DS-KD9203 Series Video Intercom Face Recognition Door Station

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.
ℹ **Note**	Provides additional information to emphasize or supplement important points of the main text.

Safety Instruction

⚠ **Warning**

- 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. The power consumption cannot be less than the required value.
- 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.
- 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.)

⚠ **Caution**

- 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.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in case of some lithium battery types).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type. If a power adapter is provided in the device package, use the provided adapter only.
- If no power adapter is provided, ensure the power adapter or other power supply complies with Limited Power Source. Refer to the product label for the power supply output parameters.

Regulatory Information

EU Conformity Statement

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, the RoHS Directive 2011/65/EU

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

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

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.
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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

Contents

Chapter 1 About this Manual

Get the manual and related software from or the official website (http://www.hikvision.com).

Product	Model
Door Station	DS-KD9203 Series

Scan the QR code to get the User Manual for detailed information.

Chapter 2 Appearance

Door Station without Fingerprint Module

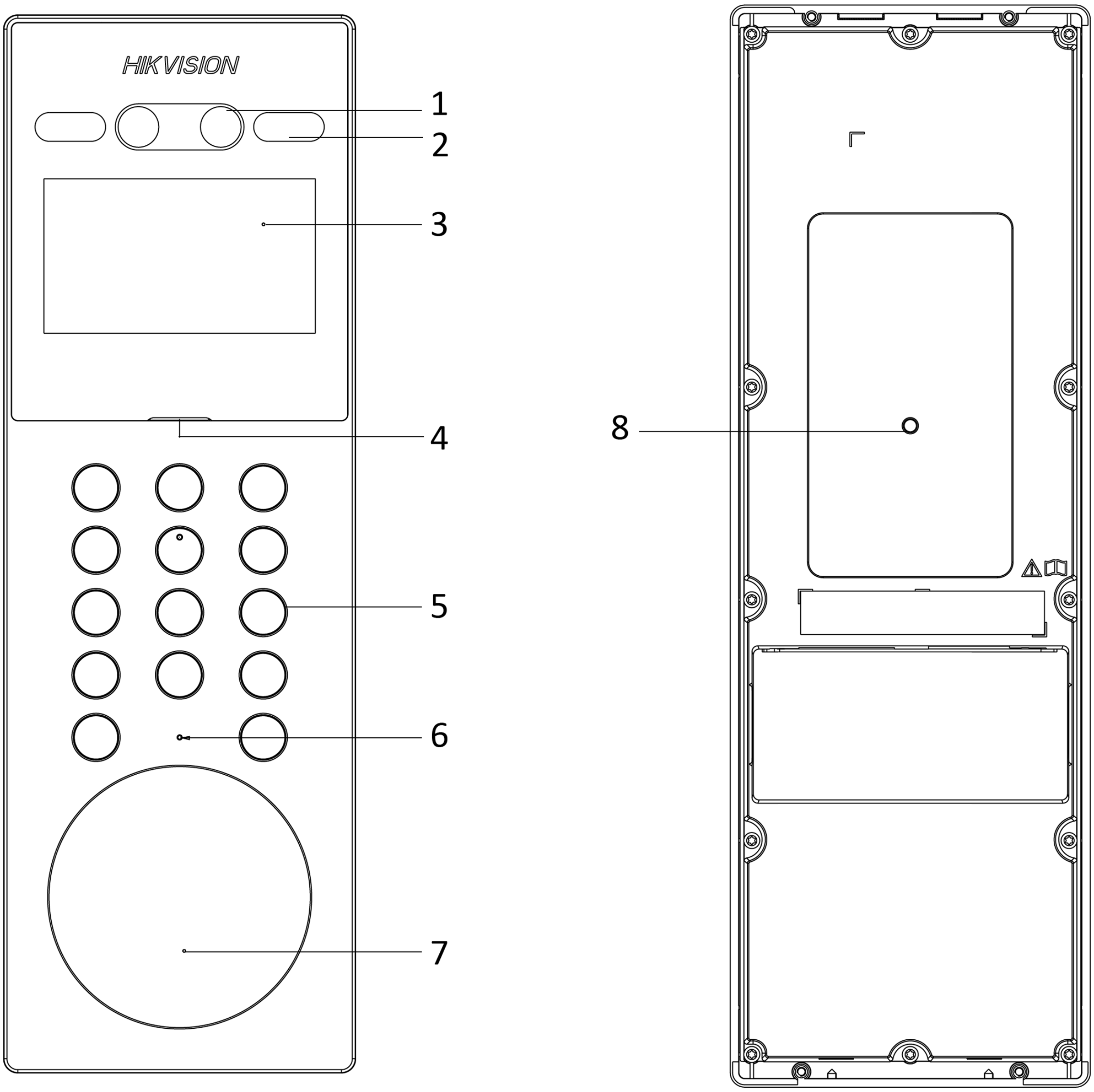


Figure 2-1 Appearance of Door Station without Fingerprint Module

Table 2-1 Description

No.	Description
1	Camera
2	IR Supplement Light
3	Screen
4	Loudspeaker
5	Buttons
6	Microphone
7	Card Reading Area
8	TAMPER

Door Station with Fingerprint Module

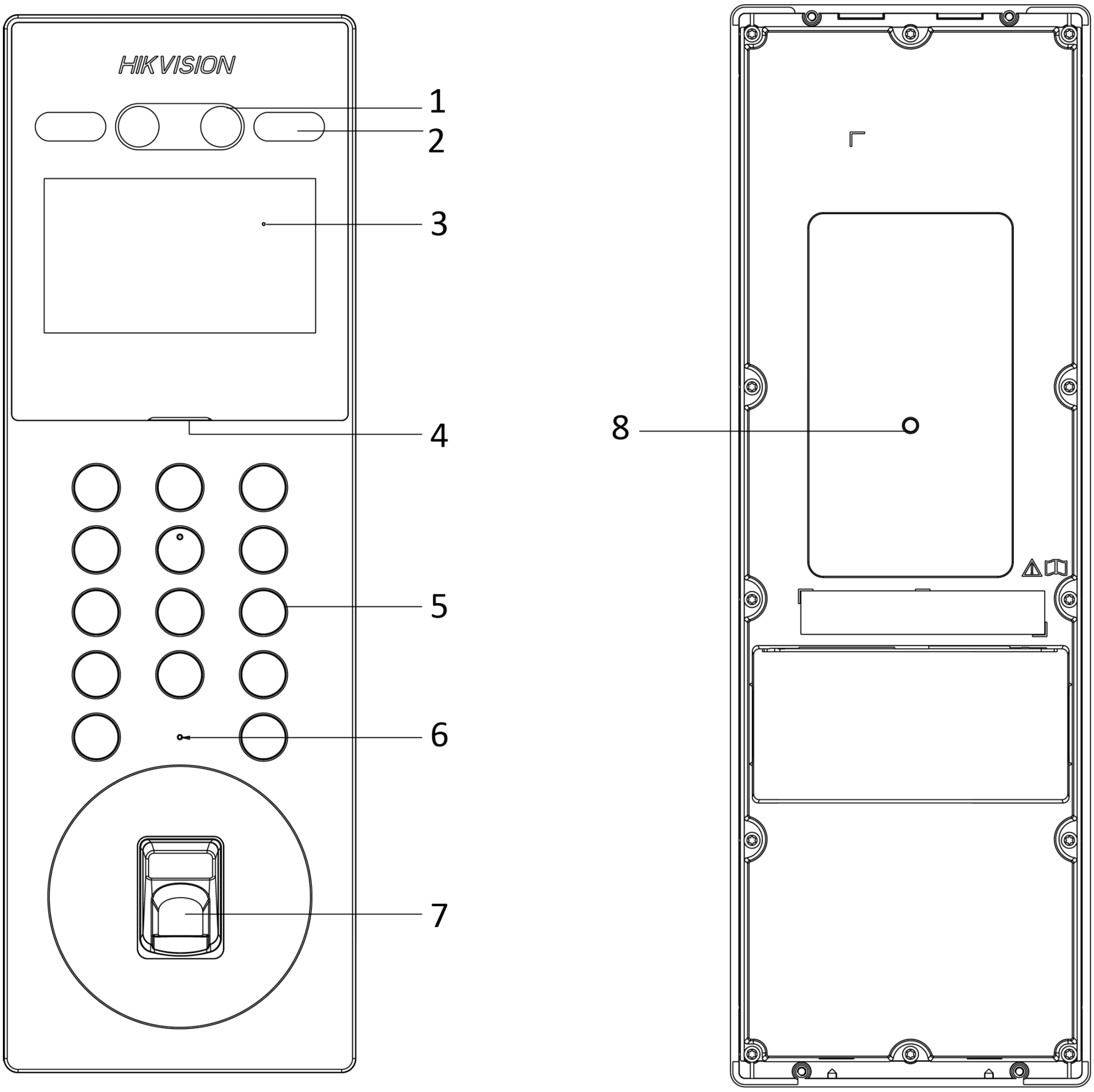


Figure 2-2 Appearance of Door Station with Fingerprint Module

Table 2-2 Description

No.	Description
1	Camera
2	IR Supplement Light
3	Screen
4	Loudspeaker

No.	Description
5	Buttons
6	Microphone
7	Card Reading Area/ Fingerprint Recognition Module
8	TAMPER

Chapter 3 Terminal and Wiring Description

3.1 Terminal Description

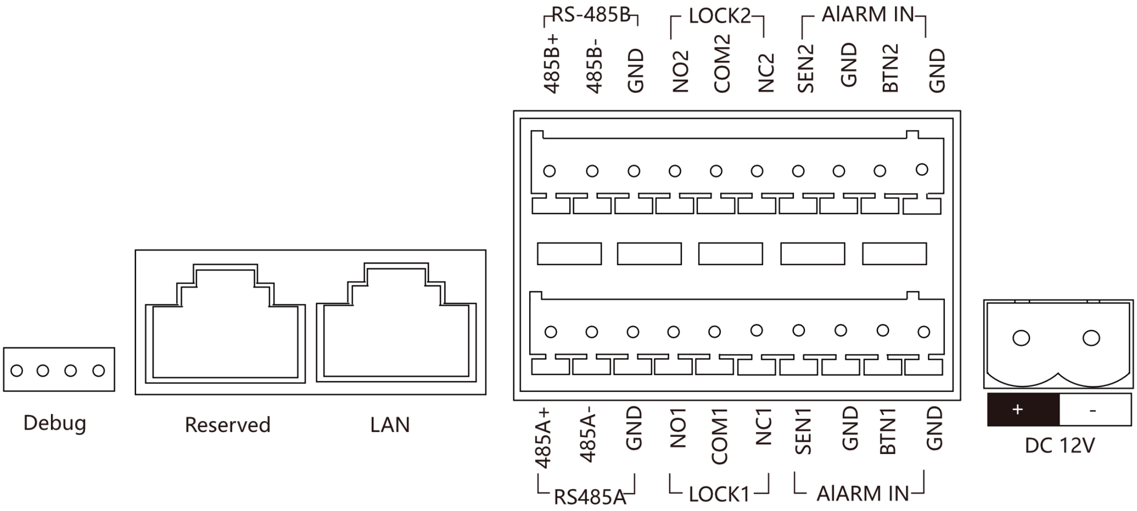


Figure 3-1 Terminal Description

Table 3-1 Description

Name	Terminal	Description
Network Interface	LAN	Network Signal Input
ALARM IN	SEN1	Door Contact Input 1
	SEN2	Door Contact Input 2
	BTN1	Exit Button Input 1
	BTN2	Exit Button Input 2
	GND	Grounding
RS-485	485A+	External RS-485 Card Reader
	485A-	
	485B+	External Elevator Controller
	485B-	
DOOR	NC1	Door Lock Relay Output 1(Normally Close)
	COM1	Common Interface 1

Name	Terminal	Description
	NO1	Door Lock Relay Output 1(Normally Open)
	GND	Grounding
	NC2	Door Lock Relay Output 2(Normally Close)
	COM2	Common Interface 2
	NO2	Door Lock Relay Output 2(Normally Open)
	GND	Grounding
Power Supply	DC 12 V	12 VDC Power Input

Note

- Alarm input interface cannot be edited. Refers to the actual model.
- You can only wire the SEN1/SEN2 terminal with the door contact. And wire the BTN1/BTN2 terminal with the exit button.

