Indoor Station & Villa Door Station

User Manual

V2.20

Contents

About this Manual

This manual describes functions and operations of indoor station and villa door station.

Copyright Statement

Disclaimer

Due to such reasons as product version upgrade or regulatory requirement of relevant regions, this manual will be periodically updated.

This manual is only for informational purpose, and all statements, information, and recommendations in this manual are presented without warranty.

The illustrations in this manual are for reference only and may vary depending on the version or model. The screenshots in this manual may have been customized to meet specific requirements and user preferences. As a result, some of the examples and functions featured may differ from those displayed on your monitor.

Safety Symbols

The symbols in the following table may be found in this manual. Carefully follow the instructions indicated by the symbols to avoid hazardous situations and use the product properly.

Symbol	Description
NOTE!	Indicates useful or supplemental information about the use of product.
CAUTION!	Indicates a situation which, if not avoided, could result in damage, data loss or malfunction to product.
WARNING!	Indicates a hazardous situation which, if not avoided, could result in bodily injury or death.

1 Defaults

The default parameters of the indoor station and villa door station (hereinafter referred to as "door station") are consistent.

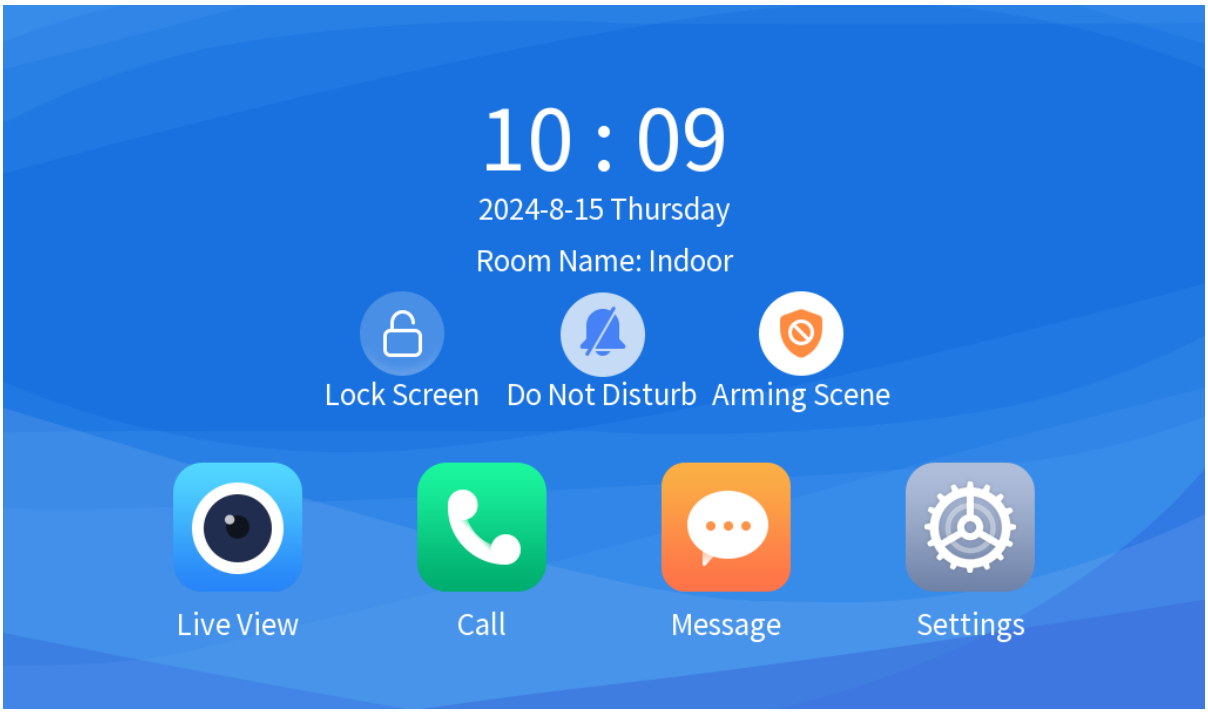
Username: admin	Password: 123456
Static IP address: 192.168.1.13	Subnet mask: 255.255.255.0

Note: DHCP (Dynamic Host Configuration Protocol) is enabled by default on the device. If a DHCP server is deployed in the network, the device may be assigned an IP address, and you need to use the assigned IP address to log in.

2 Home Screen

When the indoor station starts up for the first time or after restoring all default settings, you need to follow the wizard to complete the basic settings including password, email, and network, and then the main screen (hereinafter referred to as "home screen") appears.

Figure 2-1: Home Screen



The home screen displays the current time (set on the Web), and supports Lock Screen Manually, Do Not Disturb, Arming, Live View, Make Calls, Answer Calls, Message, and Settings.

3 Lock Screen Manually

You can lock the screen to save energy when not using it.

Note: This function is available to the indoor station's screen.

Tap to lock the screen; Tap any position to unlock the screen.

By default, the screen needs to be locked manually. To lock the screen automatically, enable Auto-Lock Screen.

4 Do Not Disturb

When **Do Not Disturb** is on, the indoor station does not sound when a call comes in, but the call remains on the screen until it is answered or ended by the caller (the calls will be displayed by tapping the screen when the screen is locked.)

When Visitor Message Settings is enabled, the messages can be received normally. You can view the messages in Visitor Message.

You can set the Do Not Disturb time for each day in Do Not Disturb Settings.

By default, this function is disabled.

Note: This function is available to the indoor station's screen.

Tap  to enable **Do Not Disturb**. To disable this function, tap  .

To automatically reject calls, enable **Auto Answer** on the Call Settings screen.

5 Arming

The 8 alarm input cables of the indoor station can be connected to 8 sensors respectively, which correspond to 8 zone alarms. When arming is enabled, the zone alarm will be generated if any sensor triggers the alarm.

Note: This function is available to the indoor station's screen.

This screen supports switching arming scene or disarming. You can configure arming in Zone Alarm.

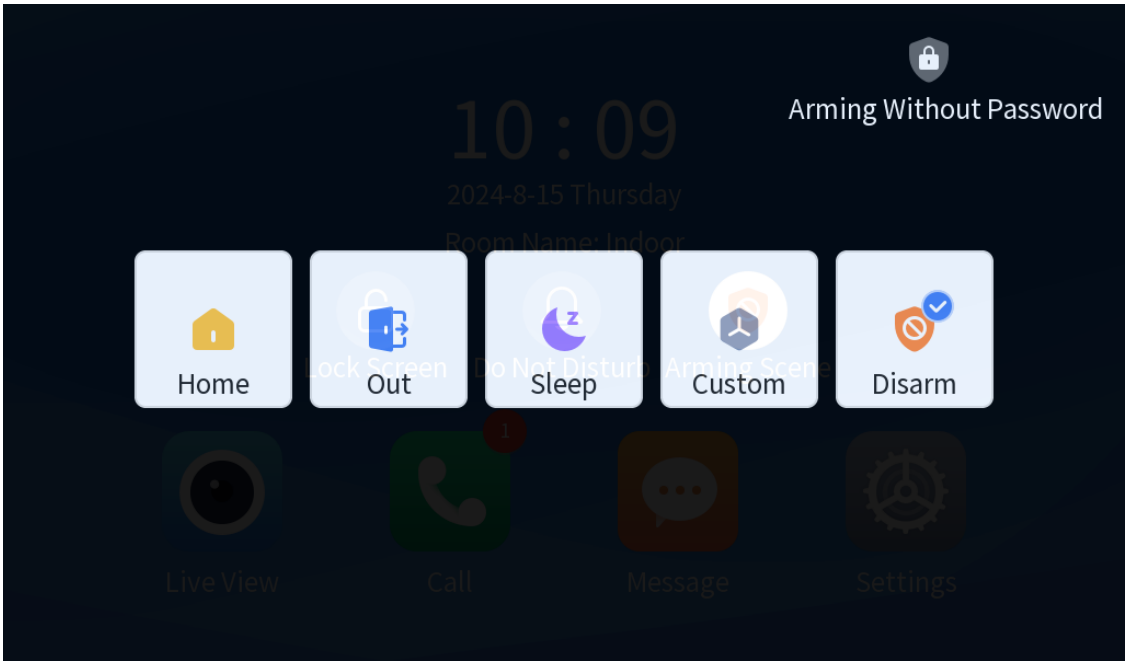
The following introduces various arming states:

- : Home
-  : Out
-  : Sleep
-  : Custom
-  : Disarm (default)

Switch Arming Scene

1. Tap the **Arming Scene** icon on the Home Screen, and you can switch the arming scene as needed ( means the current scene).

Figure 5-1: Switch Arming Scene



2. Tap the scene icon you want to switch.
3. (**Arming Without Password** is enabled) The scene will be switched automatically.

   Note: Arming without a password is only available to switch the arming scene, but the password is still required to disarm the alarm.
4. (**Arming Without Password** is disabled) The **Enter Arming/Disarming Password** window appears. Enter the password, tap **Confirm**, and the scene will be switched successfully.

   You need to set the arming/disarming password for the first use, and keep the password secure.

   You can change the arming/disarming password in Change Password. If you forgot the password, you can reset it in Retrieve Arming/Disarming Password.

Figure 5-2: Set Password for the First Use

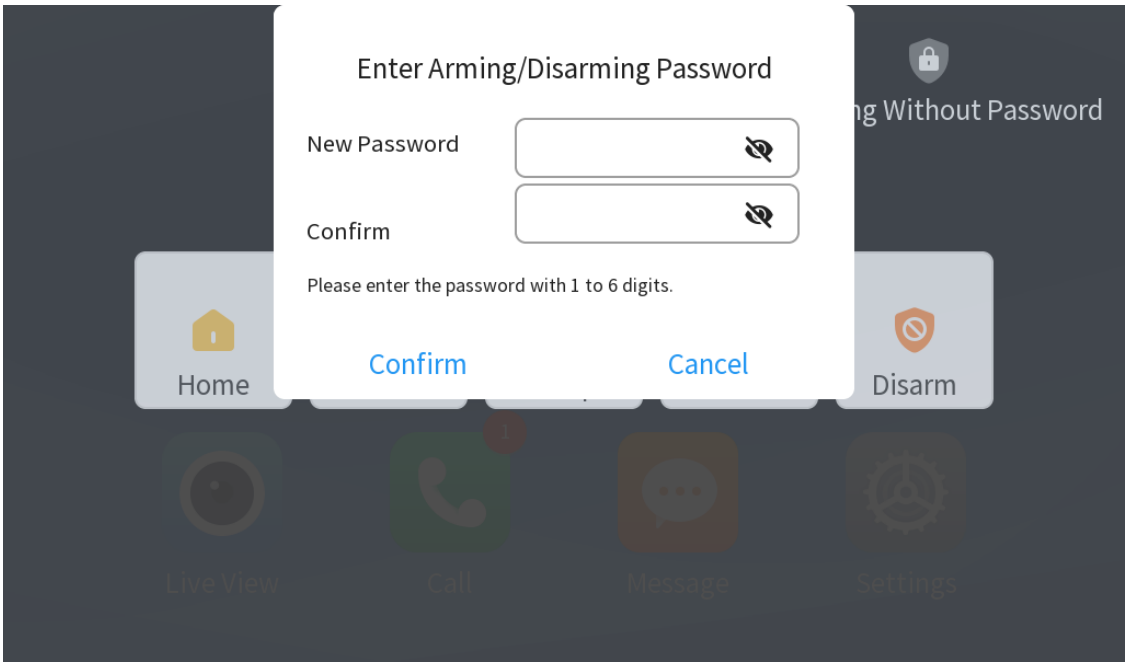
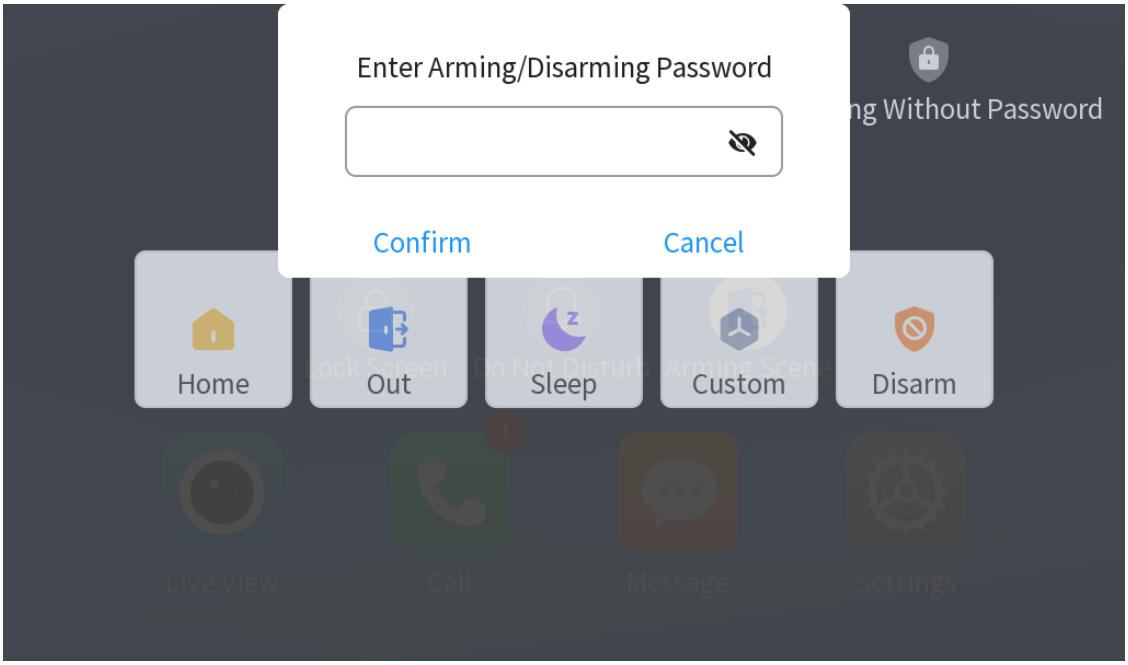


Figure 5-3: Verify Password

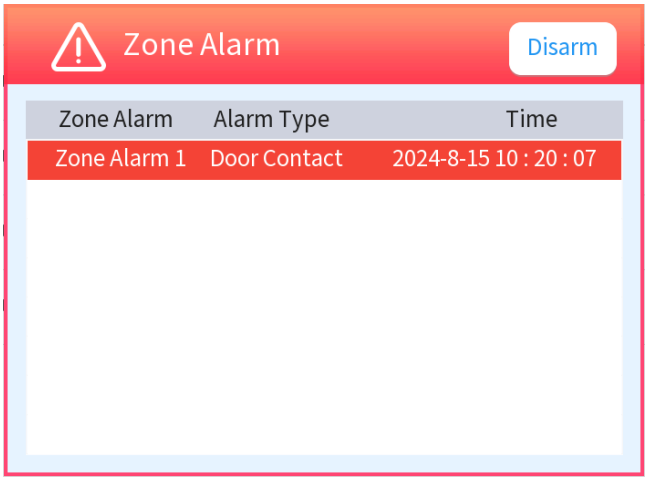


Disarm Zone Alarm

The following window will appear on the screen when a zone alarm occurs.

The zone alarm ID corresponds to the alarm cable ID of the device connected to the indoor station (for example, Zone Alarm 1 corresponds to the device connected to the indoor station via the ALARM_IN1 cable).

Figure 5-4: Zone Alarm



Tap **Disarm**, and enter the disarming password (**000000** by default) in the pop-up window.

The alarm records can be viewed in Alarm Records.

6 Live View

When the indoor station is connected to the intelligent recognition terminal, door station, and network camera/NVR, you can view live video on its screen.

After the extension is connected to the main indoor station, the extension screen can play the live video of intelligent recognition terminal, door station, and network camera/NVR connected to the main indoor station.

Note:

- This function is available to the indoor station's screen.
- To connect the intelligent recognition terminal, door station, and network camera to the indoor station, please see Related Devices, and ensure that **Enable Device** is on (port number is required for network camera connection).

  Figure 6-1: Enable Device

- By default, the system will automatically return to the Home Screen if there is no operation and incoming calls within 60 seconds. You can change the time to automatically return to the home screen in Indoor Station.
- The registration password of the connected device must be consistent with that of the indoor station, otherwise the corresponding live video is unavailable.

Tap  . The live view screen appears.

- The live view list includes **Door Station** (intelligent recognition terminal/door station), **Camera**, and **NVR**. If the first device connected to the indoor station is an intelligent recognition terminal or door station, the **Door Station** tab will be displayed on the live view screen by default; If the first device connected to the indoor station is a camera or NVR, the **Camera** or **NVR** tab will be displayed by default.
- Up to 6 live videos can be displayed on one screen. You can switch to the next screen by tapping the arrow below.

Figure 6-2: Live View-Door Station

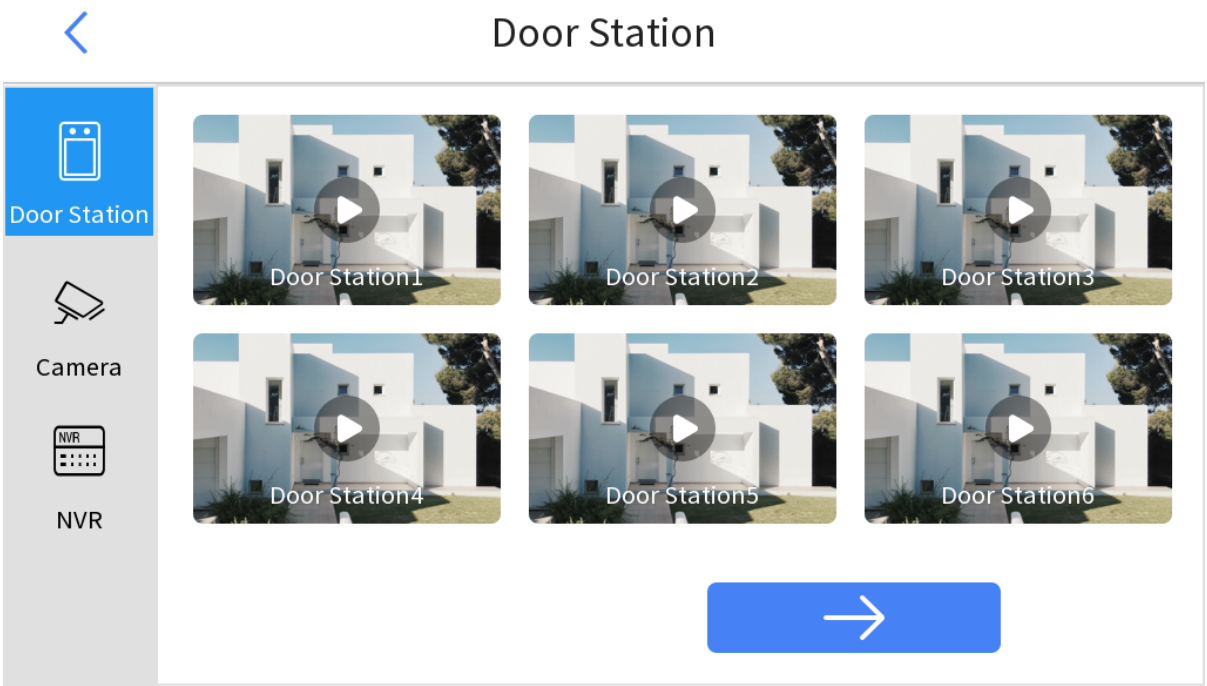


Figure 6-3: Live View-Camera

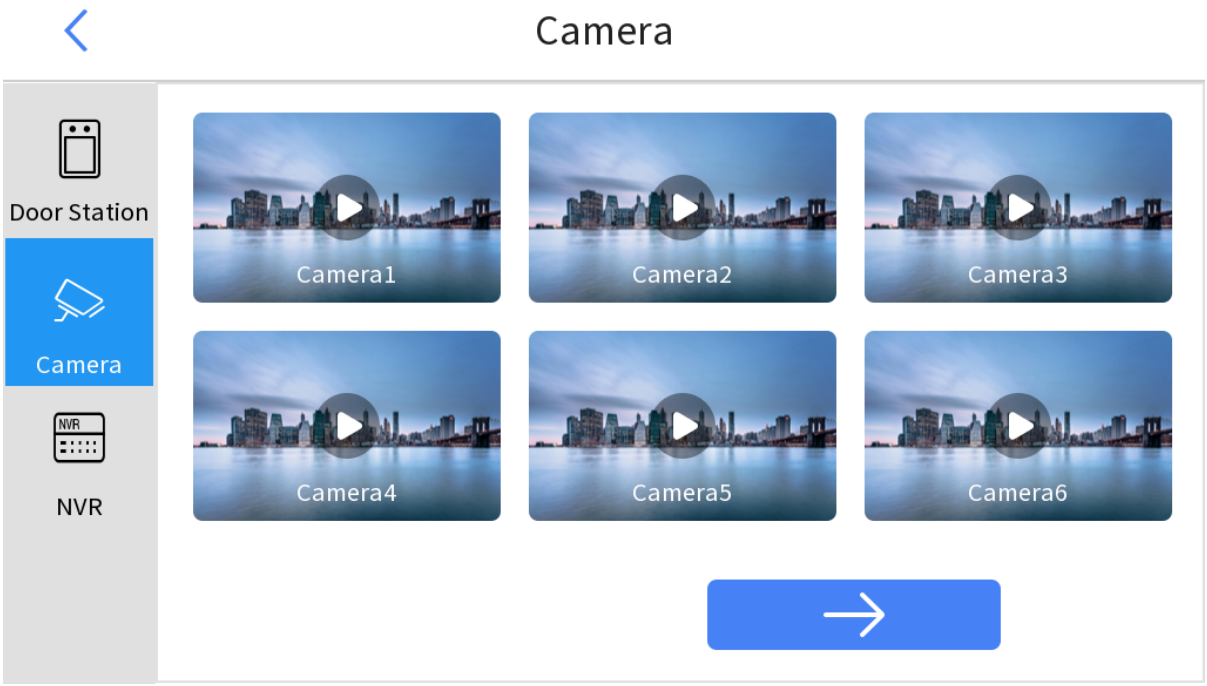
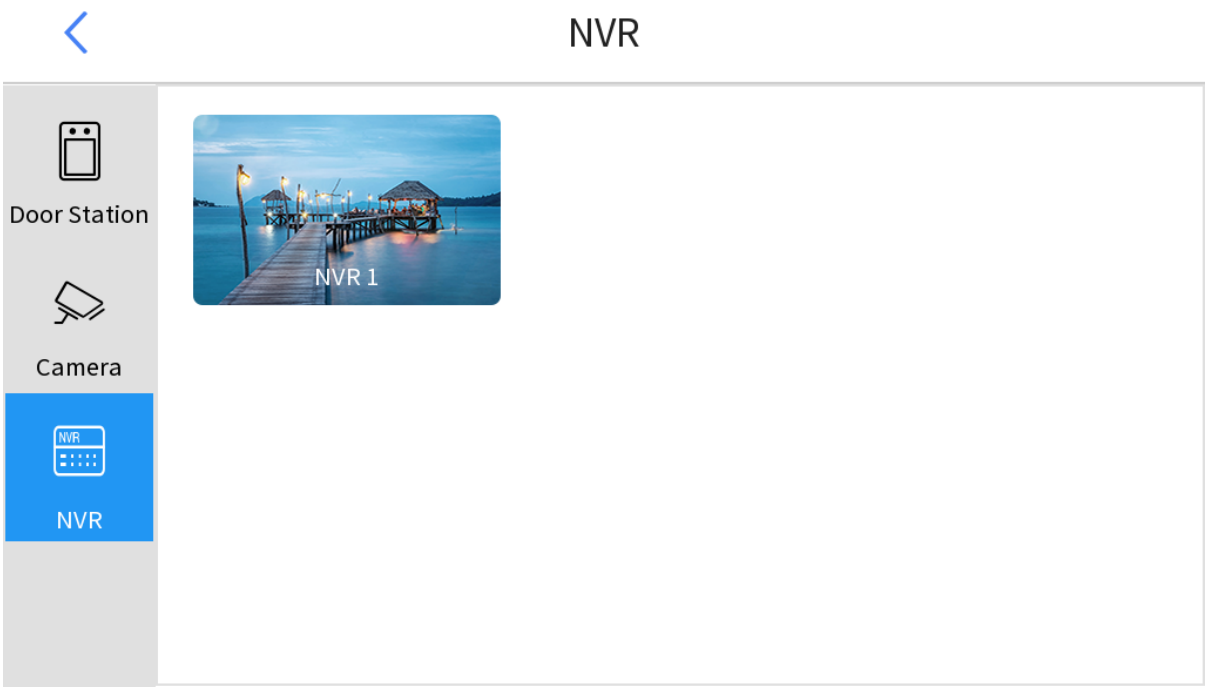


Figure 6-4: Live View-NVR



- On the **Door Station** or **Camera** tab, tap any device to play its live video.
- On the **NVR** tab, if the NVR is online, tap the NVR name and the connected cameras will be displayed, and you can tap any camera to play its live video; if the NVR is offline, tap the NVR name and no channel information will be displayed.

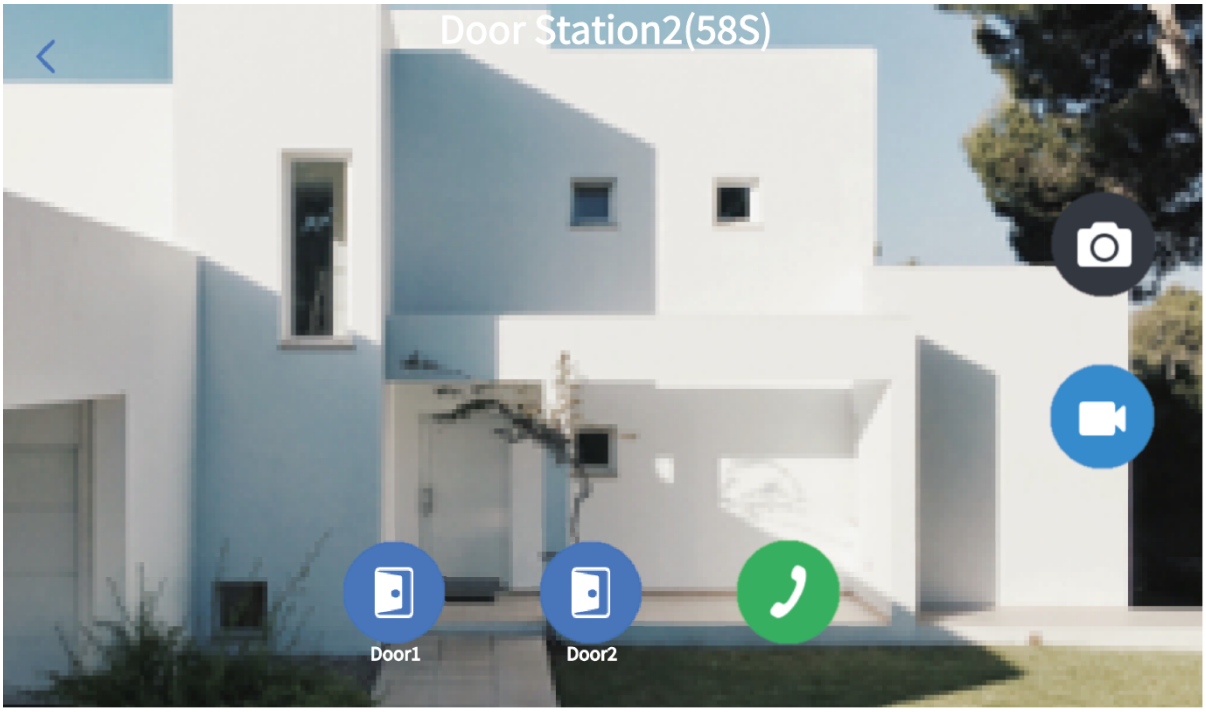
The device name and remaining play time will be displayed at the top of the screen.

Note: The default play time is the same as **Ringtone Duration(s)** in Call Settings. The screen will be automatically blacked out after the duration. To view the live video again, you need to tap the corresponding device.

Figure 6-5: Live View-Camera & NVR

Figure 6-6: Live View-Intelligent Recognition Terminal

Figure 6-7: Live View-Door Station



- : Tap to take a snapshot for the current image. You can view the snapshot records in Message.
- : Tap to record live video. Tap to stop recording. If the recording time reaches the upper limit or you exit the current screen, the recording will be ended. To play the recording, see Video Recording.

  Note: To use the recording function, please install a formatted Micro SD card, and then the recording icon is blue, otherwise the icon is grayed out.
- : Tap to send a door opening signal to the intelligent recognition terminal or door station, so as to open the door remotely.
- : Tap to call the door station. Only available to the single-button door station.
- : Tap to return to the home screen.

7 Make Calls

Note:

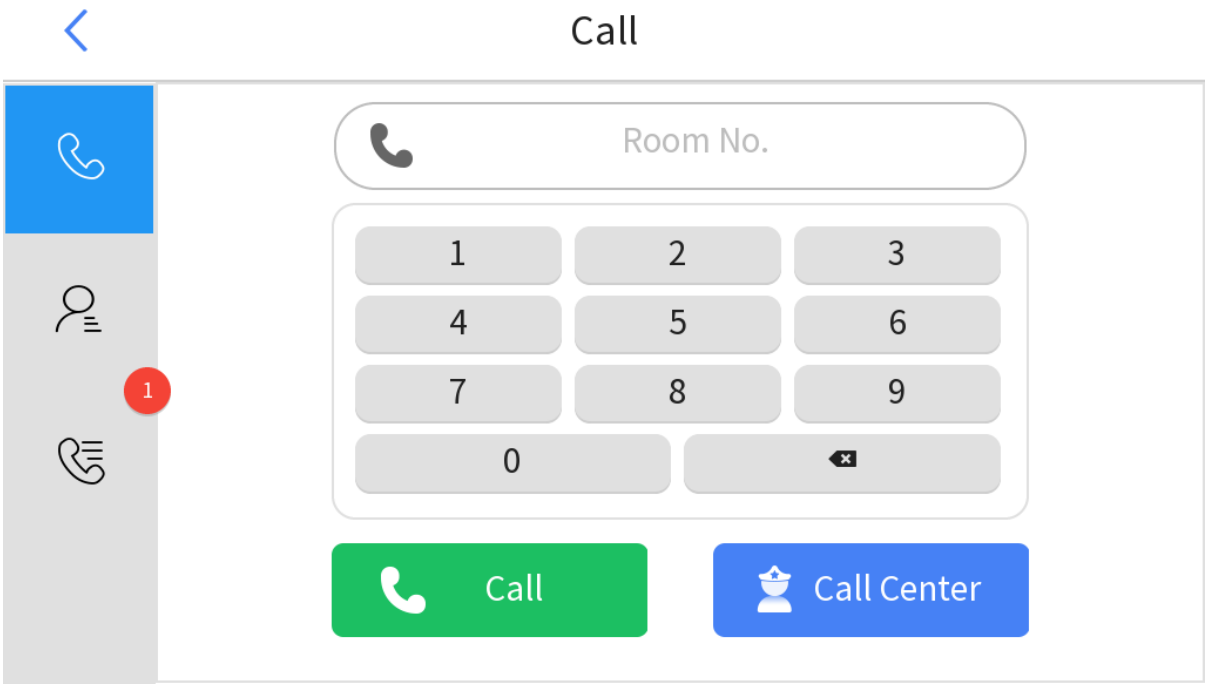
- This function is available to the indoor station's screen.
- By default, the system will automatically return to the Home Screen if there is no operation and incoming calls within 60 seconds. You can change the time to automatically return to the home screen in Indoor Station.

