Enter the card No. manually.
   - Present the card over the card presenting area to get the card No.

Note

- The card No. cannot be empty.
- Up to 20 characters are allowed in the card No.
- The card No. cannot be duplicated.

8. Configure the card type.
9. Set the user role.

   Administrator

   The user is the administrator. Except for the normal attendance function, the user can also enter the Home page to operate after authenticating the permission.

   Normal User

   The User is the normal user. The user can only authenticate or take attendance on the initial page.
10. Tap ✓ to save the settings.

7.3.4 View Password

Add a password for the user and the user can authenticate via the password.

Steps

1. Long tap on the initial page for 3 s and slide to the left/right by following the gesture and log in the backend.
2. Tap **User → +** to enter the Add User page.
3. Tap the Employee ID. field and edit the employee ID.

Note

- The employee ID should be less than 32 characters. And it can be a combination of lower letters, upper letters, and numbers.
- The employee ID should not be duplicated.

4. Tap the Name field and input the user name on the soft keyboard.

Note

- Numbers, upper case letters, lower case letters, and special characters are allowed in the user name.
- The suggested user name should be within 32 characters.

5. Tap the Password to view the password.

Note

The password cannot be edited. It can only be applied by the platform.

6. Set the user role.

Administrator

The user is the administrator. Except for the normal attendance function, the user can also enter the Home page to operate after authenticating the permission.

Normal User

The User is the normal user. The user can only authenticate or take attendance on the initial page.

7. Tap ✓ to save the settings.

7.3.5 Set Authentication Mode

After adding the user's face picture, password, or other credentials, you should set the authentication mode and the user can authenticate his/her identity via the configured authentication mode.

Steps

1. Long tap on the initial page for 3 s and slide to the left/right by following the gesture and log in the backend.
2. Tap **User → Add User/Edit User → Authentication Mode** .
3. Select Device or Custom as the authentication mode.

Device

If you want to select device mode, you should set the terminal authentication mode in Access Control Settings page first. For details see *Setting Access Control Parameters*.

Custom

You can combine different authentication modes together according to your actual needs.

4. Tap ✓ to save the settings.

7.3.6 Search and Edit User

After adding the user, you can search the user and edit it.

Search User

On the User Management page, Tap the search area to enter the Search User page. Tap **Card** on the left of the page and select a search type from the drop-down list. Enter the employee ID, card No., or the user name for search. Tap 🔍 to search.

Edit User

On the User Management page, select a user from the user list to enter the Edit User page. Follow the steps in ***User Management*** to edit the user parameters. Tap ✓ to save the settings.

Note

The employee ID cannot be edited.

7.4 Data Management

You can delete data, import data, and export data.

7.4.1 Delete Data

Delete user data.

On the Home page, tap **Data → Delete Data → User Data** . All user data added in the device will be deleted.

7.4.2 Import Data

Steps

1. Plug a USB flash drive in the device.
2. On the Home page, tap **Data → Import Data** .
3. Tap **User Data** or **Face Data**.
4. Enter the created password when you exported the data. If you do not create a password when you exported the data, leave a blank in the input box and tap **OK** immediately.

Note

- If you want to transfer all user information from one device (Device A) to another (Device B), you should export the information from Device A to the USB flash drive and then import from the USB flash drive to Device B. In this case, you should import the user data before importing the profile photo.
- The supported USB flash drive format is FAT32.
- The imported pictures should be saved in the folder (named enroll_pic) of the root directory and the picture's name should be follow the rule below:
  Card No._Name_Department_Employee ID_Gender.jpg
- If the folder enroll_pic cannot save all imported pictures, you can create another folders, named enroll_pic1, enroll_pic2, enroll_pic3, enroll_pic4, under the root directory.

- The employee ID should be less than 32 characters. It can be a combination of lower letters, upper letters, and numbers. It should not be duplicated, and should not start with 0.
- Requirements of face picture should follow the rules below: It should be taken in full-face view, directly facing the camera. Do not wear a hat or head covering when taking the face picture. The format should be JPEG or JPG. The resolution should be 640 × 480 pixel or more than of 640 × 480 pixel. The picture size should be between 60 KB and 200 KB.

7.4.3 Export Data

Steps

1. Plug a USB flash drive in the device.
2. On the Home page, tap **Data → Export Data** .
3. Tap **Event Data**, **User Data**, or **Face Data**.
4. **Optional:** Create a password for exporting. When you import those data to another device, you should enter the password.

Note

- The supported USB flash drive format is DB.
- The system supports the USB flash drive with the storage of 1G to 32G. Make sure the free space of the USB flash drive is more than 512M.
- The exported user data is a DB file, which cannot be edited.

7.5 Identity Authentication

After network configuration, system parameters configuration and user configuration, you can go back to the initial page for identity authentication. The system will authenticate person according to the configured authentication mode.

You can authenticate identity via 1:1 matching or 1:N matching.

1:N Matching

Compare the captured face picture with all face pictures stored in the device.

1: 1 Matching

Compare the captured face picture with all face pictures stored in the device.

7.5.1 Authenticate via Single Credential

Set the user authentication type before authentication. For details, see ***Set Authentication Mode*** .

Authenticate face, card or QR code.

Face

Face forward at the camera and start authentication via face.

Card

Present the card on the card presenting area and start authentication via card.

Note

The card can be normal IC card, or encrypted card.

QR Code

Put the QR code in front of the device camera to authenticate via QR code.

Note

Authentication via QR code should be supported by the device.

If authentication completed, a prompt "Authenticated" will pop up.

7.5.2 Authenticate via Multiple Credential

Before You Start

Set the user authentication type before authentication. For details, see ***Set Authentication Mode*** .

Steps

1. If the authentication mode is Card and Face, Password and Face, Card and Password, authenticate any credential according to the instructions on the live view page.

   Note

   - The card can be normal IC card, or encrypted card.
   - If the QR Code Scanning function is enabled, you can put the QR code in front of the device camera to authenticate via QR code.

2. After the previous credential is authenticated, continue authenticate other credentials.

   Note

   For detailed information about authenticating face, see *Tips When Collecting/Comparing Face Picture*.

   If authentication succeeded, the prompt "Authenticated" will pop up.

7.6 Basic Settings

You can set the voice settings, time settings, sleeping (s), language, community No., building No., Unit No., and beauty.

Long tap on the initial page for 3 s and slide to the left/right by following the gesture and login the device home page. Tap **Basic**.

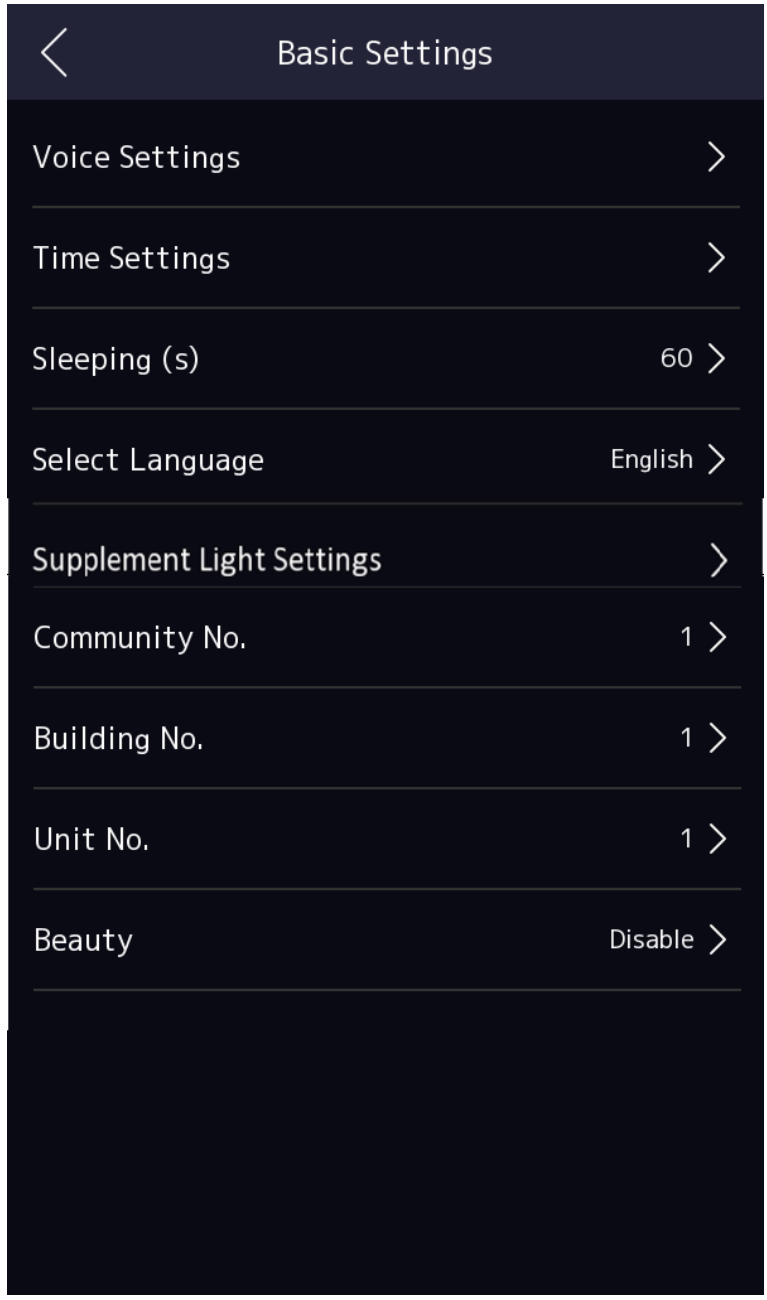


Figure 7-11 Basic Settings Page

Voice Settings

You can enable/disable the voice prompt function and adjust the voice volume.

Note

You can set the voice volume between 0 and 10.

Time Settings

Set the time zone, the device time and the DST.

Sleeping (s)

Set the device sleeping waiting time (minute). When you are on the initial page and if you set the sleeping time to 30 min, the device will sleep after 30 min without any operation.

Note

If you set the sleeping time to 0, the device will not enter sleeping mode.

Select Language

Select the language according to actual needs.

Community No.

Set the device installed community No.

Building No.

Set the device installed building No.

Unit No.

Set the device installed unit No.

Beauty

You can enable the beauty function and set the smooth and the whiten parameter. Tap **+** or **-** to control the effect strength.

Note

By default, the function is disabled.

7.7 Set Biometric Parameters

You can customize the face parameters to improve the face recognition performance. The configurable parameters includes application mode, face liveness level, face recognition distance, face recognition interval, wide dynamic, face 1:N security level, face 1:1 security level, ECO settings, face with mask detection and hard hat detection.

Long tap on the initial page for 3 s and login the home page. Tap **Biometric**.

Table 7-1 Face Picture Parameters

Parameter	Description
Application Mode	Select either others or indoor according to actual environment.
Face Liveness Level	After enabling face anti-spoofing function, you can set the matching security level when performing live face authentication.

Parameter	Description
	Note After disabling face anti-spoofing function, there will be spoofing recognition risks.
Face Recognition Distance	Set the valid distance between the user and the camera when authenticating.
Face Recognition Interval	The time interval between two continuous face recognitions when authenticating. **Note** You can input the number from 1 to 10.
Wide Dynamic	It is suggested to enable the WDR function if installing the device outdoors. When there are both very bright and very dark areas simultaneously in the view, you can enable the WDR function to balance the brightness of the whole image and provide clear images with details.
Face 1:N Security Level	Set the matching threshold when authenticating via 1:N matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate. **Note** You are recommended to retain the default value. The adjustment will affect the face misidentification rate and rejection rate.
Face 1:1 Security Level	Set the matching threshold when authenticating via 1:1 matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate. **Note** You are recommended to retain the default value. The adjustment will affect the face misidentification rate and rejection rate.
ECO Settings	After enabling the ECO mode, the device will use the IR camera to authenticate faces in the low light or dark environment. And you can set the ECO mode threshold, ECO mode (1:N), and ECO mode (1:1).

Parameter	Description
	Note After enabling ECO mode, the face will be recognized in weak light or no light environment. After disabling ECO mode, face recognition effect will decline in weak light or no light environment. **ECO Mode Threshold** When enabling the ECO mode, you can set the ECO mode's threshold. The larger the value, the easier the device entering the ECO mode. **ECO Mode (1:1)** Set the matching threshold when authenticating via ECO mode 1:1 matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate. **ECO Mode (1:N)** Set the matching threshold when authenticating via ECO mode 1:N matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate **Face with Mask & Face(1:N ECO)** Set the matching value when authenticating with face mask via ECO mode 1:N matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate.
Face with Mask Detection	After enabling the face with mask detection, the system will recognize the captured face with mask picture. You can set face with mask & face 1:N level and the strategy. **Note** After enabling Face with Mask Detection function, recognition effect of people without mask will be influenced. **Reminder of Wearing** If the person do not wear a face mask when authenticating, the device prompts a notification and the door will open. **Must Wear** If the person do not wear a face mask when authenticating, the device prompts a notification and the door keeps closed. **None**

Parameter	Description
	If the person do not wear a face mask when authenticating, the device will not prompt a notification.
Hard Hat Detection	After enabling the hard hat detection, you can set the strategy. **Reminder of Wearing** If the person do not wear the hard hat when authenticating, the device will pop up a prompt and the door will open. **Must Wear** If the person do not wear the hard hat when authenticating, the device will pop up a prompt and the door will keep closed. **None** If the person do not wear a face mask when authenticating, the device will not prompt a notification.