3.2 Wiring Description

3.2.1 Door Lock Wiring

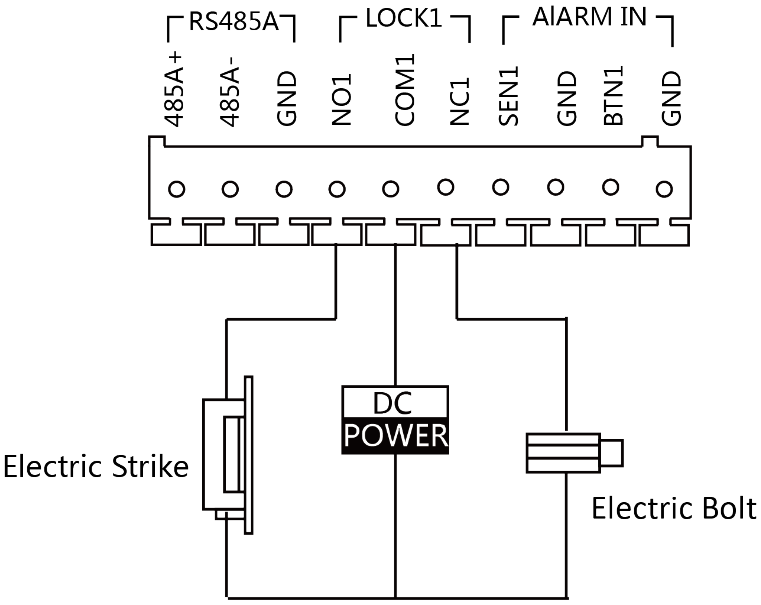


Figure 3-2 Door Lock Wiring

Note

- Terminal NC1/COM1 is set as default for accessing electric bolt. Terminal NO1/COM1 is set as default for accessing electric strike.
- To connect electric lock in terminal NO2/COM2/NC2, it is required to set the output of terminal NO2/COM2/NC2 to be electric lock with **iVMS-4200** Client Software.

3.2.2 Exit Button Wiring

Wire the BTN1/BTN2 terminal with the door contact.

Here takes BTN1 for example.

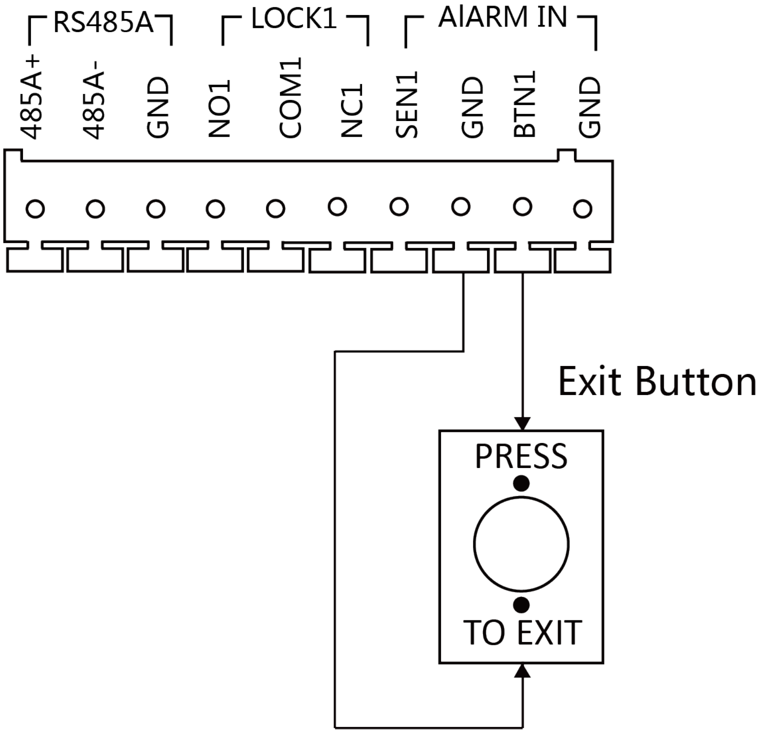


Figure 3-3 Exit Button Wiring

3.2.3 Door Contact Wiring

Wire the SEN1/SEN2 terminal with door contact.

Here takes SEN1 for example.

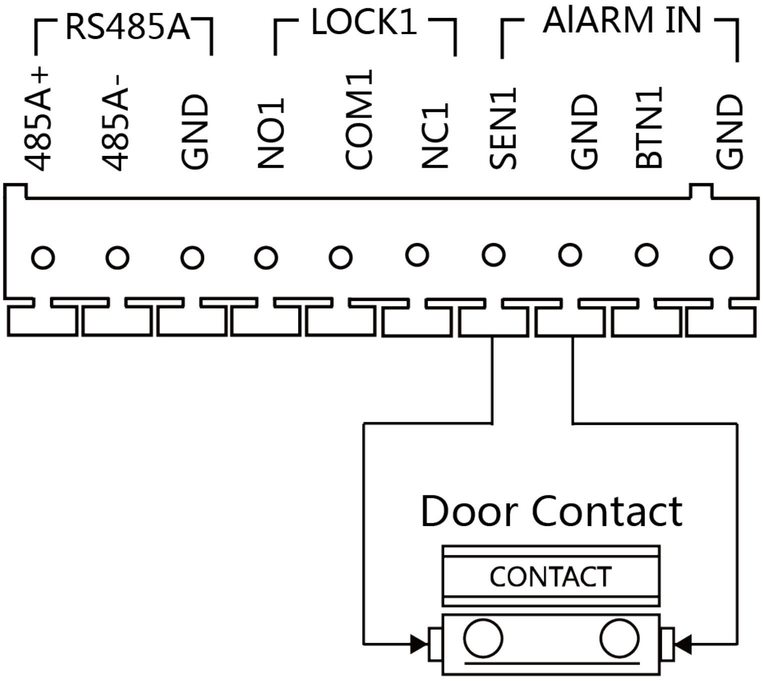


Figure 3-4 Door Contact Wiring

Chapter 4 Installation

Note

- Make sure the device in the package is in good condition and all the assembly parts are included.
- The power supply the door station supports is 12 VDC. Please make sure your power supply matches your door station.
- Make sure all the related equipment is power-off during the installation.
- Check the product specification for the installation environment.

4.1 Gang Box

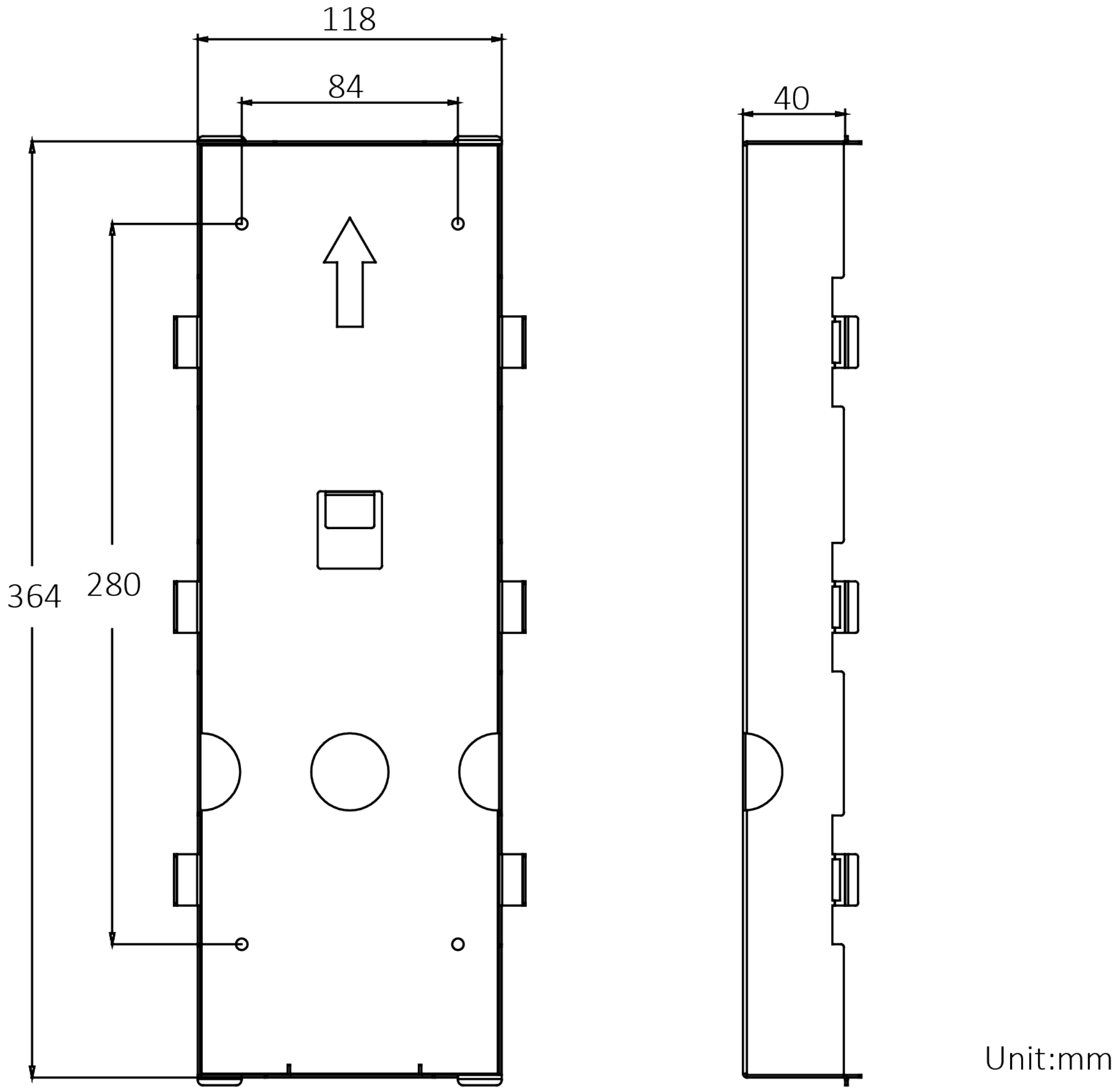


Figure 4-1 Dimension of the Gang Box

Note

- The dimension of the gang box is 364 mm (W) × 118 mm (H) × 40 mm (D).
- The installation hole should be bigger than the actual size. The suggested dimension of the installation hole is 364.3 mm (W) × 118.6 mm (H) × 40.2 mm (D).

4.2 Flush Mounting with Gang Box

Steps

1. Cave an installation hole in the wall. Pull the cable out from the wall.

   Note

   - The suggested dimension of the installation hole is 364.3 mm (W) × 118.6 mm (H) × 40.2 mm (D).
   - The suggested length of the cables left outside is 250 mm.

2. Install the gang box into the wall.
   1) Remove the plastic sheet of the gang box with the tool.
   2) Insert the gang box into the installation hole. Mark the gang box screw holes' position with a marker, and take out the gang box.
   3) Drill 4 holes according to the marks on the wall, and insert the expansion sleeves into the screw holes.
   4) Fix the gang box with 4 expansion bolts.
3. Fix the gap between the gang box and wall with concrete. Remove the mounting ears with tool after concrete is dry. Connect the cables according to the *Wiring Description*.
4. Insert the door station into the gang box. Slide the door station down and fix it with 2 set screws. Apply Silicone sealant among the joints between the device and the wall (except the lower side) to keep the raindrop from entering.