7.1 Make Calls

You can make a call if you want to contact the local device or friend device via the indoor station.

Tap , and the **Call** screen appears by default.

Figure 7-1: Call



The volume of the speaker and intercom can be adjusted during the call. See Answer Calls for detailed operation.

Call Other Extensions under the Same Unit

Input the room number on the current screen, and tap Call to initiate a call.

For example, if the indoor station initiating the call is located at District 1, Building 1, Unit 1, Room 101, and the device to be called is located at District 1, Building 1, Unit 1, Room 203, you need to input 203 on the indoor station's screen.

Call Local Device

- If the current device is a main indoor station, the local device means all extensions.
- If the current device is an extension, the local device means the main indoor station and all other extensions.

Note:

- Make sure the main indoor station has been related to the indoor extension (see Device Discovery for details).
- Extension user: Indoor stations at the same location (same room, unit, building, and district) are extensions. For details about location information, see Device Location.

  Figure 7-2: Extension No.

- The registration password of the extension must be consistent with that of the main station, otherwise the call may fail.

Go to **Call** > > **Local**, and tap of the local device you want to call.

Call Friend Device

Note: This function is only available to the main indoor station's screen.

Go to **Call** > > **Friends**, and tap of the friend device you want to call.

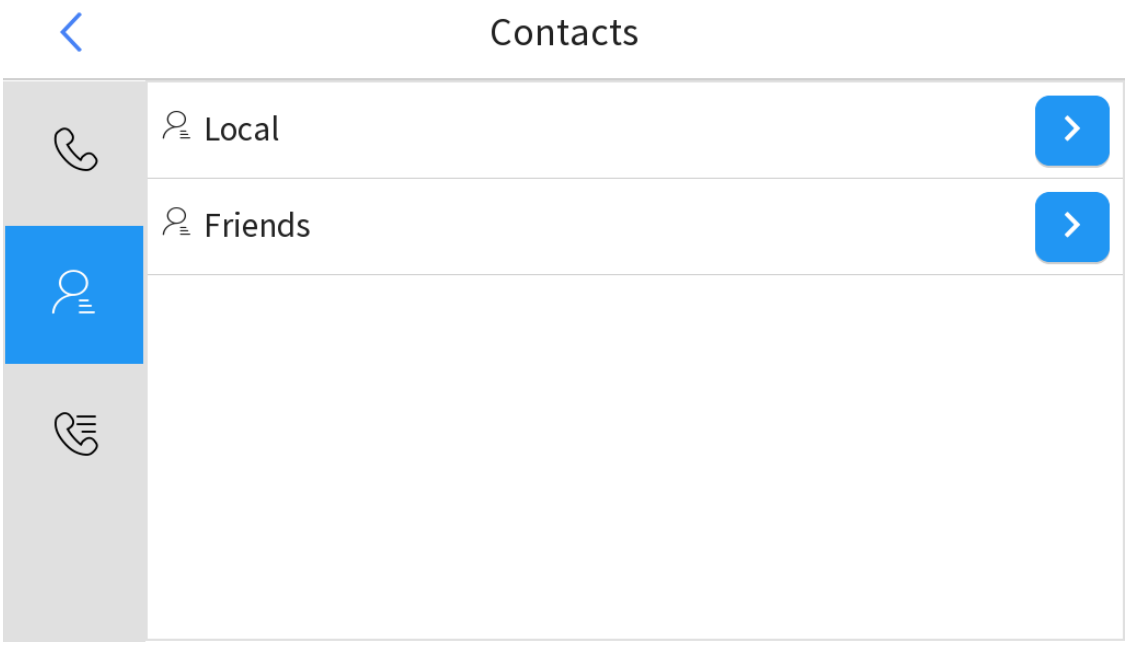
Call Center

If the indoor station is related to the central server (see Configure Central Server for details), you can tap Call Center to call the central server.

7.2 Contacts

Tap , and tap to enter the **Contacts** screen.

Figure 7-3: Contacts

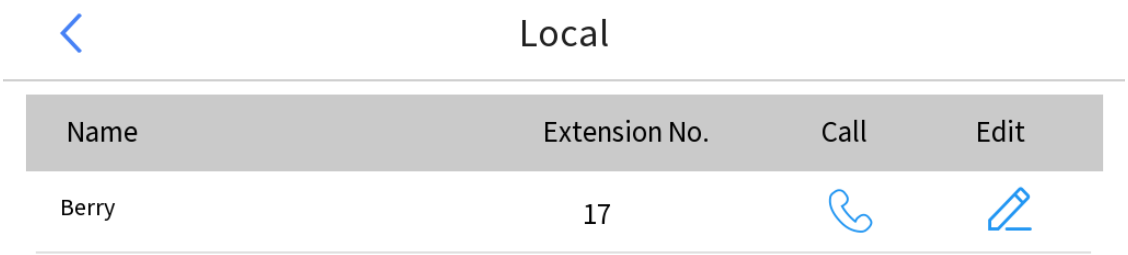


The contacts include local contacts and friend contacts.

Local

- If the current device is the main station, all extensions will be displayed.
- If the current device is an extension, the main station and all other extensions will be displayed.

Figure 7-4: Local Contacts



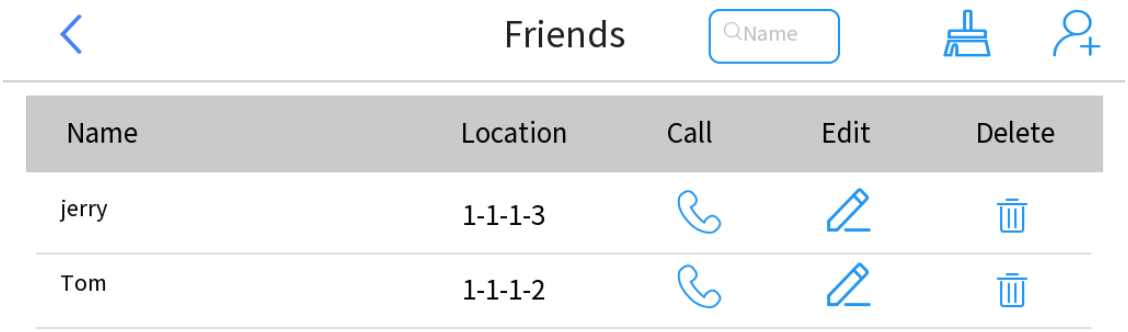
- Call: Tap to call the corresponding contact.
- Edit: Tap to edit the contact name.

Friends

Store the frequently used contacts (including name and location), sorted by the first letter of the name.

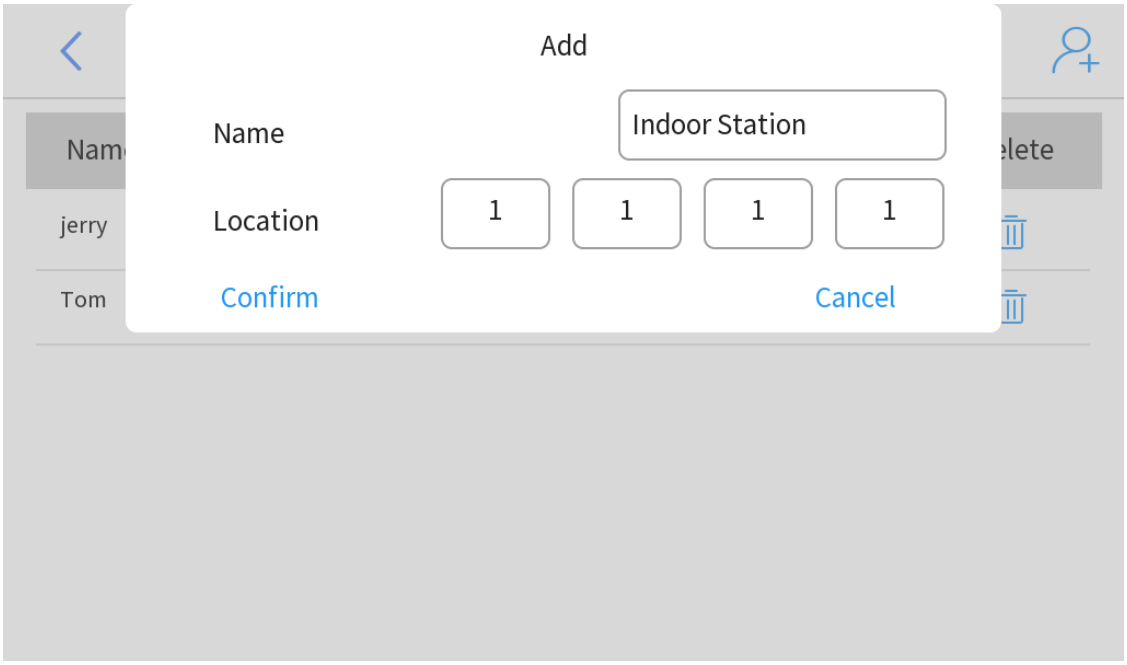
Note: This function is only available to the main indoor station's screen.

Figure 7-5: Friend Contacts



- Call: Tap to call the contact.
- Search: Enter the full name or the first letter of the name in Name to search for the corresponding contact.
- Add: Up to 181 friends are allowed.
  1. Tap to enter the **Add** screen.

Figure 7-6: Add Friend



2. Enter the contact name and location, and tap **Confirm**.

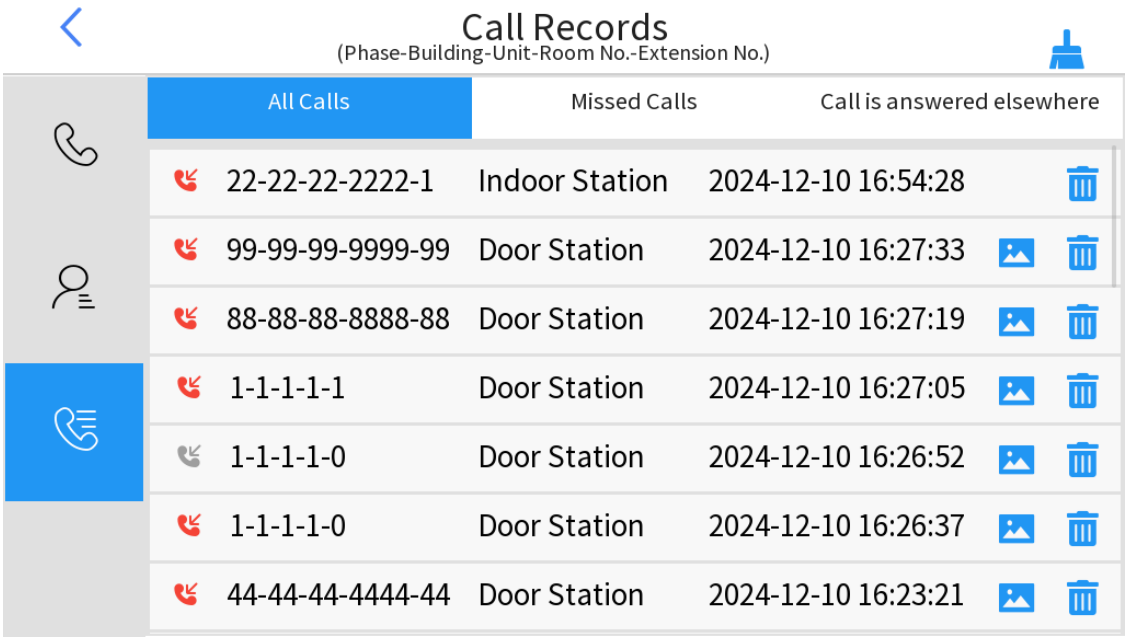
- Edit: Tap to edit the contact name and location information.
- Delete a contact: Select a contact you want to delete, tap , and tap **Confirm** in the pop-up window.
- Delete all contacts: Tap in the upper-right corner, and tap **Confirm** in the pop-up window.

7.3 Call Records

Tap , and tap to enter the Call Records screen.

- Up to latest 200 records can be displayed if the device has no memory card, including the **All Calls**, **Missed Calls**, and **Call is answered elsewhere** lists.
- If there are missed calls, a prompt will appear in the right corner of the **Call** and **Call Records** icons, for example / . The red number means the number of the missed calls, and it will disappear if you view the missed call records.

Figure 7-7: Call Records



- /: The call was accepted/declined.
- /: The call was answered/hung up.
- Delete a record: Select a record you want to delete, tap , and then tap **Confirm** in the pop-up window.
- Delete all records: Tap in the upper-right corner, and then tap **Confirm** in the pop-up window.
- View call snapshots: If you manually answer/hang up the call from the intelligent recognition terminal/door station, the indoor station will automatically capture the screen at the moment when the call is answered/ hung up. Select a record, and tap to view its call snapshot. Tap anywhere on the screen to close the snapshot.

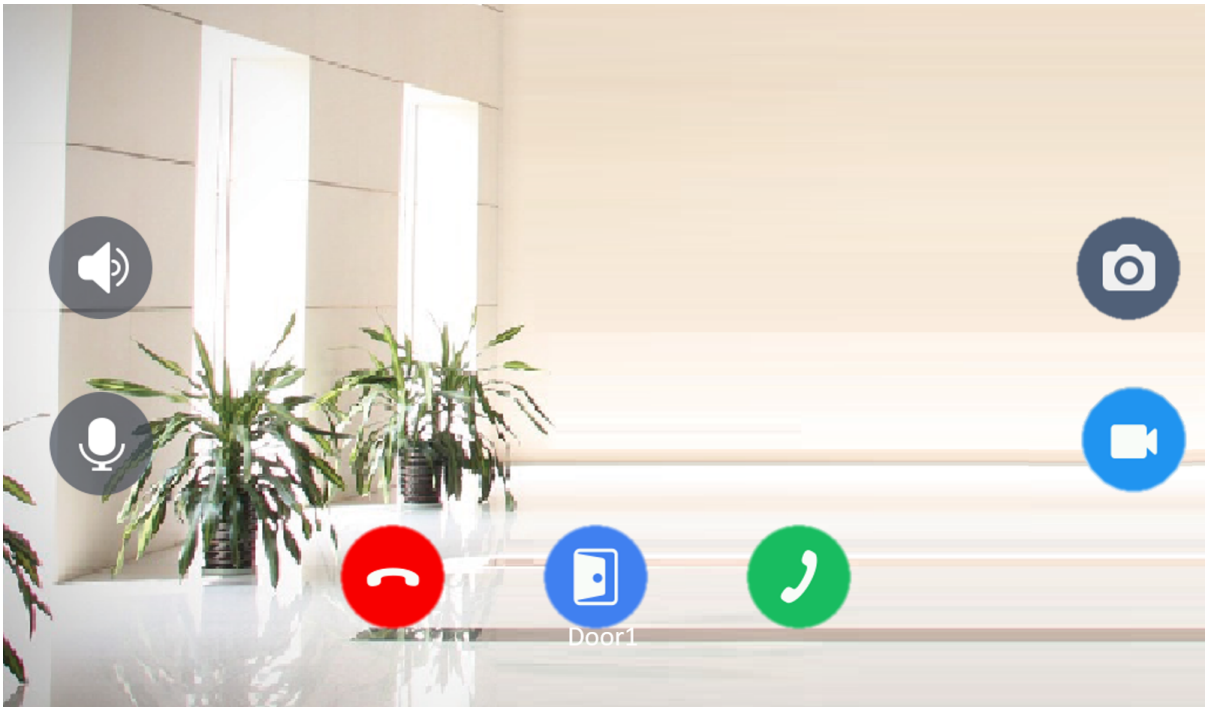
8 Answer Calls

When the indoor station receives incoming calls from the connected intelligent recognition terminal, door station, or other extensions, you can operate as follows.

Note:

- The registration password of the device that initiates the call must be consistent with that of this device, otherwise the incoming call cannot be answered normally.
- The indoor station can be used with the UNV-Link app after being connected to a Wi-Fi network (please relate the device to the app in Device Maintenance first). Then, you can view the live video, answer/reject calls, and remotely open the door on the app.

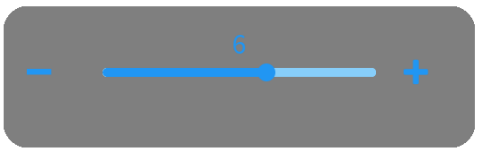
Figure 8-1: Answer



- View live video: When the indoor station receives a call from the connected intelligent recognition terminal or door station, the indoor station screen will play the live video of the call terminal. The live video will be ended if you reject the incoming call or hang up the call.
- : Tap to answer the call.
- : Tap to reject the incoming call or hang up the call.
- : Remotely open the door.
- : Take a snapshot of the current image.
- : Tap to start recording. Tap to stop recording. If the call is ended by caller or answer, or tap to answer the call, the recording will be ended. To play the recording, see Video Recording.

  Note: To use the recording function, please install a formatted Micro SD card.
- / : Adjust the volume of the speaker or microphone during a call (the following takes the adjustment of speaker volume as an example).

  1. Tap , the icon changes to and the volume control widget appears in the center of the screen.

  2. Tap / , or drag to adjust the volume. The volume will be effective after adjustment.
  3. Tap or tap any empty area on the screen to close the volume control widget.
- The response to an incoming call may vary, depending on the status of auto answer and visitor message.

Auto Answer	Visitor Message	Response
On	Off	The incoming call is hung up and the device that initiates calls plays the auto-answer voice.
On	On	The **Visitor Message** screen is displayed.
Off	On	• Answer: The talk starts. • Reject: The incoming call is hung up. • No answer after timeout: The **Visitor Message** screen is displayed.
Off	Off	• Answer: The talk starts. • Reject/No answer after timeout: The incoming call is hung up.

Note: If the main indoor station has been related to an extension or the app, when the caller starts to leave a message, the extension or the app will automatically return to the home screen, while the main indoor station shows the incoming call and displays the prompt "**Leaving a message....**".

9 Message

Note: By default, the system will automatically return to the Home Screen if there is no operation and incoming calls within 60 seconds. You can change the time to automatically return to the home screen in Indoor Station.

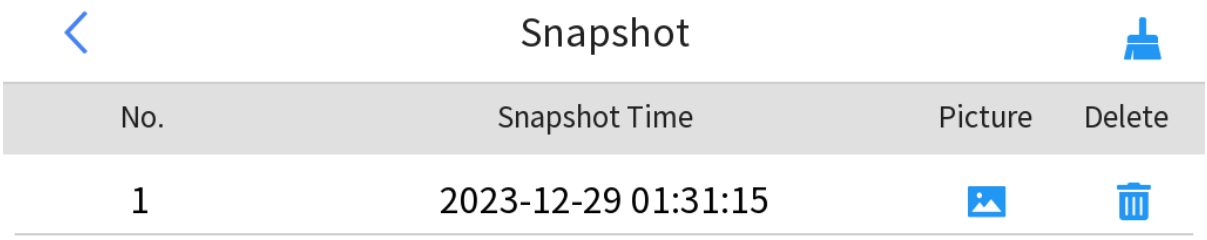
9.1 Snapshot

Store all snapshots from Live View.

Up to 100 snapshots can be stored. When the storage space is full, the new image will automatically overwrite the oldest image.

Tap  , tap **Snapshot**, and then the snapshot records are displayed in decreasing order of snapshot time.

Figure 9-1: Snapshot



- View a snapshot: Select a snapshot, and tap to view its call snapshot. Tap anywhere on the screen to close the snapshot.
- Delete a snapshot: Select a snapshot you want to delete, tap , and then tap **Confirm** in the pop-up window.
- Delete all snapshots: Tap in the upper-right corner, and then tap **Confirm** in the pop-up window.

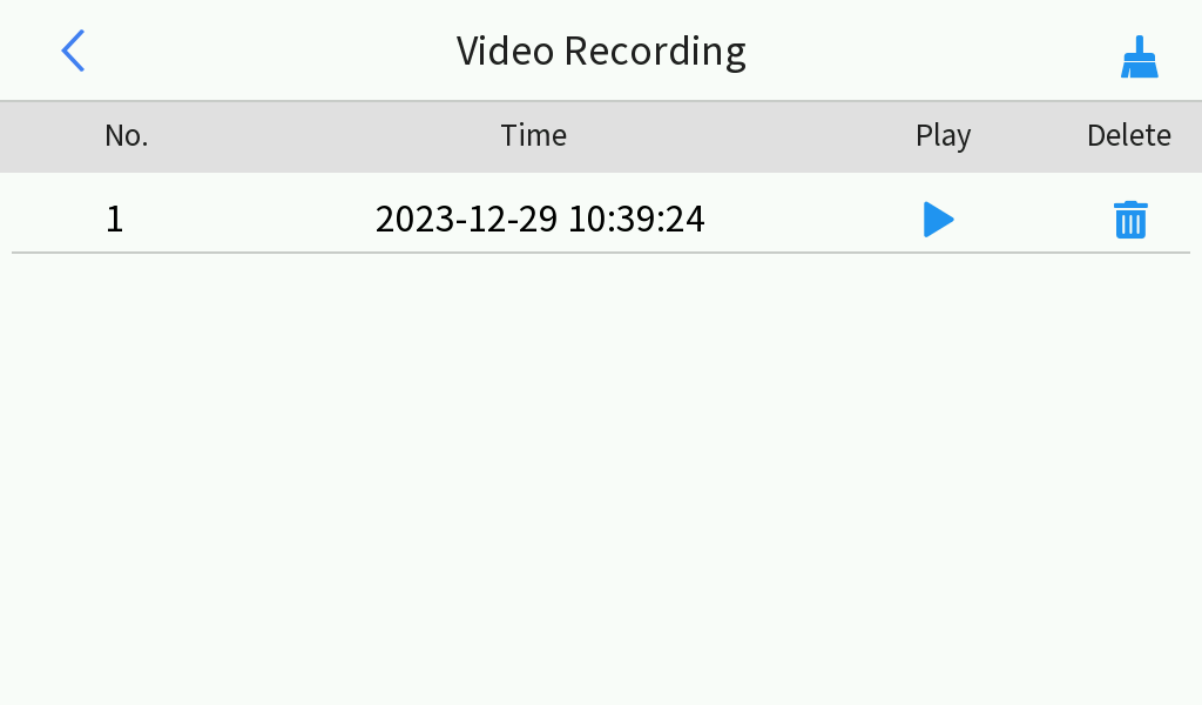
9.2 Video Recording

Store videos from Live View and Answer Calls.

Up to 100 recordings can be stored for the device with a Micro SD card. When the storage space is full, the new video will automatically overwrite the oldest video.

Tap , tap **Video Recording**, and then the video recordings are displayed in decreasing order of recording time.

Figure 9-2: Video Recording



- Play a recording: Select a recording, and tap to play the video.
- Delete a recording: Select a recording you want to delete, tap , and then tap **Confirm** in the pop-up window.
- Delete all recordings: Tap in the upper-right corner, and then tap **Confirm** in the pop-up window.

9.3 Visitor Message

If the indoor station does not answer the call until the calling duration is ended, a message recorded on the door station will be stored to it. If the number of messages reaches the upper limit, or the call is hung up by the indoor station or door station, the message will be ended. If the indoor station answers the call, this message will not be stored.

Note:

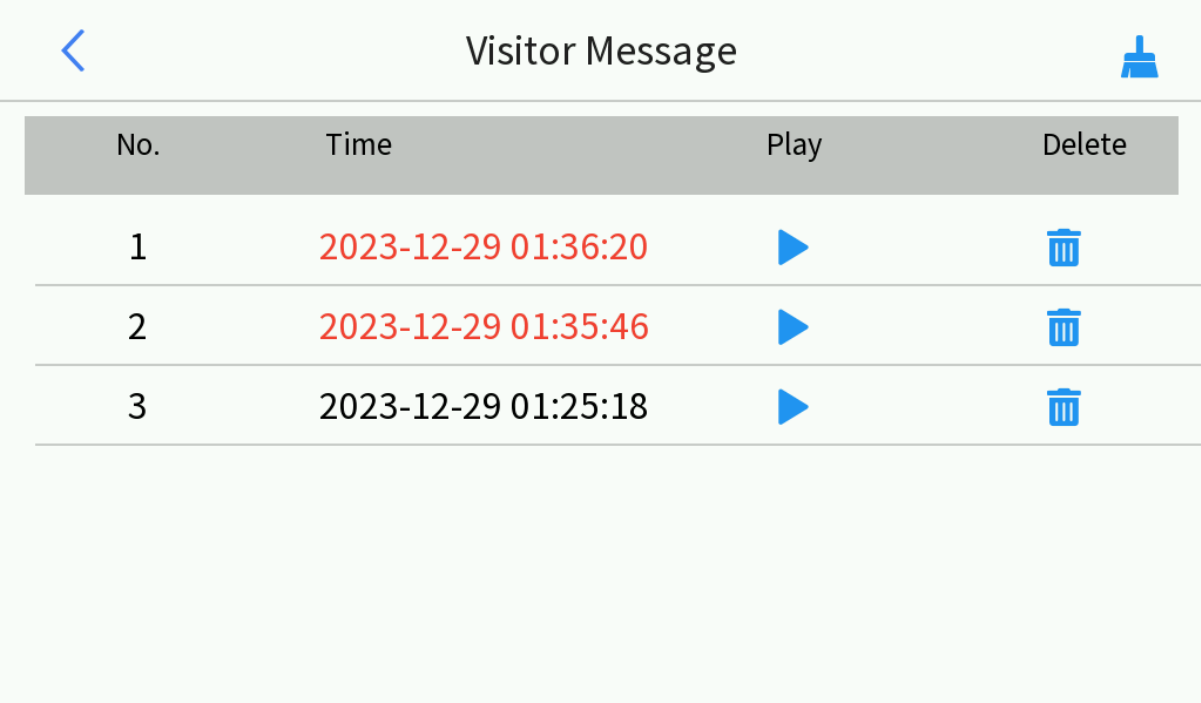
- Enable **Visitor Message** in Visitor Message Settings and configure the message duration as needed.
- Set the calling duration in Call Settings.
- This function is only available to the main indoor station.

Visitor message storage limit: Up to 10 messages for the device without a Micro SD card; up to 100 messages for the device with a Micro SD card. When the storage space is full, the new message will automatically overwrite the oldest message.

If there are missed visitor messages, a prompt will appear in the upper-right corner of the Message icon, for example  . The red number means the number of the missed visitor messages, and it will decrease accordingly after you play the missed messages.

Tap  , tap **Visitor Message**, and then the visitor messages will be displayed in decreasing order of message time.

Figure 9-3: Visitor Message



- Red time: This message is to be played; Black time: This message has been played.
- Play a message: Select a message, and tap  to play the message.
- Delete a message: Select a message you want to delete, tap  , and then tap **Confirm** in the pop-up window.
- Delete all messages: Tap  in the upper-right corner, and then tap **Confirm** in the pop-up window.

10 Settings

The indoor station's screen supports Sounds, General Settings, Wi-Fi, and Administration Configuration.

Note: By default, the system will automatically return to the Home Screen if there is no operation and incoming calls within 60 seconds. You can change the time to automatically return to the home screen in Indoor Station.

10.1 Sounds

10.1.1 Call Settings

1. Tap  , and go to **Sounds** > **Call Settings**.

Figure 10-1: Call Settings-Main Station

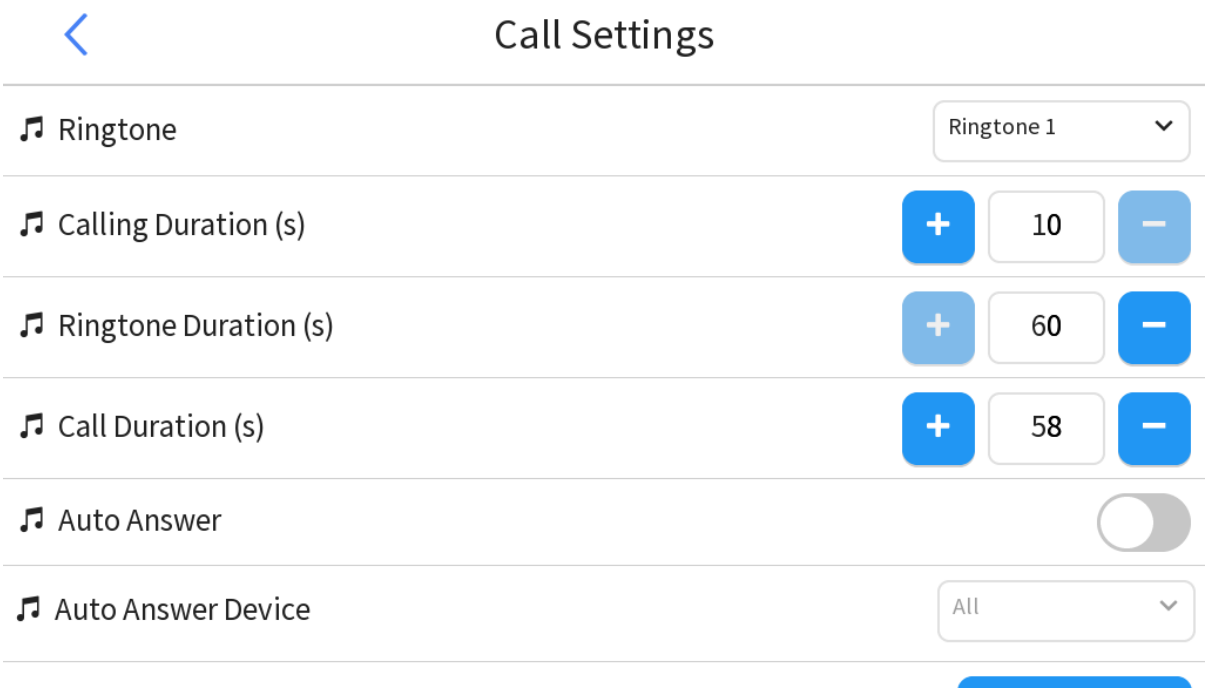
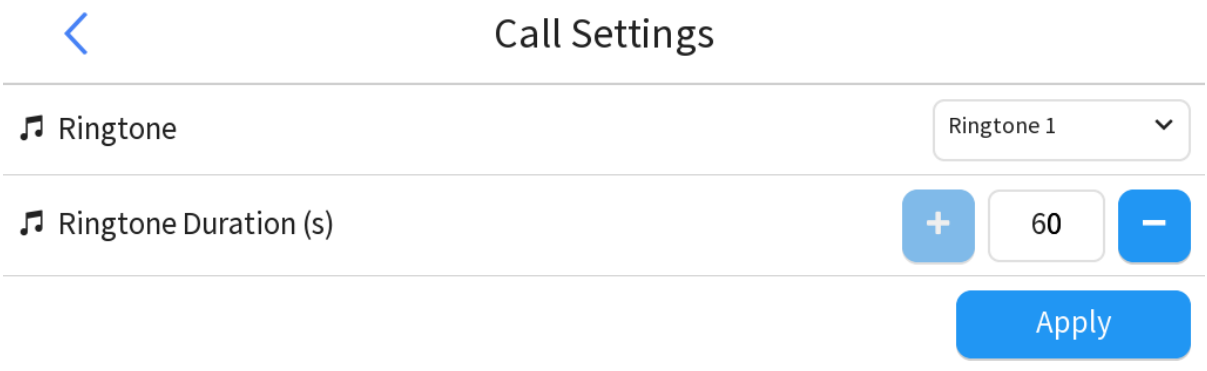


Figure 10-2: Call Settings-Extension



2. Set sound parameters as needed. Refer to the description below.

Parameter	Description
Ringtone	The ringtone that sounds when the indoor station receives a call. Three ringtones are available by default, including Ringtone 1, Ringtone 2, and Ringtone 3.