7.8 Set Access Control Parameters

You can set the access control permissions, including the functions of authentication mode, enable NFC card, door contact, and door open time.

On the Home page, tap **ACS** (Access Control Settings) to enter the Access Control Settings page. Edit the access control parameters on this page.

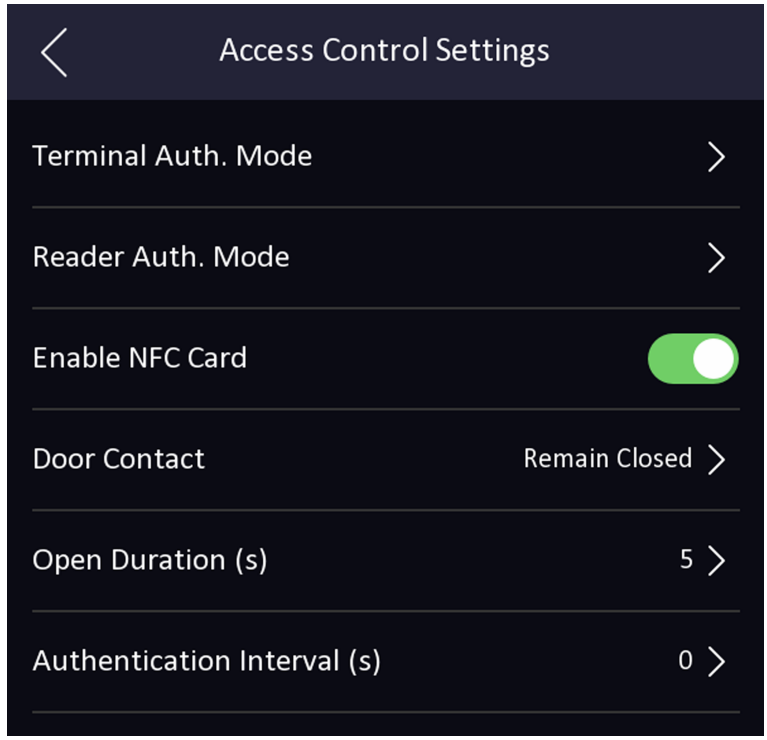


Figure 7-12 Access Control Parameters

The available parameters descriptions are as follows:

Table 7-2 Access Control Parameters Descriptions

Parameter	Description
Terminal Auth. Mode (Terminal Authentication Mode)	Select the face recognition terminal's authentication mode. You can also customize the authentication mode. **Note** • Biometric recognition products are not completely applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes. • If you adopt multiple authentication modes, you should authenticate other methods before authenticating face.
Reader Auth. Mode (Card Reader Authentication Mode)	Select the card reader's authentication mode.
Enable NFC Card	Enable the function and you can present the NFC card to authenticate. In order to prevent the mobile phone from getting the data of the access control, you can disable NFC card to increase the security level of the data.

Parameter	Description
	Note Disable NFC card cannot completely avoid presenting NFC card.
Door Contact	You can select "Open (Remain Open)" or "Close (Remian Closed)" according to your actual needs. By default, it is Close (Remian Closed).
Open Duration	Set the door unlocking duration. If the door is not opened for the set time, the door will be locked. Available door locked time range: 1 to 255s.
Authentication Interval	Set the device authenticating interval. Available authentication interval range: 0 to 65535.

7.9 Time and Attendance Status Settings

You can set the attendance mode as check in, check out, break out, break in, overtime in, and overtime out according to your actual situation.

Note

The function should be used cooperatively with time and attendance function on the client software.

7.9.1 Disable Attendance Mode via Device

Disable the attendance mode and the system will not display the attendance status on the initial page.

Tap **T&A Status** to enter the T&A Status page.

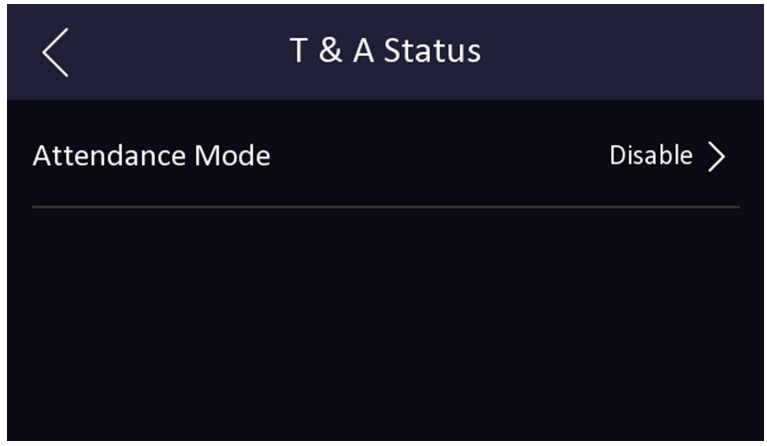


Figure 7-13 Disable Attendance Mode

Set the **Attendance Mode** as **Disable**.

You will not view or configure the attendance status on the initial page. And the system will follow the attendance rule that configured on the platform.

7.9.2 Set Manual Attendance via Device

Set the attendance mode as manual, and you should select a status manually when you take attendance.

Before You Start

Add at least one user, and set the user's authentication mode. For details, see *User Management*.

Steps

1. Tap **T&A Status** to enter the T&A Status page.
2. Set the **Attendance Mode** as **Manual**.

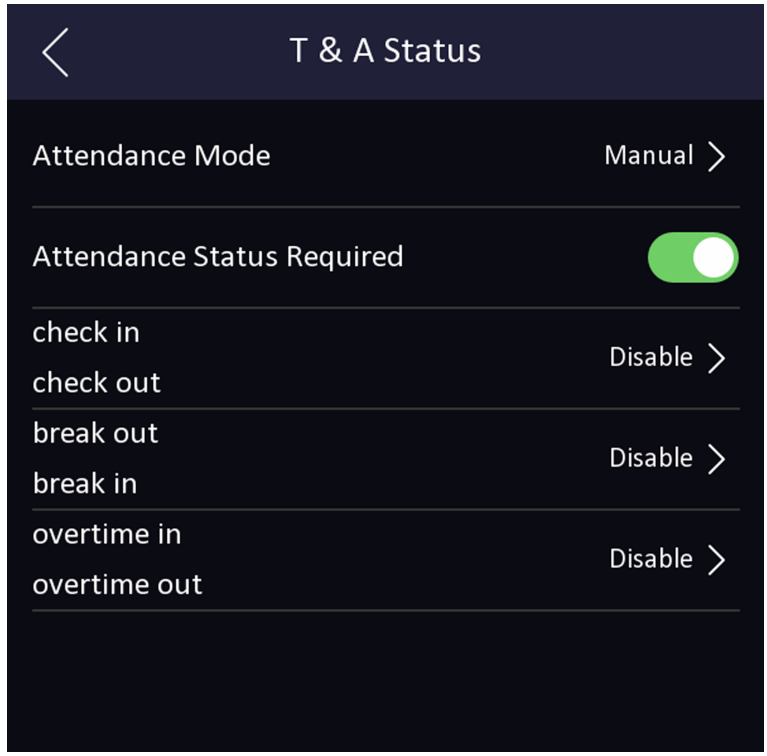


Figure 7-14 Manual Attendance Mode

3. Enable the **Attendance Status Required**.
4. Enable a group of attendance status.

Note

The Attendance Property will not be changed.

5. **Optional:** Select an status and change its name if required.

   The name will be displayed on the T & A Status page and the authentication result page.

Result

You should select an attendance status manually after authentication.

Note

If you do not select a status, the authentication will be failed and it will not be marked as a valid attendance.

7.9.3 Set Auto Attendance via Device

Set the attendance mode as auto, and you can set the attendance status and its available schedule. The system will automatically change the attendance status according to the configured schedule.

Before You Start

Add at least one user, and set the user's authentication mode. For details, see *User Management*.

Steps

1. Tap **T&A Status** to enter the T&A Status page.
2. Set the **Attendance Mode** as **Auto**.

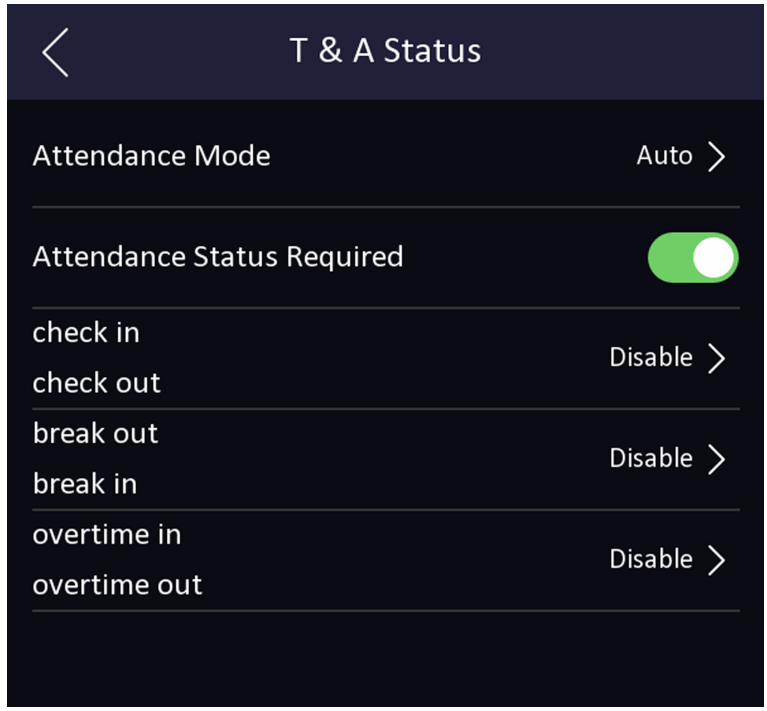


Figure 7-15 Auto Attendance Mode

3. Enable the **Attendance Status** function.
4. Enable a group of attendance status.

Note

The Attendance Property will not be changed.

5. **Optional:** Select an status and change its name if required.

   The name will be displayed on the T & A Status page and the authentication result page.
6. Set the status' schedule.
   1) Tap **Attendance Schedule**.
   2) Select **Monday**, **Tuesday**, **Wednesday**, **Thursday**, **Friday**, **Saturday**, or **Sunday**.
   3) Set the selected attendance status's start time of the day.
   4) Tap **Confirm**.
   5) Repeat step 1 to 4 according to your actual needs.

Note

The attendance status will be valid within the configured schedule.

Result

When you authenticate on the initial page, the authentication will be marked as the configured attendance status according to the configured schedule.

Example
If set the **Break Out** as Monday 11:00, and **Break In** as Monday 12:00, the valid user's authentication from Monday 11:00 to 12:00 will be marked as break.

7.9.4 Set Manual and Auto Attendance via Device

Set the attendance mode as **Manual and Auto**, and the system will automatically change the attendance status according to the configured schedule. At the same time you can manually change the attendance status after the authentication.

Before You Start
Add at least one user, and set the user's authentication mode. For details, see *User Management*.

Steps
1. Tap **T&A Status** to enter the T&A Status page.
2. Set the **Attendance Mode** as **Manual and Auto**.

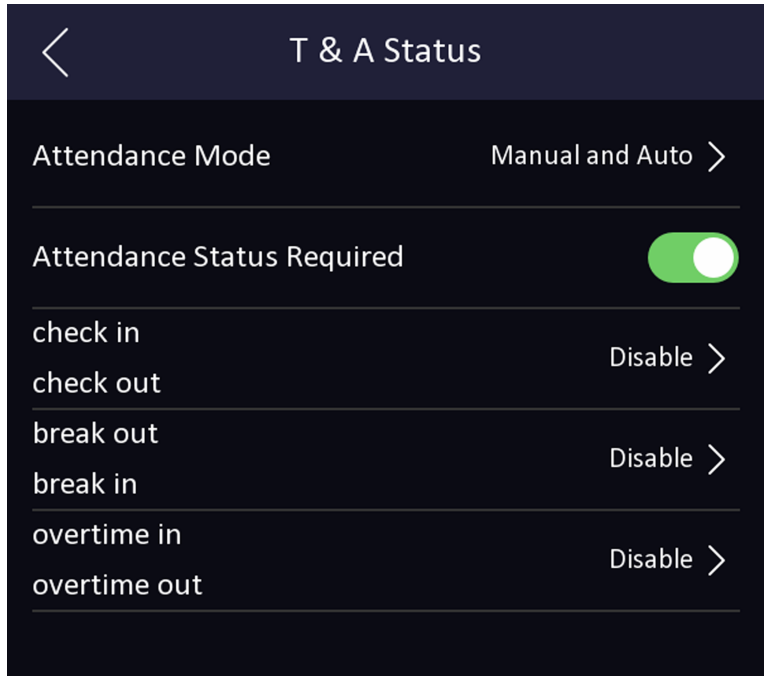


Figure 7-16 Manual and Auto Mode

3. Enable the **Attendance Status** function.
4. Enable a group of attendance status.

Note

The Attendance Property will not be changed.

5. **Optional:** Select an status and change its name if required.

   The name will be displayed on the T & A Status page and the authentication result page.

6. Set the status' schedule.

   1) Tap **Attendance Schedule**.

   2) Select **Monday**, **Tuesday**, **Wednesday**, **Thursday**, **Friday**, **Saturday**, or **Sunday**.

   3) Set the selected attendance status's start time of the day.

   4) Tap **OK**.

   5) Repeat step 1 to 4 according to your actual needs.