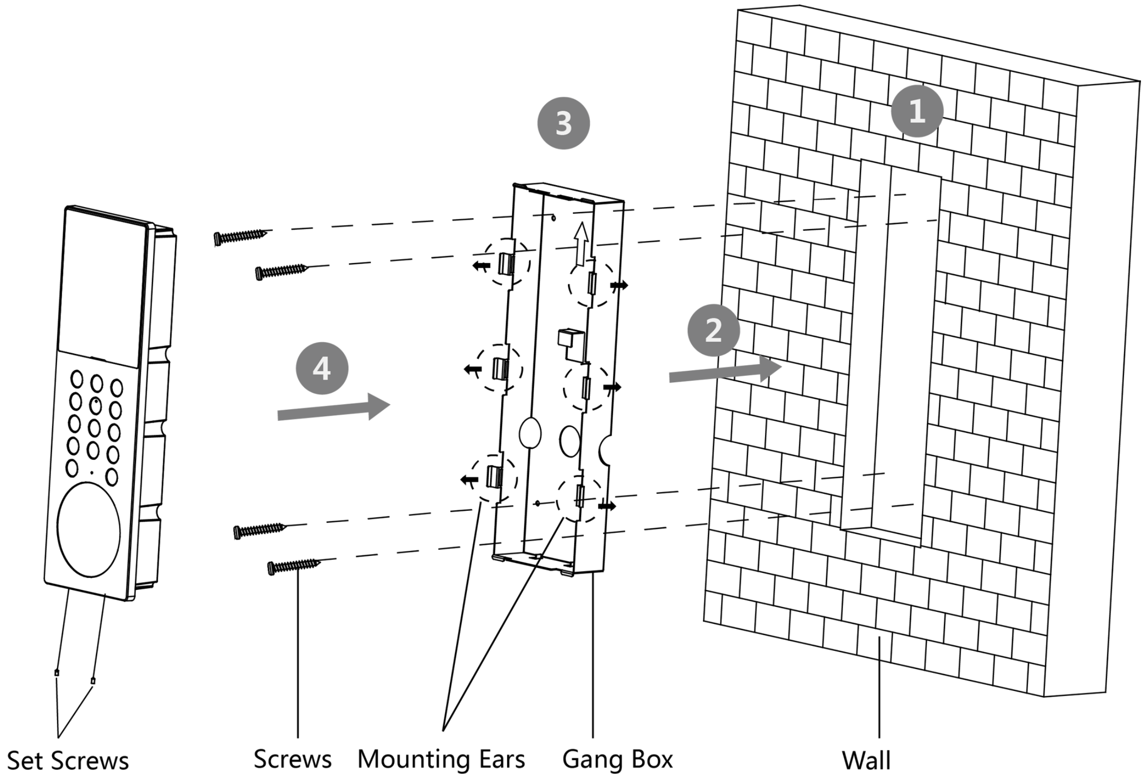


Figure 4-2 Flush Mounting with Gang Box

Chapter 5 Activation

5.1 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

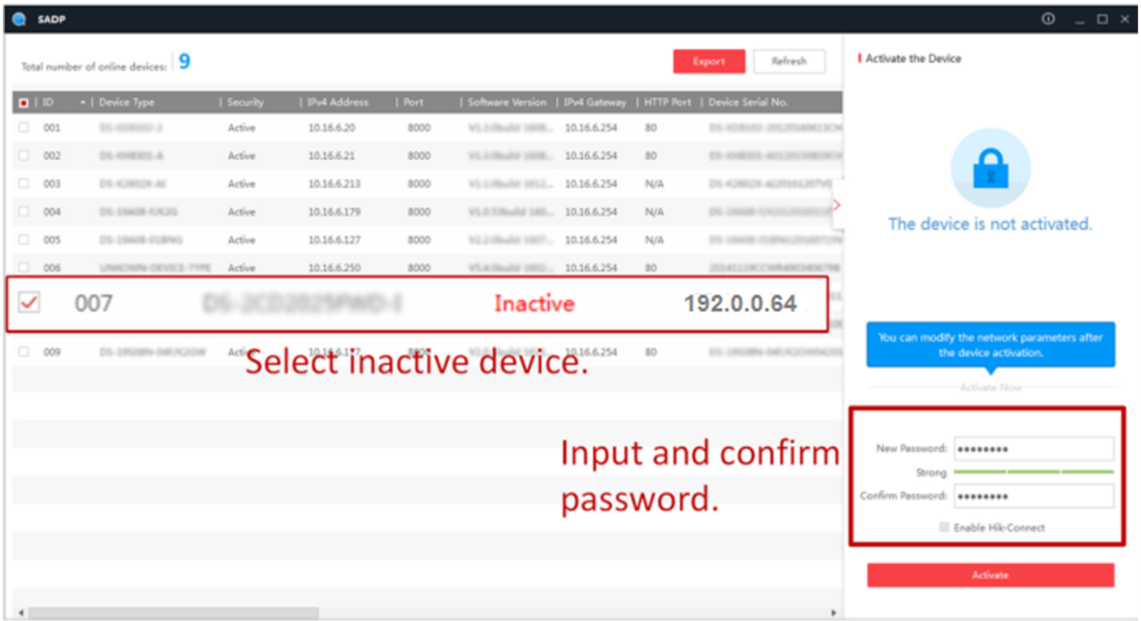
1. Run the SADP software and search the online devices.
2. Find and select your device in online device list.
3. Input new password (admin password) and confirm the password.

   ⚠ **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.

   ℹ **Note**

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


SADP
Total number of online devices: 9
Export
Refresh
007
Inactive
192.0.0.64
Select inactive device.
Input and confirm password.
Activate the Device
The device is not activated.
You can modify the network parameters after the device activation.
New Password:
Strong
Confirm Password:
Enable Hik-Connect
Activate

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.

5.2 Activate Device Locally

You are required to activate the device first by settings a strong password for it before you can use the device.

Steps

1. Power on the device to enter the activation page automatically.
2. Create a password and confirm it.

Table 5-1 Number Button Description

No.	Description	No.	Description
1	1	6	6mnoMNO
2	2abcABC	7	7pqrsPQRS
3	3defDEF	8	8tuvTUV
4	4ghiGHI	9	9wxyzWXYZ
5	5jklJKL	0	0

Hold 0 to enter special characters.

Table 5-2 Number Button Description

No.	Description	No.	Description
1	1,.#?	6	6_=+
2	2!@%	7	7[];:
3	3^$*	8	8"|<
4	4( )\	9	9>{}
5	5&/-		

Note

- The password required 8 to 16 characters.
- The way to enter the password, take button 2 as an example: Press 2 to enter the number '2' or hold 2 for 1.5 s and press 2 again to enter the character 'a'.
- When you have entered the password, press # to switch to confirm the password.
- Press * to delete the wrong charater.

3. Press # to select language.
4. After selection, press # to finish activation.

5.3 Activate Device via Client Software

You can only configure and operate the door station after creating a password for the device activation.

Default parameters of door station are as follows:

- Default IP Address: 192.0.0.65.
- Default Port No.: 8000.
- Default User Name: admin.

Steps

1. Run the client software, click **Maintenance and Management → Device Management → Device** to enter the page.
2. Click **Online Device**.
3. Select an inactivated device and click **Activate**.
4. Create a password, and confirm the password.

Caution

- The password should be 8 to 16 characters.
- The password should contain at least 2 of the following types: digits, lowercase letters, uppercase letters and special characters.
- Do not contain following characters in the password: the user name, 123, admin (case-insensitive), 4 or more continuously increasing or decreasing digits, or 4 or more consecutively repeated characters.
- The password strength of the device can be automatically checked. In order to increase the security of your product, we highly recommend you change the password of your own choosing. 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 service provider and/or end-user.
- (If the device supports AP mode, after the admin password is changed, the password of AP hotspot will be changed simultaneously.)

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

Note

- When the device is not activated, the basic operation and remote operation of device cannot be performed.
- You can hold the **Ctrl** or **Shift** key to select multiple devices in the online devices, and click the **Activate** button to activate devices in batch.

5.4 Activate via Web Browser

You can activate the device via the web browser.

Steps

1. Enter the device default IP address (192.0.0.65) 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

- The password should be 8 to 16 characters.
- The password should contain at least 2 of the following types: digits, lowercase letters, uppercase letters and special characters.

- Do not contain following characters in the password: the user name, 123, admin (case-insensitive), 4 or more continuously increasing or decreasing digits, or 4 or more consecutively repeated characters.
- The password strength of the device can be automatically checked. In order to increase the security of your product, we highly recommend you change the password of your own choosing. 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 service provider and/or end-user.
- (If the device supports AP mode, after the admin password is changed, the password of AP hotspot will be changed simultaneously.)

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 Local Operation

6.1 Local Configuration

When entering configuration page, the button is used as follows.

Table 6-1 Button Description

Button	Description	Button	Description
2	Previous	8	Next
*	Exit/Back	#	OK

6.1.1 Edit Network Parameters

After activating, you should edit the network parameters.

Steps

1. Hold ***** and **#** at the same time to enter the authentication page.
2. Authenticate via administrator.
   - Authenticate face/card/fingerprint to login.
   - Press **#** to enter the password to login.
3. Swritch to Network settings according to the tips on the page. Press **#** to enter the settings page.
4. Edit the parameters according to your needs.
5. Press ***** to save and exit.

6.1.2 Local Settings

Configure the local parameters (including but not limited to, edit numbers and edit recognition parameters).

Steps

1. Hold ***** and **#** at the same time to enter the authentication page.
2. Authenticate via administrator.
   - Authenticate face/card/fingerprint to login.
   - Press **#** to enter the password to login.
3. Switch to Local Settings according to the tips on the page.
4. Press **#** to enter the settings page.

Door Station Settings

Edit the parameters of the door station (including but not limited to, community No., building No., floor No., room No. and device mode).

Steps

1. Configure the parameters according to the actual needs.

   Note

   - Outer door station can only edit the Community No., Project No. and No.
   - The No. of the main door station is 0.
   - The No. of sub door stations should be larger than 0 and ranges from 1 to 8.
   - Each unit should add 1 main door station. Up to 8 sub door stations can be added to the main door station.

2. **Optional:** Enable the **Normally Open Mode** according to your needs.

   The door remains open.

3. **Optional:** Select the language.
4. After configuration, press * to save and exit.

Recognition with Mask

Steps

1. Enable **Face with Mask Detection**.
2. Select the **Passing Level of Face Mask Recognition**.
3. Edit the **Fce with Mask & Face 1:N Matching Threshold** and **Fce with Mask & Face 1:N Matching Threshold (ECO Mode)**.

6.1.3 Add Residents

User Management

You can add, edit and delete the informations of the users.

Steps

1. Hold * and # at the same time to enter the authentication page.
2. Authenticate via administrator.
   - Authenticate face/card/fingerprint to login.
   - Press # to enter the password to login.
3. Switch to User Management according to the tips on the page.
4. Press # to enter the settings page.

Note

You can edit and check user details including Room No., Floor No., Card, Face Picture, Fingerprint and User Permission etc., on **User Details** page.

Add Users

You can add cards, permissions and room No. for the users.

Steps

1. Select **+Add**, and press **#** to enter the adding page.
2. Edit the room No.
3. Add cards.
   1) Switch to the card and press # or present cards on the card reading area to add.
   2) Enter the card No. manually or present the card on the card reading area to get the card No. automatically.
   3) Press **#** to add.
4. Switch to the permisson and press # to set.
5. Press ***** to save and exit.

6.1.4 About

You can view the device model, system version and QR Code of the device.

Steps

1. Hold ***** and **#** at the same time to enter the authentication page.
2. Authenticate via administrator.
   - Authenticate face/card/fingerprint to login.
   - Press **#** to enter the password to login.
3. Swritch to About according to the tips on the page.
4. Press **#** to enter the page.

6.2 Video Intercom Operation

6.2.1 Call Resident

The door station can work as main/sub door station, and outer door station, which correspond to different calling resident modes respectively.

Call Resident from Main/Sub Door Station

Press any digit button on the main/sub door station page to enter the calling page.

Enter the room No. and press call button.

Call Resident from Outer Door Station

Press call button on the outer door station page to enter the calling page .
Enter 【Community No. + Building No. + # + Unit No. + # + Room No.】 and press call button to call resident.

Note

When Unit No. is one, it can be omitted. When Unit No. is omitted, Community No. must be omitted at the same time.

6.2.2 Call Center

Press any digit button on the main/sub door station page to enter the calling page.

Press center button to call., and press ***** to cancel during calling management center.

6.3 Unlock Door

6.3.1 Unlock by Password

Unlock by Pin

Choose **Call/Open** to enter the calling page.

Note

Resident Pin: Enter room No. and pin, then press #.
Person Pin: Enter pin, then press #.

Unlock by Public Password

Note

Make sure you have created the public password via iVMS-4200 Client Software remotely.

Tap **Call/Open** to enter the calling page.
Enter 【# + Public Password + #】, and tap unlock button.

6.3.2 Unlock by Presenting Card

Note

Make sure you have issued the card to the device. Refers to *User Management* for details.

Present the card on the card reading area to unlock.

6.3.3 Unlock by Fingerprint

Note

- Make sure you have added the fingerprint to the device.
- Fingerprint function may vary with different modules. Please refer to the actual devices.

Put your finger on the finger recognition module to unlock.

6.3.4 Unlock by Face

Note

Make sure you have added your face picture to the device. Refers to the *User Management* for details.

Face forward at the camera to unlock.

Chapter 7 Quick Operation via Web Browser

7.1 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.

During the whole process, you can click Exit in the top right of the web page to exit the page at any time.

7.2 Time Settings

Click in the top right of the web page to enter the wizard 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.

DST

You can view the DST start time, end time and bias time.

7.3 Privacy Settings

Set the picture uploading and storage parameters.

Click on 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 Auth.

Save picture when authenticating automatically.

Upload Picture When Auth.

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.