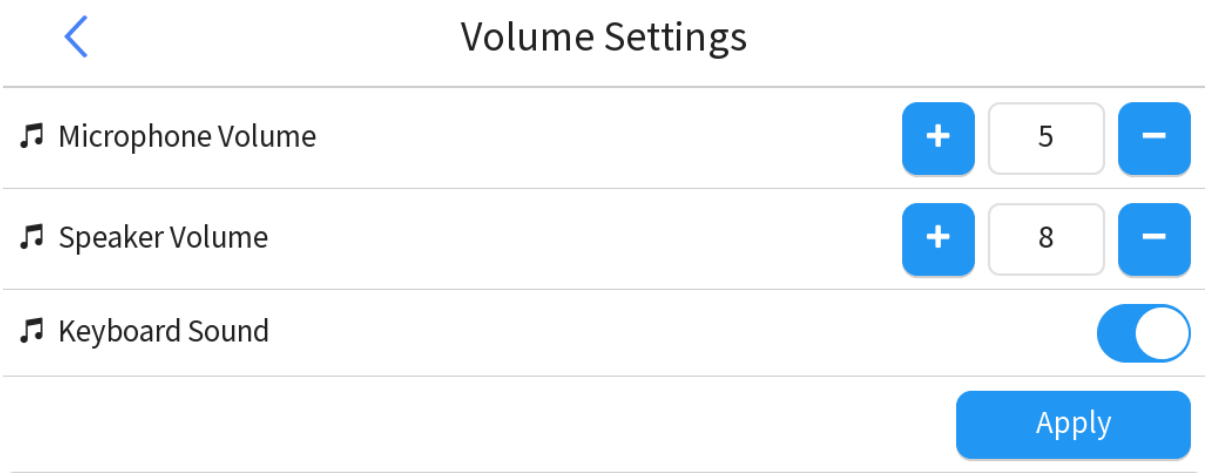
Parameter	Description
	The custom ringtone is the same as the Ringtone 1 by default. You can also import a custom ringtone as follows: (1) Save the audio you want to use to a SD card. Audio requirements: MP3 file, 8K sample rate, 16bit, mono channel, less than 10 seconds, less than 25KB, named as **Custom**. (2) Power off the indoor station, and insert the SD card. (3) Start up the indoor station, enter the **Call Settings** screen, choose **Custom** from the **Ringtone** list, and then tap **Apply**.
Calling Duration (s)	The time period that the indoor station initiates a call until the call is answered. Range: [10-60], integer only. Default: 60. You can tap + / − to adjust the value.
Ringtone Duration (s)	Length of time that the ringtone sounds when the indoor station receives a call. Range: [10-60], integer only. Default: 60. You can tap + / − to adjust the value.
Call Duration (s)	The maximum time period that the indoor station answers a call until the call is ended. The call will end automatically when the call duration exceeds the set one. Range: [30-60], integer only. Default: 60. You can tap + / − to adjust the value.
Auto Answer	When enabled, the indoor station's screen that to be called has no response, and the caller failed to make a call. By default, this function is disabled. You can tap to enable it.
Auto Answer Device	When **Auto Answer** is enabled, you can choose the type of the device type to answer automatically. • All: The calls initiated from all devices will fail. • Indoor Station: Only the call from the indoor station will fail. The response may vary with device type. • Extension/intelligent recognition terminal: A voice is played and a message is displayed on the screen to prompt no answer. • Door station: A voice is played "**The user you are calling is unavailable**".

3. Tap Apply. A success message means the settings are saved.

10.1.2 Volume Settings

1. Tap , and go to **Sounds** > **Volume Settings**.

Figure 10-3: Volume Settings



2. Set sound parameters as needed. Refer to the description below.

Parameter	Description
Microphone Volume	Sound volume of the microphone during the call. Range: [0-10], integer only. Default: 5. You can tap + / − to adjust the value.
Speaker Volume	Sound volume of the speaker during the call. Range: [0-10], integer only. Default: 8. You can tap + / − to adjust the value.
Keyboard Sound	Sound to be played when you press on the indoor station's screen. By default, the keyboard sound is enabled. You can tap to disable it.

3. Tap Apply. A success message means the settings are saved.

10.2 General Settings

10.2.1 Display Settings

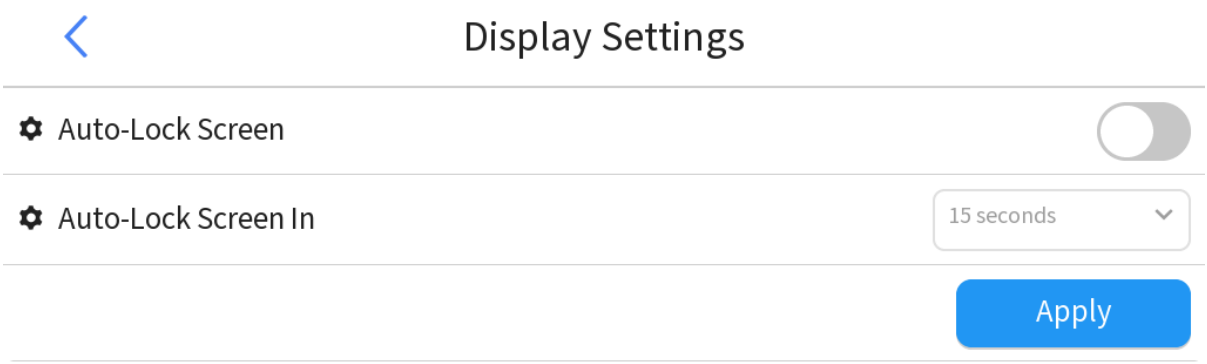
Set the auto-lock screen parameters.

When **Auto-Lock Screen** is enabled, the screen turns off automatically if there is no user operation and incoming call during the set time. Tap anywhere on the screen to unlock the screen.

User can turn off the screen manually anytime by tapping the **Lock Screen** button on the home screen. See Lock Screen Manually for details.

1. Tap , and go to **General Settings** > **Display Settings**.

Figure 10-4: Display Settings



2. Tap to enable **Auto-Lock Screen**.
3. Set the auto-lock screen time. Default: 15 seconds. Options: 15 seconds, 30 seconds, 1minute, 2minutes, 5minutes, 10minutes.
4. Tap Apply. A success message means the settings are saved.

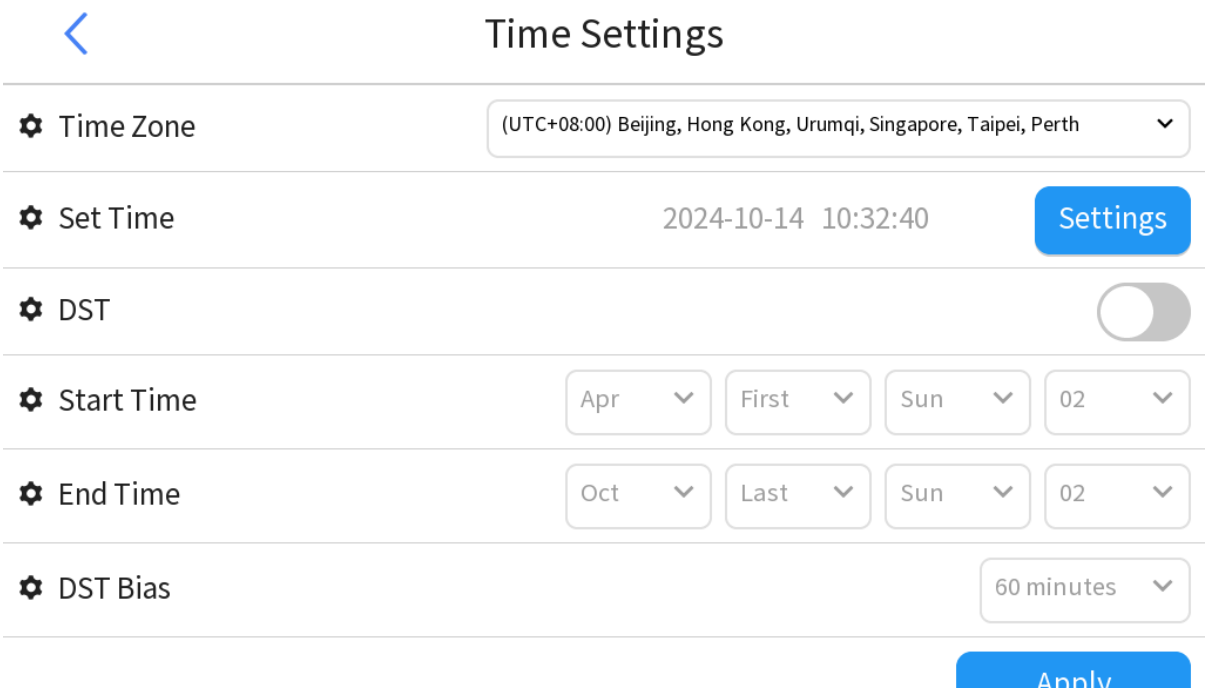
10.2.2 Time Settings

Set the system time of the indoor station.

For time configuration on the Web interface, see Time.

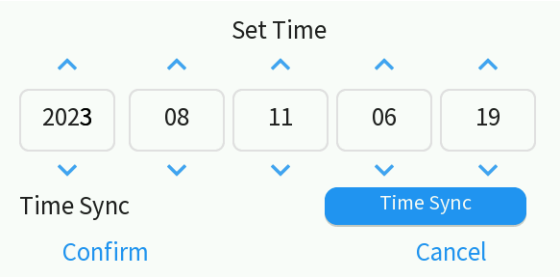
1. Tap , and go to **General Settings** > **Time Settings**.

Figure 10-5: Time Settings



2. Set the time zone. It takes effect immediately after setting.
3. Tap Settings. The **Set Time** screen appears.

   Figure 10-6: Set Time

   (1) The following two ways are available.

   - Enter the specific time.
   - Tap **Time Sync**. The indoor station time will automatically sync with the first connected device, or with the next connected device if the time synchronization fails. The extension time will automatically sync with the main indoor station.

     Note:

     - After enabling the time synchronization, the specific time will be invalid.
     - If the indoor station restarts or is connected to a new intelligent recognition terminal/door station, the time will be synced automatically.

   (2) Tap **Confirm** to save the settings.
4. (Optional) Set the DST. It is disabled by default.
5. Tap Apply at the bottom of the screen. A success message means the settings are saved.

To ensure that the time of the devices in the same network is consistent, the following time synchronization strategies are adopted, which is based on the online status of the main indoor station (hereinafter referred to as "main station") or any bound single-button door station on EZCloud.

- If the main station has been connected to cloud: Upon the initial connection to cloud, the main station will sync the time with cloud, and then sync the time to all bound single-button door stations and extensions. The time synchronization will recur every 60 minutes or so, commencing from the first synchronization.

  After the main station is connected to cloud, if new devices are bound to the main station, the main station will sync its time to the bound devices.
- If the bound single-button door station has been connected to cloud, the main station will sync the time with this door station every 60 minutes or so, and then sync the time to all bound single-button door stations and extensions.
- If the main station and any single-button door station have not been connected to cloud:
  - For the main station that has no connected intelligent recognition terminal or door station:
    - When you add a device manually, the indoor station will automatically sync the time with the connected device.
    - When you add devices in batches, the indoor station will automatically sync the time with the first connected device.
  - For the extension: After the extension is connected to the main station, the extension will automatically sync the time with the main station.

10.2.3 Password Settings

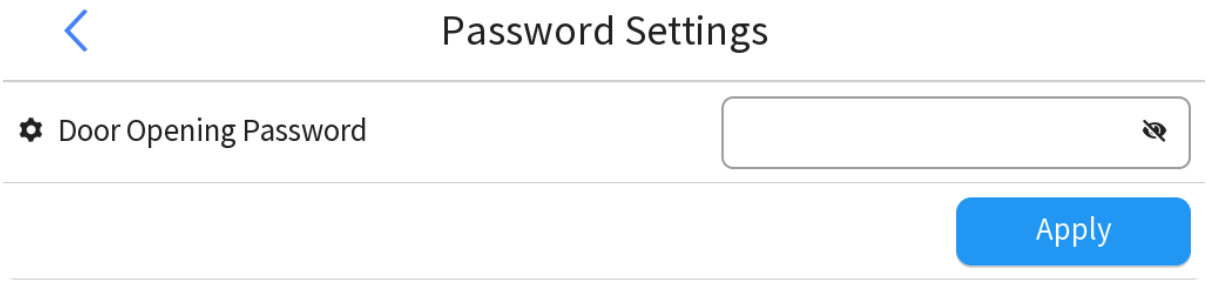
Set the door opening password. This password can be used to open all doors connected to the indoor station.

Note:

- To use this function, enable the password verification function on the intelligent recognition terminal first.
- This function is only available to the main indoor station.

1. Tap , and go to **General Settings** > **Password Settings**.

Figure 10-7: Password Settings



2. Input the door opening password with 4 to 30 characters.
3. Tap Apply. A success message means the settings are saved.

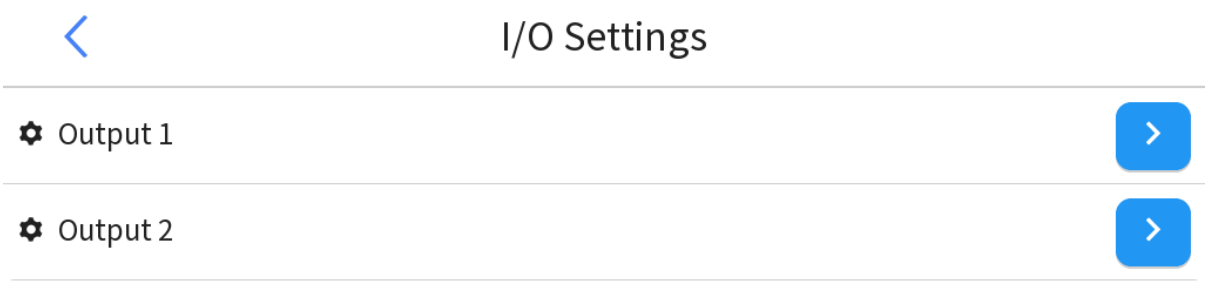
10.2.4 I/O Settings

When the indoor station receives a call from the door station, it will send output signals to the connected output devices (for example, alarm light).

Note: To relate the door station to the indoor station, see Related Devices and Device Discovery for details.

1. Tap , and go to **General Settings** > **I/O Settings**.

Figure 10-8: I/O Settings



2. Tap **Output 1**, and then configure the related parameters.

Figure 10-9: I/O Settings-Output 1

- Enable: When enabled, the indoor station will send output signals to its connected output devices.
- Delayed: The delayed time period after the door station initiates a call. The indoor station will send output signals after the delay ends but the call still continues or the call is in progress.
- Duration: The time period that the indoor station continues sending output signals. If the call ends in the set duration, or the set duration reaches, the indoor station will no longer send output signals.

3. Tap Apply. A success message means the settings are saved.
4. (Optional) Tap **Output 2**, and then configure related parameters by referring to the steps above.

10.2.5 Visitor Message Settings

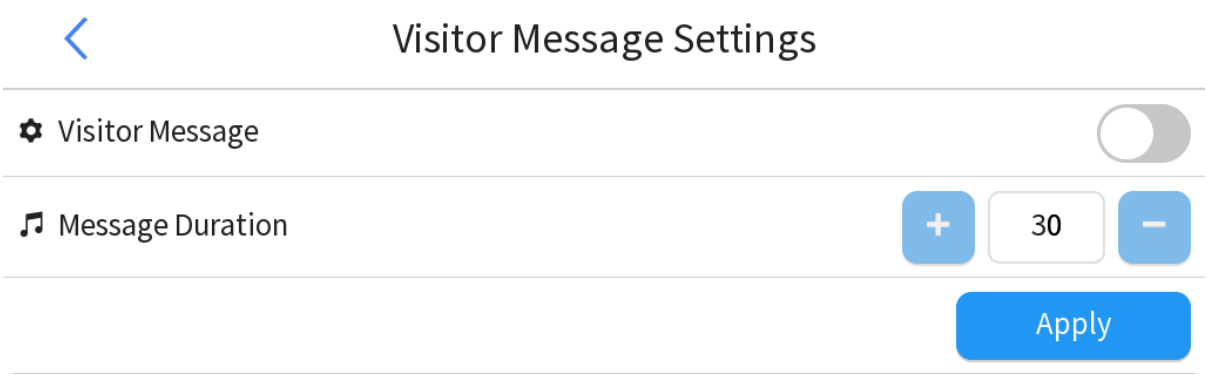
If the indoor station does not answer the call after the set call duration, the visitor can leave a message with the door station, and the message will be stored to the indoor station. You can view the message contents in Visitor Message.

Note:

- This function is only available to the main indoor station.
- You can set the calling duration in Call Settings.

1. Tap , and go to **General Settings** > **Visitor Message Settings**.

Figure 10-10: Visitor Message Settings



2. Enable **Visitor Message**.
3. Set the message duration. If the message duration reaches the upper limit, or the call is hung up manually by the indoor station or door station, the message will be ended and stored to the indoor station. If the indoor station answers the call, this message will not be stored.

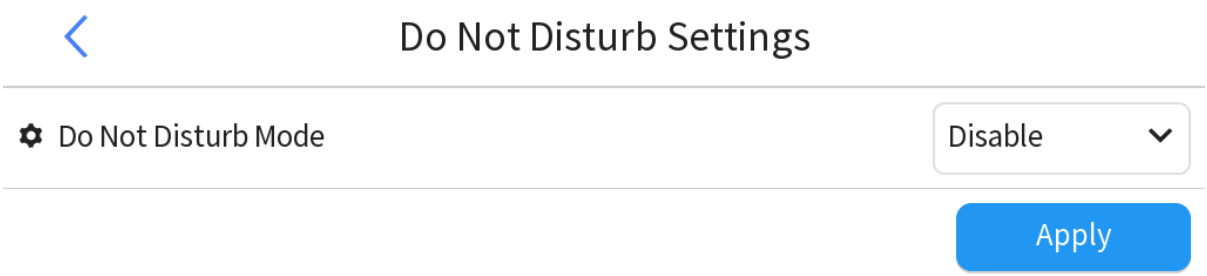
   Range: [30-60], integer only. Default: 30.
4. Tap Apply. A success message means the settings are saved.

10.2.6 Do Not Disturb Settings

Enable/disable Do Not Disturb, and set the Do Not Disturb duration.

1. Tap , and go to **General Settings** > **Do Not Disturb Settings**.

Figure 10-11: Do Not Disturb Settings



2. Set Do Not Disturb mode.
   - Disable: Disable Do Not Disturb, and the corresponding icon on the home screen is displayed as  .
   - All Day: Enable Do Not Disturb all day, and the corresponding icon on the home screen is displayed as  .
   - Schedule: Enable Do Not Disturb within the set time period, and the schedule will be performed every 24 hours.

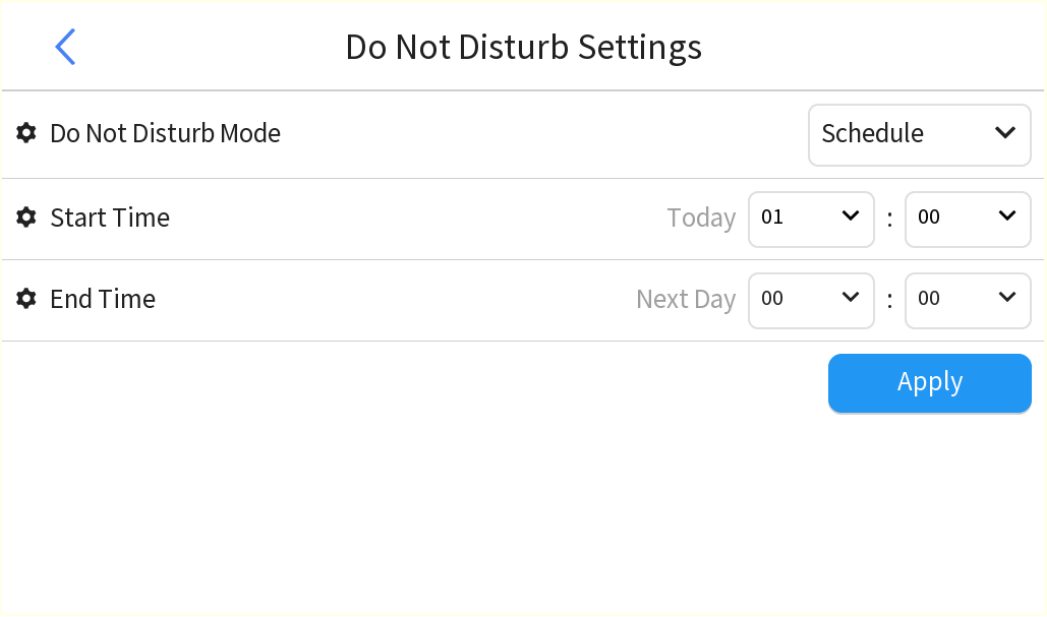
     You need to set the start time and end time for this mode.

      is displayed on the home screen within the set time period, while  is displayed outside of the set time period.

Note:

- If you manually disable **Do Not Disturb** on the home screen within the set time period (that is, change the icon to ), the set schedule will be ineffective.
- If the end time is less than the start time, it indicates that the time period spans two days.

Figure 10-12: Span Two Days



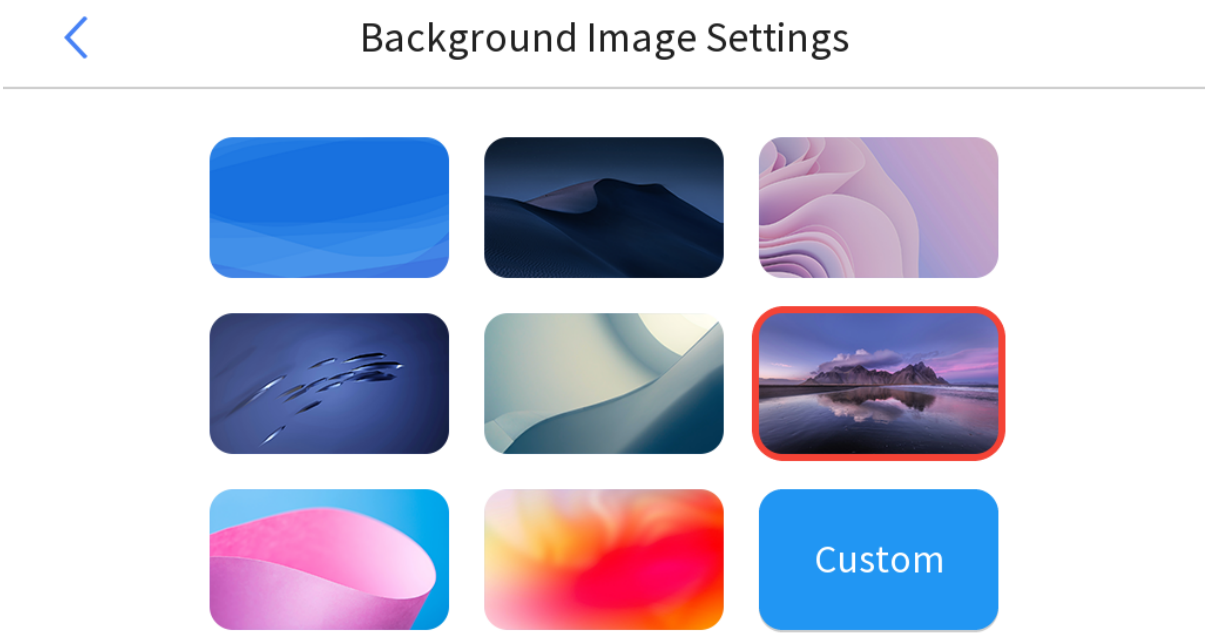
3. Tap Apply. A success message means the settings are saved.

10.2.7 Background Image Settings

You can change the background image on the Home Screen.

1. Tap  , and go to **General Settings** > **Background Image Settings**. The image encircled by red box is the currently used one.

Figure 10-13: Background Image Settings



2. Select an image you want to use.

- Use system image: The first 8 images are system images. Tap the desired background image, and the preview effect will be displayed.

  Figure 10-14: Preview Effect

  - Tap  to reselect the image.
  - Tap Apply. A success message means the settings are saved.

- Use custom image:

  Image requirements: Single image with a resolution of 1024*600, BMP/JPG format in 24-bit or PNG format in 32-bit, named **main-heng**.

  (1) Create a new folder on the Micro SD card and name it **Image**, and then store the custom image in this folder.

  (2) Make sure that the indoor station can be turned off normally. Disconnect it from power, insert the Micro SD card, and then reconnect the power.

  (3) Tap  , and go to **General Settings** > **Background Image Settings**.

  (4) Tap Custom, and the file format prompt window appears. Tap **Confirm**, and the system will automatically read the image from the Micro SD card and show the preview effect (the same as the preview effect of the system image).

  (5) Tap Apply. A success message means the settings are saved.

10.3 Wi-Fi

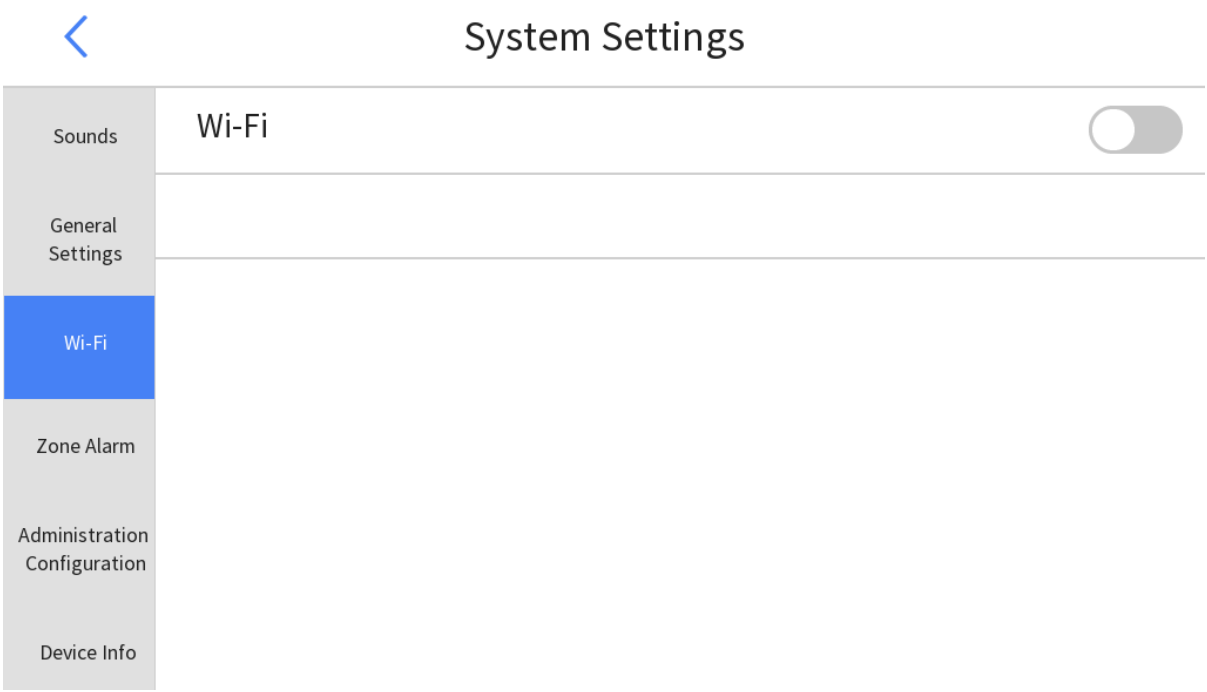
Configure Wi-Fi for the indoor station network connection, so the call, live view, device connection, and other operations can be used normally.

See Wi-Fi for details.