Note

The attendance status will be valid within the configured schedule.

Result

On the initial page and authenticate. The authentication will be marked as the configured attendance status according to the schedule. If you tap the edit icon on the result tab, you can select a status to take attendance manually, the authentication will be marked as the edited attendance status.

Example

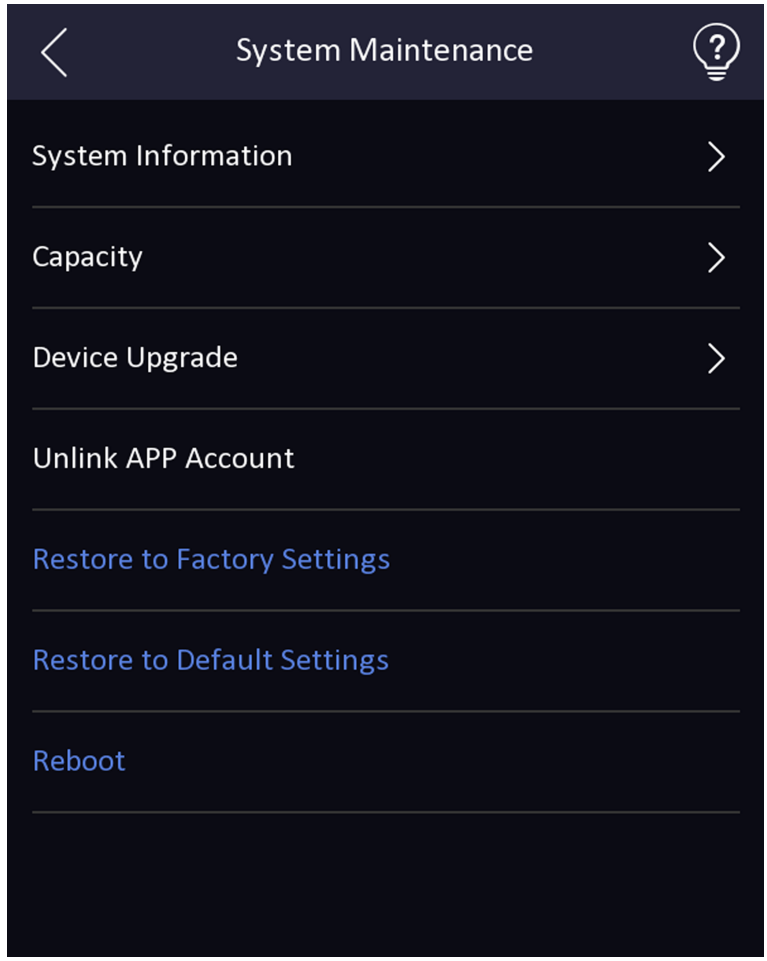
If set the **Break Out** as Monday 11:00, and **Break In** as Monday 12:00, the valid user's authentication from Monday 11:00 to 12:00 will be marked as break.

7.10 System Maintenance

You can view the system information and the capacity. You can also upgrade the device, restore to factory settings, restore to default settings, reboot the device, set face parameters and view version information.

Long tap on the initial page for 3 s and slide to the left/right by following the gesture and login the home page. Tap **Maint.**

Hold the **?** on the upper-right corner of the page and enter the password to view the version of the device.



System Information

You can view the device model, serial No., versions, address, production data, QR code, and open source code license.

Note

The page may vary according to different device models. Refers to the actual page for details.

Capacity

You can view the number of, user, face picture, card, and event.

Device Upgrade

Online Update

If the device has been connected to Hik-Connect and network, when there is a new installation package in Hik-Connect, you can tap **Device Upgrade → Online Update** to upgrade the device system.

Update via USB

Plug the USB flash drive in the device USB interface. Tap **Device Upgrade → Update via USB** , and the device will read the *digicap.dav* file in the USB flash drive to start upgrading.

Unlink APP Account

After unlinking APP account, you cannot operate via APP.

Restore to Default Settings

All parameters, except for the communication settings, remotely imported user information, will be restored to the default settings. The system will reboot to take effect.

Restore to Factory Settings

All parameters will be restored to the factory settings. The system will reboot to take effect.

Reboot

Reboot the device.

Advanced Settings

Long Tap ? on the right corner to enter the advanced settings page. Enter the password.

Face Parameter

Custom Anti-Spoofing Detection

Face Liveness Level

After enabling face anti-spoofing function, you can set the matching security level when performing live face authentication.

Anti-Spoofing Detection Threshold

The larger the value, the smaller the false accept rate and the larger the false rejection rate. The smaller the value, the larger the false accept rate and the smaller the false rejection rate.

Lock Face for Anti-Spoofing Protection

After enabling this function, the device will lock automatically when anti-spoofing detection failed.

Lock Duration

The lock duration after enabling **Lock Face for Anti-Spoofing Protection** when anti-spoofing detection failed.

Version Information

You can view the device information.

7.11 Preference Settings

You can configure preference settings parameters.

Steps

1. Tap **Basic Settings → Preference** to enter the preference settings page.

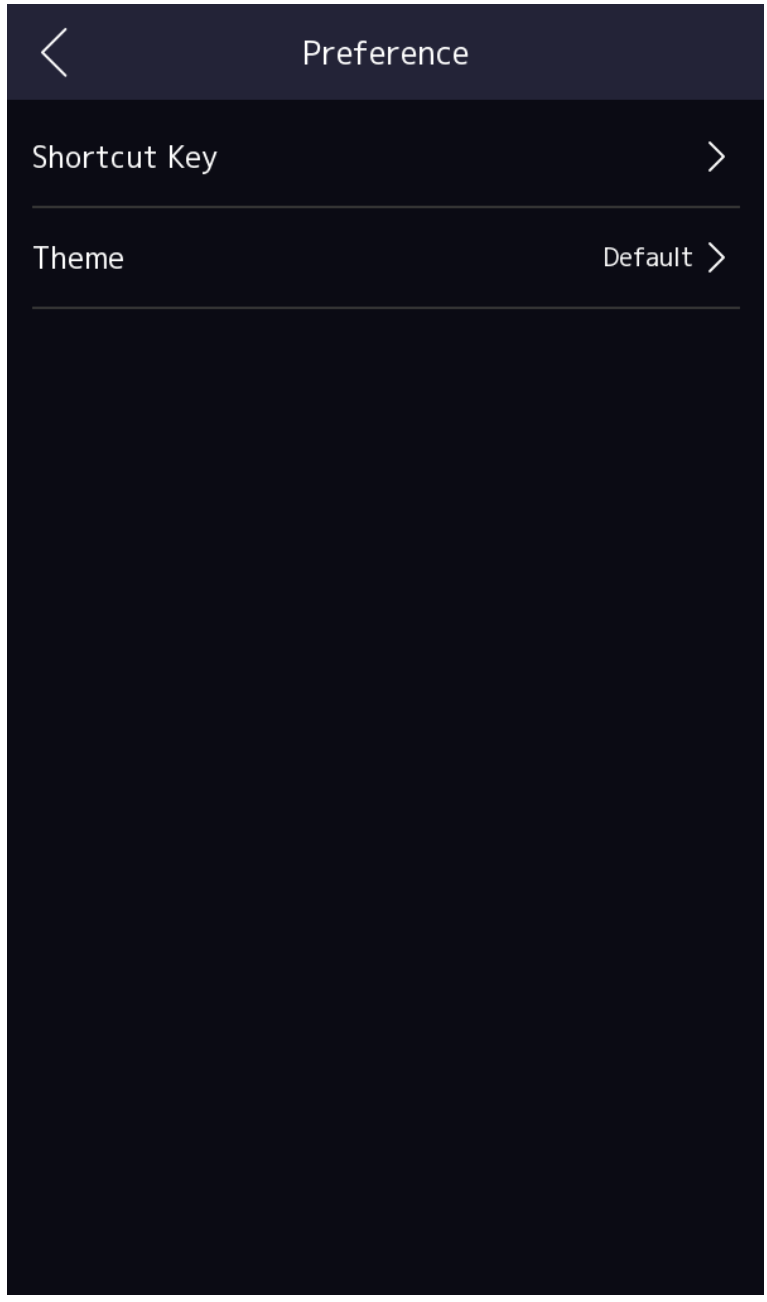


Figure 7-17 Preference Settings

Shortcut Key

Choose the shortcut key that displayed on the authentication page, including the call function, call type, and the password entering function.

Note

You can select call type from **Call Room**, **Call Center**, **Call Specified Room No.** and **Call APP**.

Call Room

When you tap the call button on the authentication page, you should dial a room No. to call.

Call Center

When you tap the call button on the authentication page, you can call the center directly.

Call Specified Room No.

You should set a room No. When you tap the call button on the authentication page, you can call the configured room directly without dialing.

Call APP

When you tap the call button on the authentication page, you will call the mobile client where the device is added.

Password

Enable this function amd you can enter the password to authenticate via password.

Theme

You can set the theme of the prompt window on the authentication page. You can select **Theme** as **Default**, **Simple**, or **Advertisement**.

Default

The device authentication page will display the live view page. And the person's name, employee ID, face pictures will all be displayed after authentication.

Simple

After selecting this mode, the live view of the authentication page will be disabled, and in the meanwhile, the person's name, employee ID, face pictures will all be hidden after authentication.

Advertisement

After selecting this mode, the advertising area and identification authentication area of the device will be displayed on separate screens. Video and advertising information playback, welcome speech display are supported.

7.12 Video Intercom

After adding the device to the client software, you can call the device from the client software, call the main station from the device, call the client software from the device, call the indoor station from the device, or call the specific room from the device.

7.12.1 Call Client Software from Device

Steps

1. Get the client software from the supplied disk or the official website, and install the software according to the prompts.
2. Run the client software and the control panel of the software pops up.
3. Click **Device Management** to enter the Device Management interface.
4. Add the device to the client software.

Note

For details about adding device, see *Add Device*.

5. Call the client software.
   1) Tap on the device initial page.
   2) Enter ***0*** in the pop-up window.
   3) Tap to call the client software.
6. Tap **Answer** on the pop-up page of the client software and you can start two-way audio between the device and the client software.

Note

If the device is added to multiple client softwares and when the device is calling the client software, only the first client software added the device will pop up the call receiving window.

7.12.2 Call Center from Device

Steps

1. Get the client software from the supplied disk or the official website, and install the software according to the prompts.
2. Run the client software and the control panel of the software pops up.
3. Click **Device Management** to enter the Device Management interface.
4. Add the main station and the device to the client software.

Note

For details about adding device, see *Add Device*.

5. Set the main station's IP address and SIP address in the remote configuration page.

Note

For details about the operation, see the user manual of the main station.

6. Call the center.
   - If you have configured to call center in the ***Basic Settings*** , you can tap to call the center.
   - If you have not configured to call center in the ***Basic Settings*** , you should tap → to call the center
7. Answers the call via the main station and starts two-way audio.

Note

The device will call the main station in priority.

7.12.3 Call Device from Client Software

Steps

1. Get the client software from the supplied disk or the official website, and install the software according to the prompts.
2. Run the client software and the control panel of the software pops up.
3. Click **Device Management** to enter the Device Management page.
4. Add the device to the client software.

Note

For details about adding device, see *Add Device*.

5. Enter the **Live View** page and double-click the added device to start live view.

Note

For details about operations in the **Live View** page, see *Live View* in the user manual of the client software.

6. Right click the live view image to open the right-click menu.
7. Click **Start Two-Way Audio** to start two-way audio between the device and the client software.

7.12.4 Call Room from Device

Steps

1. Get the client software from the supplied disk or the official website, and install the software according to the prompts.
2. Run the client software and the control panel of the software pops up.
3. Click **Device Management** to enter the Device Management interface.
4. Add the indoor station and the device to the client software.

Note

For details about adding device, see *Add Device*.

5. Link a user to an indoor station and set a room No. for the indoor station.
6. Call the room.
   - If you have configured a specified room No. in the ***Basic Settings*** , you can tap to call the room.
   - If you have not configured a specified room No. in the ***Basic Settings*** , you should tap on the authentication page of the device. Enter the room No. on the dial page and tap to call the room.
7. After the indoor station answers the call, you can start two-way audio with the indoor station.

7.12.5 Call Mobile Client from Device

Steps

1. Get the mobile mobile client from the supplied disk or the official website, and install the software according to the prompts.
2. Run the mobile client and add the device to the mobile client.

   Note

   For details, see the user manual of the mobile client.
3. Enter **Basic Settings → Shortcut Key** and enable **Call APP**.
4. Go back to the initial page and call the mobile client.
   1) Tap on the device initial page.
   2) Tap to call the mobile client.

7.13 Temperature Measurement Settings

You can set the temperature measurement parameters, including temperature detection, over-temperature alarm threshold, temperature compensation, door not open when temperature is abnormal, temperature measurement mode, temperature unit, etc.

On the Home page, tap **Temperature** to enter the Temperature page. Edit the temperature measurement parameters on this page and tap to save the settings.