Click **Next** to save the settings and go to the next parameters. Or click **Skip** to skip privacy settings.

7.4 Administrator Settings

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 **Administrator Settings** page.
2. Enter the employee ID and name of the administrator.
3. Select a credential to add.

   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.

7.5 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 Network System Network** settings page.
2. Set the device type.

Note

- If set the device type as **Door Station**, you can set the**Community No.**, **Building No.**, **Unit No.**, **Floor No.** and **Door Station No.**.
- If set the device type as **Outer Door Station**, you can set**Outer Door Station No.** and **Community No.**.

Device Type

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

Community No.

Set the device community No.

Building No.

Set the device building No.

Unit No.

Set the device unit No.

Floor No.

Set the device installed floor No.

Door Station No.

Set the device installed door station No.

Note

The main door station No. is 0, and the sub door station No. ranges from 1 to 99.

Outer Door Station No.

Set the device installed outer door station No.

Note

The No. ranges from 1 to 99.

3. Set the video intercom network parameters.

Note

The device type is selected as **Door Station** by default. If you select another type, you can reboot device and go to **Configuration → Intercom** for intercom settings.

Registration Password

Set the registration password of the main station for communication. Set the registration password of the main station for communication.

Main Station IP

Enter the main station's IP address that used for communication.

Private Server IP

Refers to the SIP server IP. Enter the main station's IP address that used for communication. At this time the main station is used as a SIP server. Other intercom devices should registered to this server address to realize communication.

Enable Protocol 1.0

If enabled, the door station can be registered to the main station by old protocol version. If disabled, the door station can be registered to the main station by new protocol version.

4. Click **Complete** to save the settings after the configuration.

Chapter 8 Operation via Web Browser

8.1 Login

You can login via the web browser or the remote configuration of the client software.

Note

Make sure the device is activated.

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**.

Login via Remote Configuration of Client Software

Download and open the client software. After adding the device, click ⚙ to enter the Configuration page.

8.2 Forget Password

If you forget the password when logging in, you can change the password by email address or security questions.

Note

The function is supported when the PC/mobile phone is in the same network segment with the device.

On the login page, click **Forget Password**.

Select **Verification Mode**.

Security Question Verification

Answer the security questions.

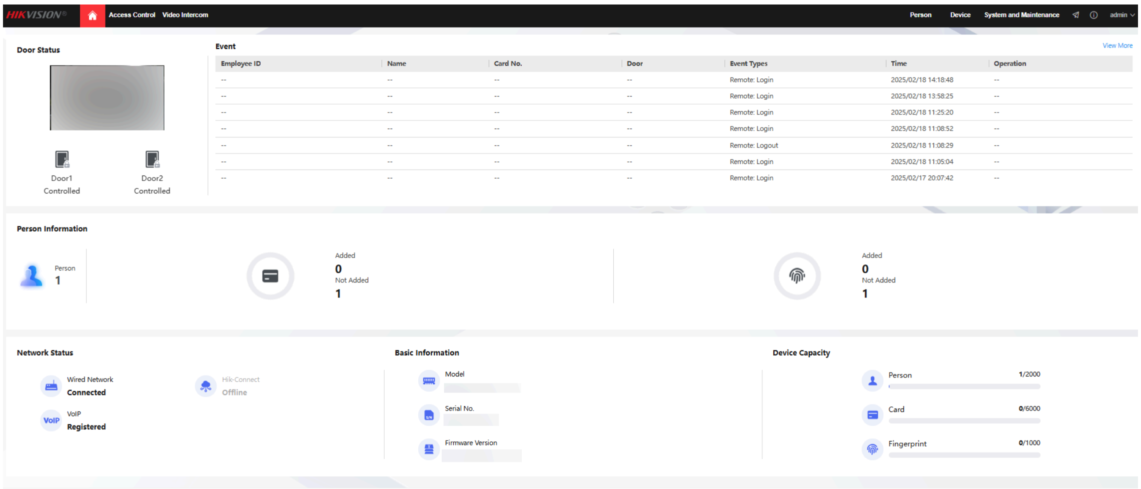
E-mail Verification

1. Export the QR code and send it to ***pw_recovery@hikvision.com*** as attachment.
2. You will receive a verification code within 5 minutes in your reserved email.
3. Enter the verification code into the verification code field to verify your identification.

Click **Next**, create a new password and confirm it.

8.3 Overview

You can view the live video of the device, real-time event, linked devices, person information, network status, basic information, and device capacity.



Door Status

Door1 Controlled

Door2 Controlled

Event

Employee ID	Name	Card No.	Door	Event Types	Time	Operation
--	--	--	--	Remote: Login	2025/02/18 14:18:48	--
--	--	--	--	Remote: Login	2025/02/18 13:58:25	--
--	--	--	--	Remote: Login	2025/02/18 11:25:20	--
--	--	--	--	Remote: Login	2025/02/18 11:08:52	--
--	--	--	--	Remote: Logout	2025/02/18 11:08:29	--
--	--	--	--	Remote: Login	2025/02/18 11:05:04	--
--	--	--	--	Remote: Login	2025/02/17 20:07:42	--

Person Information

Person 1

Added 0 Not Added 1

Added 0 Not Added 1

Network Status

Wired Network Connected

Hik-Connect Offline

VoIP Registered

Basic Information

Model

Serial No.

Firmware Version

Device Capacity

Person 1/2000

Card 0/6000

Fingerprint 0/1000

Figure 8-1 Overview Page

Function Descriptions:

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.

① ②

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

⛶

Full screen view.

🔓 / 🔒 / ▯ / ▯

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

Controlled Status

You can select open/closed/remaining open/remaining closed status according to your actual needs.

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 search conditions, including the event type, employee ID, the name, the card No., the time, the unit. Click **Search**. The results will be displayed on the right panel.

Person Information

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

Network Status

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

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.

8.4 Person Management

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

Add Basic Information

Click **Person → +Add** to enter the Add Person page.
Add the person's basic information, including the employee ID, the person's name, floor No., room No., etc.
Click **Save** to save the settings.

Set Validity Period

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

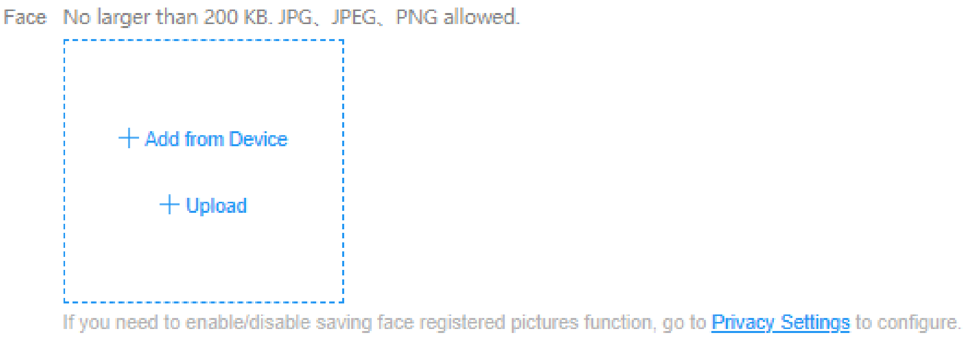
Authentication Settings

Click **Person → +Add** to enter the Add Person page.
Set the authentication type. You can choose from face, cards, fingerprint and pin configuration.
Click **Add** to add the person. Or you can click **Save and Continue** to add the next person.

Add Face Picture

Click **Person → +Add** to enter the Add Person page.

Click **+** to upload a face picture from the local PC or from device.



Face No larger than 200 KB. JPG、JPEG、PNG allowed.

If you need to enable/disable saving face registered pictures function, go to Privacy Settings to configure.

Figure 8-2 Add Face Picture

Note

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

Add Card

Click **Person → +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 5 cards can be added.

Add Fingerprint

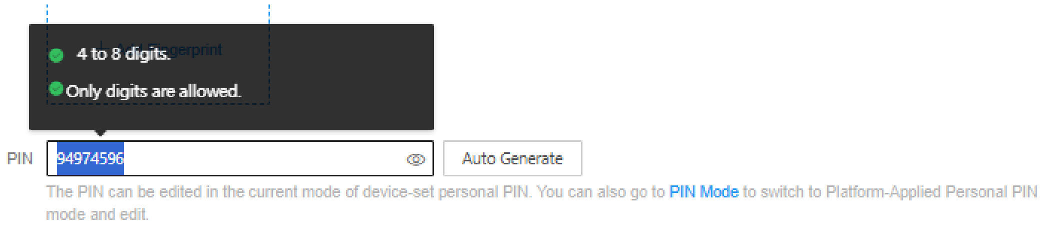
Click **Person → +Add** to enter the Add Person page.
Click **+ Add Fingerprint**, and press your finger on the fingerprint module of the device to add your fingerprint.

Note

Up to 10 fingerprints can be added.

Generate PIN

Click **Person → +Add** to enter the Add Person page.
You can click **Auto Generate** to get a random pin.



4 to 8 digits.

Only digits are allowed.

PIN 94974596

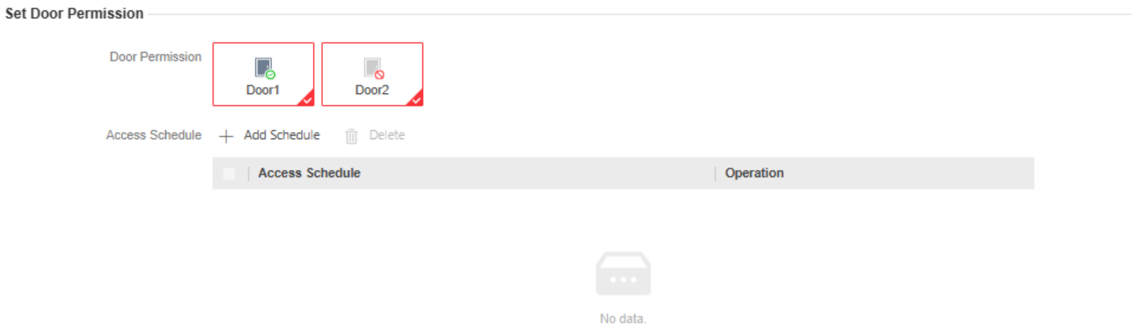
The PIN can be edited in the current mode of device-set personal PIN. You can also go to PIN Mode to switch to Platform-Applied Personal PIN mode and edit.

Figure 8-3 PIN

Click **Add** to add the person. Or you can click **Save and Continue** to add the next person.

Set Door Permission

You can add schedule and door permission for each person.



Set Door Permission

Door Permission: Door1, Door2

Access Schedule	Operation

No data.

Note

Just select an access schedule from your saved template and click **OK**.

Click **Add** to add the person. Or you can click **Save and Continue** to add the next person.

8.5 Search Event

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

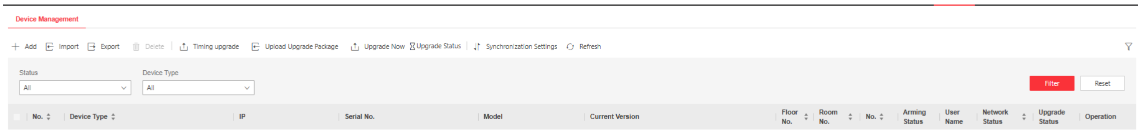
Select event types, major type and sub type. Enter the search conditions, including the employee ID, the name, the card No., the start time, and the end time, and click **Search**.

The results will be displayed on the right panel.

8.6 Device Management

You can manage the linked device on the page.

Click **Device** to enter the settings page.



Status: All

Device Type: All

No.	Device Type	IP	Serial No.	Model	Current Version	Floor No.	Room No.	No.	Arming Status	User Name	Network Status	Upgrade Status	Operation

Figure 8-4 Device Management

Add Device

- Click **Add** to add the indoor station, sub door station or distributor. Enter the parameters and click **OK** to add.
- Click **Import**. Enter the information of the device in the template to import devices in batch.

Export

Click **Export** to export the information to the PC.

Delete

Select the device and click **Delete** to remove the selected device from the list.

Synchronization Settings

Click **Synchronization Settings** and enable **Synchronize**. If enabled, the current device' s settings will be synchronized to other devices.

Upgrade

Timing Upgrade

You can choose to **Enable Upgrading Device Automatically** or set upgrade time so that the device will upgrade within the time. Click **Save**.

Upload Upgrade Package

You can import upgrading package from local and select device type. Click **OK** to upgrade.

Upgrade Now

Check the device you would like to upgrade and click **OK** to upgrade.

Upgrade Status

You can view the upgrade status of linked devices.