Add Wi-Fi

1. Tap  , and tap **Wi-Fi**.

Figure 10-15: Wi-Fi

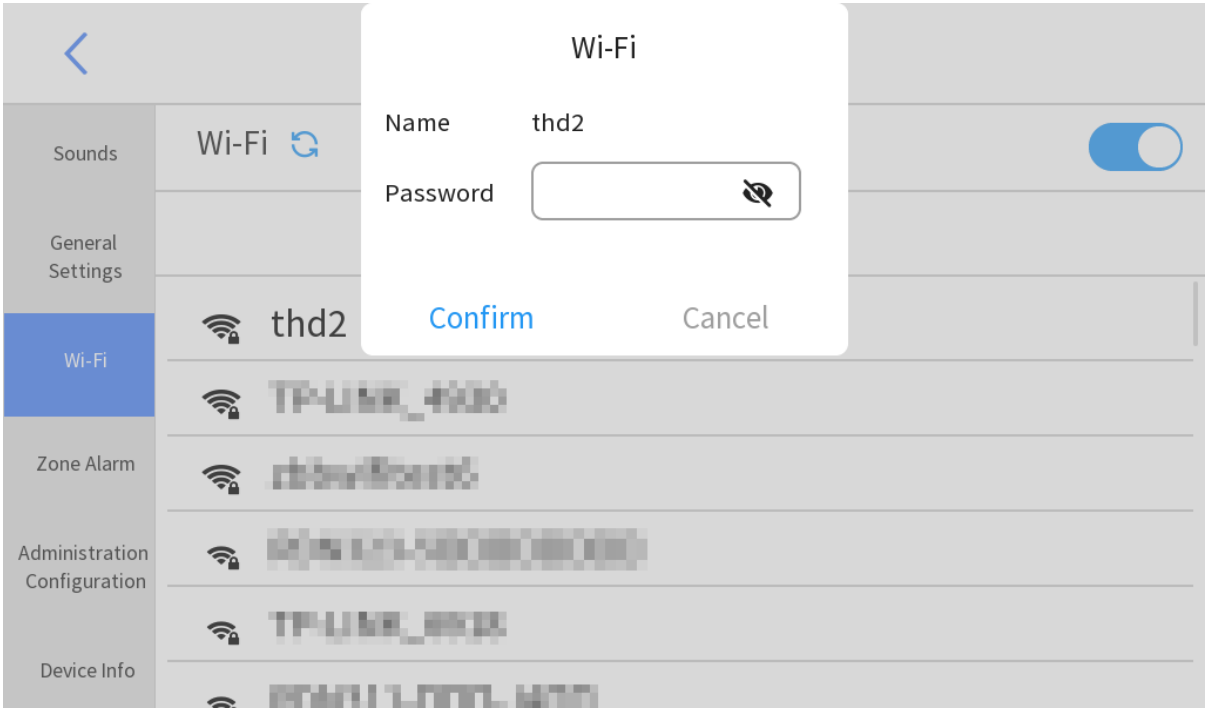


2. Tap to enable Wi-Fi. The available Wi-Fi networks will be searched automatically and displayed in the list below from strong to weak signal.

   Note: The network segment of the Wi-Fi cannot be the same as that of the wired network, otherwise the call function is unavailable.

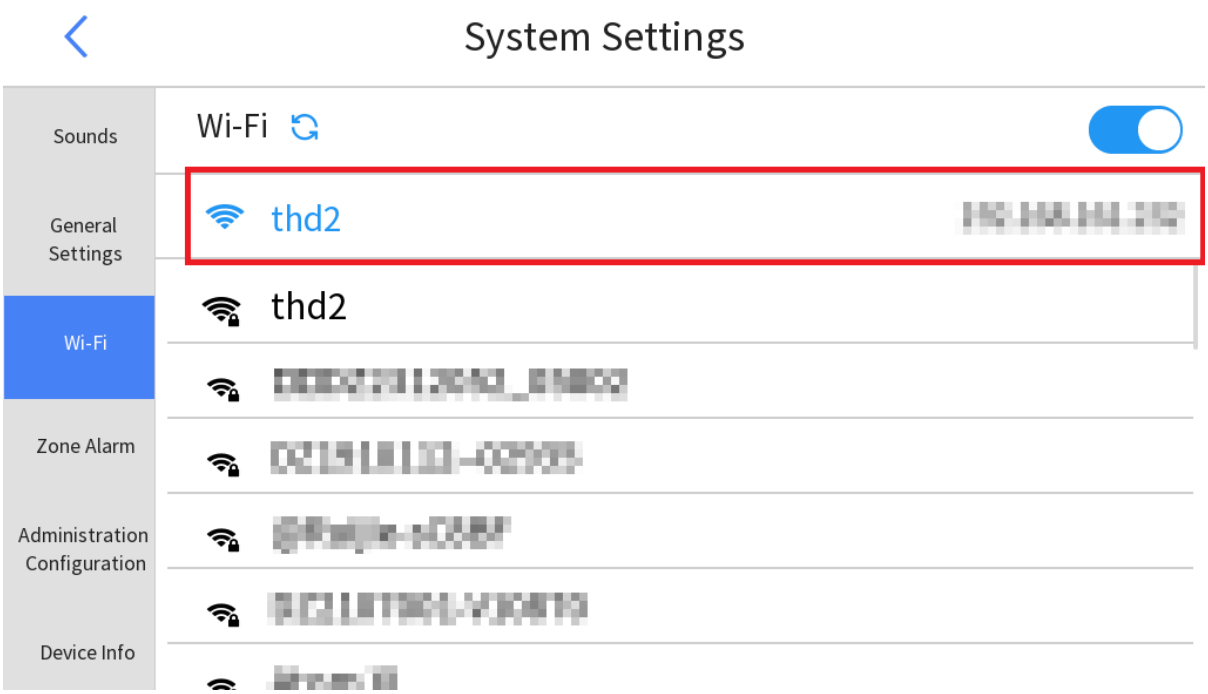
3. Select the Wi-Fi to connect from the list below. Input the Wi-Fi password, and then tap **Confirm**.

Figure 10-16: Connect Wi-Fi



After the Wi-Fi is connected, the Wi-Fi name and corresponding network information are displayed in the top list.

Figure 10-17: Wi-Fi Connection Succeeded



Disconnect Wi-Fi

Tap the Wi-Fi name that has been connected, and then a prompt appears. Tap **Confirm** to delete it.

10.4 Zone Alarm

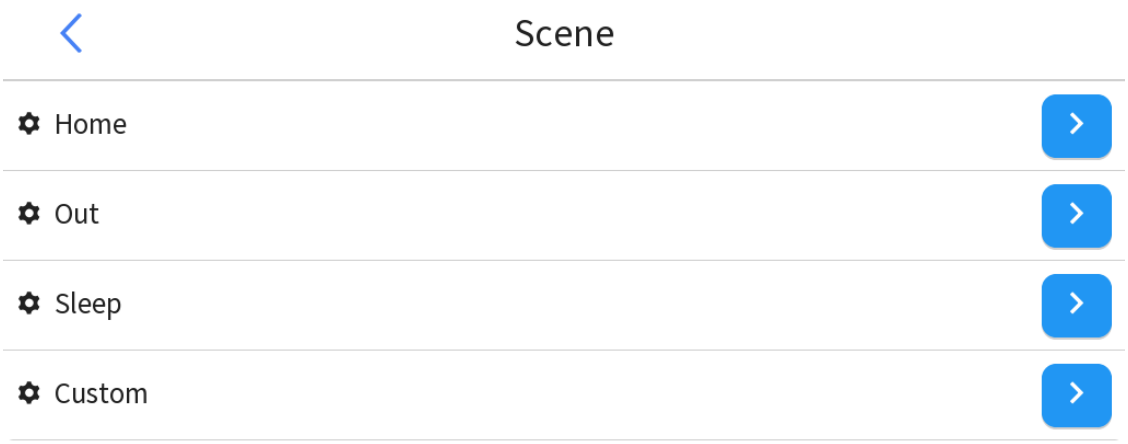
Note: By default, the system will automatically return to the Home Screen if there is no operation and incoming calls within 60 seconds. You can change the time to automatically return to the home screen in Indoor Station.

10.4.1 Arming Scene

Configure various arming scenes.

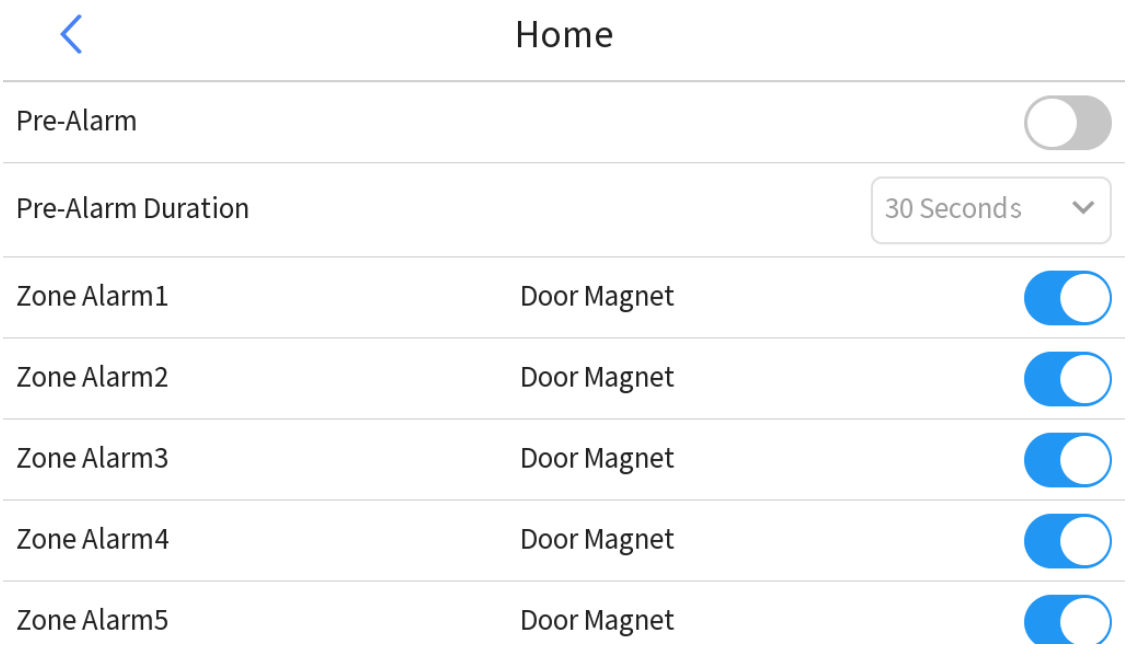
1. Tap  , and go to **Zone Alarm** > **Scene**.

Figure 10-18: Scene



2. Tap to select a scene, and configure the scene parameters. The following takes the home scene configuration as an example.

Figure 10-19: Scene Settings-Home

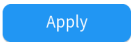


- Pre-Alarm: Tap to enable pre-alarm.

  After **Pre-Alarm** is enabled, when you switch the arming scene on the screen, a sound will be played and the message "**Pre-alarming...**" will be displayed as the set pre-alarm duration.

  - 24-Hour Zone: The alarm is generated immediately as soon as an abnormality is detected.
  - Instant Zone: After the scene is switched, the alarm will be generated until the set pre-alarm duration has elapsed.
  - Delay Zone: After the scene is switched, the alarm will be generated until the set pre-alarm duration and exit delay have elapsed.
- Zone Alarm1-Zone Alarm8: Correspond to the device connected to the indoor station via the ALARM_IN1-ALARM_IN8 cables, respectively.

- If the zone type is **24-Hour Zone**, the zone alarm in the list is grayed. The zone alarm is enabled by default and cannot be disabled.
- The non-grayed zone is enabled by default. Tap  to disable the zone alarm, and the alarm will no longer be generated.

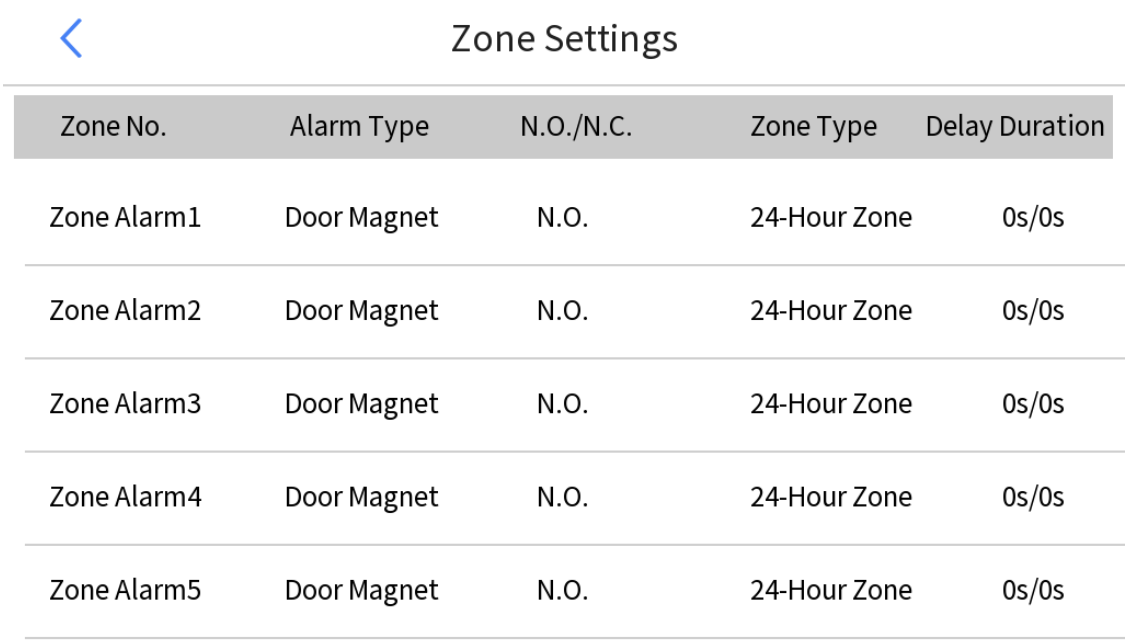
3. Tap  at the bottom of the screen. A success message means the settings are saved.
4. Repeat the steps above to configure the other 3 scenes.

10.4.2 Zone Settings

Configure the parameters for each zone alarm. The zone alarms that have been set are available for each Arming Scene.

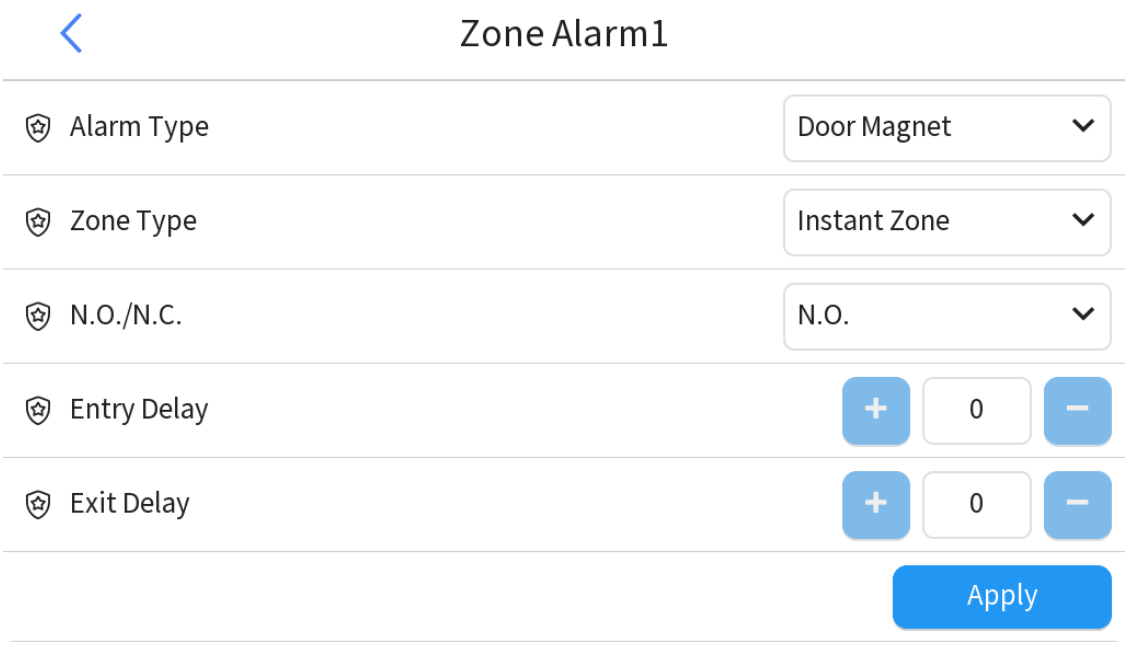
1. Tap  , and go to **Zone Alarm** > **Zone Settings**.

Figure 10-20: Zone Settings



2. Tap to select a zone alarm, and configure related parameters (the following takes the zone alarm 1 as an example).

Figure 10-21: Zone Alarm Settings



- Alarm Type: Choose an alarm type as needed.
- Zone Type:
  - Instant Zone: The alarm will be reported immediately as soon as the alarm is triggered.
  - Delay Zone: **Exit Delay** requires configuration. After the alarm is triggered, the alarm will be reported until the set delay has elapsed, and a pop-up window will appear on the indoor station's screen.
  - 24-Hour Zone: The alarm will be reported when an anomaly is detected even if the zone alarm is disabled.
- N.O./N.C.: Select **N.O.** or **N.C.** based on the type of the external alarm input device.

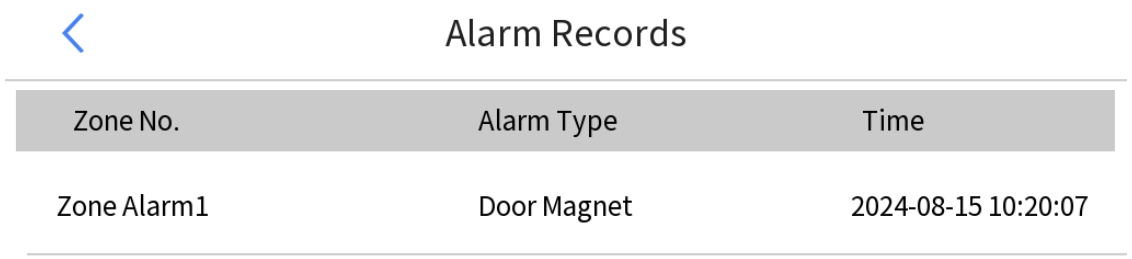
3. Tap Apply. A success message means the settings are saved.
4. Repeat the steps above to configure the other 7 zone alarms.

10.4.3 Alarm Records

Display the alarm records generated by all zones.

Tap , and go to **Zone Alarm** > **Alarm Records**.

Figure 10-22: Alarm Records



Up to 200 alarm records can be stored and these records are arranged in chronological order from newest to oldest. If the alarm records exceed the upper limit, the new record will overwrite the oldest one.

10.4.4 Change Password

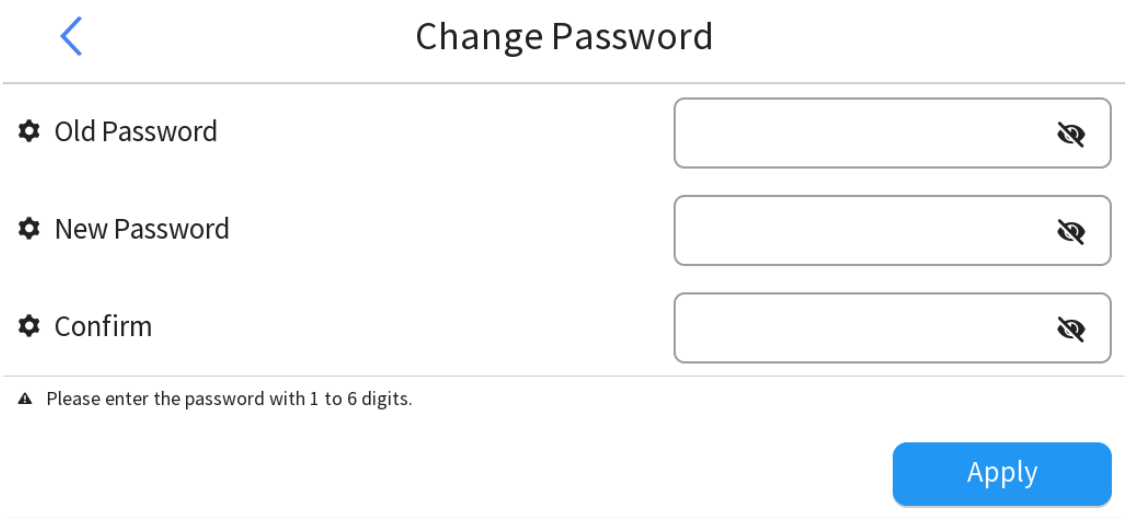
The arming/disarming password is set when you Switch Arming Scene for the first time, and can be changed on this screen.

If you forgot the arming/disarming password, you can reset it in Retrieve Arming/Disarming Password.

The arming/disarming password is used to switch the arming scene, enable disarming, and close the alarm window when a zone alarm occurs.

1. Tap  , and go to **Zone Alarm** > **Change Password**.

   Figure 10-23: Change Password

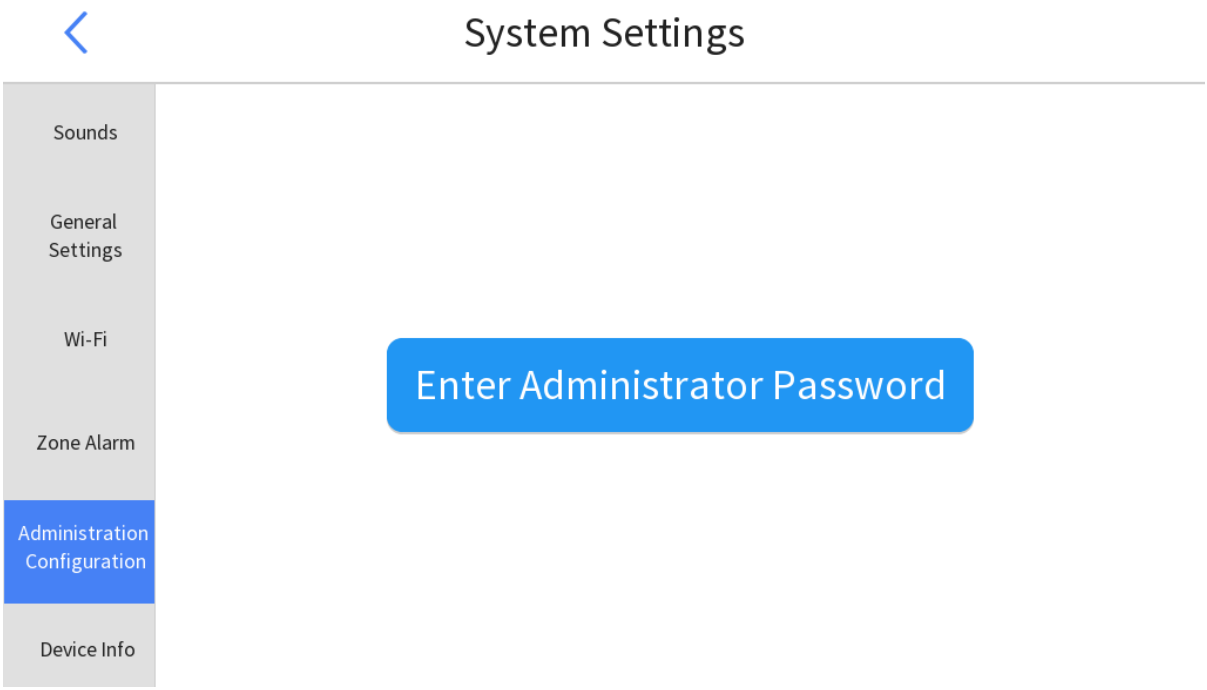
   

2. Enter the old password, new password, and confirm the new password.
3. Tap Apply. A success message means the settings are saved.

10.5 Administration Configuration

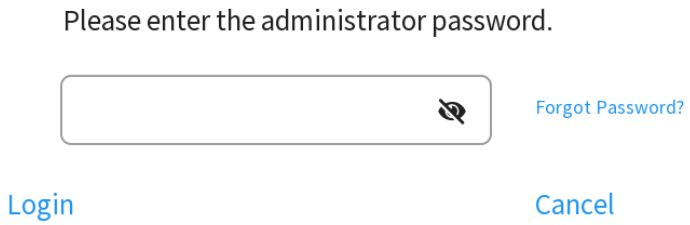
1. Tap  , and enter the **Administration Configuration** screen.

   Figure 10-24: Administration Configuration



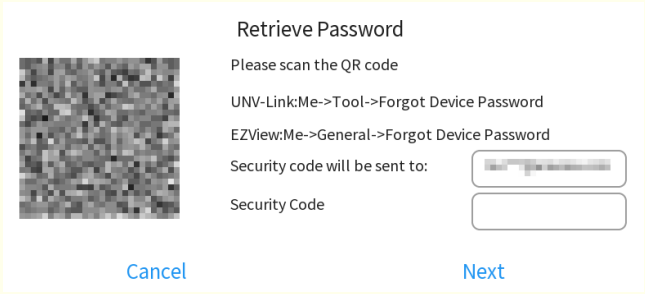
2. Tap **Enter Administrator Password**.

   Figure 10-25: Enter Password



3. Enter the administrator password. It is **123456** by default, which is consistent with the admin password to log in to the Web interface.

   Note: If you forgot your password, you can follow the on-screen instructions to obtain a security code. Enter the security code, and tap **Next** to reset your password.



   The screen will display:

   - Email not Set: No email address is bound to the device currently.
   - Email address: The email address that is bound to the device.

4. Tap **Login**.

10.5.1 Indoor Station

Set the indoor station type, and its network and location parameters.

Tap , and go to **Administration Configuration** > **Indoor Station**.

Figure 10-26: Indoor Station-Main Station

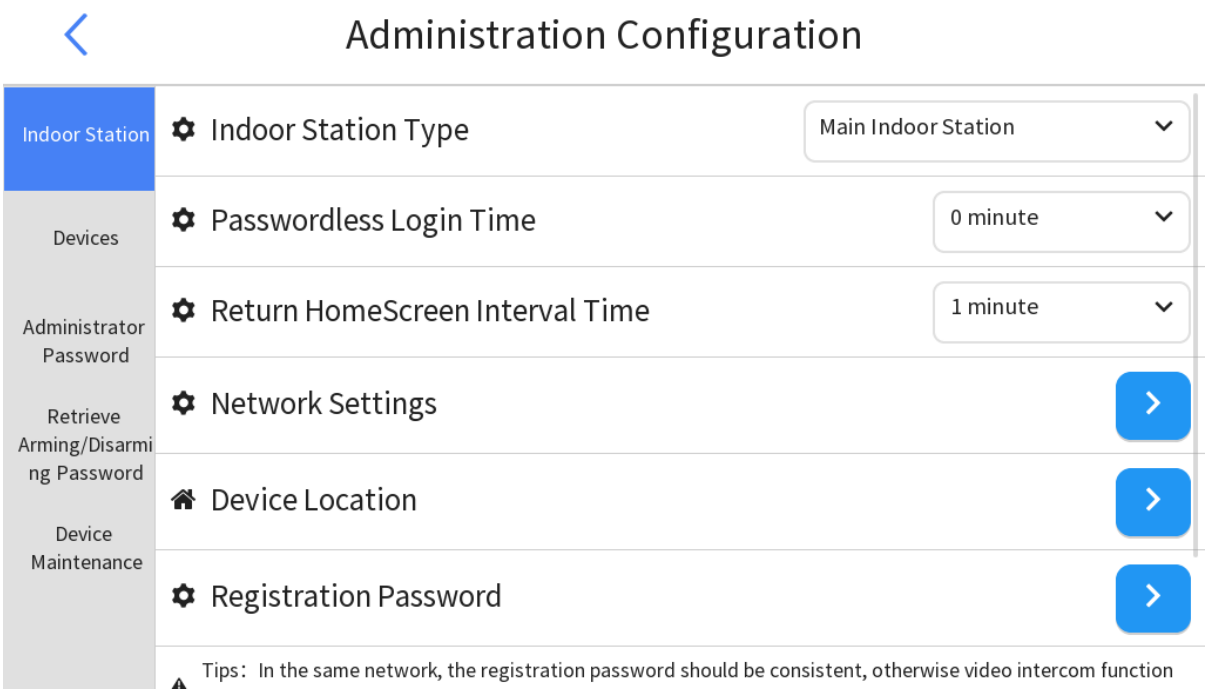
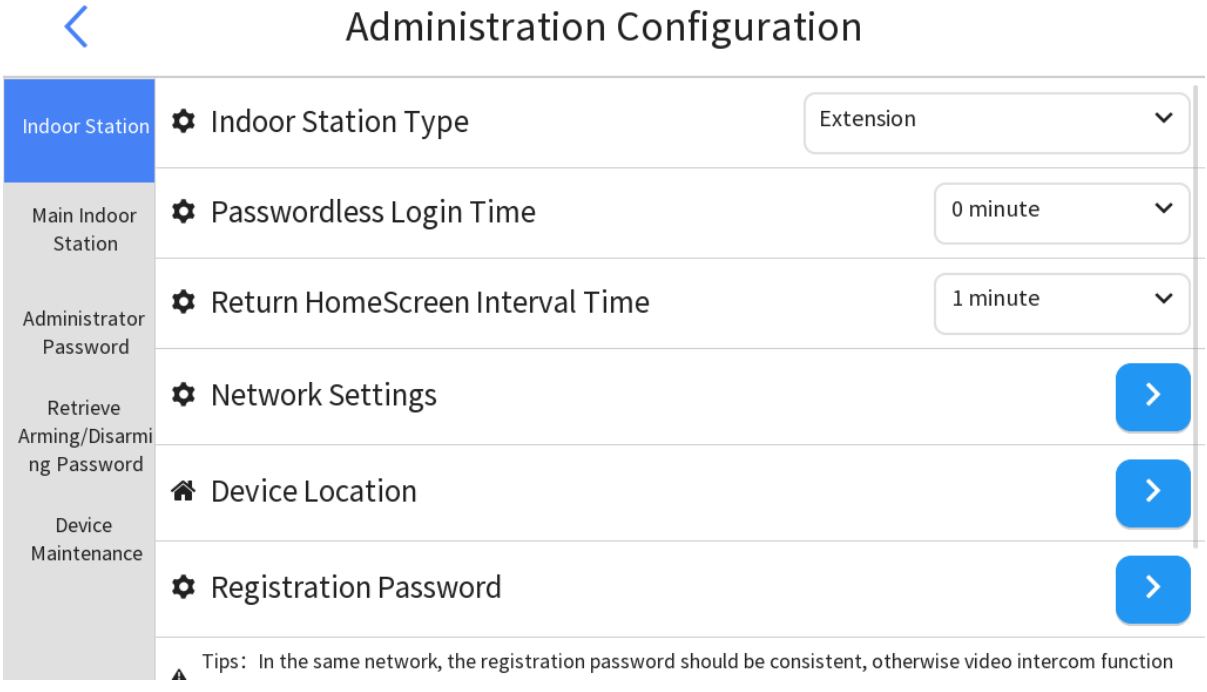


Figure 10-27: Indoor Station-Extension



- Indoor Station Type: It is **Main Indoor Station** by default. Changing the indoor station type will return to the home screen and restore some factory settings. It is recommended to unbind all devices from the current device before changing the type, otherwise the existing binding relationships will be retained.
- Passwordless Login Time: The duration to log in to the Administration Configuration screen without the password. Default: 0 minute.

Note:

- If you change the parameter during the passwordless login time, the system will reclock from the time that the change is completed.
- If you restart the device during the passwordless login time, the system will reclock from the time that the Administration Configuration screen is re-logged in after restart.