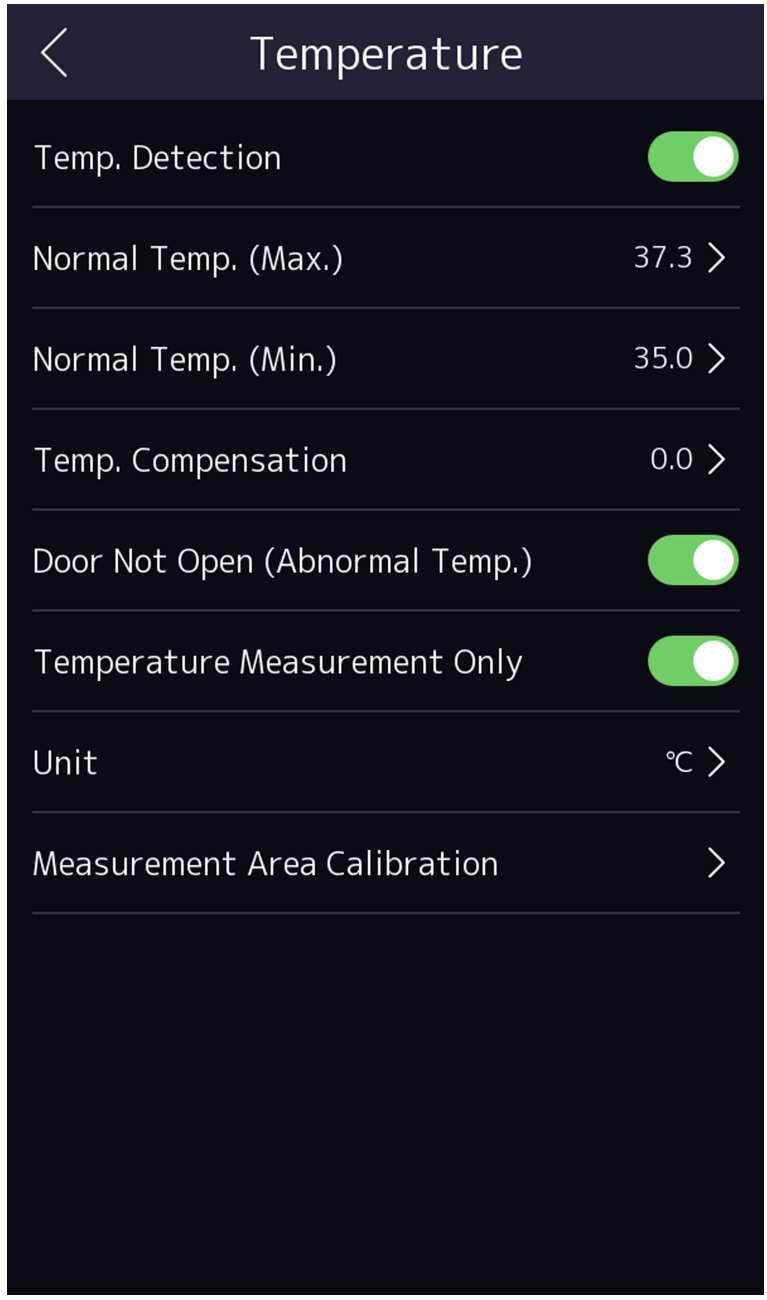


Figure 7-18 Temperature Measurement Parameters

The available parameters descriptions are as follows:

Table 7-3 Temperature Measurement Parameters Descriptions

Parameter	Description
Temp. Detection	When enabling the function, the device will authenticate the permissions and at the same time take the temperature. When disabling the device, the device will authenticate the permissions only.
Norm Temp. (Max./Min.)	Edit the threshold according to actual situation. If the detected temperature is higher or lower than the configured parameters, an alarm will be triggered. By default, the value is 37.3°.
Temp. Compensation	If the measured temperature is higher/lower than the actual object's temperature, you can set the compensation temperature here. Available range: -99 °C to 99 °C
Door Not Open (Abnormal Temp.)	When enabling the function, the door will not open when the detected temperature is higher or lower than the configured temperature threshold. By default, the function is enabled.
Temperature Measurement Only	When enabling the function, the device will not authenticate the permissions, but only take the temperature. When disabling the function, the device will authenticate the permissions and at the same time take the temperature.
Unit	Select a temperature unit according to your preference.
Measurement Area Calibration	Configure the temperature measurement area.

Chapter 8 Quick Operation via Web Browser

8.1 Select Language

You can select a language for the device system.

Click in the top right of the web page to enter the **Device Language Settings** page. You can select a language for the device system from the drop-down list.

By default, the system language is English.

Note

After you change the system language, the device will reboot automatically.

Click **Next** to complete the settings.

8.2 Time Settings

Click in the top right of the web page to enter the wizard page. After setting device language, you can click **Next** to enter the **Time Settings** page.

Time Zone

Select the device located time zone from the drop-down list.

Time Sync.

NTP

You should set the NTP server's IP address, port No., and interval.

Manual

By default, the device time should be synchronized manually. You can set the device time manually or check **Sync. with Computer Time** to synchronize the device time with the computer's time.

Server Address/NTP Port/Interval

You can set the server address, NTP port, and interval.

Click **Next** to save the settings and go to the next parameter. Or click **Skip** to skip time settings.

8.3 Privacy Settings

Set the picture uploading and storage parameters.

Click in the top right of the web page to enter the wizard page. After previous settings, you can click **Next** to enter the **Privacy Settings** page.

Picture Uploading and Storage

Save Picture When Authenticating

Save picture when authenticating automatically.

Upload Picture When Authenticating

Upload the pictures when authenticating to the platform automatically.

Save Registered Picture

The registered face picture will be saved to the system if you enable the function.

Upload Picture After Linked Capture

Upload the pictures captured by linked camera to the platform automatically.

Save Pictures After Linked Capture

If you enable this function, you can save the picture captured by linked camera to the device.

Click **Next** to complete the settings.

8.4 Administrator Settings

Steps

1. Click in the top right of the web page to enter the wizard page. After setting device language, time, environment and privacy, you can click **Next** to enter the **Administrator Settings** page.
2. Enter the employee ID and name of the administrator.
3. Select a credential to add.

Note

You should select at least one credential.

1) Click **Add Face** to upload a face picture from local storage.

Note

The uploaded picture should be within 200 K, in JPG、JPEG、PNG format.

2) Click **Add Card** to enter the Card No. and select the property of the card.

Note

Up to 5 cards can be supported.

3) Click **Add Fingerprint** to add fingerprints.

Note

Up to 10 fingerprints are allowed.

Click **Complete** to complete the settings.

8.5 No.and System Network

Steps

1. Click in the top right of the web page to enter the wizard page. After previous settings, you can click **Next** to enter the **No. and System Network** settings page.
2. Set the device type.

   If set the device type as **Door Station** or **Access Control Device**, you can set the floor No., door station No., and click **More** to set **Community No.**, **Building No.**, and **Unit No.**

   If set the device type as **Outer Door Station**, you can set outer door station No., and community No.
3. Click **Complete** to save the settings after the configuration.

Device Type

The device can be used as a door station or outer door station. Select a device type from the drop-down list.

Floor No.

Set the device installed floor No.

Door Station No.

Set the device installed floor No.

Note

The main door station No. is 0, and the sub door station No. ranges from 1 to 16.

Community No.

Set the device community No.

Building No.

Set the device building No.

Unit No.

Set the device unit No.

Chapter 9 Operation via Web Browser

9.1 Login

You can login via the web browser.

Note

Make sure the device is activated. For detailed information about activation, see ***Activation*** .

Login via Web Browser

Enter the device IP address in the address bar of the web browser and press **Enter** to enter the login page.
Enter the device user name and the password. Click **Login**.

9.2 Forgot Password

If you forget the device password, you can change the device password via security questions.

Steps

Note

You can change the device password via PC web.

1. Click**Forgot Password** on the login page.
2. Select the verification method.
3. Answer the reserved security questions.

   Note

   The answers are configured when you first activate the device.
4. Create a new password and confirm the password.
5. Click **Next** to save the settings.

9.3 Overview

You can view the live video of the device, person information, network status, basic information, and device capacity.

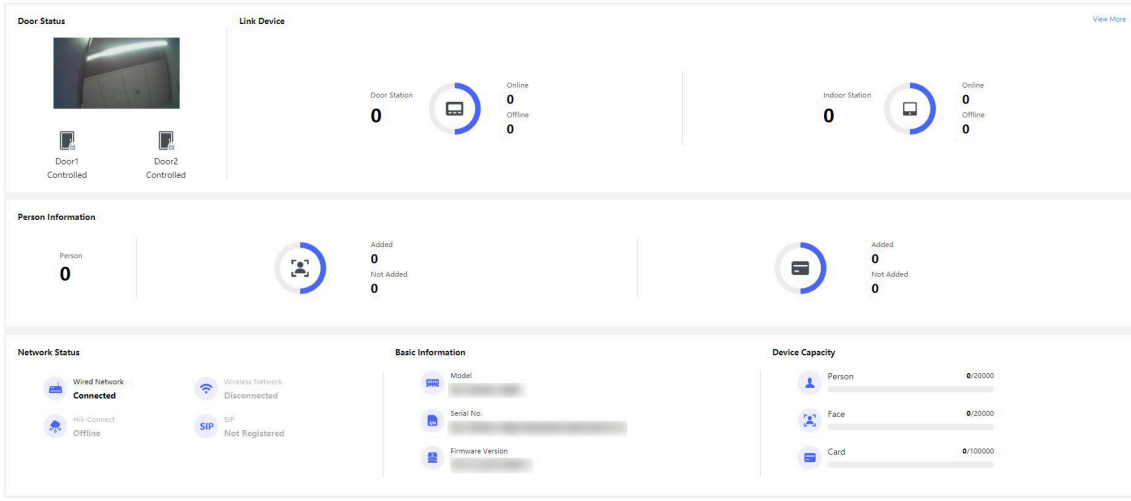


Figure 9-1 Overview Page

Function Descriptions:

Real-Time Event

You can view the event Employee ID, Name, Card No., Event Type, Time, and Operation. You can also click **View More** to enter the page of Event Search. You can select event types, enter the employee ID, the name, the card No., the start time, and the end time, and click **Search**. The results will be displayed on the right panel.

Door Status

Click to view the device live view.

Set the volume when starting live view.

Note

If you adjust the volume when starting two-way audio, you may hear a repeated sounds.

You can capture image when starting live view.

Select the streaming type when starting live view. You can select from the main stream, sub stream or third stream.

Full screen view.

You can record when starting live view.

/ / /

The door status is open/closed/remaining open/remaining closed.

Controlled Status

You can control the door to be opened, closed, remaining open or remaining closed according to your actual needs.

Person Information

You can view the added and not added information of person face, card and fingerprint.

Network Status

You can view the connected and registered status of wired network, wireless network, cloud service and ISUP.

Basic Information

You can view the model, serial No. and firmware version.

Device Capacity

You can view the person, face, card, fingerprint and event capacity.

9.4 Person Management

Click **Add** to add the person's information, including the basic information, certificate, authentication and settings.

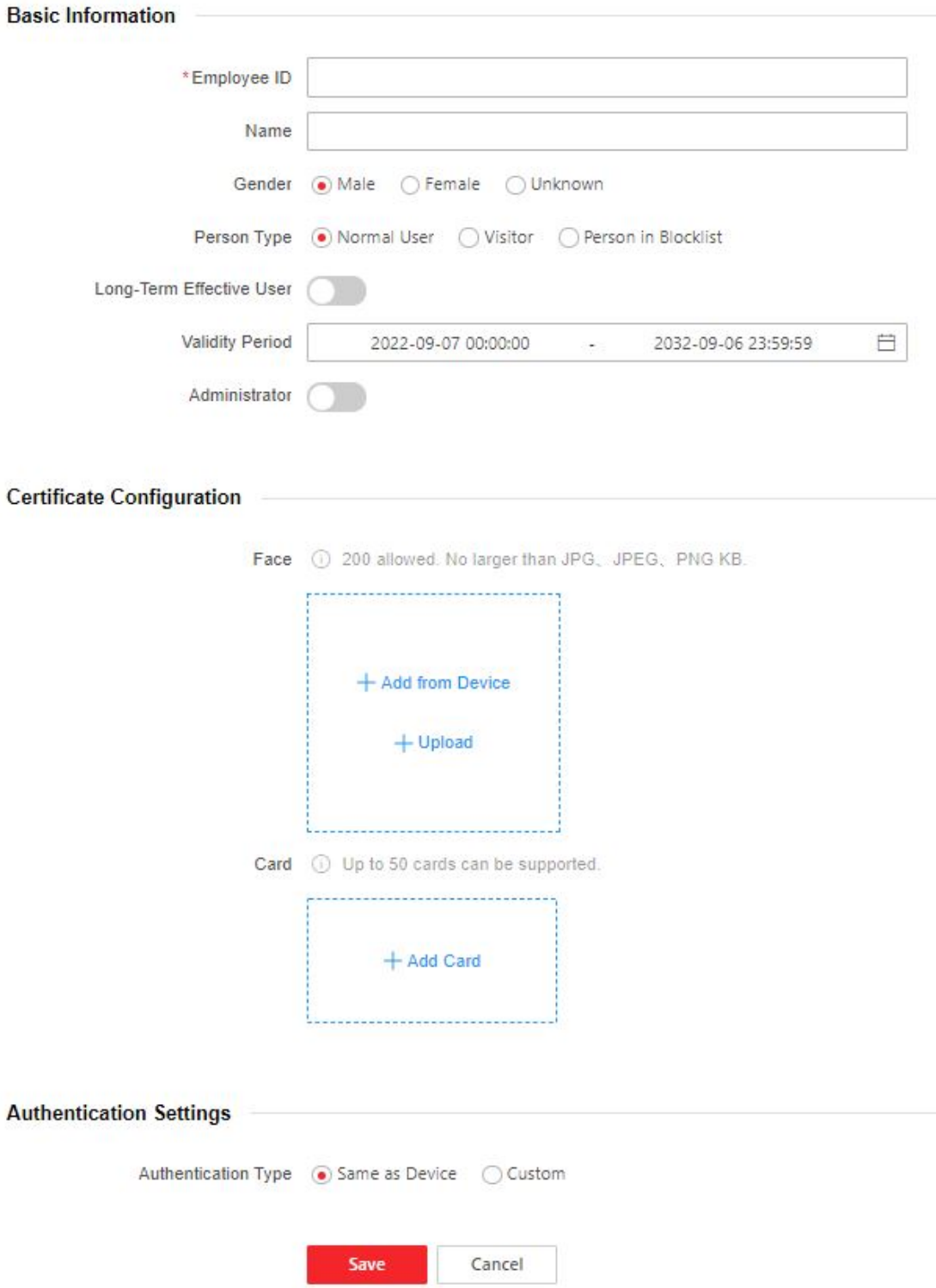


Figure 9-2 Add Person

Add Basic Information

Click **Person Management → Add** to enter the Add Person page.
Add the person's basic information, including the employee ID, the person's name, the gender, person type.
If you select **Visitor** as the person type, you can set the visit times.
Click **Save** to save the settings.