Refresh

Click **Refresh** to get the device information.

Optional: Set Device Information.

- Click ✎ to edit device information.
- Click 🗑 to delete device information from the list.
- Select **Status** and **Device Type** to search devices.

8.7 Configuration

8.7.1 View Device Information via PC Web

View the device name, device No., language, model, serial No., version, number of channels, IO input, IO output, lock, alarm input, alarm output, and device capacity, etc.

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

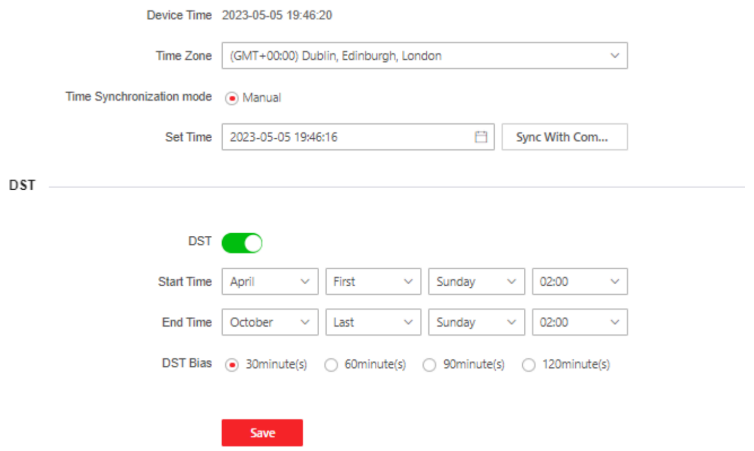
You can view the device name, device No., language, model, serial No., version, number of channels, IO input, IO output, lock, alarm input, alarm output, and device capacity, etc.

Click **Upgrade** in the Firmware Version, you can go to the upgrade page to upgrade the device.

8.7.2 Set Time

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

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



Device Time 2023-05-05 19:46:20

Time Zone (GMT+00:00) Dublin, Edinburgh, London

Time Synchronization mode ● Manual

Set Time 2023-05-05 19:46:16

DST

DST On

Start Time April First Sunday 02:00

End Time October Last Sunday 02:00

DST Bias ● 30minute(s) ○ 60minute(s) ○ 90minute(s) ○ 120minute(s)

Figure 8-5 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.

8.7.3 Set DST

Steps

1. Click **System Configuration → System → System Settings → Time Settings** .
2. Slide to enable **DST**.
3. Set the DST start time, end time and bias time.
4. Click **Save** to save the settings.

8.7.4 Change Administrator's Password

Steps

1. Click **System and Maintenance → System Configuration → System → User Management → 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 should be 8 to 16 characters.
- The password should contain at least 2 of the following types: digits, lowercase letters, uppercase letters and special characters.
- Do not contain following characters in the password: the user name, 123, admin (case-insensitive), 4 or more continuously increasing or decreasing digits, or 4 or more consecutively repeated characters.
- The password strength of the device can be automatically checked. In order to increase the security of your product, we highly recommend you change the password of your own choosing. 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 service provider and/or end-user.

- (If the device supports AP mode, after the admin password is changed, the password of AP hotspot will be changed simultaneously.)

8.7.5 Online Users

The information of users logging into the device is shown.

Go to **System and Maintenance → System Configuration → System → User Management → Online Users** to view the list of online users.

8.7.6 Set Secure Door Control Unit Parameters via PC Web

You can set secure door control unit parameters.

Steps

1. Click **System and Maintenance → System Configuration → Access Configuration → Secure Door Control Unit** .
2. View secure door control unit status.
3. You can enable **Auto Binding**.

Note

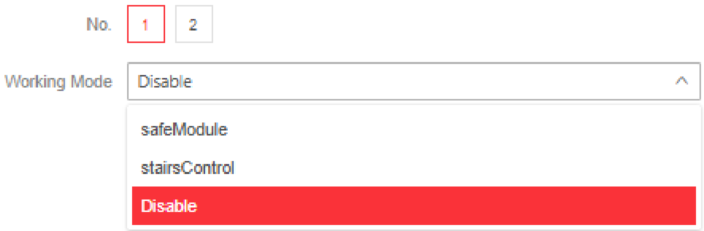
If the function is enabled, the connected secure door control unit will be automatically bound to the door station and cannot be used for other door stations.

8.7.7 RS-485 Settings

Set the working mode to linked device.

Steps

1. Click **System and Maintenance → System Configuration → Access Configuration → RS-485** to enter the settings page.
2. Select the No.
3.



   Select the working mode.
4. Click **Save** to enable the settings.

8.7.8 Set I/O Parameters

You can set I/O Parameters on PC Web.

Steps

1. Click **System and Maintenance → System Configuration → Access Configuration → I/O Settings** .
2. Select Input 2 as **Disable** or **Door Status**. Select Input 3 and Input 4 as **Disable** or **Exit Button**.

   Note

   The Input 1 is **Door Status** by default.

3. Select Output 2 as **Disable**, **Mechanical Doorbell** or **Electric Lock**.

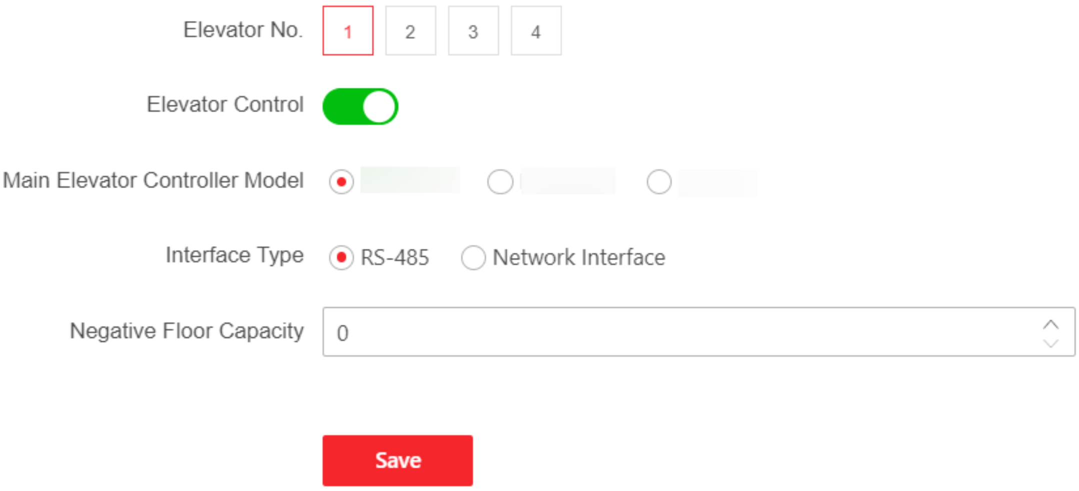
   Note

   The Output 1 is **Electric Lock** by default.

8.7.9 Elevator Control

Steps

1. Click **System and Maintenance → System Configuration → Access Configuration → Elevator Control Parameters** .



Elevator No. [✓ 1] 2 3 4

Elevator Control: on

Main Elevator Controller Model ● ○ ○

Interface Type ● RS-485 ○ Network Interface

Negative Floor Capacity 0

Figure 8-6 Elevator Control

2. Select **Elevator No.**
3. Slide to enable **Elevator Control**.
4. Set the elevator parameters.

   Elevator No.

Select an elevator No.

Main Elevator Controller Model

Select an elevator controller.

Interface Type

If you select **RS-485**, make sure you have connected the device to the elevator controller with RS-485 wire.

If you select **Network Interface**, enter the elevator controller's IP address, port No., user name, and password for communication.

Negative Floor Capacity

Set the negative floor number.

Note

- Up to 4 elevator controllers can be connected to 1 device.
- Up to 10 negative floors can be added.
- Make sure the interface types of elevator controllers, which are connected to the same device, are consistent.

8.7.10 View Device Arming/Disarming Information

View device arming type and arming IP address.

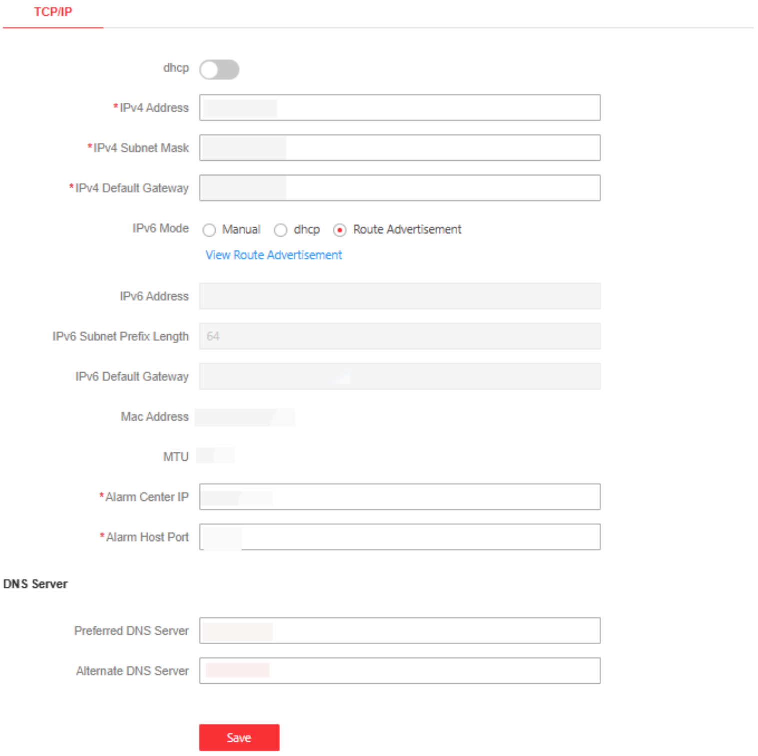
Click **System Configuration → System → User Management → Arming/Disarming Information** .

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

8.7.11 Network Settings

Set Basic Network Parameters

Click **System and Maintenance → System Configuration → Network → Network Settings → TCP/IP** .



dhcp

*IPv4 Address

*IPv4 Subnet Mask

*IPv4 Default Gateway

IPv6 Mode ○ Manual ○ dhcp ● Route Advertisement

IPv6 Address

IPv6 Subnet Prefix Length 64

IPv6 Default Gateway

Mac Address

MTU

*Alarm Center IP

*Alarm Host Port

Preferred DNS Server

Alternate DNS Server

Figure 8-7 TCP/IP Settings

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

DHCP

If disable the function, you should set the IPv4 address, IPv4 subnet mask, IPv4 default gateway, preferred DNS server and the Alternate DNS server.

If you check the function, the system will allocate the IPv4 address, IPv4 subnet mask, the IPv4 default gateway, preferred DNS server and the Alternate DNS server automatically.

DNS Server

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

IPv6

Three IPv6 modes are available.

Route Advertisement

The IPv6 address is generated by combining the route advertisement and the device Mac address.

Note

Route advertisement mode requires the support from the router that the device is connected to.

DHCP

The IPv6 address is assigned by the server, router, or gateway.

Manual

Enter **IPv6 Address**, **IPv6 Prefix Length**, and **IPv6 Default Gateway**. Consult the network administrator for required information.

Set Port Parameters

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

Click **System 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.

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

RTSP

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

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

SDK Server

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

SIP Setting

Steps

1. Click **Network → Network Settings → SIP** to enter the settings page.
2. Check **Enable VOIP Gateway**.
3. Configure the SIP parameters.
4. Click **Save** to enable the settings.

Platform Access

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

Steps

1. Click **System 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. Enter the verification code.
6. Bind an account.

   Binding via Code: Click **View** to view device QR code. Use the App and scan the QR code to bind the account.

Note

Only the device enable the Hik-Connect function, can you view the QR code.
Scan the QR code before it is invalid.