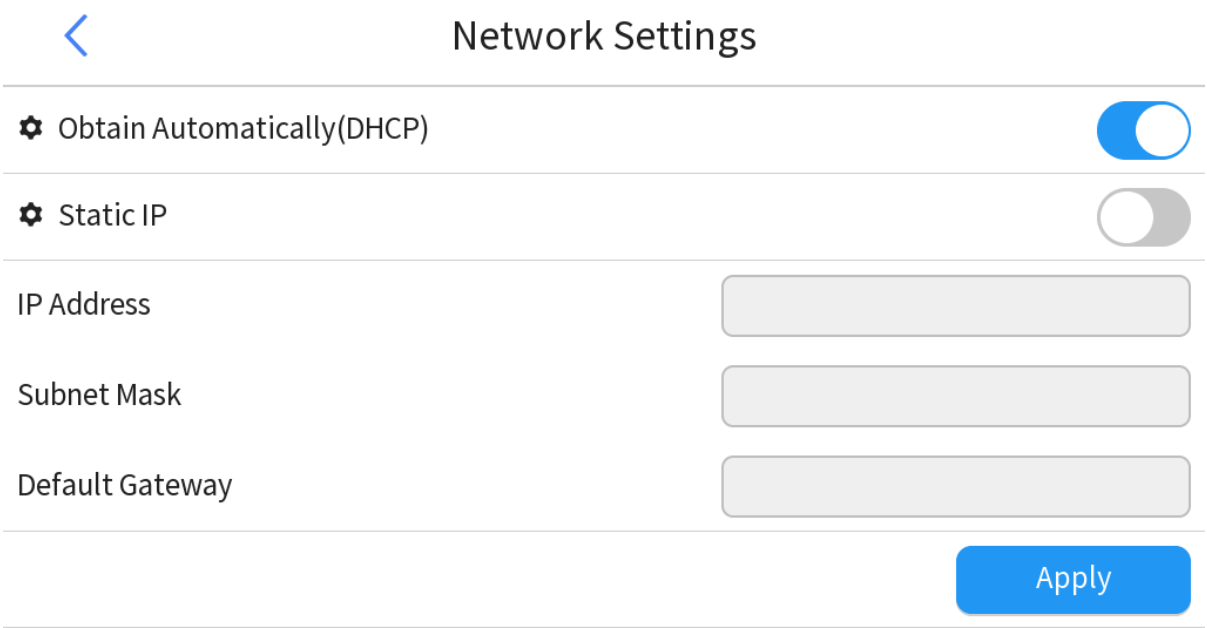
- Return HomeScreen Interval Time: The system will automatically return to the Home Screen if there is no operation or incoming calls within the set time. Default: 1 minute.

10.5.1.1 Network Settings

For more network information, see Wired Network.

1. Tap  , and go to **Administration Configuration** > **Indoor Station** > **Network Settings**.

Figure 10-28: Network Settings



2. Set network parameters. You can use DHCP to assign a dynamic IP address or set a static IP address.
   - Obtain Automatically (DHCP): If a DHCP (Dynamic Host Configuration Protocol) server is configured on the network, it will assign the indoor station an IP address automatically.
   - Static IP: Set a fixed IP address manually for long term use. Enable **Static IP**, and then set the IP address, subnet mask, and default gateway.
3. Tap Apply. A success message means the settings are saved.

10.5.1.2 Device Location

1. Tap  , and go to **Administration Configuration** > **Indoor Station** > **Device Location**.

Figure 10-29: Device Location-Main Station

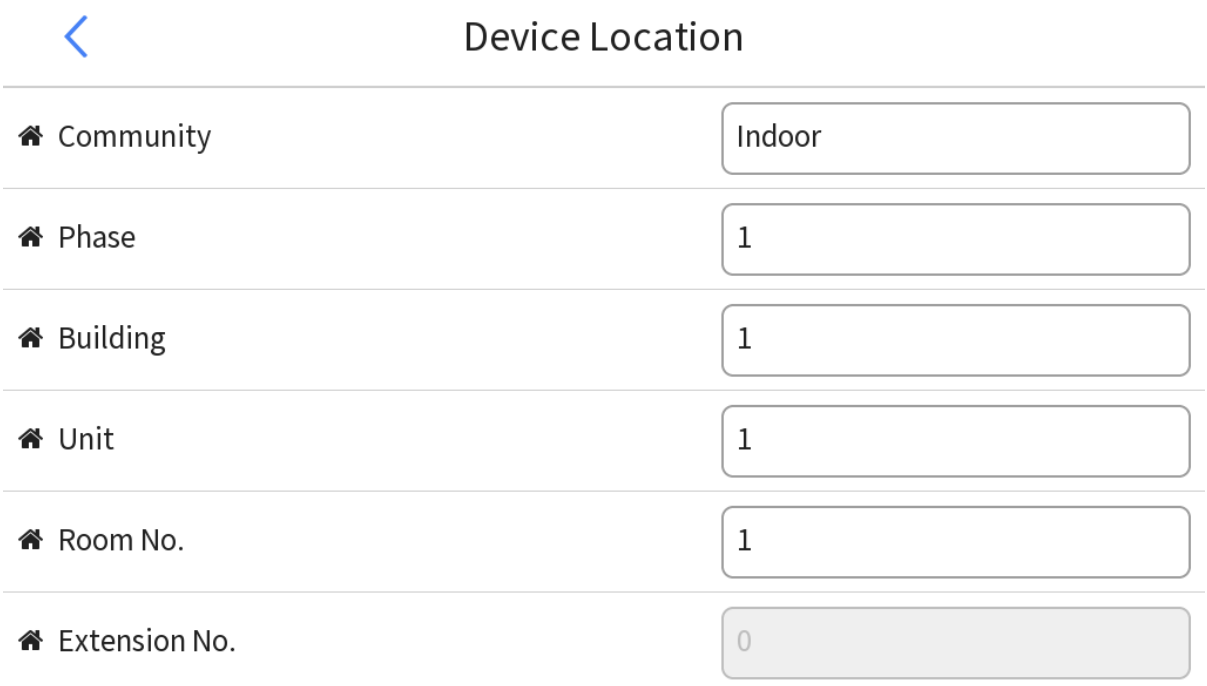
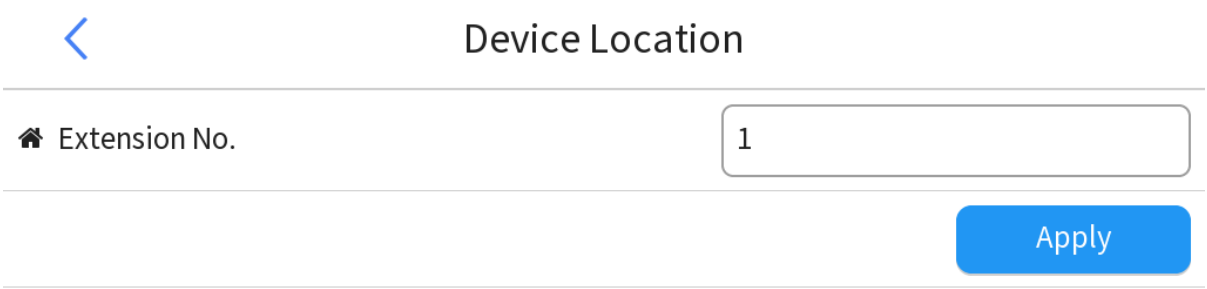


Figure 10-30: Device Location-Extension



2. Set device location parameters, including community, phase, building, unit, room number, and extension number.

Note:

- Main station: Phase, building, unit, and extension number range: [0-99]; Room range: [0-9999].
- Extension: Extension number range: [1-19].
- For the main indoor station, the extension number is 0 by default and cannot be modified. For the extension station, only the extension number can be set and must be unique. The extension location is consistent with the associated main indoor station except the extension number.

3. Tap Apply at the bottom of the screen. A success message means the settings are saved.

10.5.1.3 Registration Password

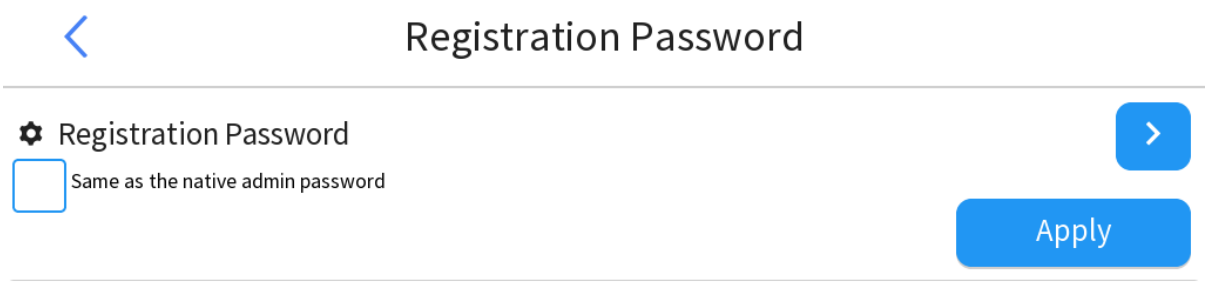
The registration password of the related device must be consistent with that of the indoor station in the same network segment, so the live view and video intercom functions can be used for networking security.

Note:

- You can set the registration password of the related device in Related Devices or Device Discovery.
- For the main indoor station, only the registration password of the single-button door station, and indoor station (including main station and extension) can be configured.
- For the indoor station extension, only the wizard page allows to set the registration password of the searched indoor station (including main station and extension).
- You can set the registration password on the Web interface. See Set Registration Password for details.

1. Tap , and go to **Administration Configuration** > **Indoor Station** > **Registration Password**.

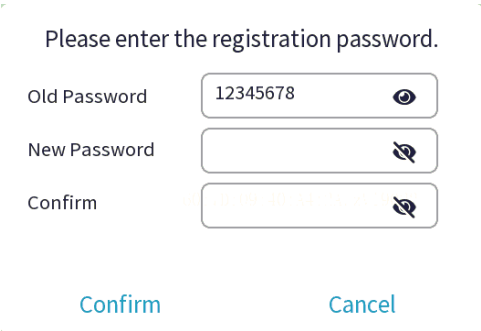
Figure 10-31: Registration Password



2. Set the registration password. Several methods are available:

- Tap Apply: The password is **12345678** by default.
- Tap **Registration Password** (only the old password of this device will be displayed), set the registration password (9 to 32 characters including digits, letters, and special characters), and enter the password again to confirm, and tap **Confirm**. Tap Apply, and the registration password is set successfully.

Figure 10-32: Enter Registration Password



- Select **Same as the native admin password**, tap Apply, and then the registration password will be the same as the administrator password of the indoor station.

10.5.2 Devices

The devices screen includes related devices, indoor stations, and device discovery.

Note: This function is only available to the main indoor station. For extension settings, see Main Indoor Station.

10.5.2.1 Related Devices

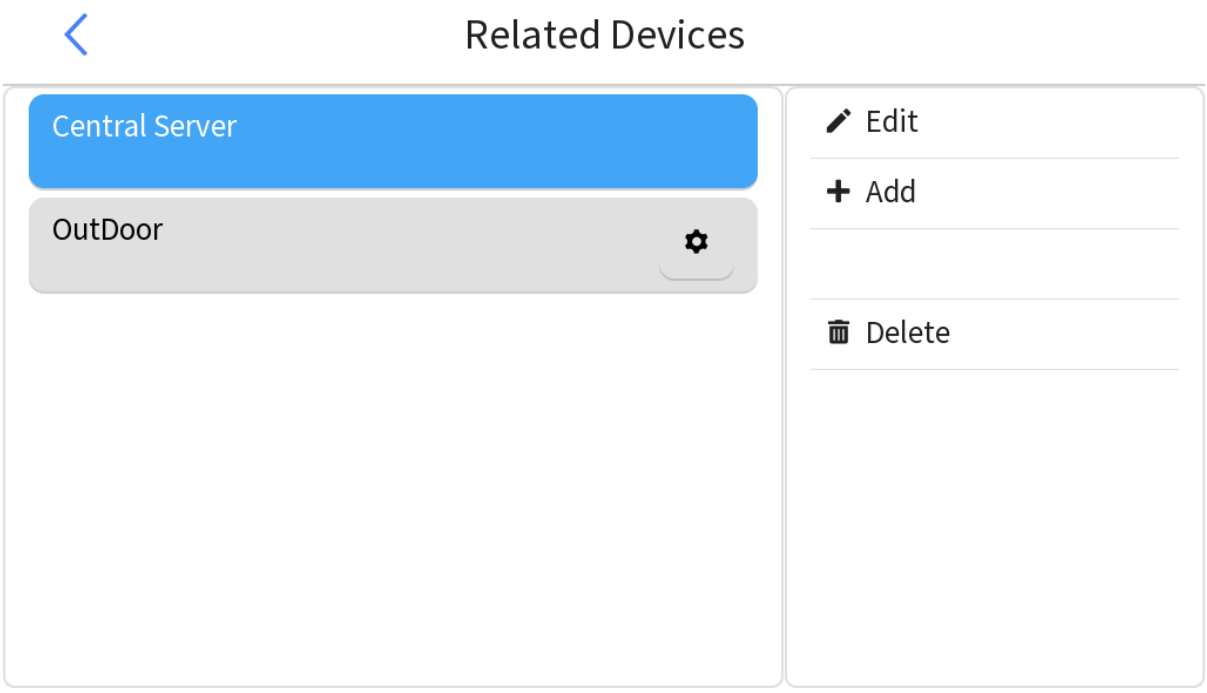
Set an intelligent recognition terminal/door station/network camera/NVR so the indoor station can intercom with it, control it remotely, and open the door remotely.

Up to 20 door stations (intelligent recognition terminal/door station/network camera/NVR) can be bound to the indoor station.

The Device Discovery screen can automatically search for available devices.

Tap , and go to **Administration Configuration** > **Devices** > **Related Devices**.

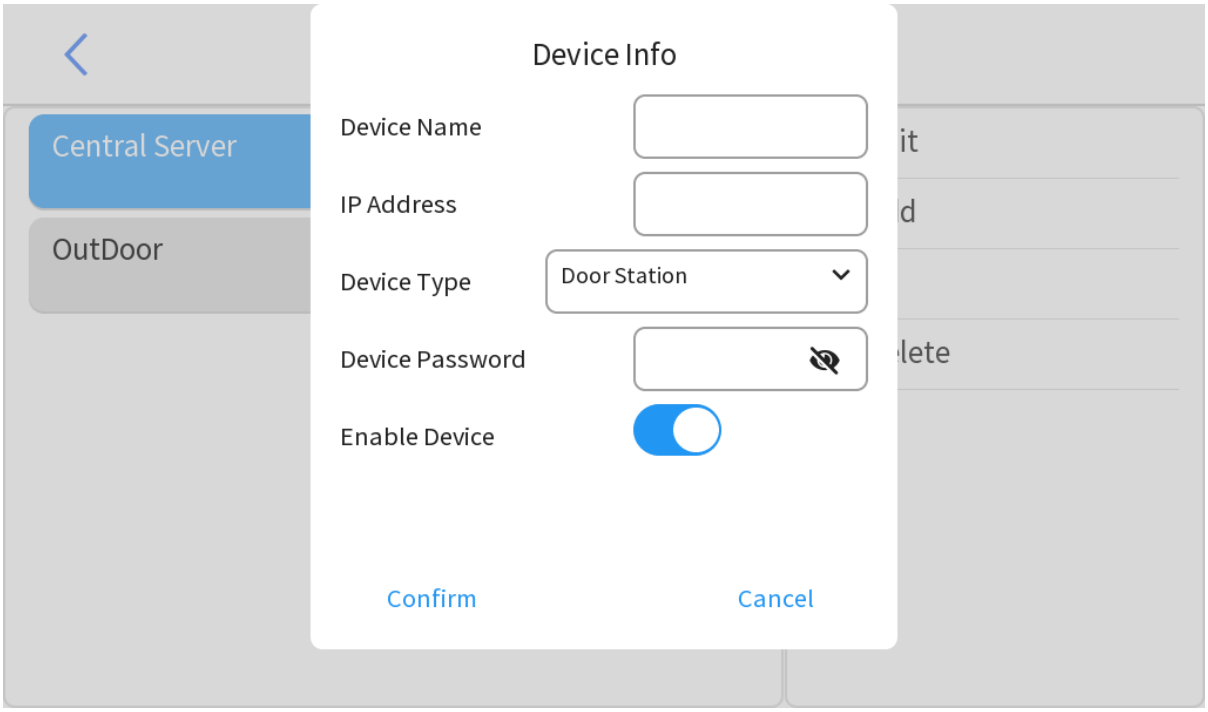
Figure 10-33: Related Devices



Add

1. Tap + Add . The **Device Info** screen appears.

Figure 10-34: Add



2. Input device information. Some parameters are described below.
   - IP Address: Required. The IP address of the device.

     Note:
     - The indoor station's IP must be on the same IP segment as the door station's IP to be bound.
     - To use a wireless network, the device to be bound should connect to a same Wi-Fi as the indoor station.
   - Device Type: Select **Door Station** for the intelligent recognition terminal and door station; select **Camera** for the network camera; select **NVR** for the network video recorder.
   - Device Password: The administrator password of the related device.
   - Enable Device: You need to enable the device in order to use the live view, call, and answer functions. By default, this function is enabled.
   - Port (required only for **Device Type** as **Camera**): The port number of the network camera. Default: 80.

     Note: To view the live video, please enter the port number of the network camera.
3. Tap **Confirm** to save the settings.

Edit

1. Tap the device name you want to edit.
2. Tap Edit . The **Device Info** screen appears.
3. Edit the device information as needed.
4. Tap **Confirm** to save the settings.

Delete

After the related devices are deleted, the corresponding live video cannot be played, but the deleted devices can still call the indoor station.

1. Tap the device name you want to delete.
2. Tap Delete .
3. Tap **Confirm** to save the settings.

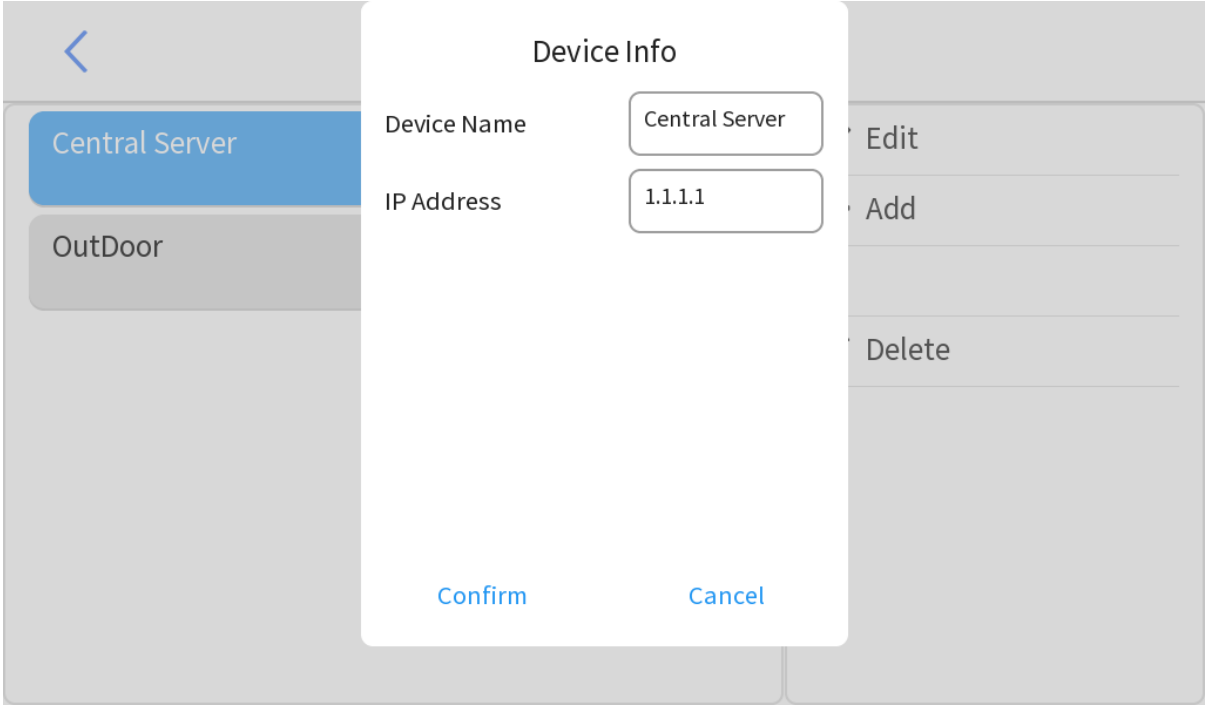
Configure Central Server

The indoor station can be related to UMS, which can serve as a management center.

Only one central server is allowed, and it cannot be deleted.

1. Tap **Central Server**, tap **Edit**, and then the **Device Info** screen appears.

Figure 10-35: Device Info



2. The device name is **Central Server** by default, and cannot be changed. Please enter the IP address of UMS.
3. Tap **Confirm** to save the settings.

Configure Related Devices

Configure the related device parameters, including registration password, device location, etc.

1. Tap beside the device name, enter the administrator password, and then tap **Confirm**.
2. Configure the parameters including registration password, device location, etc.

Figure 10-36: Related Device-Door Station

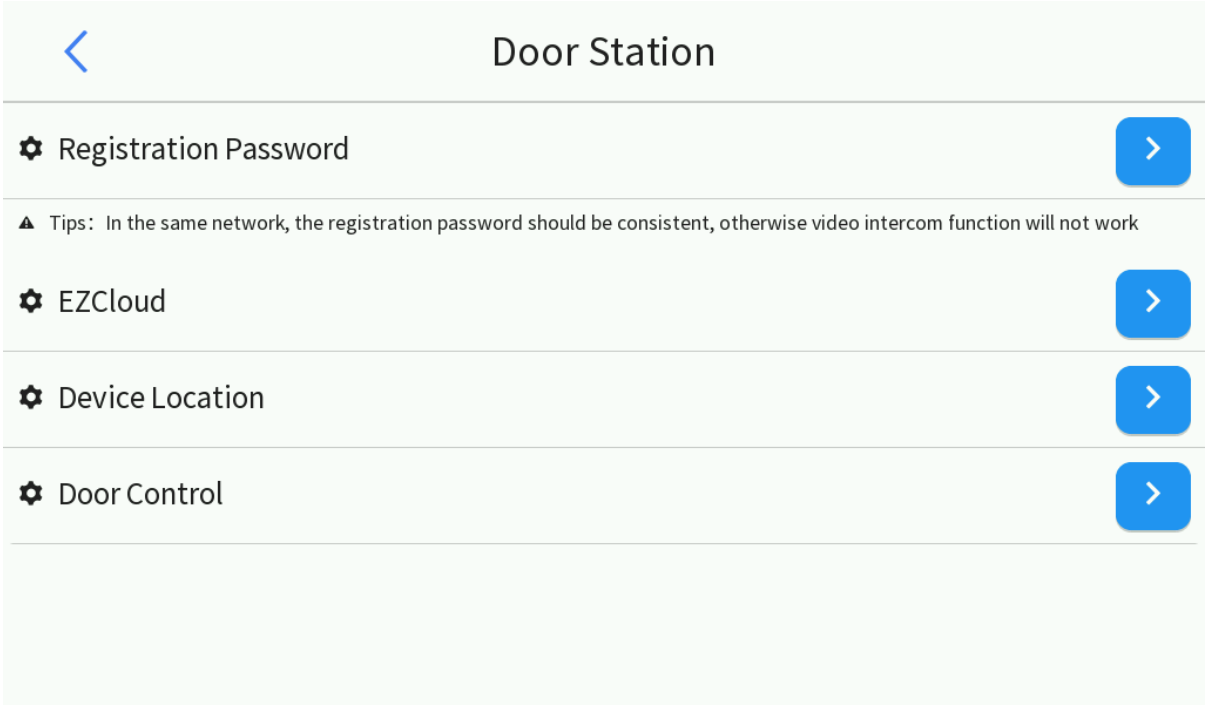


Figure 10-37: Related Device-Indoor Station

- Registration Password: To set the registration password or view the registration password of the device, see Registration Password for details.
- EZCloud: Tap **EZCloud**, and then the QR code appears. You can scan the QR code with the UNV-Link app and relate the device to it.

  Note: To view the QR code of the connected intelligent recognition terminal/door station, see View Device QR Code.
- Device Location
  - To add the device to the indoor station, make sure the location information is the same except the extension number (see Device Location for indoor station location).
  - To add the device to the door station, set **Room No.** to 1 and make sure the extension number is unique.

When binding a new extension or door station to the indoor station, the extension number should be configured according to the following strategies.

Note: Deleting one of the extensions or door stations will cause a gap in the sequence of extension numbers.

- When binding the extension:

  (1) The system first automatically checks for duplicate extension numbers of all bound extensions.

  If there are duplicate numbers, the system will change the previous duplicate number to the first available vacant number or the subsequent numberafter the last number used.

  (2) The system then automatically compares the extension numbers of all extensions to be bound with those of all bound extensions, and checks for duplicate numbers.

  If there are duplicate numbers, the extension number of the newly-added extension will be changed to the first available vacant number or the subsequent number after the last number used.

- When binding the door station:

  (1) The system first automatically checks for duplicate extension numbers of all bound door stations.

  The system first automatically compares the second number with the first number, then compares the third number with the previous two numbers, and so on. If there are duplicate numbers, the second duplicate number will be changed to the first available vacant number or the subsequent number after the last number used.

  (2) The system then automatically compares the extension numbers of all door stations to be bound with those of all bound door stations, and checks for duplicate numbers. The extension number change strategy is the same as the above step.

- Door Control (only for door station): Enable/disable door control for the related devices. Only **Door 1** control is enabled by default. You can enable **Door 2** control as needed. The indoor station can open the door remotely when it receives a call from the door station.

Note: See I/O Settings for indoor station configuration.

Figure 10-38: Door Control

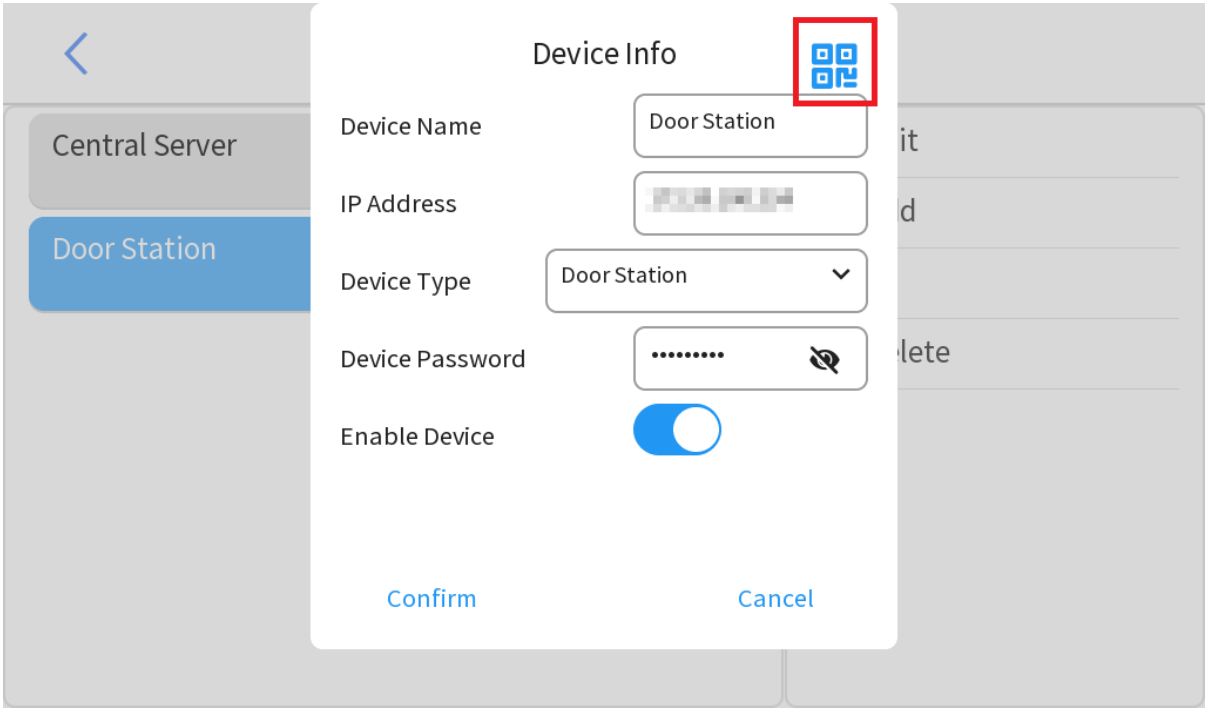
View Device QR Code

Note:

- This section describes how to view the QR code of a connected intelligent recognition terminal/door station.
- To view the QR code of this device, see Device Maintenance.

1. Tap the device name that you want to view the QR code.
2. Tap **Edit**, then the device information appears. Tap the QR code icon right to the screen title, and then the code is displayed.

Figure 10-39: View QR Code



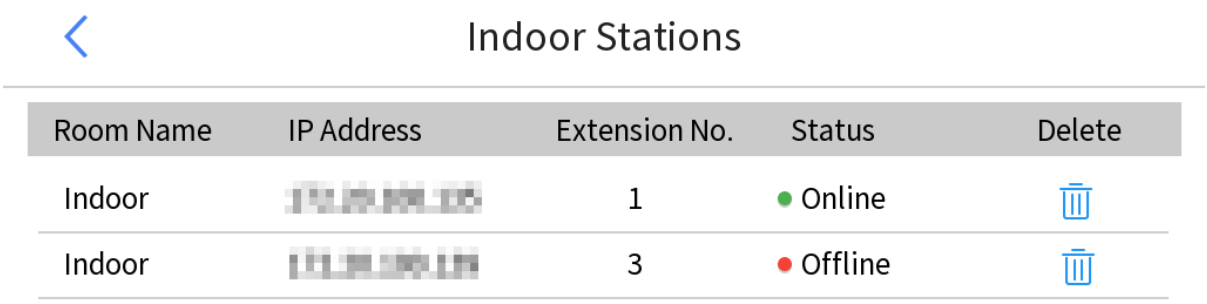
3. Scan the QR code with the UNV-Link app and relate the device to it.

10.5.2.2 Indoor Stations

Show all extensions bound to the main indoor station.

Tap , and go to **Administration Configuration** > **Devices** > **Indoor Stations**.

Figure 10-40: Indoor Stations



Choose the extension you want to delete, tap , and confirm the deletion.

10.5.2.3 Device Discovery

Add the main indoor station to the door station or indoor station extension for video intercom.

Note:

- This function is available to the main indoor station.
- You can add door stations manually in Related Devices.

Tap , and go to **Administration Configuration** > **Devices** > **Device Discovery**.

The extension stations and door stations will be searched in the same or different network segment(s), and a prompt **Searching...** appears on the screen. You can not refresh the list or add new devices during the search.

Tap can exit the current screen.

The discovered devices will be displayed in the list below. You can tap in the upper-right corner to search again.