Set Permission Time

Click **Person Management → Add** to enter the Add Person page.
Enable **Long-Term Effective User**, or set **Validity Period** and the person can only has the permission within the configured time period according to your actual needs.
Click **Save** to save the settings.

Add Face Picture

Click **Person Management → Add** to enter the Add Person page.
Click **+** on the right to upload a face picture from the local PC.

Note

The picture format should be JPG or JPEG or PNG, and the size should be less than 200 K.

Click **Save** to save the settings.

Add Card

Click **Person Management → Add** to enter the Add Person page.
Click **Add Card**, enter the **Card No.** and select the **Property**, and click **OK** to add the card.

Note

Up to 50 cards can be added.

Click **Save** to save the settings.

Add Fingerprint

Note

Only devices supporting the fingerprint function can add the fingerprint.

Click **Person Management → Add** to enter the Add Person page.
Click **Add Fingerprint**, and press your finger on the fingerprint module of the device to add your fingerprint.
Click **Save** to save the settings.

Set Room No.

Click **Person Management → Add** to enter the Add Person page.
Enter the **Floor No.** and **Room No.**.

Click to delete it.
Click **Save** to save the settings.

Authentication Settings

Click **Person Management → Add** to enter the Add Person page.
Set **Authentication Type** as **Same as Device** or **Custom**.
Click **Save** to save the settings.

9.5 Search Event

Click **Event Search** to enter the Search page.

Enter the search conditions, including the event type, the employee ID, the name, the card No., the start time, and the end time, and click **Search**.

The results will be displayed on the right panel.

9.6 Configuration

9.6.1 Set Local Parameters

Set the live view parameters, record file saving path, and captured pictures saving path.

Set Live View Parameters

Click **Configuration → Local** to enter the Local page. Configure the stream type, the play performance, auto start live view, and the image format and click **Save**.

Set Record File Saving Path

Click **Configuration → Local** to enter the Local page. Select a record file size and select a saving path from your local computer and click **Save**.
You can also click **Open** to open the file folder to view details.

Set Captured Pictures Saving Path

Click **Configuration → Local** to enter the Local page. Select a saving path from your local computer and click **Save**.
You can also click **Open** to open the file folder to view details.

9.6.2 View Device Information

View the device name, language, model, serial No., version, IO input, IO output, Lock, Local RS-485, alarm input, alarm output, and device capacity, etc.

Click **Configuration → System → System Settings → Basic Information** to enter the configuration page.

You can view device name, language, model, serial No., version, IO input, IO output, Lock, Local RS-485,alarm input, alarm output, and device capacity, etc.

9.6.3 Set Time

Set the device's time, time zone, synchronization mode, server address, NTP port, and interval.

Click **Configuration → System → System Settings → Time Settings** .

Click **Save** to save the settings after the configuration.

Time Zone

Select the device located time zone from the drop-down list.

Time Sync.

NTP

You should set the NTP server's IP address, port No., and interval.

Manual

By default, the device time should be synchronized manually. You can set the device time manually or check **Sync. with Computer Time** to synchronize the device time with the computer's time.

Server Address Type/Server Address/NTP Port/Interval

You can set the server address type, server address, NTP port, and interval.

9.6.4 Set DST

Steps

1. Click **Configuration → System → System Settings → DST** .

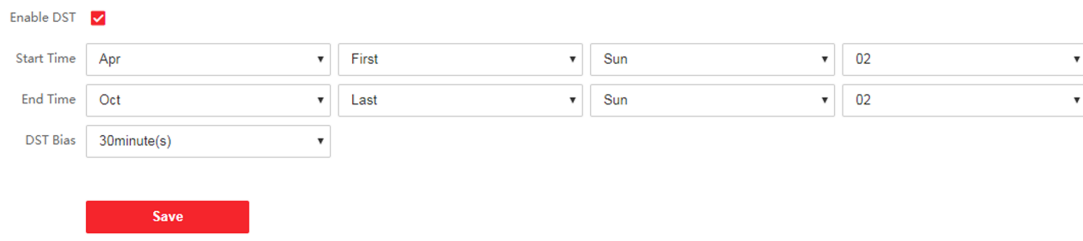


Figure 9-3 DST Page

2. Check **Enable DST**.
3. Set the DST start time, end time and bias time.
4. Click **Save** to save the settings.

9.6.5 Change Administrator's Password

Steps

1. Click **Configuration → System → User Management** .
2. Click .
3. Enter the old password and create a new password.
4. Confirm the new password.
5. Click **Save**.

Caution

The password strength of the device can be automatically checked. We highly recommend you change the password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.
Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

9.6.6 View Device Arming/Disarming Information

View device arming type and arming IP address.

Click **Configuration → System → User Management → Arming/Disarming Information** .

You can view the device arming/disarming information. Click **Refresh** to refresh the page.

9.6.7 Network Settings

Set TCP/IP, port, Wi-Fi parameters, ISUP, and platform access.

Note

Some device models do not support Wi-Fi or mobile data settings. Refer to the actual products when configuration.

Set Basic Network Parameters

Click **Configuration → Network → Network Settings → TCP/IP** .

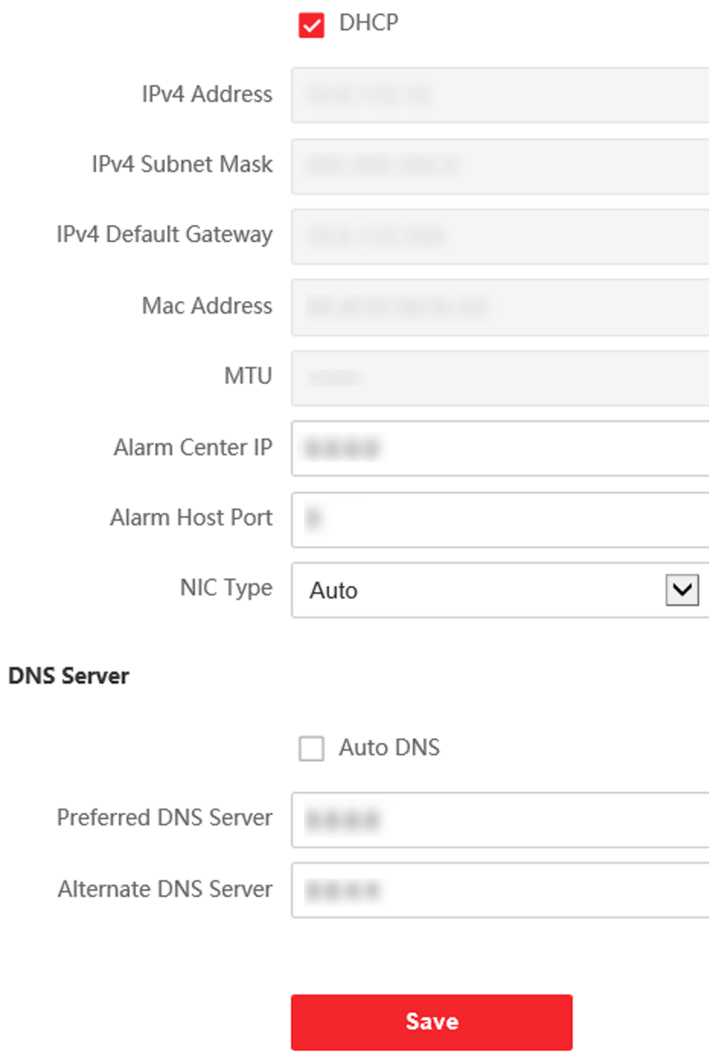


Figure 9-4 TCP/IP Settings Page

Set the parameters and click **Save** to save the settings.

NIC Type

Select a NIC type from the drop-down list. By default, it is **Self-Adaptive**.

DHCP

If uncheck the function, you should set the IPv4 address, IPv4 subnet mask and IPv4 default gateway.

If you check the function, the system will allocate the IPv4 address, IPv4 subnet mask, the IPv4 default gateway automatically.

DNS Server

Set the preferred DNS server and the Alternate DNS server according to your actual need.

Set Wi-Fi Parameters

Set the Wi-Fi parameters for device wireless connection.

Steps

Note

The function should be supported by the device.

1. Click **Configuration → Network → Network Settings → Wi-Fi** .

Figure 9-5 Wi-Fi Settings Page

2. Check **Wi-Fi**.
3. Select a Wi-Fi
   - Click **Connect** of a Wi-Fi in the list and enter the Wi-Fi password.
   - Click **Manual Add** and enter a Wi-Fi's SSID, working mode, security mode, and password. Click **OK**.
4. Set the WLAN parameters.
   1) Set the IP address, subnet mask, and default gateway. Or enable **DHCP** and the system will allocate the IP address, subnet mask, and default gateway automatically.
5. Set the DNS server. Set the preferred DNS server and alternate DNS server. Or enable **DHCP** and the system will allocate the preferred DNS server and alternate DNS server automatically.
6. Click **Save**.

Set Port Parameters

Set the HTTP, HTTPS, HTTP Listening, RTSP and Server port parameters.

Click **Configuration → Network → Network Service → HTTP(S)** .

HTTP

It refers to the port through which the browser accesses the device. For example, when the HTTP Port is modified to 81, you need to enter ***http://192.0.0.65:81*** in the browser for login.

HTTPS

Set the HTTPS for accessing the browser. Certificate is required when accessing.

HTTP Listening

The device can send alarm information to the event alarm IP address or domain name via HTTP protocol/HTTPS protocol. Edit the event alarm IP address or domain name, URL, port, and protocol.

Note

The event alarm IP address or domain name should support the HTTP protocol/HTTPS protocol to receive the alarm information.

Click **Configuration → Network → Network Service → RTSP** .

RTSP

It refers to the port of real-time streaming protocol.

Click **Configuration → Network → Device Access → SDK Server** .

SDK Server

It refers to the port through which the client adds the device.

Platform Access

Platform access provides you an option to manage the devices via platform.

Steps

1. Click **Configuration → Network → Device Access → Hik-Connect** to enter the settings page.

   Note

   Hik-Connect is an application for mobile devices. With the App, you can view live image of the device, receive alarm notification and so on.
2. Check **Enable** to enable the function.
3. **Optional:** Check the checkbox of **Custom**, and you can set the server address by yourself.
4. Enter the server IP address, and verification code.

   Note

   6 to 12 letters (a to z, A to Z) or numbers (0 to 9), case sensitive. You are recommended to use a combination of no less than 8 letters or numbers.
5. Enable **Video Encryption**, and create the password and confirm it.

Note

After adding the device to APP, you need to enter the video encryption password to live view the device.

6. **Optional:** Click **View** to view the device QR code. Scan the QR code to account.

Note

Scan the QR code before it loses efficacy.

7. **Optional:** Click **More** to set the network connection priority.
   1) Enable **WLAN** or **Wired Network** according to your actual needs.
   1) Hold and drag ☰ to adjust the access priority.
8. Click **Save** to enable the settings.

Set ISUP Parameters

Set the ISUP parameters for accessing device via ISUP protocol.

Steps

Note

The function should be supported by the device.

1. Click **Configuration → Network → Device Access → ISUP** .
2. Check **Enable**.
3. Set the ISUP version, server address, port, device ID, and the ISUP status.

Note

If you select 5.0 as the version, you should set the encryption key as well.

4. Set the ISUP listening parameters, including ISUP alarm center IP address/domain name, ISUP alarm center URL, and ISUP alarm center port.
5. Click **Save**.

9.6.8 Set Video and Audio Parameters

Set the image quality and resolution.

Set Video Parameters

Click **Configuration → Video/Audio → Video** .
Set the camera name, stream type, video type, resolution, bit rate type, Max. bit rate and I Frame Interval.
Click **Save** to save the settings after the configuration.

Note

The functions vary according to different models. Refers to the actual device for details.

Set Audio Parameters

Click **Configuration → Video/Audio → Audio** .
Set the audio stream type, input volume, and output volume.
Check **Enable Voice Prompt** according to your needs.

9.6.9 Set Image Parameters

You can adjust the image parameters, video parameters, supplement light parameters, beauty parameters, enable WDR and set capture interval.

Steps

1. Click **Configuration → Image** .
2. Configure the parameters to adjust the image.

Image Adjustment

Drag the block or enter the value to adjust the live video's brightness, contrast, saturation, and sharpness.