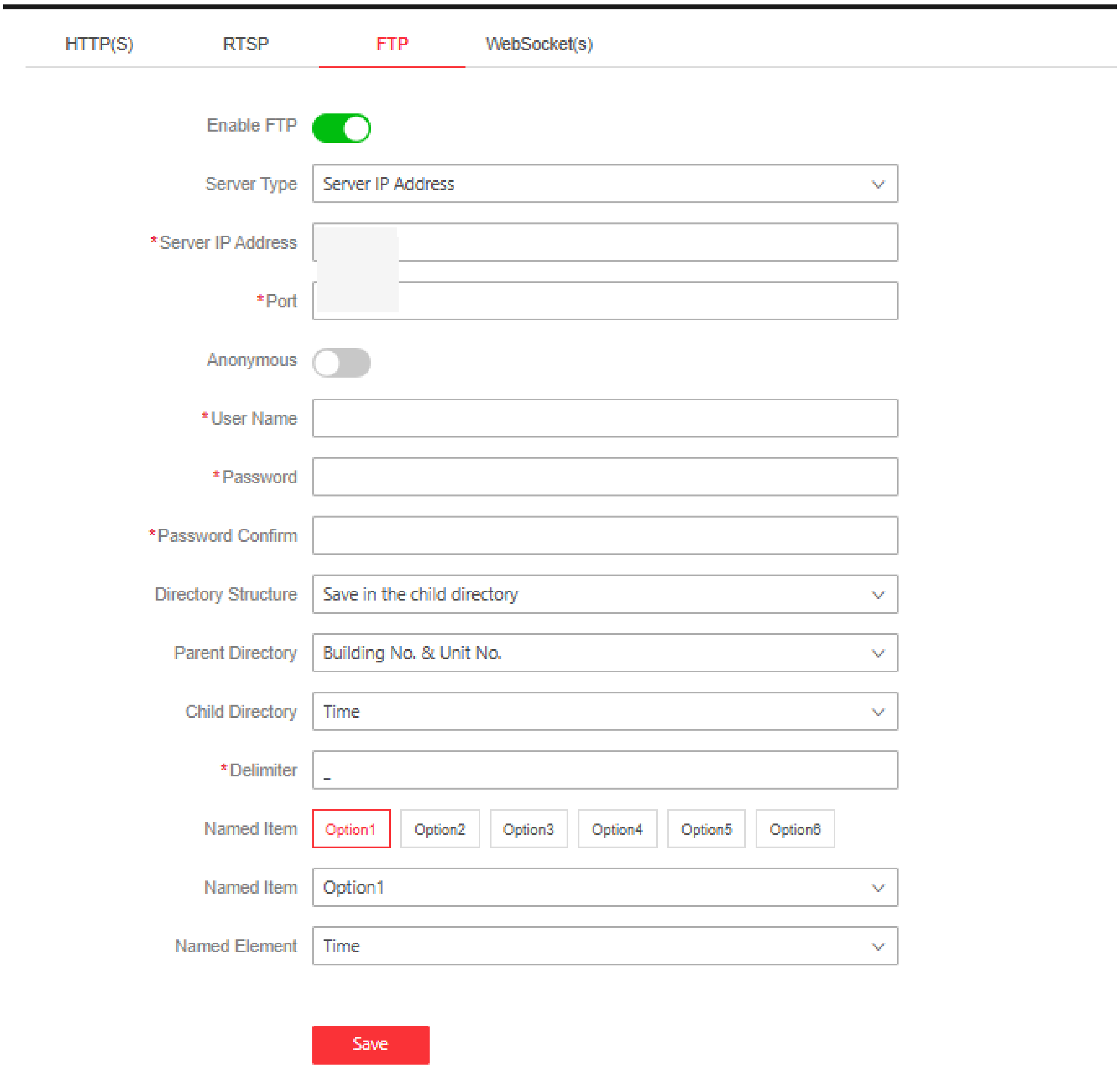
7. Click **Save** to enable the settings.

FTP Settings

You can configure FTP (File Transfer Protocol) parameters.

Steps

1. Click **Network → Network Service → FTP** to enter the settings page.



Enable FTP: On

Server Type: Server IP Address

*Server IP Address:

*Port:

Anonymous: Off

*User Name:

*Password:

*Password Confirm:

Directory Structure: Save in the child directory

Parent Directory: Building No. & Unit No.

Child Directory: Time

*Delimiter: _

Named Item: [✓ Option1] Option2 Option3 Option4 Option5 Option6

Named Item: Option1

Named Element: Time

Figure 8-8 FTP Settings

2. EnableFTP.
3. Select **Server Type**.
4. Enter **Server IP Address** and **Port**.
5. Configure the FTP Settings, and the user name and password are required for the server login.

Note

If you enable **Anonymous**, you will not need to set user name and password.

6. Set the **Directory Structure**, **Parent Directory** and **Child Directory**.
7. Set naming rules.
8. Click **Save** to enable the settings.

Set VoIP

When the device is deployed on the LAN, penetration service can be enabled to achieve remote device management.

Steps

1. Click **System Configuration → Network → Device Access → VoIP** .
2. Slide to **Enable VoIP Gateway**.
3. Enter **Server IP Address** and **Server Port**.
4. Enter **Register User Name** and **Registration Password**.
5. Set **Expiry Time**. The range is1 to 99 min.
6. Slide to **Enable P2P** according to your actual need.
7. Click **Save**.
8. You can view **Online Status**. Click **Refresh** to view the latest status.

Set WebSocket(s) via PC Web

View WebSocket and WebSockets port.

Go to **System and Maintenance → System Configuration → Network → Network Service → WebSocket(s)** .

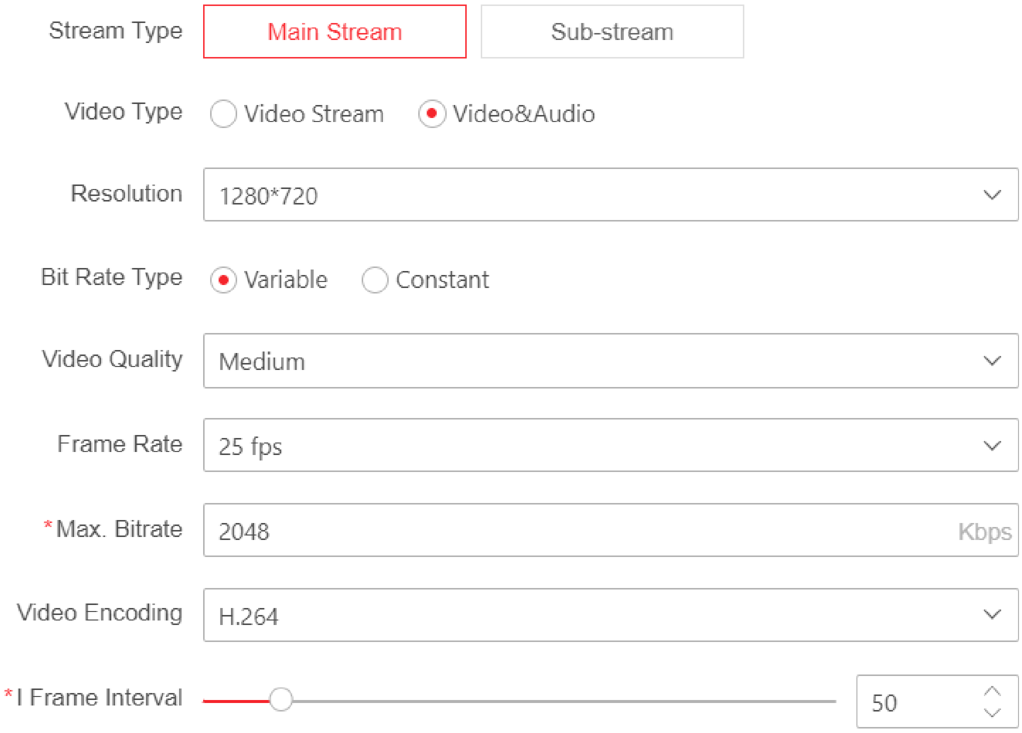
View WebSocket and WebSockets port.

8.7.12 Set Video and Audio Parameters

Set the image quality and resolution.

Set Video Parameters

Click **System and Maintenance → System Configuration → Video/Audio → Video** .



Stream Type: Main Stream | Sub-stream

Video Type: ○ Video Stream ● Video&Audio

Resolution: 1280*720

Bit Rate Type: ● Variable ○ Constant

Video Quality: Medium

Frame Rate: 25 fps

*Max. Bitrate: 2048 Kbps

Video Encoding: H.264

*I Frame Interval: 50

Figure 8-9 Video Settings Page

Set the stream type, the video type, the resolution, the Bit Rate type, the video quality, the frame rate, the Max. bitrate, the video encoding, and I Frame Interval.

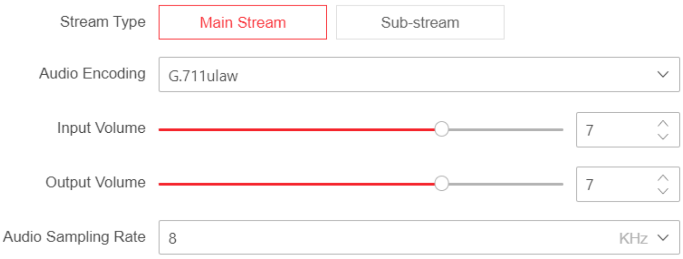
Click **Save** to save the settings.

Note

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

Set Audio Parameters

Click **System and Maintenance → System Configuration → Video/Audio → Audio** .



Stream Type: Main Stream | Sub-stream

Audio Encoding: G.711ulaw

Input Volume: 7

Output Volume: 7

Audio Sampling Rate: 8 KHz

Figure 8-10 Audio Settings Page

Set the stream type, audio encoding, input volume, output volume, speak volume and audio sampling rate.
Slide to enable **Unlocking Sound** according to your actual need.
Check then click **<** or **>** to enable or disable **SIP Audio Encoding**.

Note

You can drag icon ≡ to adjust the order of the encoding.

Click **Save** to save the settings.

8.7.13 Adjust Display Settings

You can adjust image parameters, video parameters, supplement parameters, backlight, beauty etc..

Steps

1. To adjust display settings. Click **System and Maintenance → System Configuration → Image → Display Settings** .
2. Configure the parameters to adjust the image.

   Video Adjustment

   Set the video frame rate when performing live view remotely. After changing the video 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.

   Image Adjustment

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

   Backlight

   Enable or disable the WDR function.

   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.

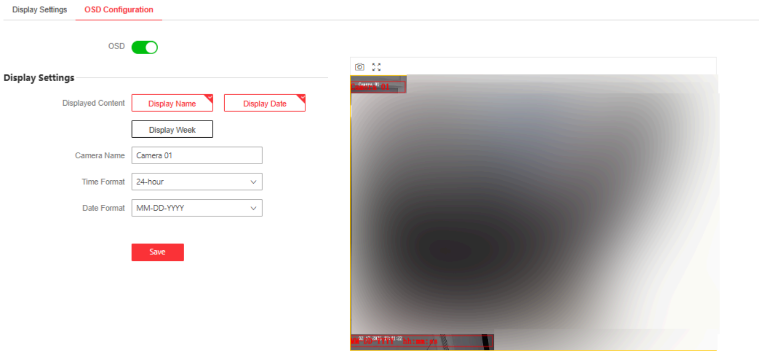
   Day/Night Switch

   You can choose Day/Night Switch as Auto, Schedule Switch, Night or Daytime mode.

   When choose Day/Night Switch as Auto, you also need to select **Sensitivity** range from 1 to 7.
3. Click **Restore Default Settings** to restore the parameters to the default settings.

OSD Configuration

Steps

1. To adjust display settings. Click **System and Maintenance → System Configuration → Image → OSD Configuration** .
2. **OSD** is enabled by default. You can also slide to disable it.
3. 

OSD ●

Display Settings

Displayed Content: Display Name ☑ Display Date ☑ Display Week □

Camera Name: Camera 01

Time Format: 24-hour

Date Format: MM-DD-YYYY

Click to choose what to display.

4. You can also choose **Time Format** and **Date Format** according to your actual needs.

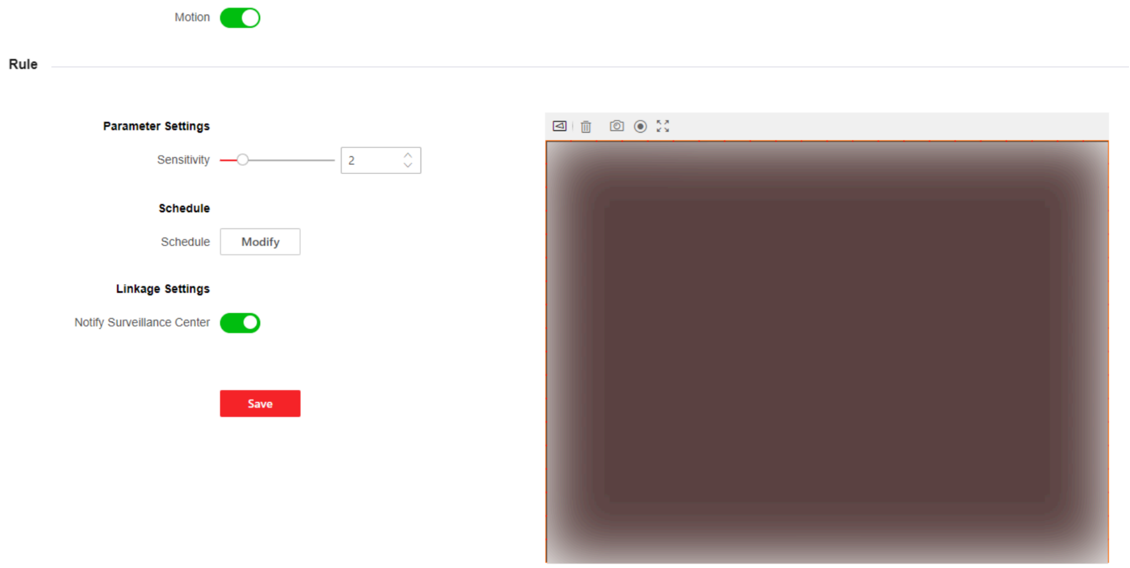
8.7.14 Event Settings

Set Motion Detection

After enable the function of motion detection, people or stuff enter the configured area will trigger alarm.