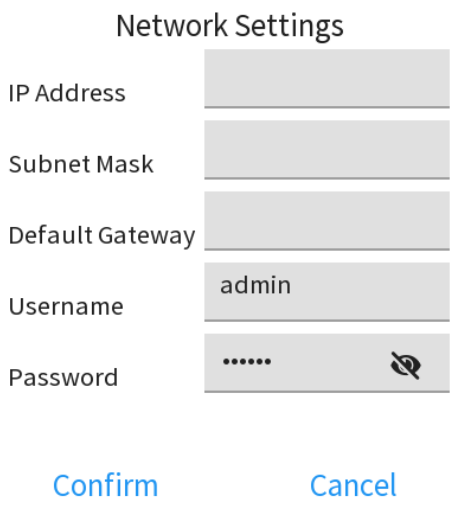
Figure 10-41: Device Discovery-Search Completed

Bind Device

Note: When you add NVR to the indoor station, up to 2 NVRs can be added and each NVR allows up to 16 channels. If the number of channels added to the NVR exceeds the upper limit, only the first 16 channels are displayed.

1. Select the device you want to add.
2. Set the network parameters.
   - If the device is connected to the network via the network cable, an icon appears after the IP address. Tap the IP address or , set the wired network information, and then enter the username and password. Make sure the IP address of the device is on the same IP segment as that of the indoor station (see Network Settings for details).

     Figure 10-42: Network Settings, Username, and Password



   - If the device is connected to a Wi-Fi network, an icon appears before the IP address. Please make sure the device connect to the same Wi-Fi as the indoor station.
3. Configure the parameters of the device to be related. See Configure Related Devices for details.

4. Tap  to return to the **Device Discovery** screen. Select the configured device(s), tap  , enter the administration password of the related device(s), and then tap **Confirm**. You can view the added door stations in Related Devices, and added extensions in Indoor Stations.

   Note: If the indoor station restarts during the operation, the device will fail to be added and you need to add again.

After the device is related successfully, the status shows  .

Unbind Device

1. Select the device(s) you want to cancel the relation.
2. Tap in the upper-right corner, and a pop-up window appears.
3. Tap **Confirm**.

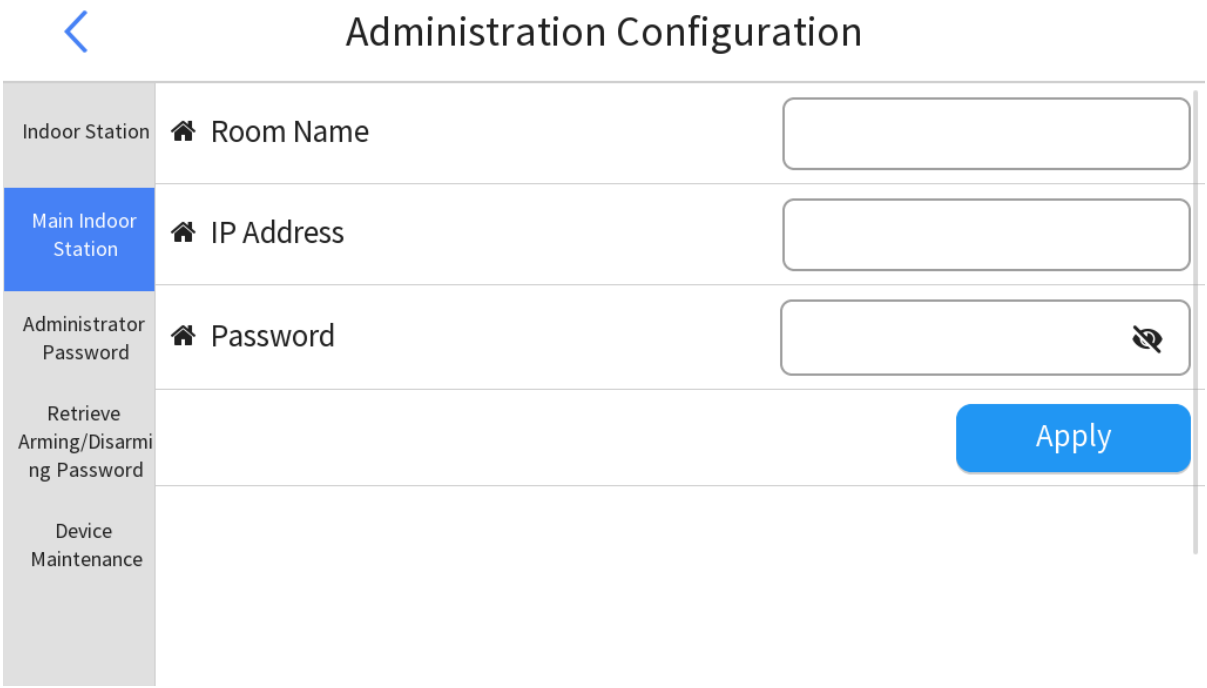
10.5.3 Main Indoor Station

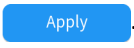
Set the main indoor station information on the extension, so as to add the extension to the main station for video intercom.

Note: This function is only available to the extension station. For main indoor station settings, see Devices.

1. Tap  , and go to **Administration Configuration** > **Main Indoor Station**.

   Figure 10-43: Main Indoor Station



2. Enter the room name, IP address, and password of the main station to be bound.
3. Tap  . A success message means the settings are saved.

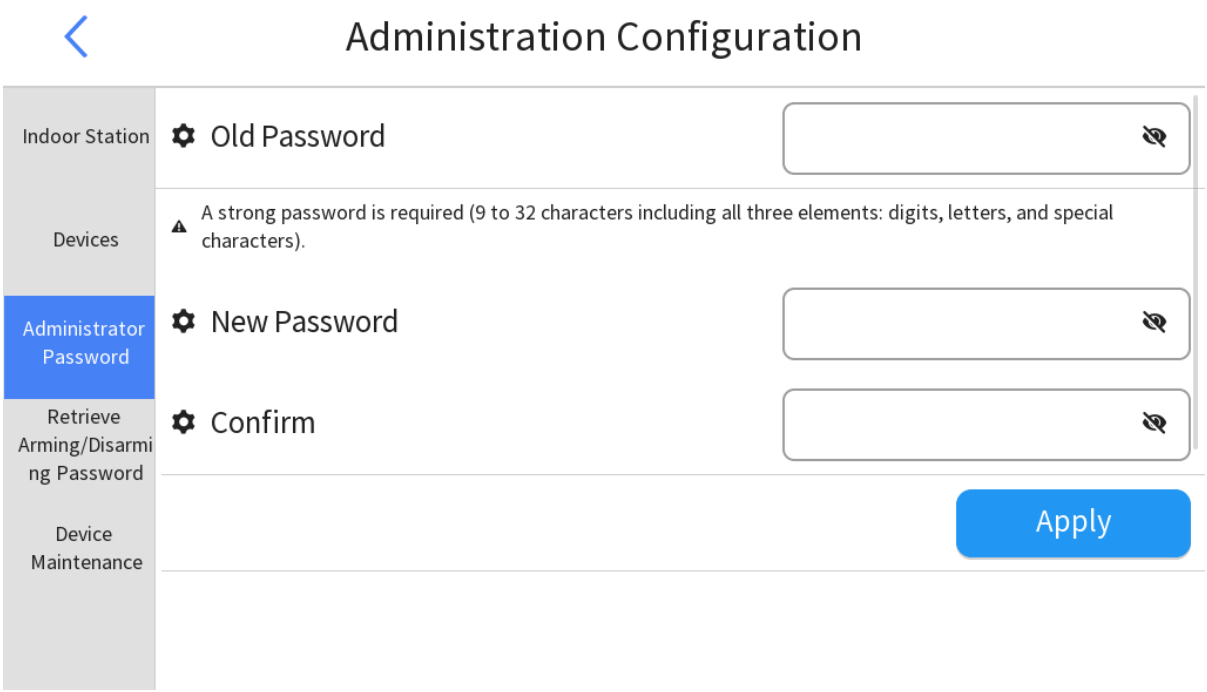
10.5.4 Administrator Password

The administrator password is used to log in to the **Administration Configuration** screen and Web interface.

To change the password on the Web interface, see User for details.

1. Tap  , and go to **Administration Configuration** > **Administrator Password**.

Figure 10-44: Administrator Password



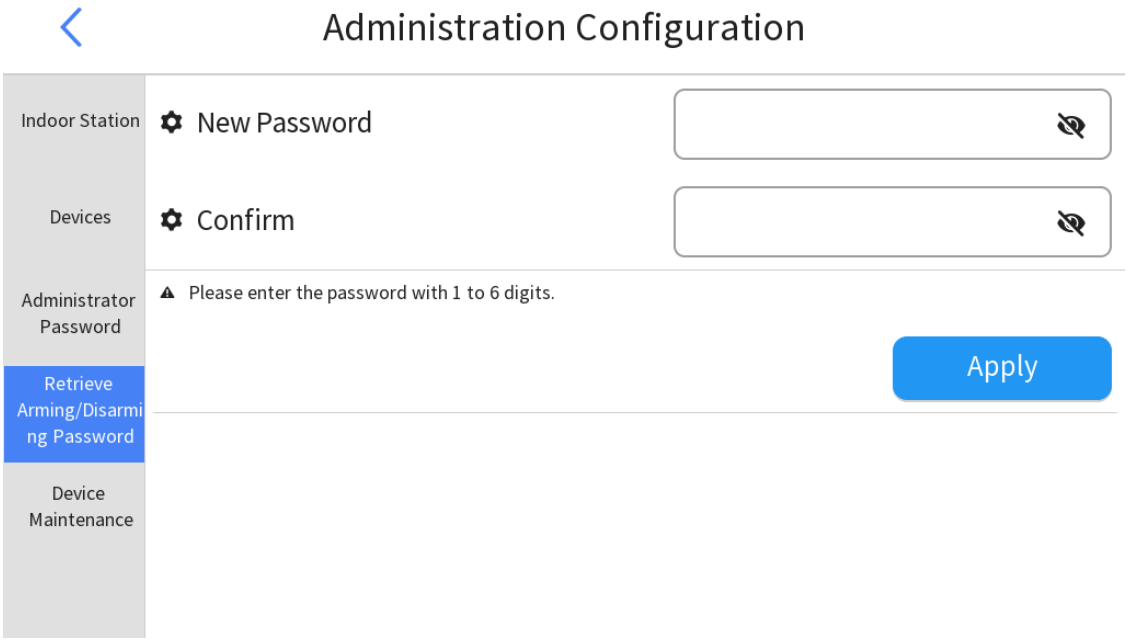
2. Enter the old password, new password, and confirm the password as required.
3. Tap Apply. A success message means the settings are saved.

10.5.5 Retrieve Arming/Disarming Password

You can reset the arming/disarming password on this screen if you forgot it.

1. Tap , and go to **Administration Configuration** > **Retrieve Arming/Disarming Password**.

Figure 10-45: Retrieve Arming/Disarming Password



2. Enter the new password, and confirm the password again.
3. Tap Apply. A success message means the settings are saved. Please keep the password secure.

10.5.6 Device Maintenance

Restart the indoor station and restore factory defaults.

For system maintenance on the Web interface, see Maintenance.

Tap , and go to **Administration Configuration** > **Device Maintenance**.

Figure 10-46: Device Maintenance-Main Station

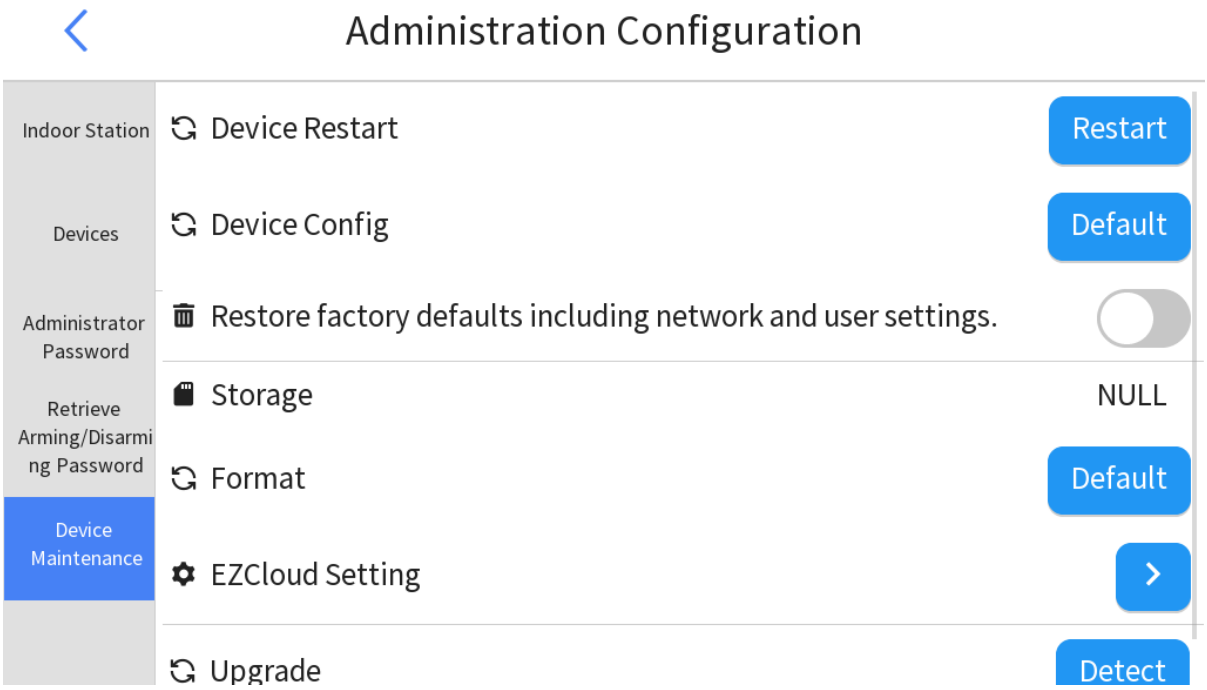
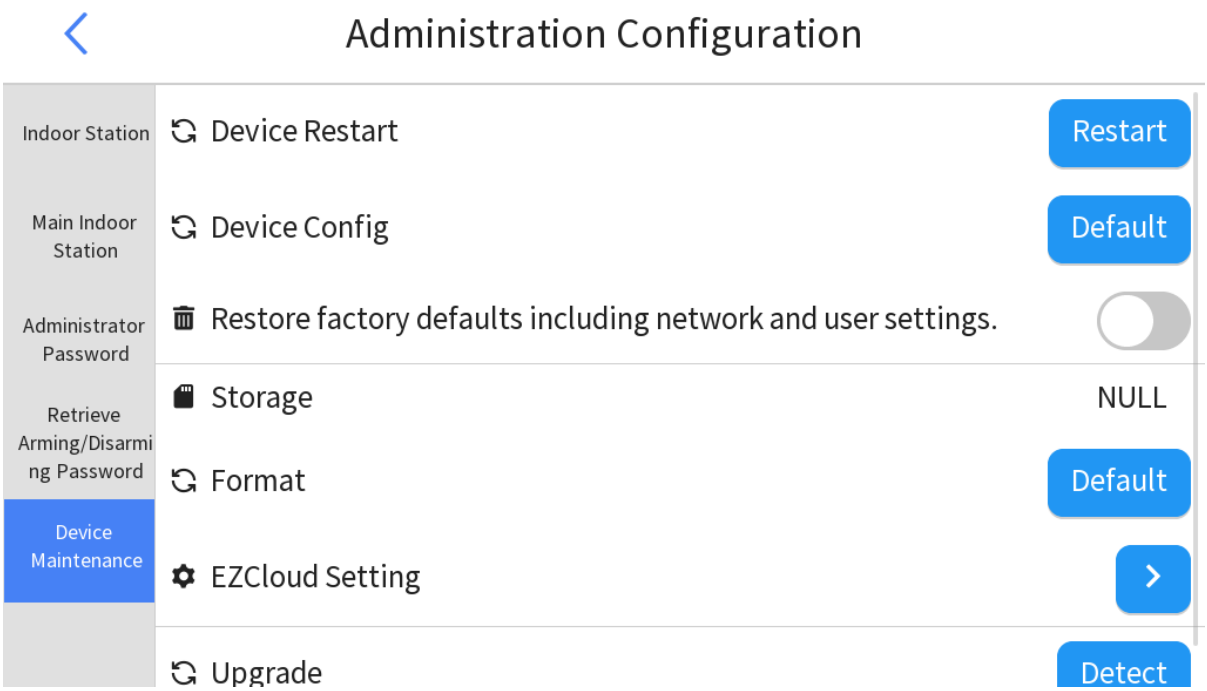


Figure 10-47: Device Maintenance-Extension



- Device Restart: Restart the indoor station. Tap Restart, and then tap **Confirm** in the pop-up window to restart the indoor station.
- Device Config: All the parameters except network and user settings will be restored to default settings.

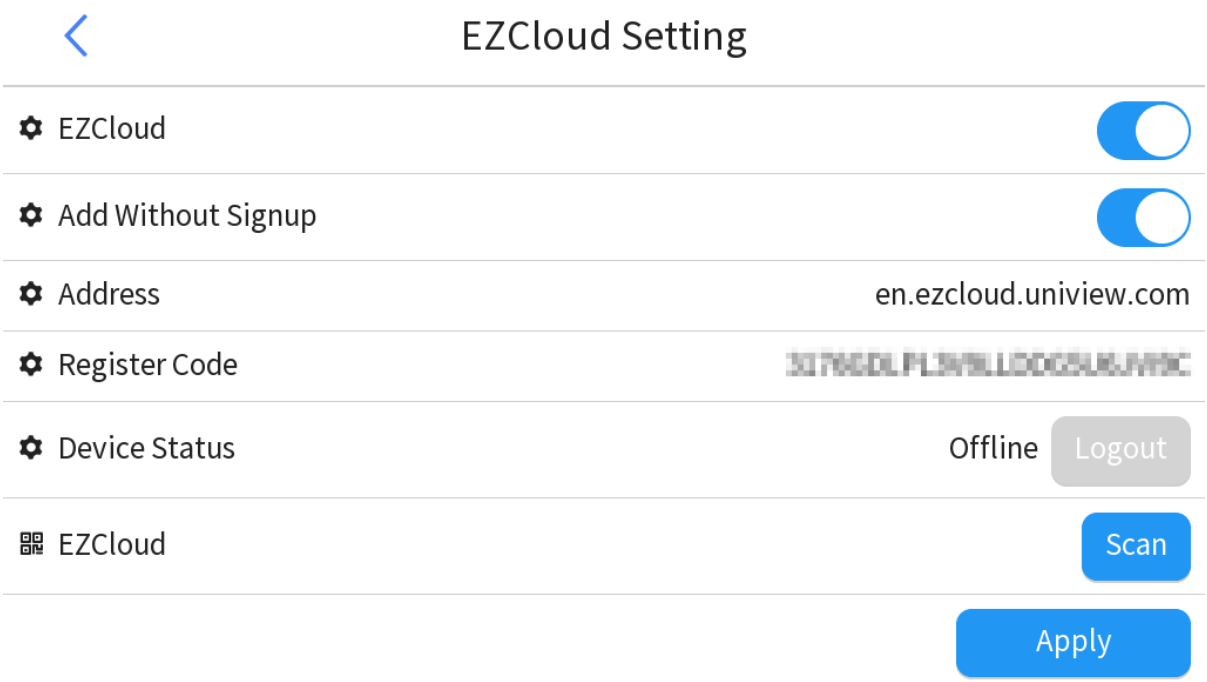
  Note: To restore all settings to factory defaults, enable **Restore factory defaults including network and user settings**.

- Storage: If a Micro SD card is inserted into the device, the screen will display the memory card capacity. To set storage parameters, please see Storage.

  Note: Do not hot plug the Micro SD card, otherwise the device needs to restart according to on-screen prompts.

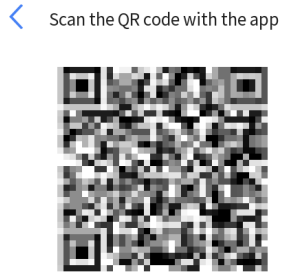
- Format: After a Micro SD card is inserted into the device, tap **Default** to format it.
- EZCloud Setting: Set EZCloud parameters and relate the device to EZCloud.

  Figure 10-48: EZCloud Setting



1. Enable **EZCloud**.
2. (Optional) Enable **Add Without Signup**, and then you can log in to the app and relate the device to it without registering the account.
3. Tap Apply. A success message means the settings are saved.
4. Tap Scan, scan the QR code with the UNV-Link app, and follow the on-screen instructions to relate the device to the app.

   Figure 10-49: QR Code



   Note: To view the QR code of the connected intelligent recognition terminal/door station, see View Device QR Code.

   If the device status is online, it indicates that the device is related successfully. To delete the device from cloud, tap Logout.

- Upgrade: Upgrade the software version of the indoor station.

  Tap Detect, and the system will automatically check for a new version.

- If there is no new version, a message appears on the screen "**No version detected for upgrade.**" Tap **Confirm** to close the prompt.
- If a new version is available, a message appears on the screen "**A new version detected, start upgrade?**" Tap **Confirm** to upgrade the version and the device will automatically restart after the upgrade is complete.

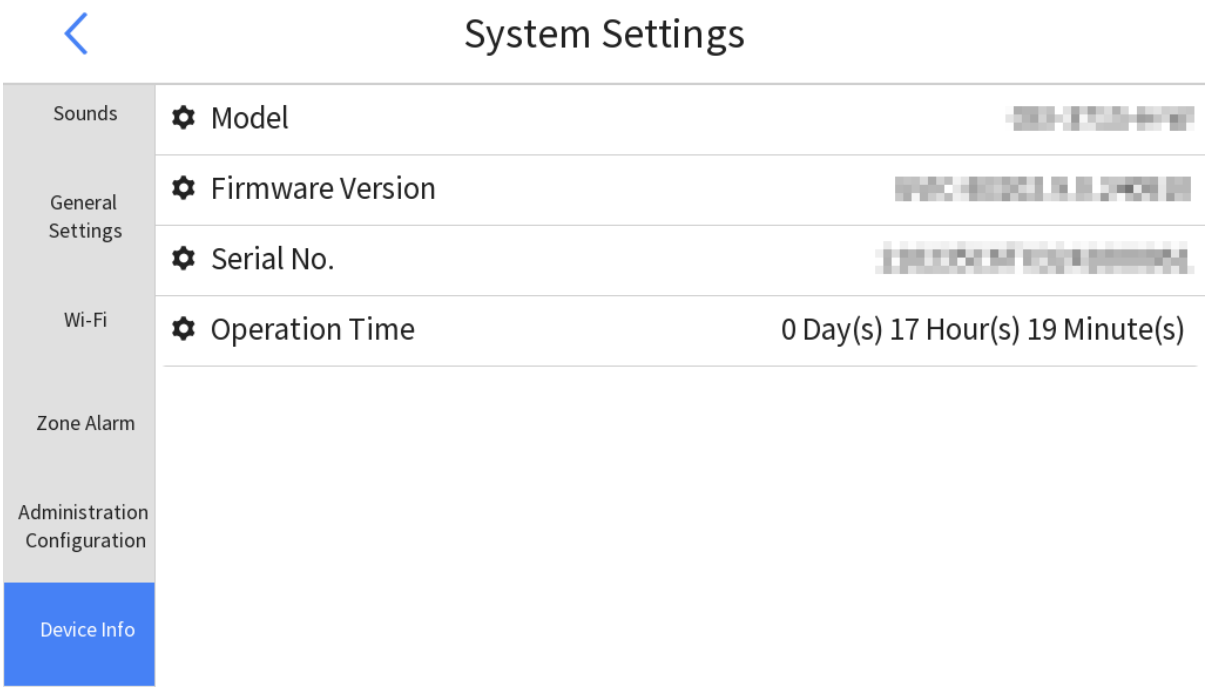
  Note: Do not disconnect power during the upgrade.

10.6 Device Info

Show the basic device information.

Tap , and tap **Device Info**.

Figure 10-50: Device Info



11 Web Operations

This section mainly introduces how to use the indoor station and door station on the Web interface (hereinafter collectively referred to as "device").

Note: This manual is suitable for various device models. The interface and function operations may vary with device models.

11.1 Login

Check Before Login

- The device runs normally.
- The client computer (hereinafter referred to as "client") is on the same network segment and the device is connected to the network.

Log in to Web

1. Open a browser, enter the device's IP address (default: **192.168.1.13**) in the address bar, and press **Enter**.

Figure 11-1: Indoor Station

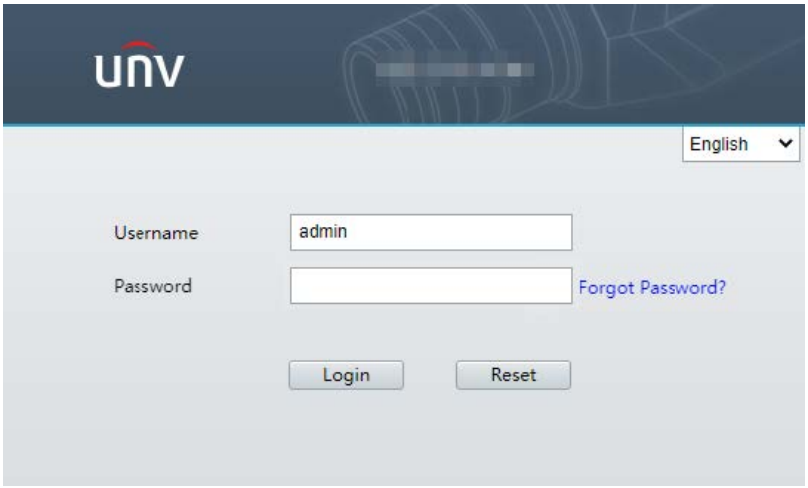
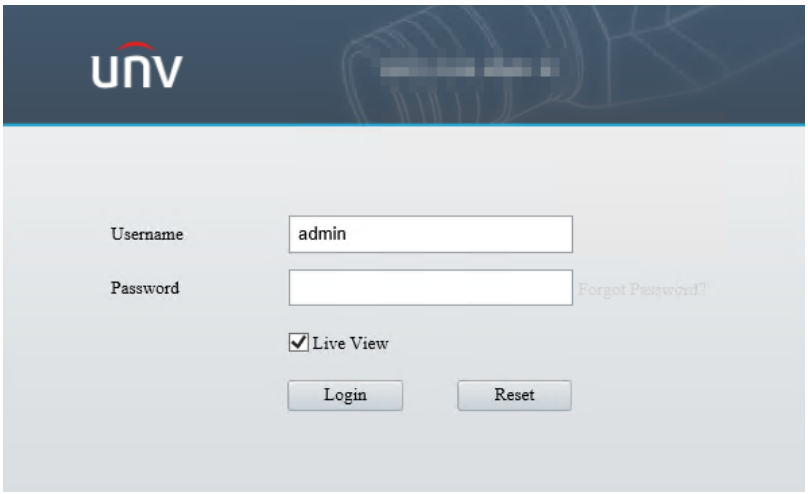


Figure 11-2: Door Station



2. At your first login, you need to follow the on-screen instructions to install the latest plug-in; otherwise, you cannot view the live video.

   Figure 11-3: Plug-in Installation Prompt

3. Enter the username and password (**admin**/**123456** by default).
4. (Optional for door station) Select **Live View**, and then the live view will play automatically.
5. Click **Login**, and then the indoor station will enter the Setup interface, and the door station will enter the Live View interface.
6. After your first login to the Web interface, the **Privacy Policy** interface will appear. Please read the terms carefully and select **I have read and agree to the above policy** if no problem, and then click **OK**.
7. After the first login, the **Change Password** interface appears, in which you must set a strong password and enter your email address (it can receive a security code if you forgot the password, and can be changed in User later). Then, use the new password to log in again.

   Indoor station / door station password: 9 to 32 characters, including digits, letters, and special characters.

Figure 11-4: Indoor Station

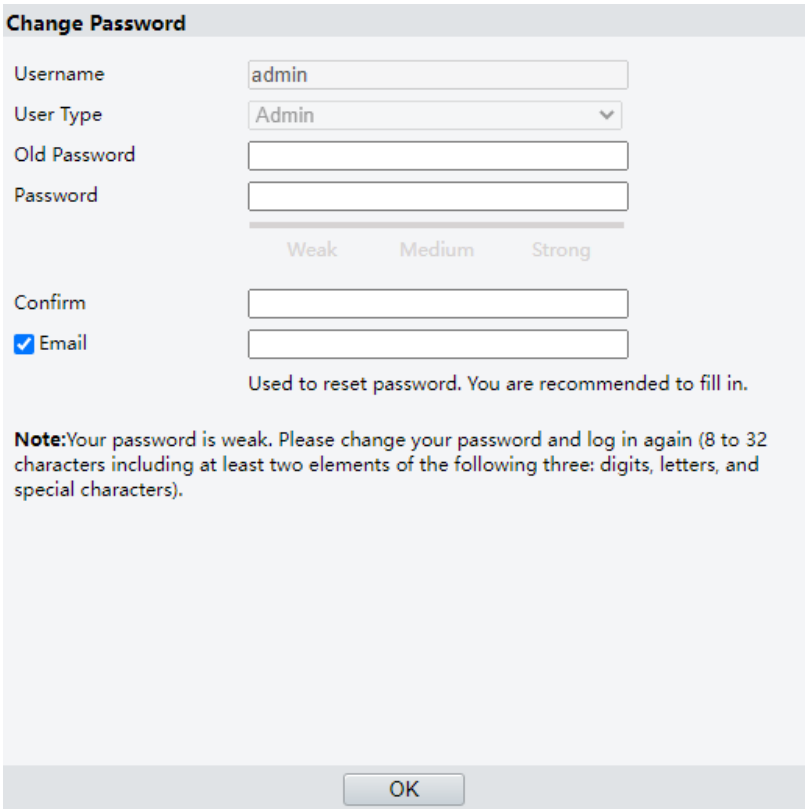
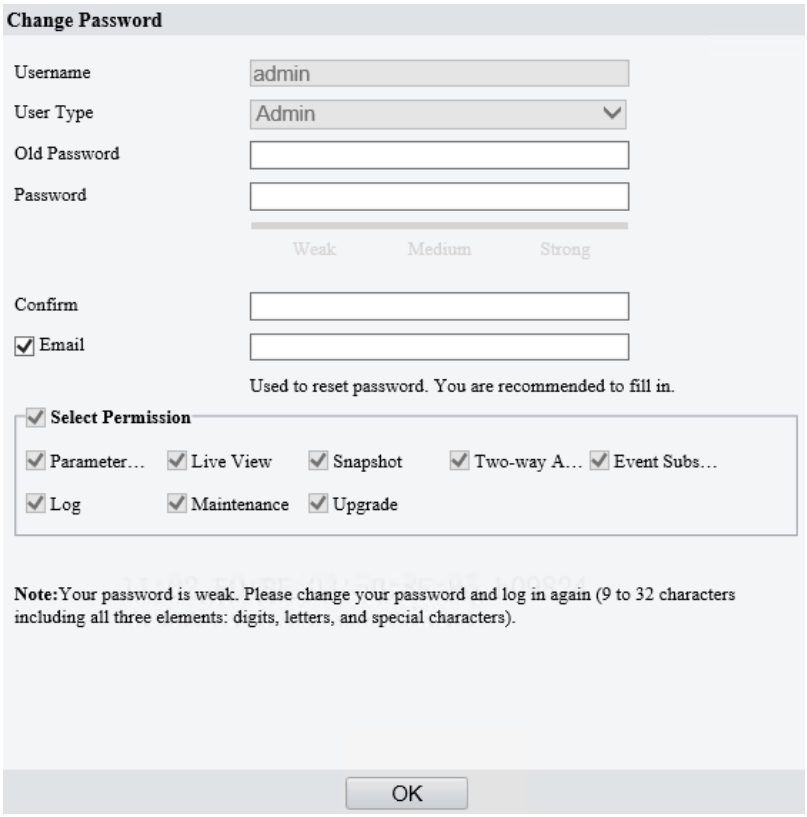


Figure 11-5: Door Station



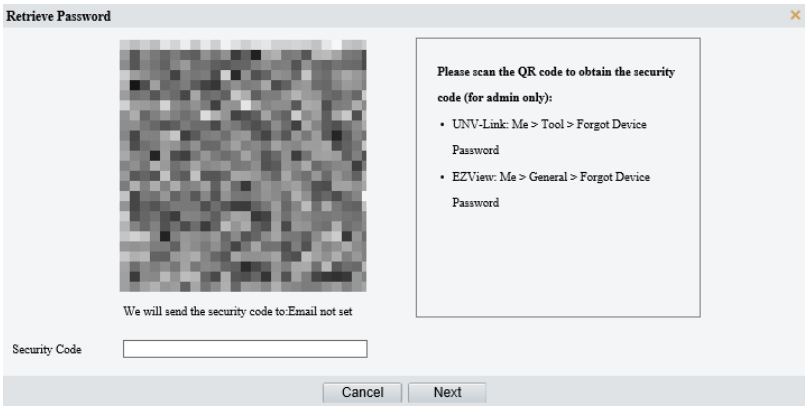
Forgot Password

If you forgot your password, you can click **Forgot Password** and obtain a security code to reset the password.