Video Adjustment (Video Standard)

Set the video frame rate when performing live view remotely. After changing the standard, you should reboot the device to take effect.

PAL

25 frames per second. Suitable for mainland China, Hong Kong (China), the Middle East countries, Europe countries, etc.

NTSC

30 frames per second. Suitable for the USA, Canada, Japan, Taiwan (China), Korea, the Philippines, etc.

Supplement Light

Set the supplement light type, mode, start time and end time. You can also set the brightness.

Beauty

Set whiten and smooth value for the face appeared on the device live view page.

Backlight

Enable or disable **WDR**.

When there are both very bright and very dark areas simultaneously in the view, WDR balances the brightness level of the whole image and provide clear images with details.

Start All Recording

You can click to record when starting live view.

Capture Interval

You can click to capture image when starting live view.

Full Screen

You can click for full screen view.

3. Click **Restore Default Settings** to restore the parameters to the default settings.

9.6.10 Alarm Settings

Set the alarm output parameters.

Steps

1. Click **Configuration → Event → Alarm Settings → Alarm Output** .
2. Set **Alarm Name** and **Output Delay**.

9.6.11 Access Control Settings

Set Authentication Parameters

Click **Configuration → Access Control → Authentication Settings** .

Note

The functions vary according to different models. Refers to the actual device for details.

Click **Save** to save the settings after the configuration.

If select **Terminal 1**:

Terminal/Terminal Type/Terminal Model

Select terminal and get the terminal description. They are read-only.

Enable Authentication Device

Enable the authentication function.

Authentication

Select an authentication mode according to your actual needs from the drop-down list.

Recognition Interval

You can set the interval between 2 continuous recognition of a same person during the authentication. In the configured interval, Person A can only recognized once. If another person (Person B) has recognized during the interval, Person A can recognized again.

Authentication Interval

You can set the authentication interval of the same person when authenticating. The same person can only authenticate once in the configured interval. A second authentication will be failed.

Alarm of Max. Failed Attempts

Enable to report alarm when the card reading attempts reach the set value.

Tampering Detection

Enable the anti-tamper detection for the card reader.

Card No. Reversing

The read card No. will be in reverse sequence after enabling the function.

If select **Terminal 2**:

Terminal/Terminal Type/Terminal Model

Select terminal and get the terminal description. They are read-only.

Enable Authentication Device

Enable the authentication function.

Sub Card Reader Position

You can select sub card reader position as different or same side as the main card reader.

Authentication

Select an authentication mode according to your actual needs from the drop-down list.

Recognition Interval

You can set the interval between 2 continuous recognition of a same person during the authentication. In the configured interval, Person A can only recognized once. If another person (Person B) has recognized during the interval, Person A can recognized again.

Alarm of Max. Failed Attempts

Enable to report alarm when the card reading attempts reach the set value.

Communication with Controller Every

When the access control device cannot connect with the card reader for longer than the set time, the card reader will turn offline automatically.

Max. Interval When Entering Password

When you entering the password on the card reader, if the interval between pressing two digits is longer than the set value, the digits you pressed before will be cleared automatically.

OK LED Polarity/Error LED Polarity

Set OK LED Polarity/Error LED Polarity of the access control device according to the card reader parameters. Generally, adopts the default settings.

Tampering Detection

Enable the anti-tamper detection for the card reader.

Set Door Parameters

Click **Configuration → Access Control → Door Parameters** .

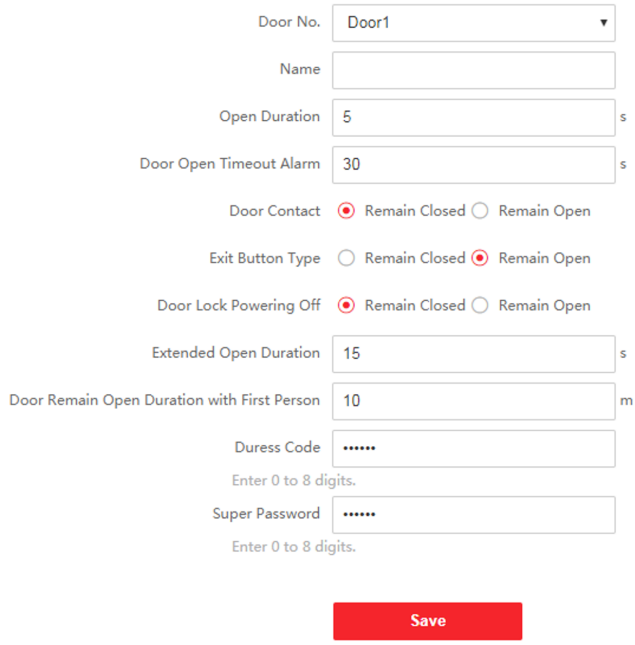


Figure 9-6 Door Parameters Settings Page

Click **Save** to save the settings after the configuration.

Door Name

You can create a name for the door.

Open Duration

Set the door unlocking duration. If the door is not opened for the set time, the door will be locked.

Door Open Timeout Alarm

An alarm will be triggered if the door has not been closed within the configured time duration.

Door Magnetic Sensor Type

You can set the door contact as **Remain Open** or **Remain Closed** according to your actual needs. By default, it is **Remain Closed**.

Exit Button Type

You can set the exit button as **Remain Open** or **Remain Closed** according to your actual needs. By default, it is **Remain Open**.

Door Lock Powering Off Status

You can set the door lock status when the door lock is powering off. By default, it is **Remain Closed**.

Extended Open Duration

The door contact can be enabled with appropriate delay after person with extended access needs swipes her/his card.

Door Remain Open Duration with First Person

Set the door open duration when first person is in. After the first person is authorized, it allows multiple persons access the door or other authentication actions.

Duress Code

The door can open by inputting the duress code when there is duress. At the same time, the client can report the duress event.

Super Password

The specific person can open the door by inputting the super password.

Note

The duress code and the super code should be different.

Set RS-485 Parameters

You can set the RS-485 parameters including the peripheral, address, baud rate, etc.

Click **Configuration → Access Control → RS-485 Settings** .

Check **Enable RS-485**, and set the parameters.

Click **Save** to save the settings after the configuration.

No.

Set the RS-485 No.

Peripheral Type

Select a peripheral from the drop-down list according the actual situation. You can select from **Card Reader**, **Extension Module**, **Access Controller**, or **Disable**.

Note

After the peripheral is changed and saved, the device will reboot automatically.

RS-485 Address

Set the RS-485 Address according to your actual needs.

Note

If you select **Access Controller**: If connect the device to a terminal via the RS-485 interface, set the RS-485 address as 2. If you connect the device to a controller, set the RS-485 address according to the door No.

Baud Rate

The baud rate when the devices are communicating via the RS-485 protocol.

Set Terminal Parameters

You can set terminal parameters for accessing.

Click **Configuration → Access Control → Terminal Parameters** .

You can set **Working Mode** as **Access Control Mode**. The access control mode is the device normal mode. You should authenticate your credential for accessing.

Click **Save** to save the settings after the configuration.

Set Wiegand Parameters

You can set the Wiegand transmission direction.

Steps

Note

Some device models do not support this function. Refer to the actual products when configuration.

1. Click **Configuration → Access Control → Wiegand Settings** .
2. Check **Wiegand** to enable the Wiegand function.
3. Set a transmission direction.

   Input

   The device can connect a Wiegand card reader.

   Output

   The can connect an external access controller. And the two devices will transmit the card No. via Wiegand 26 or 34.
4. Click **Save** to save the settings.

Note

If you change the peripheral, and after you save the device parameters, the device will reboot automatically.

9.6.12 Video Intercom Settings

Set Video Intercom Parameters

The device can be used as a door station, outer door station, or access control device. You should set the device No. before usage.

Click **Configuration → Intercom → Device No.** .

If set the device type as **Door Station** or **Access Control Device**, you can set the floor No., door station No., and click **More** to set **Community No.**, **Building No.**, and **Unit No.**

Click **Save** to save the settings after the configuration.

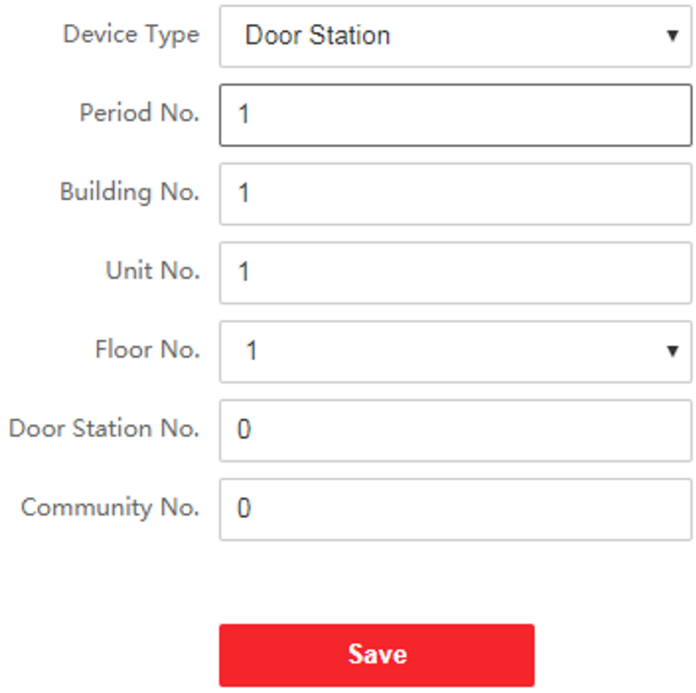


Figure 9-7 Device No. Settings

Device Type

The device can be used as a door station or outer door station. Select a device type from the drop-down list.

Note

If you change the device type, you should reboot the device.

Floor No.

Set the device installed floor No.

Door Station No.

Set the device installed floor No.

Note

- If you change the No., you should reboot the device.
- The main door station No. is 0, and the sub door station No. ranges from 1 to 16.

Community No.

Set the device community No.

Building No.

Set the device building No.

Unit No.

Set the device unit No.

Note

If you change the No., you should reboot the device.

If set the device type as **Outer Door Station**, you can set outer door station No., and community No.

Outer Door Station No.

If you select outer door station as the device type, you should enter a number between **1** and **99**.

Note

If you change the No., you should reboot the device.

Community No.

Set the device community No.

Set Linked Network Settings

Click **Configuration → Intercom → Linked Network Settings** .
You can set the device type, the SIP server's IP address, and the main station's IP address.
After setting the parameters, you can communicate among the access control device, door station, indoor station, main station, and the platform.
Click **Save** to save the settings after the configuration.

Press Button to Call

Steps

1. Click **Configuration → Intercom → Press Button to Call** to enter the settings page.

2. Check **Call Indoor Station**, **Call Specified Indoor Station**, **Call Management Center** or **APP** at your needs.

Note

If you check **Call Specified Indoor Station**, you need to enter the number of the indoor station.

3. Click **Save**.

Linked Network Settings

Enable the communication between access control device, and video intercom server.

Steps

1. Click **Configuration → Intercom → Linked Settings** to enter the settings page.
2. Set parameters.

SIP Server IP Address

Set the IP address of the SIP server.

Main Station IP

IP address of the main station.

3. Click **Save**.

9.6.13 Card Settings

Set Card Security

Click **Configuration → Card Settings → Card Type** to enter the settings page.

Set the parameters and click **Save**.

Enable NFC Card

In order to prevent the mobile phone from getting the data of the access control, you can enable NFC card to increase the security level of the data.

Note

Disable NFC card cannot completely avoid presenting NFC card.

Enable M1 Card

Enable M1 card and authenticating by presenting M1 card is available.

M1 Card Encryption

Sector

M1 card encryption can improve the security level of authentication.

Enable the function and set the encryption sector. By default, Sector 13 is encrypted. It is recommended to encrypt sector 13.

Enable EM Card

Enable EM card and authenticating by presenting EM card is available.

Enable DESFire Card

The device can read the data from DESFire card when enabling the DESFire card function.

Enable FeliCa Card

The device can read the data from FeliCa card when enabling the FeliCa card function.

Set Card No. Authentication Parameters

Set the card reading content when authenticate via card on the device.

Go to **Configuration → Card Settings → Card No. Authentication Settings** .

Select a card authentication mode and click **Save**.

Full Card No.

All card No. will be read.

Wiegand 26 (3 bytes)

The device will read card via Wiegand 26 protocol (read 3 bytes).

Wiegand 34 (4 bytes)

The device will read card via Wiegand 34 protocol (read 4 bytes).

9.6.14 Time and Attendance Status Settings

Set time and attendance status, for example, manual, auto, manual and auto.

Set Manual Attendance via Web

Set the attendance mode as manual, and you should select a status manually when you take attendance.

Before You Start

Add at least one user, and set the user's authentication mode. For details, see *User Management*.

Steps

1. Click **Configuration → Attendance** to enter the settings page.
2. Set the **Attendance Mode** as **Manual**.
3. Enable the **Attendance Status Required** and set the attendace status lasts duration.
4. Enable a group of attendance status.

Note

The Attendance Property will not be changed.

5. **Optional:** Select an status and change its name if required.

Result

You should select an attendance status manually after authentication.

Note

If you do not select a status, the authentication will be failed and it will not be marked as a valid attendance.

Set Auto Attendance via Web

Set the attendance mode as auto, and you can set the attendance status and its available schedule. The system will automatically change the attendance status according to the configured schedule.

Before You Start

Add at least one user, and set the user's authentication mode. For details, see *User Management*.