Steps

1. Click **System and Maintenance → System Configuration → Event → Event Detection → Motion** .



Motion

Rule

Parameter Settings

Sensitivity 2

Schedule

Linkage Settings

Notify Surveillance Center

Figure 8-11 Motion Detection

2. Enable **Motion**.
3. Drag the process bar to adjust the **Sensitivity** parameter.
4. Enable **Notify Surveillance Center** according to your actual needs. After enabled, the alarm information is uploaded to the surveillance center when an alarm event is detected.
5. Click **Save**.

Note

The arming schedule is defaulted as all-day.

Linkage Settings

Steps

1. Click **Event → Event Detection → Linkage Settings** to enter the settings page.

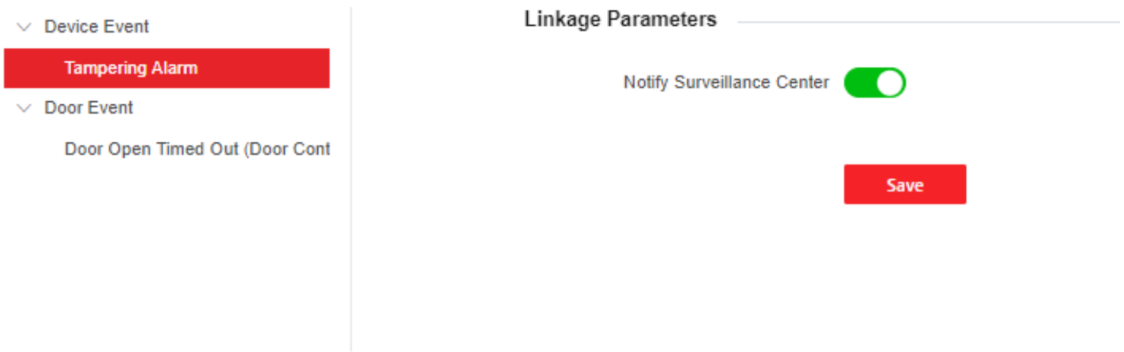


Figure 8-12 Linkage Settings

2. Select event.
   - **Device Event**

     Tampering Alarm
   - **Door Event**

     Door Open Timed Out (Door Contact)
3. Enable **Notify Surveillance Center** according to your actual needs. After enabled, the alarm information is uploaded to the surveillance center when an alarm event is detected.
4. Click **Save** to enable the settings.

8.7.15 Access Control Settings

Set Authentication Parameters

Click **Access Control → Authentication Settings** .

Note

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

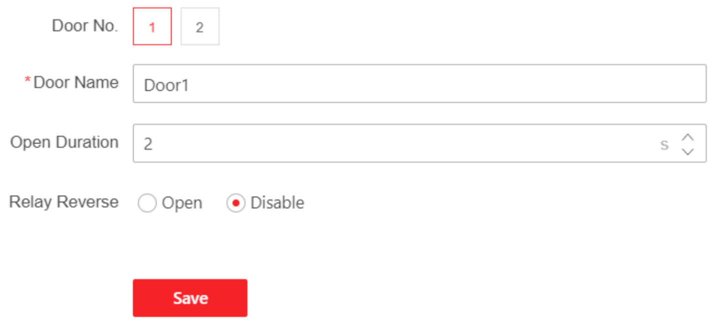
Click **Save** to save the settings after the configuration.

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.

Set Door Parameters

Click **Access Control → Door Parameters** .



Door No. 1 2

*Door Name: Door1

Open Duration: 2 s

Relay Reverse: ○ Open ● Disable

Figure 8-13 Door Parameters Settings Page

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

Door No.

Select the device corresponded door No.

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.

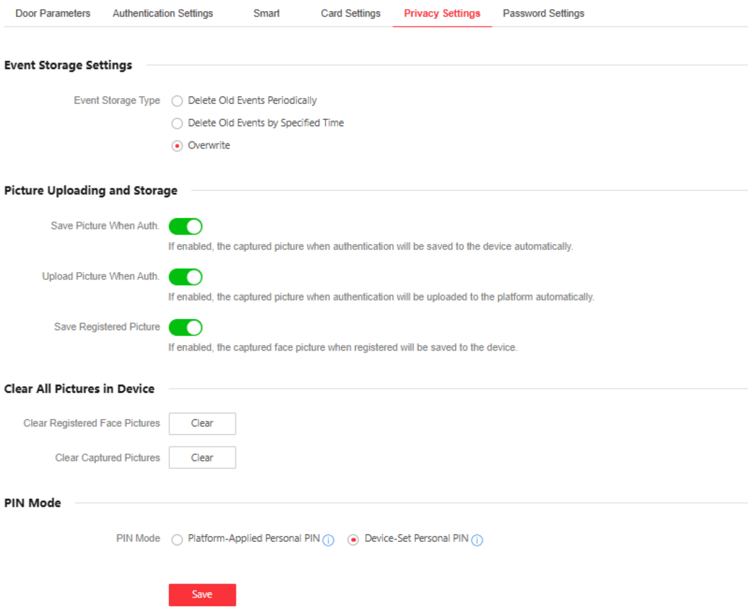
Relay Reverse

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

Privacy Settings

You should set the privacy parameters, including the picture uploading and storage.

Click **Access Control → Privacy Settings** to enter this page.



Door Parameters | Authentication Settings | Smart | Card Settings | Privacy Settings | Password Settings

Event Storage Settings

Event Storage Type ○ Delete Old Events Periodically
○ Delete Old Events by Specified Time
● Overwrite

Picture Uploading and Storage

Save Picture When Auth. ☑
If enabled, the captured picture when authentication will be saved to the device automatically.

Upload Picture When Auth. ☑
If enabled, the captured picture when authentication will be uploaded to the platform automatically.

Save Registered Picture ☑
If enabled, the captured face picture when registered will be saved to the device.

Clear All Pictures in Device

Clear Registered Face Pictures [Clear]

Clear Captured Pictures [Clear]

PIN Mode

PIN Mode ○ Platform-Applied Personal PIN ⓘ ● Device-Set Personal PIN ⓘ

[Save]

Figure 8-14 Privacy Settings

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

Upload the pictures captured when authenticating to the platform automatically.

Save 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.

Platform-Applied Personal PIN

You can create the person PIN on the platform. You should apply the PIN to the device. You cannot create or edit the PIN on the device or PC Web.

Device-Set Personal PIN

You can create or edit the PIN on the device or PC Web. You cannot set the PIN on the platform.

Tap **Save** to complete the 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.

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

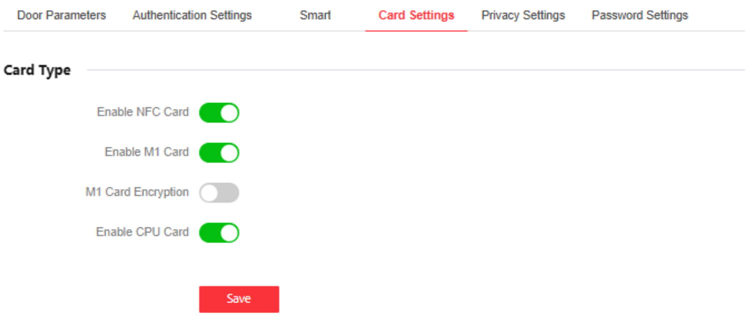
All captured pictures in the device will be deleted.

Card Settings

Choose card types to enable..

Go to **Access Control → Access Control → Card Settings** .

Slide to enable card types and click **Save** to save the settings.



Card Type

Enable NFC Card ●

Enable M1 Card ●

M1 Card Encryption ○

Enable CPU Card ●

Figure 8-15 Card Type

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.

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

M1 card encryption can improve the security level of authentication.

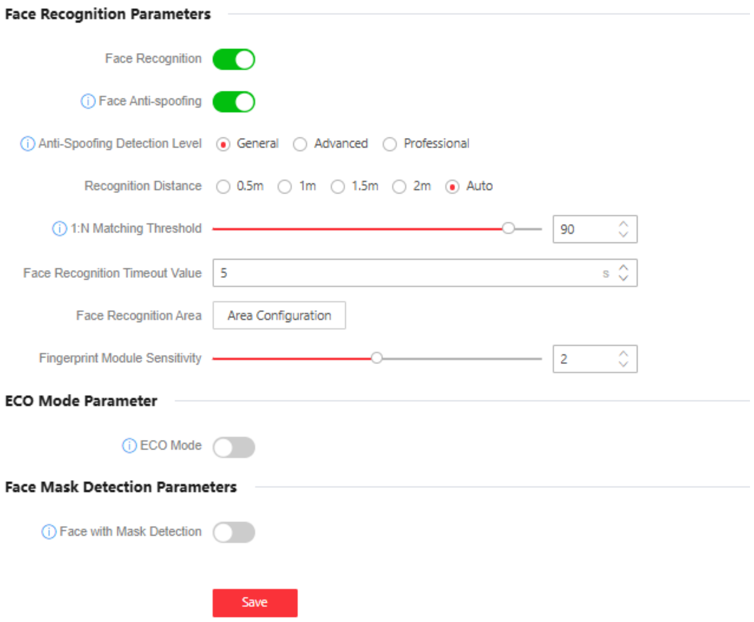
Enable CPU Card

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

Smart

You can configure face recognition parameters, ECO mode parameter and face mask detection parameters on this page.

Click **Access Control → Smart** .



Face Recognition Parameters

Face Recognition

Face Anti-spoofing

Anti-Spoofing Detection Level ● General ○ Advanced ○ Professional

Recognition Distance ○ 0.5m ○ 1m ○ 1.5m ○ 2m ● Auto

1:N Matching Threshold 90

Face Recognition Timeout Value 5 s

Face Recognition Area Area Configuration

Fingerprint Module Sensitivity 2

ECO Mode Parameter

ECO Mode

Face Mask Detection Parameters

Face with Mask Detection

Save

Figure 8-16 Smart

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

Face Anti-spoofing

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

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.

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.

Face Recognition Area

You can set the face recognition area when authentication.

ECO Mode Parameter

After enabling the ECO mode, the device will use the IR camera to authenticate faces in the low light or dark environment.

Note

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

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. The threshold has relationship with the illumination.

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. The maximum value is 100.

Force to Enable Night Mode

When the environment is not bright enough, you can slide to force to enable the night mode.

Face Mask Detection Parameters

After enabling the face with mask detection, the system will recognize the captured face with mask picture.

Face with Mask & Face (1:N)

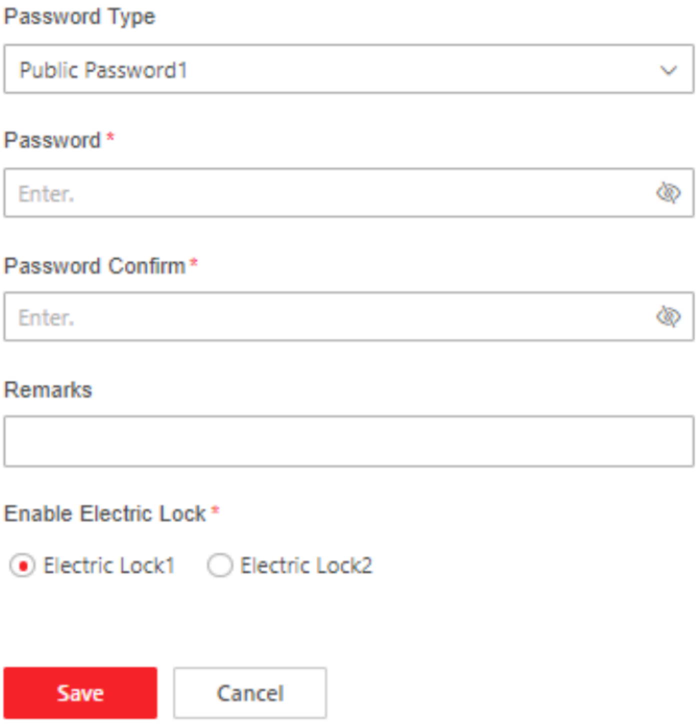
Set face with mask 1:N matching threshold. The larger the value, the smaller the false accept rate and the larger the false rejection rate. The maximum value is 100.