Note: To use this function, make sure an email address has been bound to the device, otherwise contact the local technical support to reset the password. The email can be set at the first login, or changed in User.

1. Click **Forgot Password** on the login page, and then the **Retrieve Password** interface will appear.

Figure 11-6: Retrieve Password



2. Obtain a security code according to the on-screen prompt.
3. Enter the security code, and click **Next** to retrieve the password. Please note this new password.

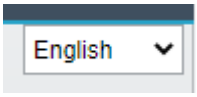
Change Language

Change the language displayed on the Web interface.

The default language is **English**. You can change the Web interface language to **Chinese Simplified** on the **Login** page. To change the device language, please see Maintenance.

Note: This function is only available to the indoor station.

Figure 11-7: Change Language



11.2 Live View

Play live video and audio.

Note:

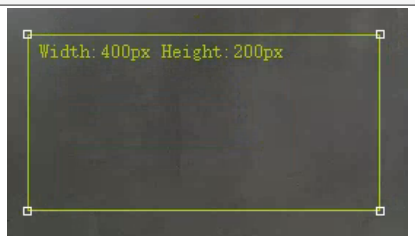
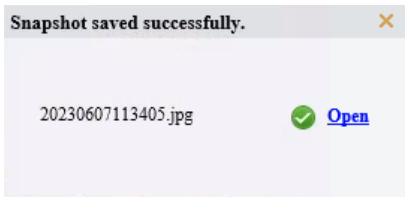
- This function is only available to the door station.
- To view the live video, complete the following operations:
  - Select **Live View** on the Login page.
  - Follow the on-screen instructions to install a plug-in and run it successfully.

After login, the **Live View** page appears by default.

Figure 11-8: Live View

Double-click the live view window to play it in full screen, and double-click again or press **Esc** to exit full screen.

Parameter	Description
Proportional	Set the image display ratio in the window. • Scale: Displays 16:9 images. • Stretch: Displays images according to the window size (stretch images to fit the window). • Original: Displays images with original size.
Main Stream/Sub Stream	Select a live video stream according to the device.
Image & General Parameters	Set **General Parameters** on the right to improve the live video effect. To view detailed parameters information or set more image parameters, click **Image** in the upper-right corner to enter the Image page.
	Start/stop live view.
	Turn off/on sound. Range: [0-100]. Default: 0. The greater the value, the higher the volume. **Note:** To set the output sound volume of the door station, please see Volume Control.
	Adjust the microphone volume on the client during audio communication between the client and the device. Range: [0-100]. Default: 100. The greater the value, the higher the volume.
	Show the current frame rate, network transmission rate, resolution, bit rate, and packet loss rate.
	Enable/disable pixel calculation. When enabled, a default rectangular box of 400px in width and 200px in height will appear on the center of the live view page. Drag the four points of the box to adjust the detection area, and the pixel value appears in the upper-left corner.

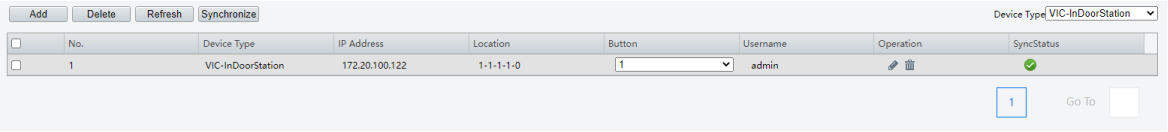
Parameter	Description
	
	Take a snapshot of the current live video. After a snapshot is complete, a pop-up window appears, including snapshot time and format. You can click **Open** to view the folder where the snapshot is saved.  **Note:** See Local Parameters for the path of the saved snapshots.
	Start/stop local recording. After a recording is complete, a pop-up window appears, including recording name, and format. You can click **Open** to view the folder where the recording is saved.  **Note:** See Local Parameters for the path of the saved recordings.
	Start/stop two-way audio between the client and the door station.
	Enable/disable digital zoom. When enabled, you can zoom in the live view with the following two ways, and right-click to restore to the original ratio. • Left click and hold on the live view window and drag your mouse to specify the area (rectangular area) to be magnified. • Slide the mouse wheel up to zoom in on the image.
	Enter full screen mode. To exit full screen mode, double-click in the live view window again or press **Esc**.
	Show/hide general parameters in the right.

11.3 Device Management

Batch manage indoor stations bound to 2-button and 4-button villa stations. When the two types of devices are bound and support normal communication, pressing the calling button on the door station can initiate a call to the corresponding indoor station, and you can view the door station's monitoring video on the indoor station's live video screen.

Enter the **Device Management** page.

Figure 11-9: Device Management



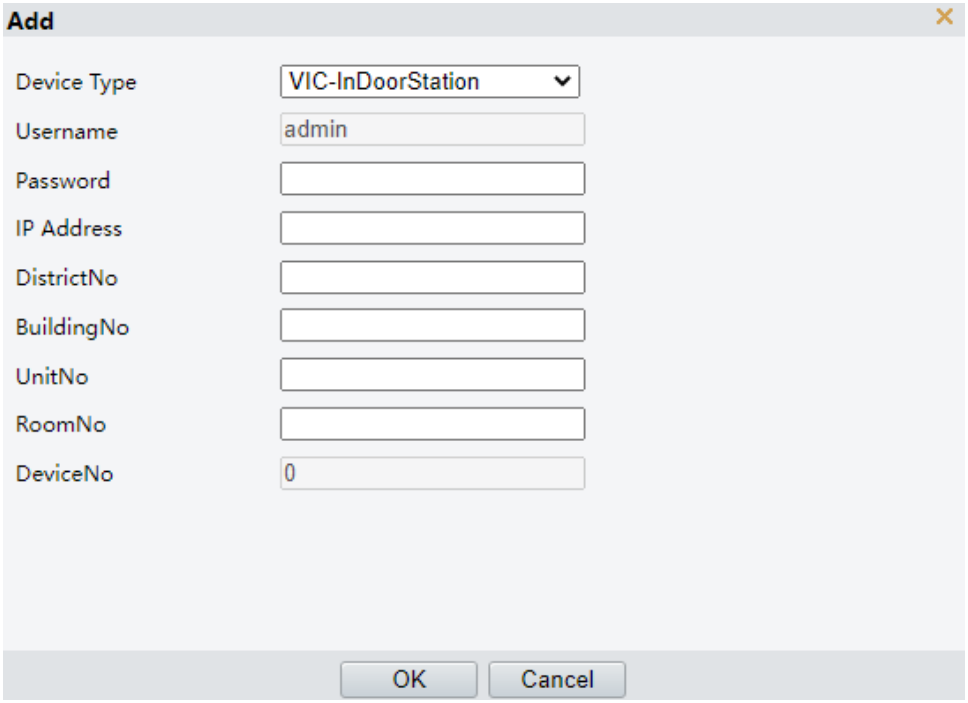
Add

The 2-button villa door station supports adding up to 2 indoor stations that can initiate calls. The button numbers correspond to 1 and 2, the two calling buttons on the door station arranged from up to down.

The 4-button villa door station supports adding up to 4 indoor stations that can initiate calls. The button numbers correspond to 1, 2, 3, and 4, the four calling buttons on the door station arranged from up to down.

1. Click **Add**.

   Figure 11-10: Add Device

2. Enter the indoor station password, IP address, and location information.

   Note: The IP address cannot be changed once it is set. Please confirm it before entering.

3. Click **OK** to add this indoor station. By default, the first added indoor station corresponds to the button 1 on the door station, the second added indoor station corresponds to the button 2, and so on.

Edit

Choose the indoor station you want to edit, click to change the password and location information, and then click **OK**.

Delete

Choose the indoor station you want to delete, click , and confirm the deletion.

Synchronize

If you change the indoor station's location information on this page and enable the sync function, the changed information will be synced to the indoor station when the indoor station is online.

Select the indoor station information you want to sync, click **Synchronize**, and then click **On** on the pop-up window.

11.4 Person Library

Users in the person libraries can pass through the door with the set authentication mode in the set time.

Note: This function is only available to the door station.

You can add, edit, delete, and search persons in a person library.

Enter the **Person Library** page.

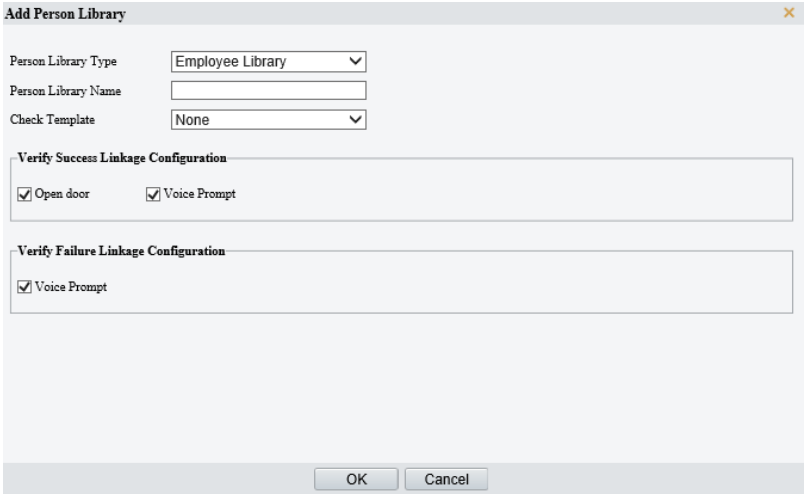
Figure 11-11: Person Library

The left list shows the person libraries, and the top of the list shows the total number of people in libraries.

Add

- Add Person Library
  1. Click **Add** at the top of the left list.

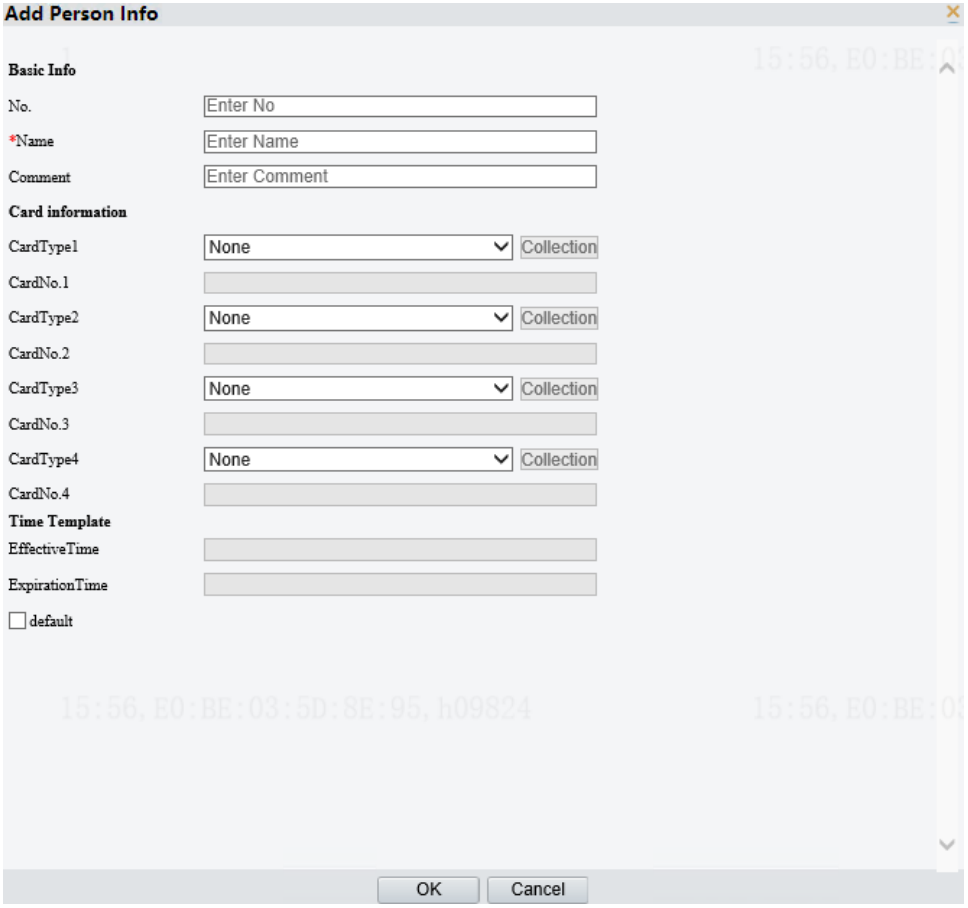
     Figure 11-12: Add Person Library

  2. Choose a person library type.
     - Employee Library: Choose this option for long-term users, such as residents, and security personnel.
     - Visitor Library: Choose this option for temporary visitors.
  3. Enter a unique name for the library. 1 to 20 characters are allowed.
  4. Choose a check template. You need to configure it in Check Template.
  5. Select the triggered actions after the authentication succeeds. **Open Door** and **Voice Prompt** are enabled by default.
  6. Select the triggered actions after the authentication fails. **Voice Prompt** is enabled by default.
  7. Click **OK** to save the settings.
- Add Person Information: You can add persons one by one or import in batches.
  - Add One by One
    1. Select the person library to which you want to add the person.

2. Click **Add** on the right.

Figure 11-13: Add Person Info



3. Enter the person number (0 to 15 characters are allowed, including letters, digits, underscores, and hyphens), person name (1 to 63 characters), and comment (0 to 20 characters).
4. Set the card information.

   Note: Up to 4 cards can be set for each person.

   (1) Set the card type to **IC Card**.

   (2) Enter the card number. The card number can be typed manually or identified automatically by clicking **Collection**.

   Note: The collection function is available when a card reader is connected to the device.
5. Set a specific time period for the person. It is effective permanently by default. At the same time, the time template is grayed out and cannot be set.

   (1) Select **default**.

   (2) Set the effective and expiration time.

   (3) Click **OK** to save the settings.

- Add in Batches: Click **Batch Import**, and import person information in batches based on the template.

Edit

- Edit Person Library
  1. Select the person library you want to edit, and click **Edit**.
  2. You can edit parameters excluding the person library type.
  3. Click **OK** to save the settings.
- Edit Person
  1. Click under the person you want to edit.

2. Edit the person information as needed.
3. Click **OK** to save the settings.

Delete

Note: The default template cannot be deleted.

- Delete person library: Select the target person library on the left. Click **Delete**, and then click **OK** to delete it.

  Note: Deleting a person library will also delete its related all person information. Please handle with caution.

- Delete person information: Click the corresponding under the person, or select multiple person information you want to delete and click **Delete**, and then click **OK** in the pop-up window.

11.5 Setup

11.5.1 Common

Configure commonly used functions including Basic Info, Local Parameters, Wired Network, Time, Platform Access, OSD, and User.

11.5.1.1 Basic Info

11.5.1.1.1 Basic Info

View the basic information and real-time operation status of the device, and quickly access certain common functions.

Go to **Setup** > **Common** > **Basic Info** > **Basic Info**.

Figure 11-14: Indoor Station

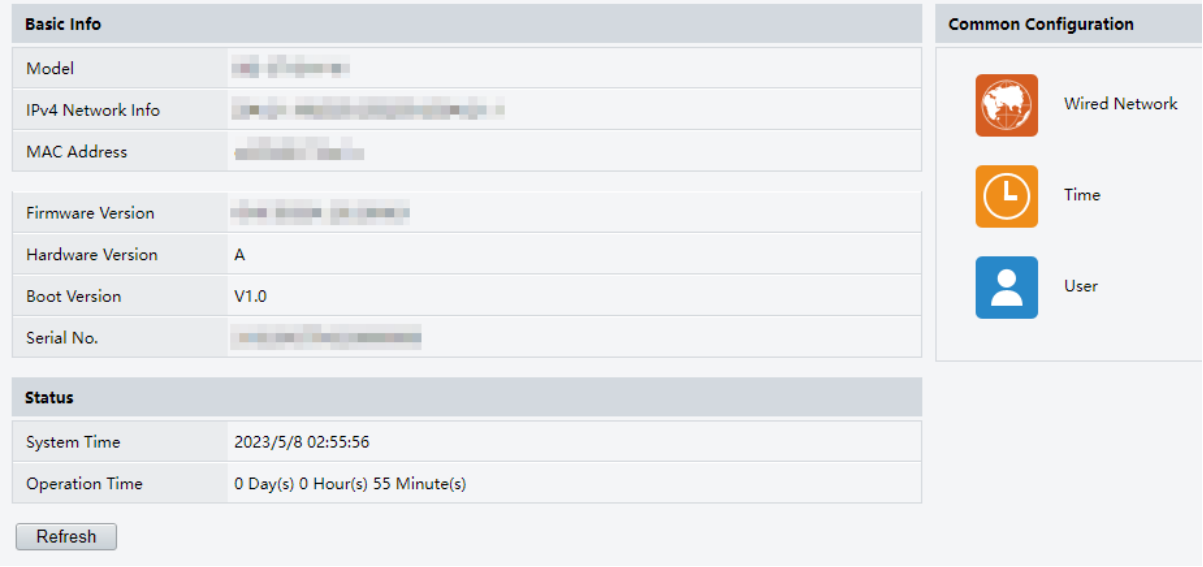
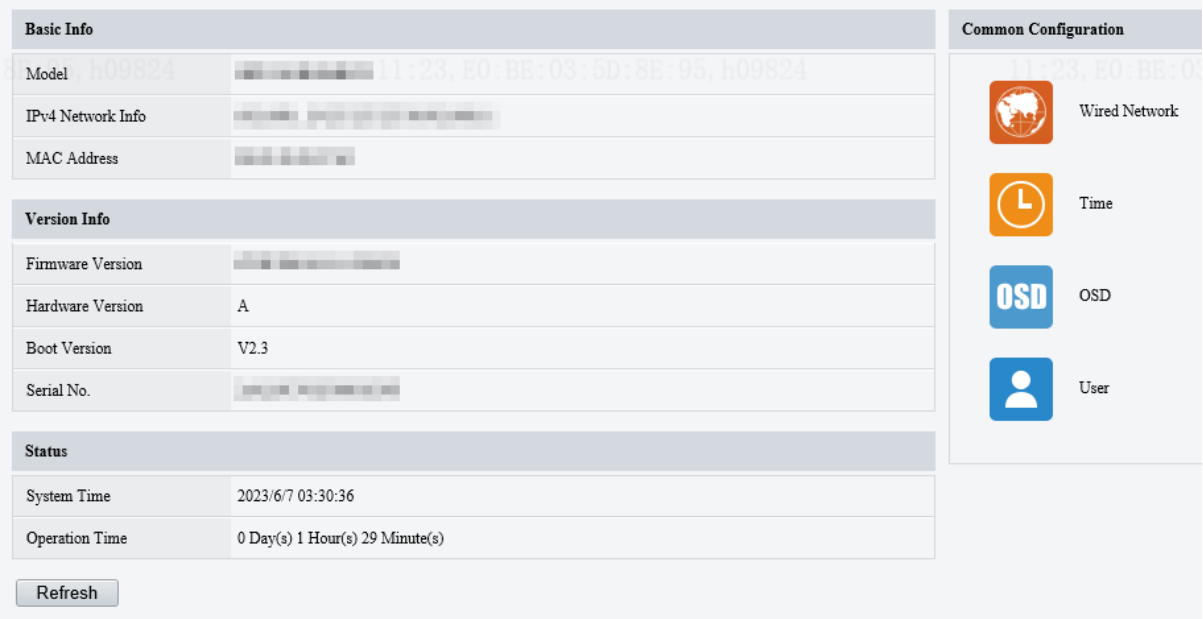


Figure 11-15: Door Station



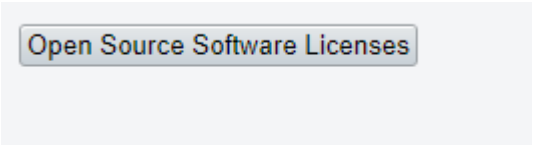
Common Configuration: Click the icon or text to quickly access the four common functions, including Wired Network, Time, OSD, and User.

11.5.1.1.2 About

View the open source software licenses.

1. Go to **Setup** > **Common** > **Basic Info** > **About**.

   Figure 11-16: About

2. Click **Open Source Software Licenses** to view the details.

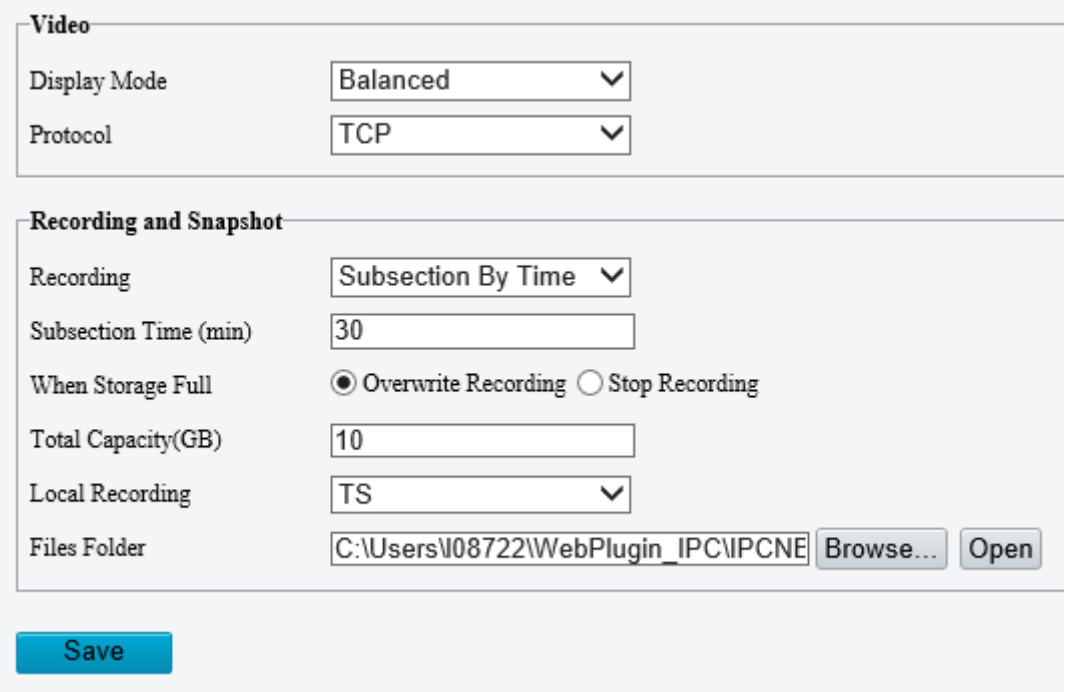
11.5.1.2 Local Parameters

Set local parameters for the device, including video, recording and snapshot.

Note: This function is only available to the door station.

1. Go to **Setup** > **Common** > **Local Parameters**.

Figure 11-17: Local Parameters



2. Set the parameters as needed.

Parameter		Description
Video	Display Mode	Set the video display mode according to the network status including **Min. Delay**, **Balanced** (default), and **Fluent** (from low delay to high delay). You may also customize the display mode as needed.
	Protocol	Set the protocol used to transmit media streams. • UDP (default): Supports one-to-one, one-to-many, many-to-many, and many-to-one communication methods. Data can be sent without establishing a logical connection, but the data security and integrity cannot be guaranteed. • TCP: Supports one-to-one communication only. Data can only be sent after a logical connection has been established between the receiver and the sender, with higher security and reliability than UDP.
Recording and Snapshot	Recording	Mode to store the recording. • Subsection By Time (default): Save recording files of the set subsection time. • Subsection By Size: Save recording files of the set subsection size.
	Subsection Time (min)/ Subsection Size (MB)	• Subsection Time (min): Available when **Subsection By Time** is selected. Range: [1-60], default: 30. • Subsection Size (MB): Available when **Subsection By Size** is selected. Range: [10-1024], default: 100.
	When Storage Full	• Overwrite Recording (default): When the local recording capacity is full, the oldest recordings are overwritten automatically. • Stop Recording: When the local recording capacity is full, recording stops automatically.
	Total Capacity (GB)	Allocate storage capacity for local recording. Range: [1-1024], default: 10. The greater the value, the more the allocated recording storage capacity.

Parameter		Description
	Local Recording	Set the file format for saving local recordings, including TS and MP4. The default format is TS.
	Files Folder	Set the location where snapshots and recordings are saved.

3. Click **Save**.

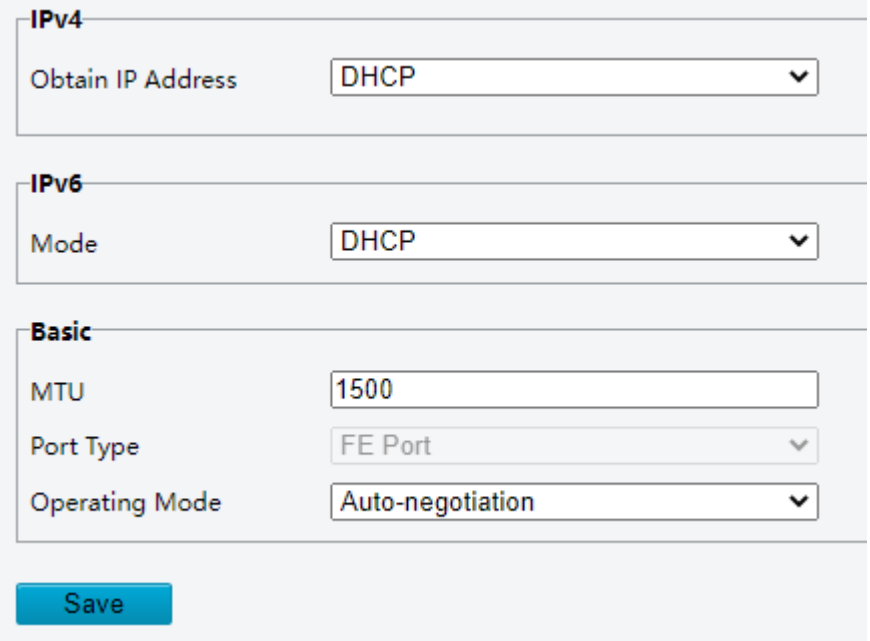
11.5.1.3 Wired Network

Configure network communication parameters for the device so it can communicate with other devices.

For network settings on the screen, see Network Settings.

1. Go to **Setup** > **Common** > **Wired Network**.

Figure 11-18: Wired Network



2. Configure wired network parameters.

Parameter		Description
IPv4	Obtain IP Address	• Static: Configure a static public network IP address for the device manually. Set **Obtain IP Address** to **Static**, and enter the IP address, subnet mask, and default gateway. • DHCP (default): If a DHCP (Dynamic Host Configuration Protocol) server is deployed in the network, the device can automatically obtain an IP address from the DHCP server. • Configure PPPoE (Point to Point Protocol over Ethernet) to assign the device a dynamic IP address to establish network connection. Set **Obtain IP Address** to **PPPoE**, and enter the username and password provided by your ISP (Internet Service Provider).
IPv6	Mode	IPv6 has a lot more IP addresses than IPv4, and is faster and safer than IPv4 in terms of data transfer. The IPv6 mode includes **DHCP** and **Manual**. The default mode is **DHCP**.
Parameter	MTU	Maximum transmission unit, the maximum packet size supported by the device in bytes. IPv4 Range: [576-1500], integer only. Default: 1500. IPv6 Range: [1280-1500], integer only. Default: 1500.

Parameter		Description
		The greater the value, the higher the communication efficiency, the higher the transmission delay.
	Operating Mode	• Rate + Half Duplex: At the set rate, the port can only receive or send data at a given time, and there is a physical transmission distance limitation. • Rate + Full Duplex: At the set rate, the port can receive and send data at a given time, eliminating the physical transmission distance limitation of half duplex. • (Rate +) Auto-negotiation: The port automatically negotiates with the port of the peer end about the (speed and) operating mode, allowing both to run in the most efficient mode.