Steps

1. Click **Configuration → Attendance** to enter the settings page.
2. Set the **Attendance Mode** as **Auto**.
3. Enable the **Attendance Status** function.
4. Enable a group of attendance status.

Note

The Attendance Property will not be changed.

5. **Optional:** Select an status and change its name if required.
6. Set the status' schedule. Refers to for details.

Set Manual and Auto Attendance via Web

Set the attendance mode as **Manual and Auto**, and the system will automatically change the attendance status according to the configured schedule. At the same time you can manually change the attendance status after the authentication.

Before You Start

Add at least one user, and set the user's authentication mode. For details, see *User Management*.

Steps

1. Click **Configuration → Attendance** to enter the settings page.
2. Set the **Attendance Mode** as **Manual and Auto**.
3. Enable the **Attendance Status** function.

4. Enable a group of attendance status.

Note

The Attendance Property will not be changed.

5. **Optional:** Select an status and change its name if required.
6. Set the status' schedule. Refers to for details.

Result

On the initial page and authenticate. The authentication will be marked as the configured attendance status according to the schedule. If you tap the edit icon on the result tab, you can select a status to take attendance manually, the authentication will be marked as the edited attendance status.

Example
If set the **Break Out** as Monday 11:00, and **Break In** as Monday 12:00, the valid user's authentication from Monday 11:00 to 12:00 will be marked as break.

9.6.15 Set Privacy Parameters

Set the event storage type, picture upload and storage parameters, and the picture clearing parameters.

Go to **Configuration → Security → Privacy Settings**

Event Storage Settings

Select a method to delete the event. You can select from **Delete Old Events Periodically**, **Delete Old Events by Specified Time**, or **Overwriting**.

Delete Old Events Periodically

Drag the block or enter number to set the period for event deleting. All events will be deleted according to the configured time duration.

Delete Old Events by Specified Time

Set a time and all events will be deleted on the configured time.

Overwriting

The earliest 5% events will be deleted when the system detects the stored events has been over 95% of the full space.

Authentication Settings

Display Authentication Result

You can check **Face Picture**, **Name**, **Employee ID** and **Temperature** to display the authentication result.

Name De-identification

You can check **Name De-identification**, and the whole name will not be displayed.

Picture Uploading and Storage

Save Picture When Authenticating

Save picture when authenticating automatically.

Upload Picture When Authenticating

Upload the pictures when authenticating to the platform automatically.

Save Registered Picture

The registered face picture will be saved to the system if you enable the function.

Save Pictures After Linked Capture

If you enable this function, you can save the picture captured by linked camera to the device.

Upload Picture After Linked Capture

Upload the pictures captured by linked camera to the platform automatically.

Capture Resolution

The resolution of the captured pictures is auto by default.

Capture Compression Quality

The compression quality of the captured pictures is low by default.

Save Thermographic Picture

If you enable this function, you can save the thermographic picture captured to the device.

Upload Thermographic Picture

Upload thermographic picture captured to the platform automatically.

Clear All Pictures in Device

Note

All pictures cannot be restored once they are deleted.

Clear Registered Face Pictures

All registered pictures in the device will be deleted.

Clear Captured Pictures

All captured pictures in the device will be deleted.

9.6.16 Temperature Measurement Settings

You can set the temperature measurement parameters, including temperature measurement only, temperature unit, over-temperature threshold, temperature compensation, door not open when temperature is abnormal, etc.

Steps

1. Click **Configuration → Temperature → Temperature Settings** .
2. Enable **Temperature Measurement**.
3. Configure the temperature measurement parameters.

   Temperature Measurement Only

   When enabling the function, the device will not authenticate the permissions, but only take the temperature. When disabling the function, the device will authenticate the permissions and at the same time take the temperature.

   Capture White Light Picture

   After enabling **Temperature Measurement Only**, you can enable **Capture White Light Picture**. After enabling this function, the device will capture white light picture.

   Unit

   Select a temperature unit according to your preference.

   Over-Temperature Alarm Threshold (Max./Min.)

   Edit the threshold according to actual situation. If the detected temperature is higher or lower than the configured parameters, an alarm will be triggered. By default, the value is 37.3°.

   Temperature Compensation

   If the measured temperature is higher/lower than the actual object's temperature, you can set the compensation temperature here. Available range: -99 °C to 99 °C.

   Door Not Open When Temperature is Abnormal

   When enabling the function, the door will not open when the detected temperature is higher or lower than the configured temperature threshold. By default, the function is enabled.
4. Click **Save**.

9.6.17 Set Biometric Parameters

Set Basic Parameters

Click **Configuration → Smart → Smart** .

Note

The functions vary according to different models. Refers to the actual device for details.

Figure 9-8 Smart Settings Page

Click **Save** to save the settings after the configuration.

Face Anti-spoofing

Enable or disable the live face detection function. If enabling the function, the device can recognize whether the person is a live one or not.

Note

- Biometric recognition products are not 100% applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes.
- After disabling face anti-spoofing function, there will be spoofing recognition risks.

Anti-Spoofing Detection Level

After enabling the face anti-spoofing function, you can set the matching security level when performing live face authentication.

Recognition Distance

Select the distance between the authenticating user and the device camera.

Pitch Angle

The maximum pitch angle when starting face authentication.

Yaw Angle

The maximum yaw angle when starting face authentication.

Face Picture Quality Grade for Applying

Set the face picture quality grade according to your needs.

1:1 Matching Threshold

Set the matching threshold when authenticating via 1:1 matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate.

Note

You are recommended to retain the default value. The adjustment will affect the face misidentification rate and rejection rate.

1:N Matching Threshold

Set the matching threshold when authenticating via 1:N matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate.

Note

You are recommended to retain the default value. The adjustment will affect the face misidentification rate and rejection rate.

Face Recognition Timeout Value

Set the timeout value when face recognizing. If the face recognition time is longer than the configured value, the system will pop up a prompt.

ECO Mode

After enabling the ECO mode, the device will use the IR camera to authenticate faces in the low light or dark environment. And you can set the ECO mode threshold, ECO mode (1:N), and ECO mode (1:1).

Note

After enabling ECO mode, the face will be recognized in weak light or no light environment. After disabling ECO mode, face recognition effect will decline in weak light or no light environment.

ECO Mode Threshold

The larger the value, the device enter the ECO Mode easier.

ECO Mode (1:1)

Set the matching threshold when authenticating via ECO mode 1:1 matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate.

ECO Mode (1:N)

Set the matching threshold when authenticating via ECO mode 1:N matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate

Face with Mask Detection

After enabling the face with mask detection, the system will recognize the captured face with mask picture or not. You can set face with mask1:N matching threshold, it's ECO mode, and the strategy.

Note

After enabling Face with Mask Detection function, recognition effect of people without mask will be influenced.

None

The function is disabled. The device will not detect whether a person is wearing a face mask or not.

Reminder of Wearing Face Mask

If the person do not wear the face mask when authenticating, the device will pop up a prompt and the door will open.

Must Wear Face Mask

If the person do not wear the face mask when authenticating, the device will pop up a prompt and the door will keep closed.

Face with Mask & Face (1:1)

Set the matching value when authenticating with face mask via 1:1 matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate.

Face with Mask 1:N Matching Threshold

Set the matching threshold when authenticating with face mask via 1:N matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate.

Face with Mask & Face (1:1 ECO)

Set the matching value when authenticating with face mask via ECO mode 1:1 matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate.

Face with Mask 1:N Matching Threshold (ECO Mode)

Set the matching threshold when authenticating with face mask via ECO mode 1:N matching mode. The larger the value, the smaller the false accept rate and the larger the false rejection rate.

Enable Hard Hat Detection

After enabling the hard hat detection, you can set the strategy.

None

The function is disabled. The device will not detect whether a person is wearing a hard hat or not.

Reminder of Wearing

If the person do not wear the hard hat when authenticating, the device will pop up a prompt and the door will open.

Must Wear

If the person do not wear the hard hat when authenticating, the device will pop up a prompt and the door will keep closed.

Set Recognition Area

Click **Configuration → Smart → Area Configuration** .
Drag the yellow frame in the live video or enter values for the left, right, top, and bottom margin to adjust the recognition area. Only the face within the area can be recognized by the system.
Click **Save** to save the settings.

9.6.18 Preference Settings

Set the theme, notice publication, prompt schedule, custom prompt, and authentication result text.

Set Preference

You can set the display theme and the sleep time for the device.

Set Theme

Click **Configuration → Preference** .

Sleep

Enable **Sleep** and the device will enter the sleep mode when no operation within the configured sleep time.

Display Mode

You can select display theme for device authentication. You can select **Display Mode** as **Authentication**, **Simple** or **Advertisement**. When you select **Simple**, the information of name, ID, face picture will be not displayed.

Notice Publication

You can set the notice publication for the device.

Click **Configuration → Preference → Notice Publication** .

Theme Management

Click **Media Library Management → +** to upload the picture from the local PC.

You can click **+**, and set **Name** and **Type** to create a theme. After creating the theme, click **+** in the **Theme Management** panel to select pictures in the media library. Click **OK** to add pictures to the theme.

Customize Audio Content

Customize the output audio content when authentication succeeded and failed.

Steps

1. Click **Configuration → Preference → Prompt Schedule** .

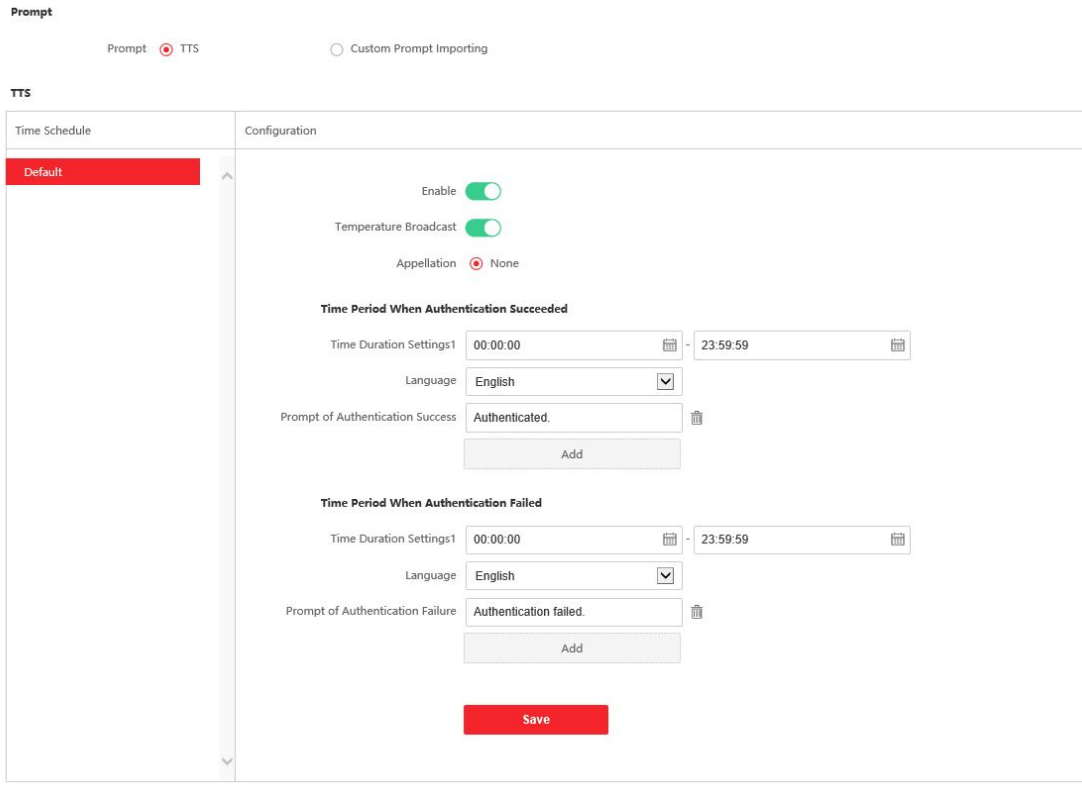


Figure 9-9 Customize Audio Content

2. Enable the function.
3. **Optional:** Click to enable **Temperature Broadcast**.
4. Set the appellation.
5. Set the time period when authentication succeeded.
   1) Click **Add Time Duration**.
   2) Set the time duration and the language.

   Note

   If authentication is succeeded in the configured time duration, the device will broadcast the configured content.

   3) Enter the audio content.
   4) **Optional:** Repeat substep 1 to 3.
   5) **Optional:** Click to delete the configured time duration.
6. Set the time duration when authentication failed.
   1) Click **Add Time Duration**.
   2) Set the time duration and the language.

Note

If authentication is failed in the configured time duration, the device will broadcast the configured content.

3) Enter the audio content.
4) **Optional:** Repeat substep 1 to 3.
5) **Optional:** Click to delete the configured time duration.

7. Click **Save**.

Customize Prompt Voice

You can customize prompt voices for the device.

Steps

1. Click **Configuration → Preference → Custom Prompt** .
2. Click → and import audio file from local PC according to your actual needs.

Note

The uploaded audio file should be less than 512 kb, in WAV format.

Configure Authentication Result Text

Steps

1. Go to **Configuration → Preference → Authentication Result Text** .
2. Enable **Customize Authentication Result Text**.
3. Enter custom texts.
4. Click **Save**.

9.6.19 Upgrade and Maintenance

Reboot device, restore device parameters, and upgrade device version.