Set Public Password

Set public password.

Click **Access Control → Password Settings** to enter the page.

Click **Add** to add public password.



Password Type

Public Password1

Password *

Enter.

Password Confirm *

Enter.

Remarks

Enable Electric Lock *

● Electric Lock1 ○ Electric Lock2

Figure 8-17 Add Public Password

Select password type.

Enter and confirm the password.

Enter remarks.

Select electric lock.

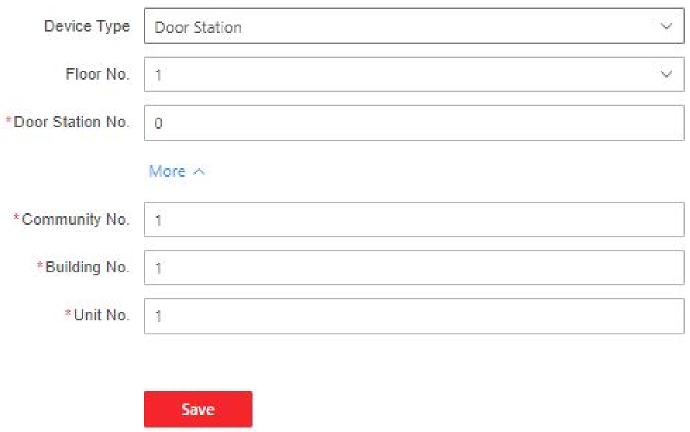
Click **Save** to save the settings.

8.7.16 Call Settings

Device No. Settings

Steps

1. Click **Video Intercom → Device No.** to enter the page.



Device Type: Door Station

Floor No.: 1

*Door Station No.: 0

*Community No.: 1

*Building No.: 1

*Unit No.: 1

Figure 8-18 Device No. Settings

2. Select the device type from the drop-down list, and set the corresponding information including **Building No.**, **Floor No.**, **Door Station No.**, **Community No.** and **Unit No.**

Note

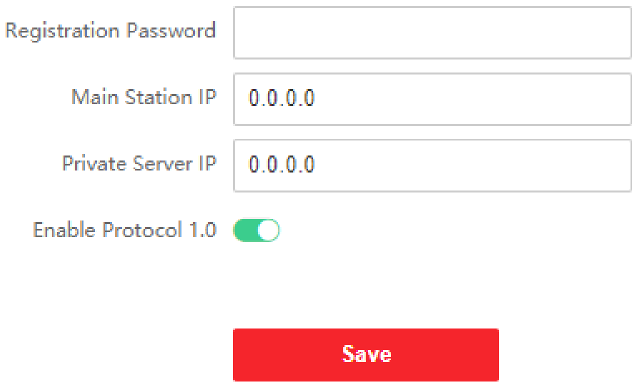
- When you select **Outer Door Station** as **Device Type**, only **Community No.** and **Outer Door No.** can be set.

3. Click **Save** to enable the device number configuration.

Linked Network Settings

Steps

1. Click **Intercom → Video Intercom Network** to enter the settings page.



Registration Password:

Main Station IP: 0.0.0.0

Private Server IP: 0.0.0.0

Enable Protocol 1.0: enabled

Figure 8-19 Session Settings

2. Set **Registration Password**.

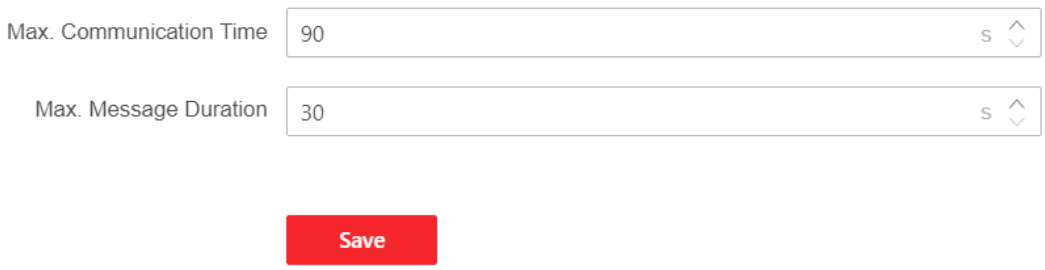
3. Set **Main Station IP** and **Video Intercom Server IP**.

4. Enable Protocol 1.0.
5. Click **Save** to enable the settings.

Time Duration Settings

Set the Max. call duration.

Go to **Video Intercom → Call Paramters → Call Settings** .



Max. Communication Time 90 s

Max. Message Duration 30 s

Figure 8-20 Call Settings

Set the **Max. Communication Time** and **Max. Message Duration**. Click **Save**.

Note

- The Max. communication time range is 90 s to 1800 s.
- The Max. message duration range is 30 s to 60 s.

Ringbacktone Settings

Steps

1. Click **Video Intercom → Call Parameters → Ringbacktone Settings** to enter the settings page.
2. Click 🗀 to import new ringtone.

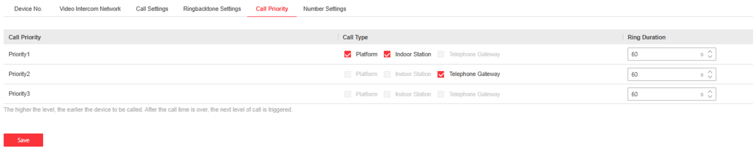
Note

The supported audio file type for importing is .wav. The file should be less than 800 KB.

Call Priority

Steps

1. Click **Intercom → Call Priority** to enter the settings page.



Call Priority	Call Type	Ring Duration
Priority1	☑ Platform ☑ Indoor Station □ Telephone Gateway	60 s
Priority2	□ Platform □ Indoor Station ☑ Telephone Gateway	60 s
Priority3	□ Platform □ Indoor Station □ Telephone Gateway	60 s

The higher the level, the earlier the device to be called. After the call time is over, the next level of call is triggered.

Figure 8-21 Call Priority

2. Check the **Call Type** and set the **Ring Duration** of each 3 prioritys.
3. Click **Save** to enable the settings.

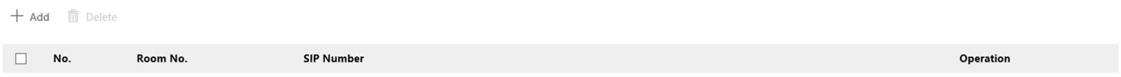
Note

The higher the level, the ealier the device to be called. After the call time is over, the next level of call is triggered.

Number Settings

Link the room No. and SIP numbers.

Click **Video Interom → Call Parameters → Number Settings** to enter the page.



□	No.	Room No.	SIP Number	Operation

Figure 8-22 Number Settings

Click **+Add**, and set the **Room No.** and SIP numbers in the pop-up dialog box.

Click **Save** to save the settings.

8.7.17 Customize Audio Content

Customize the output audio content when authentication succeeded and failed.

Steps

1. Click **Configuration → Preference → Prompt Schedule** .
2. Enable the function.
3. Set the appellation.
4. 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.
5. 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.
6. Click **Save**.

8.8 Maintenance and Security

8.8.1 Upgrade and Maintenance

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

Reboot Device

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

Upgrade

Click **System and Maintenance → 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.

Sub Device Upgrade

Click **System and Maintenance → Maintenance → Upgrade** .
Set Upgrade Settings as **RS-485 Card Reader**, and select a card reader.
Select an upgrade type from the drop-down list. Click 🗀 and select the upgrade file from your local PC. Click **Upgrade** to start upgrading.

Restore Parameters

Click **System and Maintenance → 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 **System and Maintenance → 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.

8.8.2 Device Debugging

You can set device debugging parameters.

Steps

1. Click **System and Maintenance → 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.

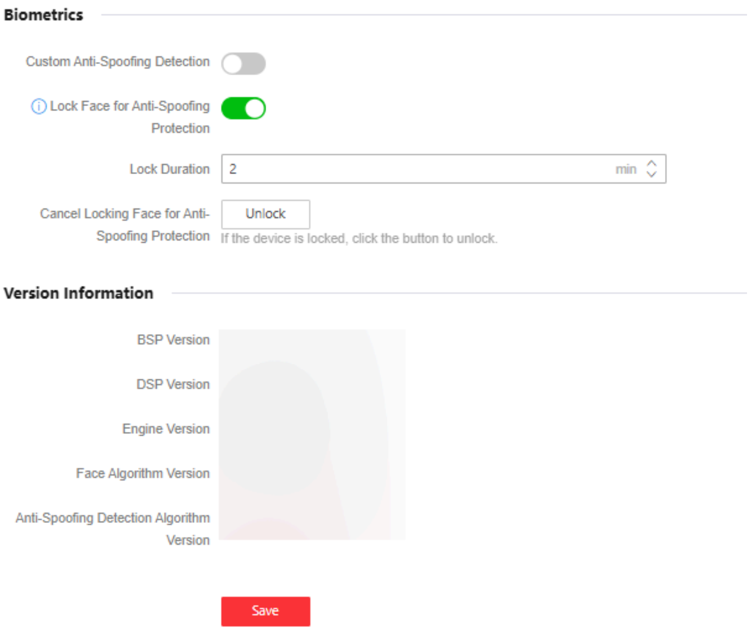
Capture Network Packet

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

8.8.3 Advanced Settings

Set biometrics parameters of the device and check the version informatio of the device.

Click **System and Maintenance → Maintenance → Advanced Settings** , then enter admin password to enter this page.



Biometrics

Custom Anti-Spoofing Detection: off

Lock Face for Anti-Spoofing Protection: on

Lock Duration: 2 min

Cancel Locking Face for Anti-Spoofing Protection: Unlock

If the device is locked, click the button to unlock.

Version Information

BSP Version

DSP Version

Engine Version

Face Algorithm Version

Anti-Spoofing Detection Algorithm Version

Figure 8-23 Advanced Settings

You can slide to enable **Custom Anti-Spoofing Detection**. **Lock Face for Anti-Spoofing Protection** is enabled by default.

Note

If enabled **Lock Face for Anti-Spoofing Protection**, the face will be locked for anti-spoofing protection after the failed attempt limit of anti-spoofing detection has been reached.

The range of **Lock Duration** is 1 to 240 min.

In **Version Information**, you can view the version of BSP, DSP, Engine, Face Algorithm and Anti-spoofing Detection Algorithm.

8.8.4 View Log via PC Web

You can search and view the device logs.

Go to **System and Maintenance → 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.

8.8.5 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

Import the certificate that device generated and signed by trusted organization.

Before You Start

Create a self-signed certificate.

Steps

1. Go to **Safe → Certificate Management** .
2. Click **Create Certificate Request** in the **HTTPS Certificate** or **SYSLOG Certificate** module.
3. Input certificate information.
4. Click **Save** to save and install the certificate.

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

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

Install Other Authorized Certificate

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

Before You Start

Create a self-signed certificate.

Steps

1. Go to **Safe → Certificate Management** .
2. In the **HTTPS Certificate** and **SYSLOG Certificate** areas, select key and certificate from local PC.
3. Click **Import**.

Install CA Certificate

Before You Start

Prepare a CA certificate in advance.

Steps

1. Go to **Safe → Certificate Management** .
2. In the **Import CA Certificate** in **SYSLOG Certificate** area, create an ID.

   Note

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

Chapter 9 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. Appendix

Tips When Collecting/Comparing Face Picture

- Keep your expression naturally when collecting or comparing face pictures.
- 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.
- In order to get a good quaillty and accurate face picture, position your face looking at the camera when collecting or comparing face pictures.
- Make sure your face is in the middle of the collecting window.
- The recommended distance when collecting/comparing face pictures is between 400 mm and 500 mm.

Tips When Importing Face Picture

- The requirements of the face pictures are the same as the requirements for collecting.
- Picture format: JPG.
- The photo scale is 5:7. The pixel size is a minimum of 480 and the height is a minimum of 640.
- Picture size cannot exceed 200 KB.
- A pure background color is required. White is the best.

See Far, Go Further