Reboot Device

Click **Maintenance and Security → Maintenance → Restart** .
Click **Restart** to reboot the device.

Upgrade

Click **Maintenance and Security → Maintenance → Upgrade** .
Select an upgrade type from the drop-down list. Click and select the upgrade file from your local PC. Click **Upgrade** to start upgrading.
If the device has been connected to Hik-Connect and network, when there is a new installation package in Hik-Connect, you can click **Upgrade** after Online Update to upgrade the device system.

Note

Do not power off during the upgrading.

Restore Parameters

Click **Maintenance and Security → Maintenance → Backup and Reset** .

Restore All

All parameters will be restored to the factory settings. You should activate the device before usage.

Restore

The device will restore to the default settings, except for the device IP address and the user information.

Import and Export Parameters

Click **Maintenance and Security → Maintenance → Backup and Reset** .

Export

Click **Export** to export the device parameters.

Note

You can import the exported device parameters to another device.

Import

Click and select the file to import. Click **Import** to start import configuration file.

Click **Advanced Settings**, and enter the admin password.

Face Parameter

Custom Anti-Spoofing Detection

Face Liveness Level

After enabling face anti-spoofing function, you can set the matching security level when performing live face authentication.

Anti-Spoofing Detection Threshold

The larger the value, the smaller the false accept rate and the larger the false rejection rate. The smaller the value, the larger the false accept rate and the smaller the false rejection rate.

Lock Face for Anti-Spoofing Protection

After enabling this function, the device will lock automatically when anti-spoofing detection failed.

Lock Duration

The lock duration after enabling **Lock Face for Anti-Spoofing Protection** when anti-spoofing detection failed.

Unlock

You can click **Unlock** according to your needs.

Version Information

You can view the device information.

9.6.20 Device Debugging

You can set device debugging parameters.

Steps

1. Click **Maintenance and Security → Maintenance → Device Debugging** .
2. You can set the following parameters.

Enable SSH

To raise network security, disable SSH service. The configuration is only used to debug the device for the professionals.

Print Log

You can click **Export** to export log.

Capture Network Packet

You can set the **Capture Packet Duration**, **Capture Packet Size**, and click **Start Capture** to capture.

9.6.21 Log Query

You can search and view the device logs.

Go to **Maintenance and Security → Maintenance → Log** .

Set the major and minor type of the log type. Set the start time and end time for searching, and click **Search**.

The results will be displayed below, which including the No., time, the major type the minor type, the channel No., the local/remote user information, the remote host IP, etc.

9.6.22 Security Mode Settings

Set the security mode for logging in the client software.

On the Device for Management page, click **Maintenance and Security → Security → Security Service** .

Select a security mode, and click **Save**.

Security Mode

High security level for user information verification when logging in the client software.

Compatible Mode

The user information verification is compatible with the old client software version when logging in.

9.6.23 Certificate Management

It helps to manage the server/client certificates and CA certificate.

Note

The function is only supported by certain device models.

Create and Install Self-signed Certificate

Steps

1. Go to **Configuration → System → Security → Certificate Management** .
2. In the **Certificate Files** area, select a **Certificate Type** from the drop-down list.
3. Click **Create**.
4. Input certificate information.
5. Click **OK** to save and install the certificate.

   The created certificate is displayed in the **Certificate Details** area.

   The certificate will be saved automatically.
6. Download the certificate and save it to an asking file in the local computer.
7. Send the asking file to a certification authority for signature.
8. Import the signed certificate.
   1) Select a certificate type in the **Import Passwords** area, and select a certificate from the local, and click **Install**.
   2) Select a certificate type in the **Import Communication Certificate** area, and select a certificate from the local, and click **Install**.

Install Other Authorized Certificate

If you already has an authorized certificate (not created by the device), you can import it to the device directly.

Steps

1. Go to **Configuration → System → Security → Certificate Management** .
2. In the **Import Passwords** and **Import Communication Certificate** areas, select certificate type and upload certificate.

3. Click **Install**.

Install CA Certificate

Before You Start

Prepare a CA certificate in advance.

Steps

1. Go to **Configuration → System → Security → Certificate Management** .
2. Create an ID in the **Inport CA Certificate** area.

   Note

   The input certificate ID cannot be the same as the existing ones.
3. Upload a certificate file from the local.
4. Click **Install**.

Chapter 10 Other Platforms to Configure

You can also configure the device via iVMS-4200 Client Software or HikCentral Access Control. For details, see the platforms' user manual.

iVMS-4200 Client Software

Click/tap the link to view the client software's user manual.

http://enpinfodata.hikvision.com/analysisQR/showQR/ca930247

HikCentral Access Control (HCAC)

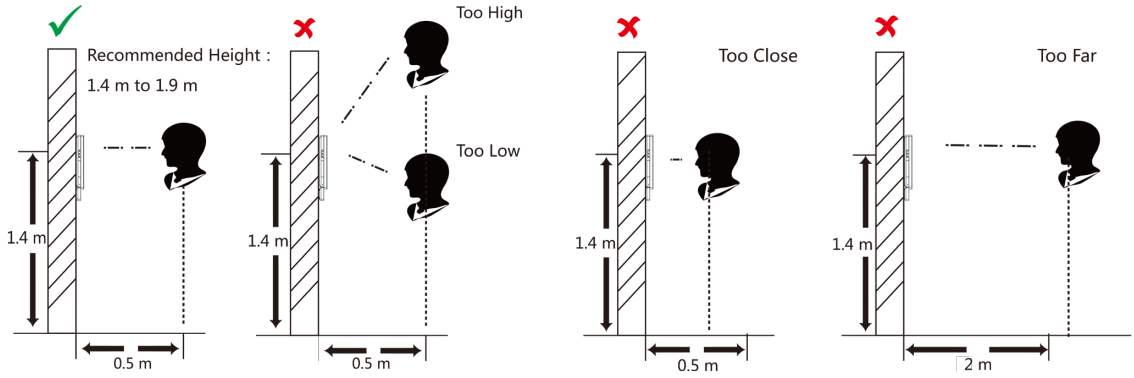
Click/tap the link to view the HCAC's user manual.

http://enpinfodata.hikvision.com/analysisQR/showQR/f2f6cf42

Appendix A. Tips When Collecting/Comparing Face Picture

The position when collecting or comparing face picture is as below:

Positions (Recommended Distance: 0.5 m)



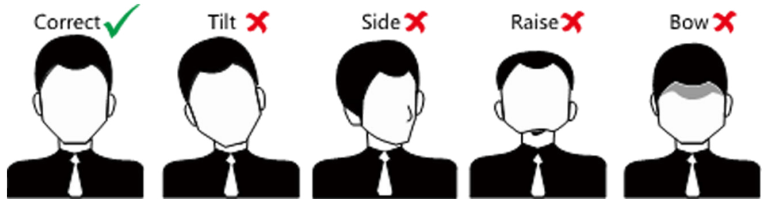
Expression

- Keep your expression naturally when collecting or comparing face pictures, just like the expression in the picture below.

- Do not wear hat, sunglasses, or other accessories that can affect the facial recognition function.
- Do not make your hair cover your eyes, ears, etc. and heavy makeup is not allowed.

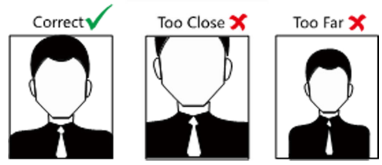
Posture

In order to get a good quality and accurate face picture, position your face looking at the camera when collecting or comparing face pictures.



Size

Make sure your face is in the middle of the collecting window.



Appendix B. Tips for Installation Environment

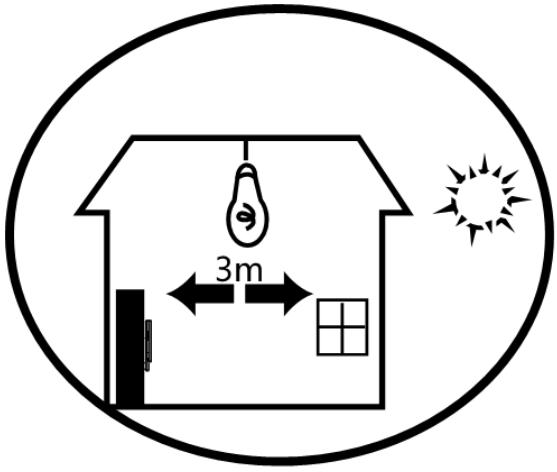
1. Light Source Illumination Reference Value

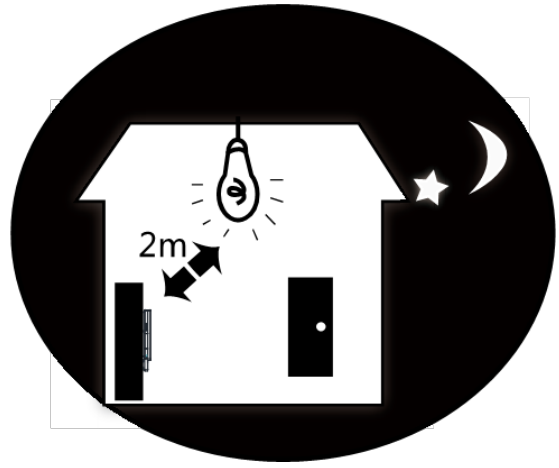
Candle: 10Lux

Bulb: 100~850Lux

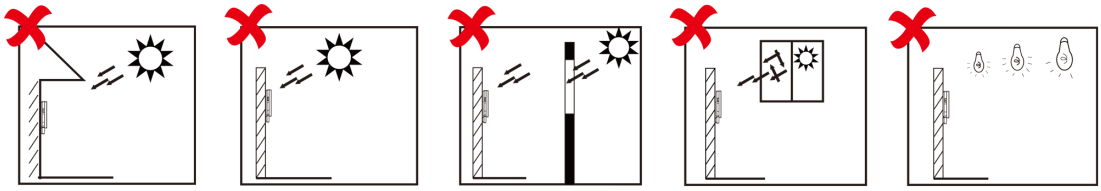
Sunlight: More than 1200Lux

2. Install the device at least 2 meters away from the light, and at least 3 meters away from the window or door.



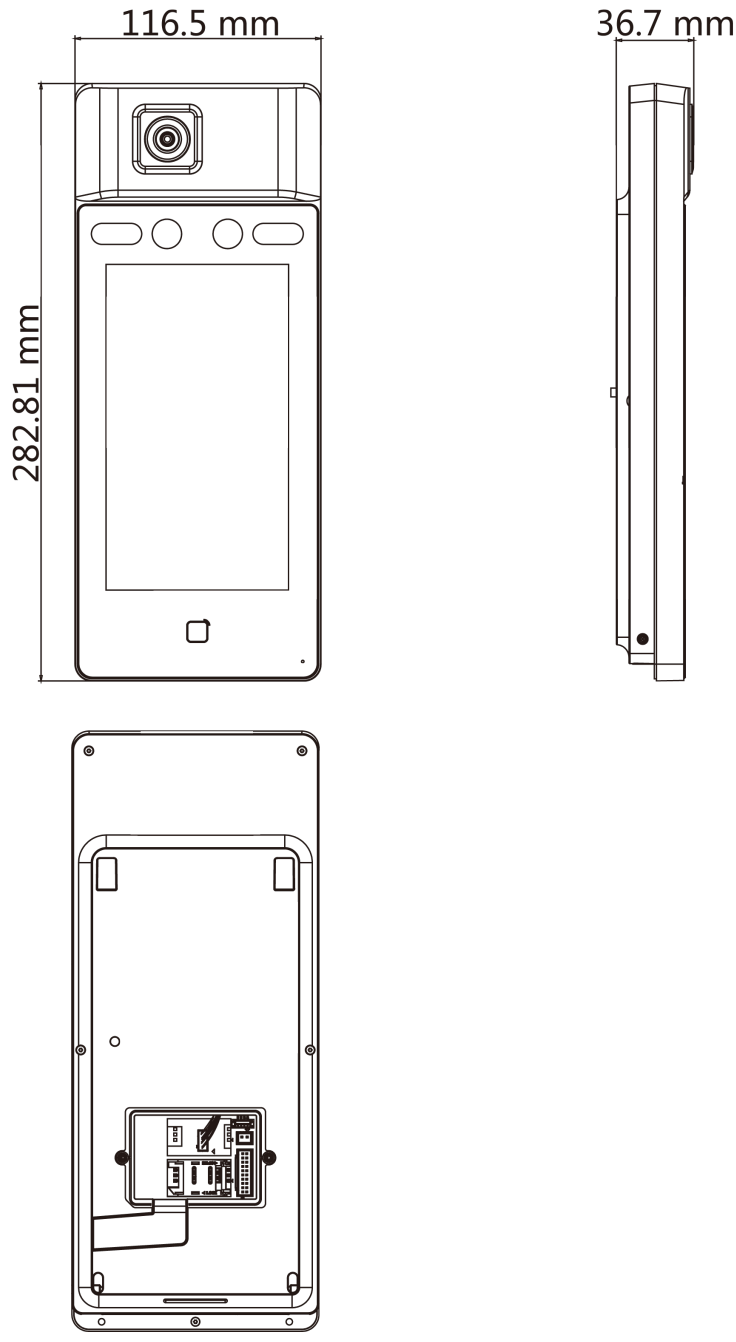


3.Avoid backlight, direct and indirect sunlight



Backlight | Direct Sunlight | Direct Sunlight through Window | Indirect Sunlight through Window | Close to Light

Appendix C. Dimension



See Far, Go Further