3. Click **Save**.

11.5.1.4 Time

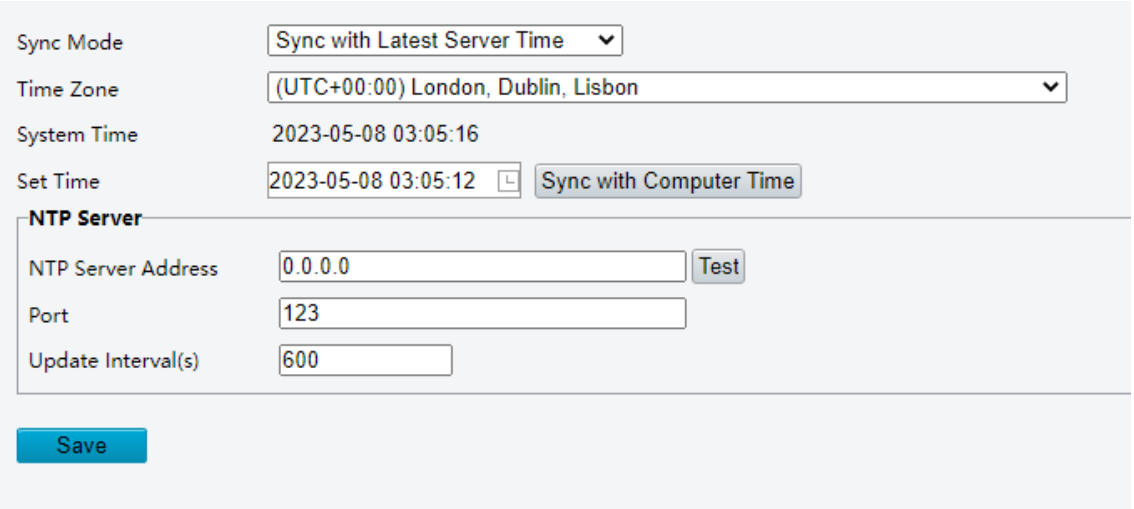
11.5.1.4.1 Time

Set the device time.

Note: For time settings on the screen, see Time.

1. Go to **Setup** > **Common** > **Time** > **Time**.

Figure 11-19: Time

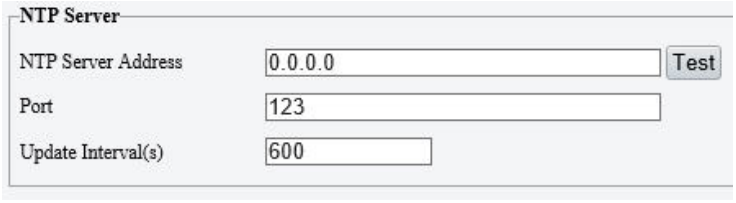


2. You can set the device time manually or sync it with a server.
   - Set manually: Click in the **Set Time** text box and set the time as needed.

     Note: When setting the system time manually, you need to set **Sync Mode** to **Sync with Latest Server Time**; otherwise, the device will still sync with other time sources after you set it manually.
   - Sync time automatically:

     (1) Select the sync mode.

Parameter	Description
Sync with System Configuration	The device uses the time provided by its built-in time module.
Sync with NTP Server	NTP Server: A server used to sync time with the distributed server and client via NTP protocol. To sync the server time, you need to configure the NTP server address, port, and update interval.

Parameter	Description
	 • NTP Server Address: Enter the NTP server address and click **Test** to check the network communication. A success message will appear if the NTP is verified successfully. • Port: Range: [1-65535], integer only, default: 123. • Update Interval (s): Range: [30-86400], integer only, default: 600.
Sync with ONVIF Access Time	The device regularly syncs time with the management server connected via Onvif.
Sync with Latest Server Time	Default. The device regularly syncs time with all the connected servers.
Sync with Cloud Server	The device regularly syncs time with EZCloud.

(2) Set the time zone as needed. The default time zone is (UTC+00:00) London, Dublin, Lisbon.

(3) Click **Sync with Computer Time**, and then the device time will be synced based on the set sync mode.

3. Click **Save**.

11.5.1.4.2 DST

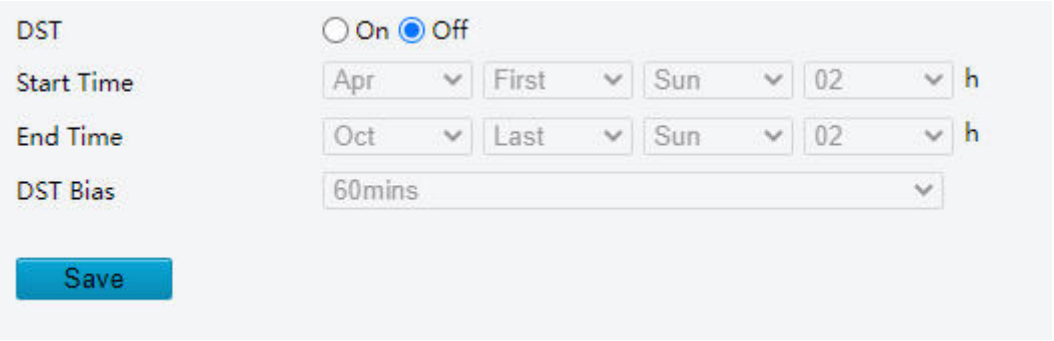
DST (Daylight Saving Time) is a local time system designed to make full use of daytime to save energy, which sets clocks forward by one hour in summer months.

By default, this function is disabled.

Note: DST rules vary in different countries.

1. Go to **Setup** > **Common** > **Time** > **DST**.

Figure 11-20: DST



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

11.5.1.5 Platform Access

You can add the device to EZCloud via the EZCloud website to remotely access the device and view the live video.

1. Go to **Setup** > **Common** > **Platform Access**.

Figure 11-21: Platform Access

2. Enable **EZCloud**.
3. (Optional) Enable **Add Without Signup**, and you can relate the device to EZCloud without registering the account.
4. Click **Save**. A success message means the settings are saved.
5. Scan the QR code with the UNV-Link app, and follow the on-screen instruction to relate the device to the app.

If the device status is online, it indicates that the device is related successfully. To delete the device from cloud, click **Logout**.

11.5.1.6 OSD

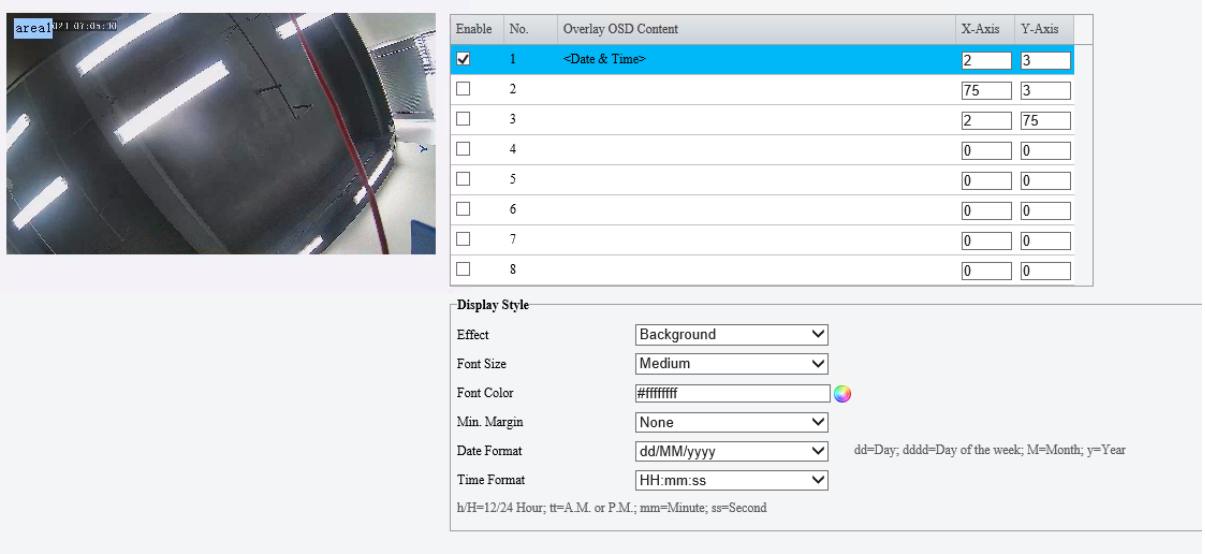
On Screen Display (OSD) are characters overlaid on Live View, including date, time, etc.

Note:

- This function is only available to the door station.
- Up to 8 OSDs are allowed.

1. Go to **Setup** > **Common** > **OSD**.

Figure 11-22: OSD

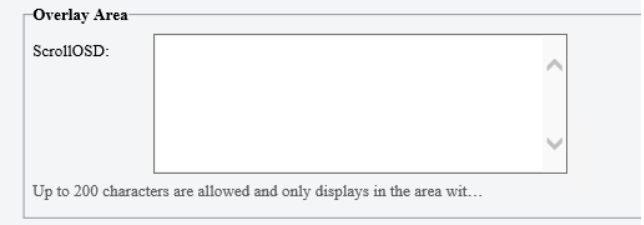


2. To enable an OSD, select the check box in the **Enable** column, and then the OSD area will be displayed on the live video (OSD name format: area + OSD number, for example, area 1).
3. Set the OSD content you want to overlay.
   - Custom: 0 to 40 characters are allowed.

- Date & Time/Time/Date: Overlay the current date & time, time or date.
- Scroll OSD: The OSD text appears on the live video and scrolls from right to left.

  Enter the text information you want to overlay. Up to 200 characters are allowed, and it will be only displayed in the area with the smallest number.

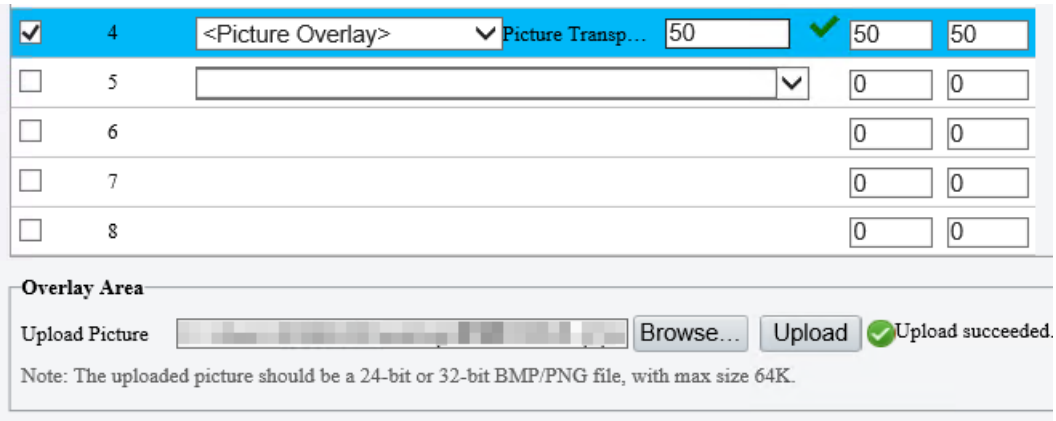
  Figure 11-23: ScrollOSD



- Picture Overlay: Overlay the imported picture.

  You can set the picture transparency as needed (an integer from 1 to 100 is allowed; the greater the value, the higher the transparency effect). Then, you can upload a picture with 24 or 32 bit depth, **.bmp** or **.png** format, and size of no more than 64K.

  Figure 11-24: Picture Overlay



4. Specify the exact position of the OSD by entering the X and Y coordinates. Take the top left corner of the image as the origin coordinates (0, 0), the horizontal axis is the X-axis, and the vertical axis is the Y-axis.
5. Set the OSD display style as needed.
   - Effect: **Background** by default.
   - Font Size/Font Color: **Medium**, **#ffffffff** by default.
   - Date Format/Time Format: **dd/MM/yyyy**, **HH:mm:ss** by default.
   - Min.Margin: The distance between the OSD area and the coordinate. Default: **None**.

11.5.1.7 User

Users are entities that manage and operate the device. A user type is a set of operation permissions. After a user type is assigned to a user, the user has all the permissions defined in the type.

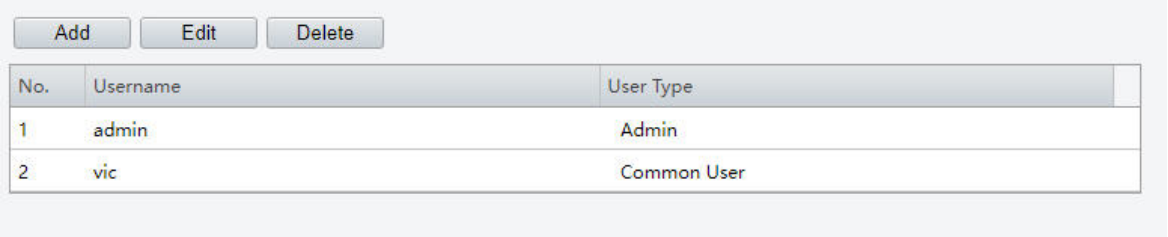
The user types are described below.

- Admin: The default super administrator, which has all permissions for managing the device. Only 1 admin user is allowed. The admin cannot be added or deleted.
- Operator: It is created and configured by admin, with lower permission than admin.
- Common User: It is created and configured by admin, with lower permission than operator.

Note: Only the door station involves **Operator** and **Common User**.

Go to **Setup** > **Common** > **User**.

Figure 11-25: User



Add User

Note:

- Only the door station can add users.
- Up to 31 users are allowed, including operator and common user.

1. Click **Add**.

Figure 11-26: Add Operator

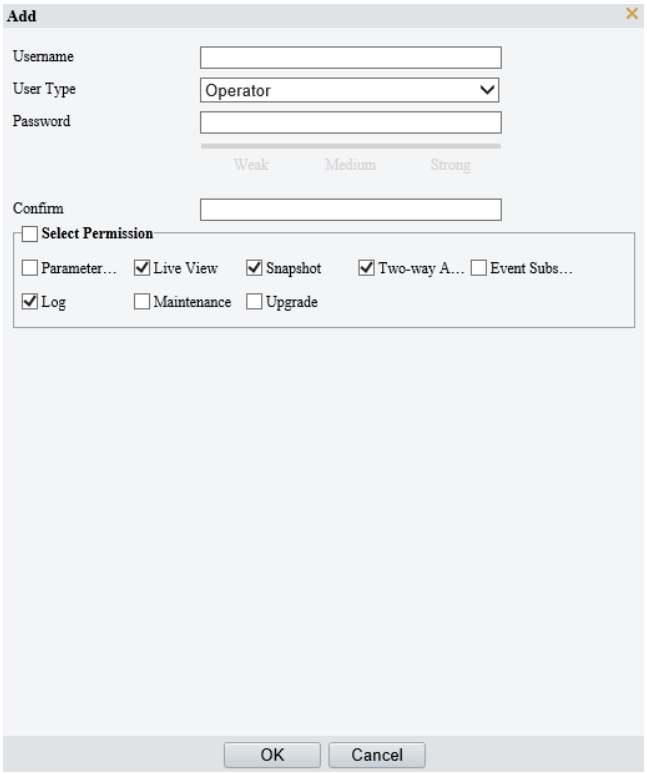
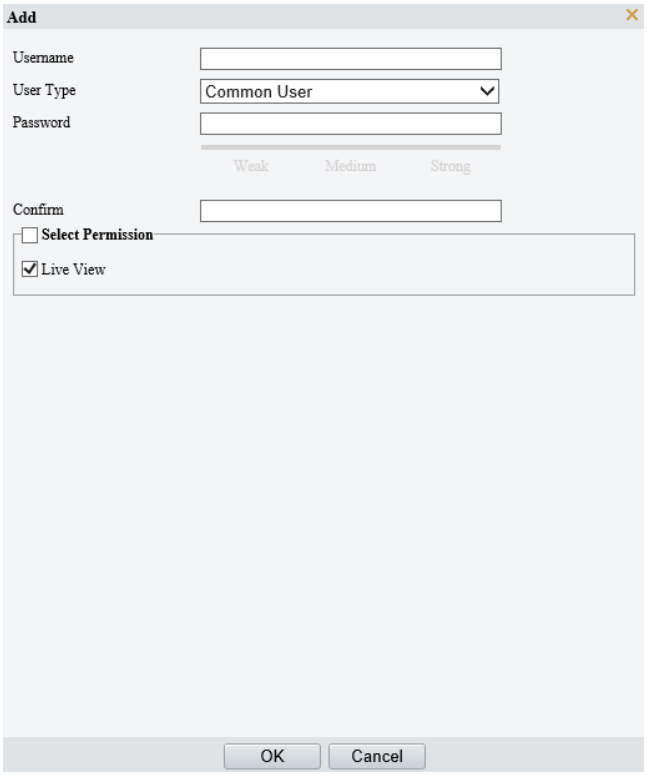


Figure 11-27: Add Common User



2. Enter the username. 1 to 32 characters are allowed, including letters(A-Z, a-z), digits(0-9), underscores(_), hyphens(-), dots(.), and plus signs(+).
3. Choose a user type, including **Operator** or **Common User**.
4. Enter the password with 9 to 32 characters, including digits, letters and special characters.
5. Select permissions you want to assign to the new user.

   Note: You can select the **Select Permission** check box to select/deselect all permissions.
6. Click **Save**.

Delete User

Note:

- The admin and vic users cannot be deleted.
- Only the door station can delete users.

1. Select the user you want to delete, and click **Delete**.
2. Click **OK** to confirm the deletion.

Edit User

Admin can change the device password and email. Common user and operator can change the device password and allocate the permission.

Note:

- To edit a user, you need to enter the admin password.
- To change the email or permission, you need to reset the admin password, otherwise the configuration will not be saved successfully. After changing the password, the **Login** interface will appear, and you can log in with the new password.

1. Select the user you want to edit, and click **Edit**.
2. Enter the admin password, new password and then confirm it by entering again.
3. Change the email or permissions.
4. Click **OK**.

Set Registration Password

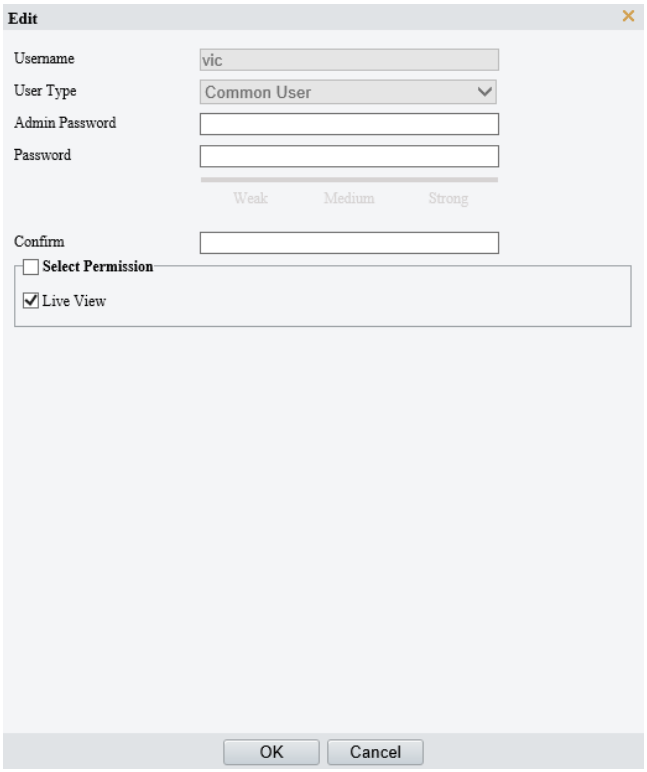
The registration password of the related device must be consistent with that of the indoor station in the same network segment, so the live view and video intercom functions can be used for networking security.

The password of the vic user is the registration password. Default: 12345678.

You can set the registration password on the local interface. See Registration Password for details.

1. Select the vic user, and click **Edit**.

Figure 11-28: Set Registration Password



2. Enter the admin password and registration password (9 to 32 characters including digits, letters, and special characters), and enter the registration password again to confirm.
3. Click **OK**.

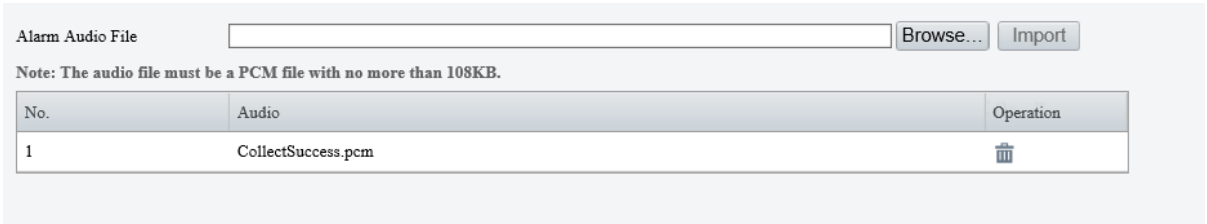
11.5.1.8 Personalization

When **Auto Answer** is enabled on the indoor station, the door station will play the custom audio when its call is rejected by the indoor station.

1. Go to **Setup** > **Common** > **Personalization**.
2. Click **Browse...**, and select a custom auto answer audio for the first use.

Note: The audio must be a PCM file with the file size of no more than 108KB and file name of no more than 32 characters.

Figure 11-29: Custom Auto Answer Audio



3. Click **Import**, and then the custom audio will be displayed in the audio list.

Only one audio is allowed.

To cancel the custom audio, tap , and then the audio will restore to the default (“The user you are calling is unavailable.”).

To change the audio, follow the steps above, and the new audio will automatically overwrite the previous one.

11.5.2 Network

11.5.2.1 Basic Config

Configure network parameters for the device to communication with other devices.

11.5.2.1.1 Wired Network

See Wired Network for details.

11.5.2.1.2 Wi-Fi

Configure Wi-Fi for the device to connect to the network, and then the call, live view, and other functions can be used normally.

This function is only available to the indoor station and certain single-button door stations. For Wi-Fi configuration on the screen, see Wi-Fi.

Go to **Setup** > **Network** > **Basic Config** > **Wi-Fi**.

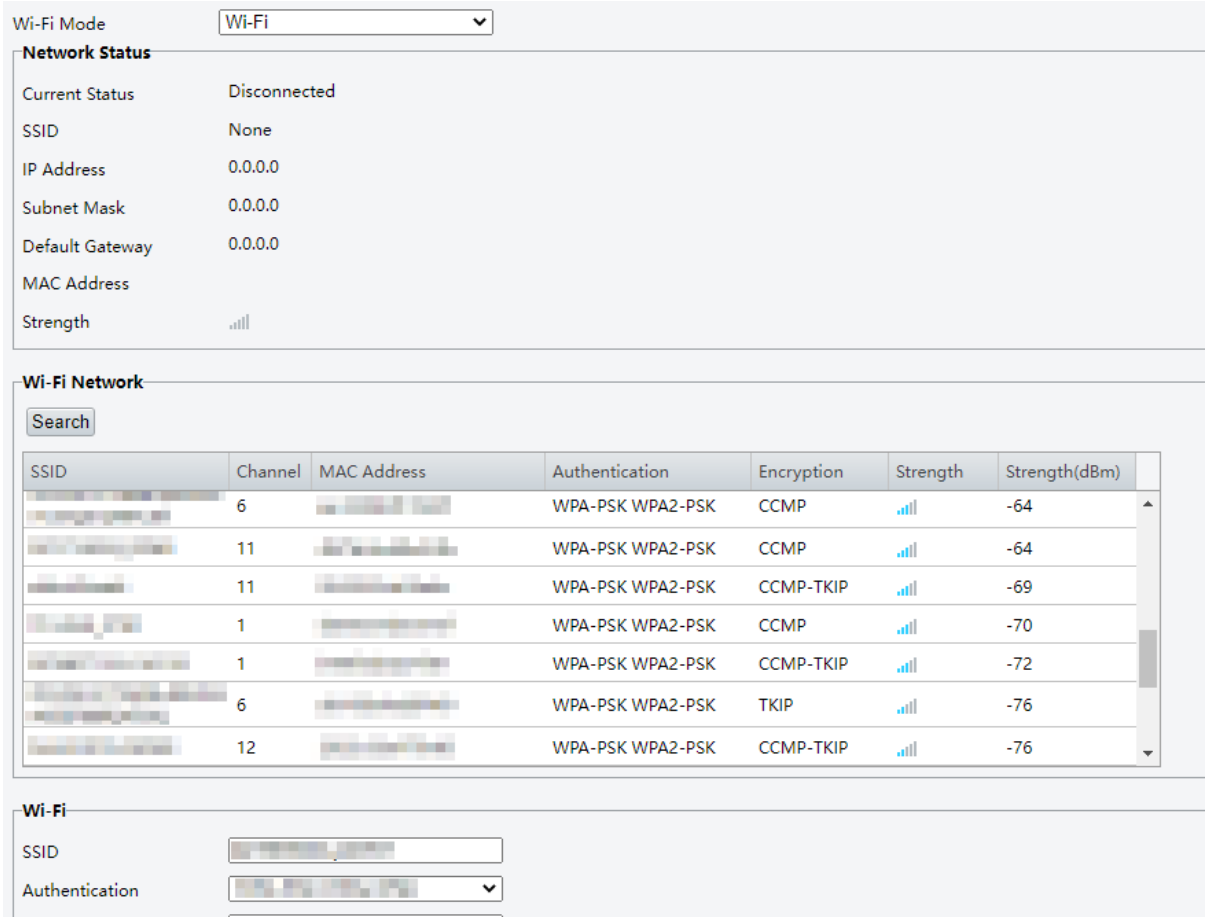
Figure 11-30: Wi-Fi

Connect Wi-Fi

Note: After the Wi-Fi is connected, the network response will be sluggish. Please be patient.

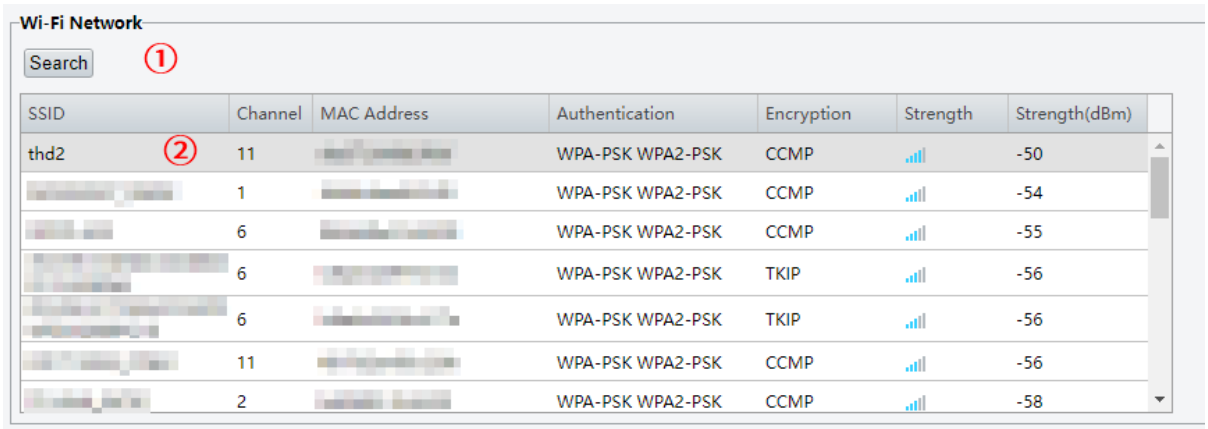
1. Set **Wi-Fi Mode** to **Wi-Fi**. You can view the current Wi-Fi network status, the list of available Wi-Fi networks, and detailed Wi-Fi information.

Figure 11-31: Wi-Fi



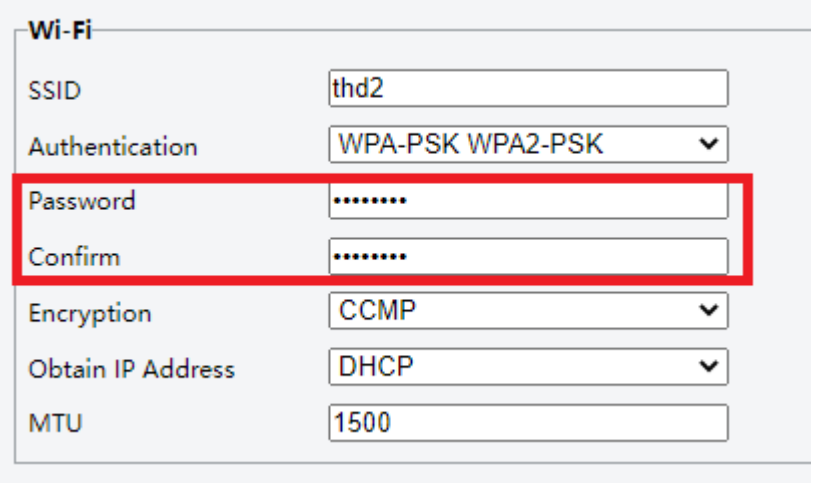
2. Click **Search** on the **Wi-Fi Network** tab to search for available Wi-Fi networks.
3. Select the Wi-Fi you want to connect from the list.

Figure 11-32: Select Wi-Fi



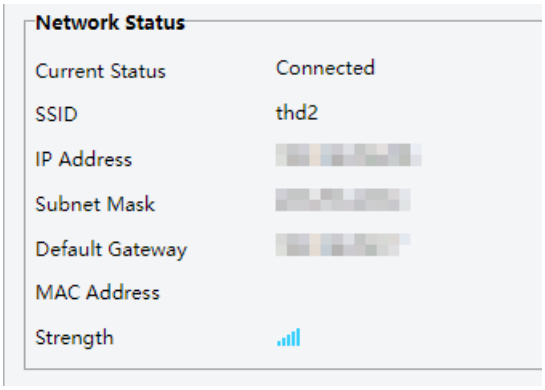
4. Enter the Wi-Fi password and confirm the password.

Figure 11-33: Enter Password



5. Click **Save**. Wait about 3 seconds, and then the **Network Status** tab displays the current network status of connected Wi-Fi.

Figure 11-34: Connected Wi-Fi



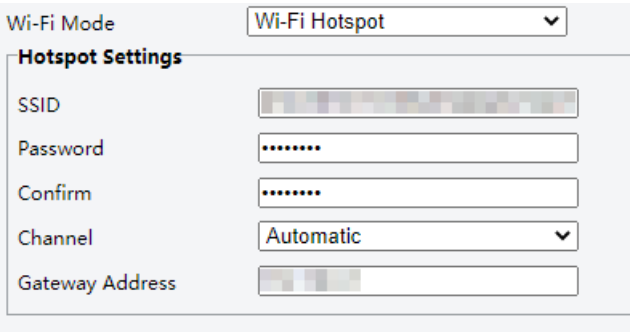
Enable Wi-Fi Hotspot

The device can function as a Wi-Fi hotspot for other devices.

Note: This function is only available to the indoor station.

1. Set **Wi-Fi Mode** to **Wi-Fi Hotspot**.

Figure 11-35: Enable Wi-Fi Hotspot

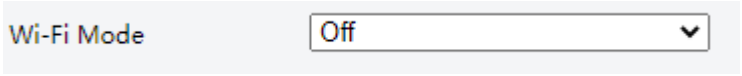


2. (Optional) Set the SSID, a name for the Wi-Fi hotspot. 1 to 32 characters are allowed, including uppercase and lowercase letters, digits, underscores, and hyphens.
3. Set a password for the Wi-Fi hotspot. 8 to 32 characters are allowed, including uppercase and lowercase letters, digits, and special characters.
4. Click **Save**.

Disable Wi-Fi/Wi-Fi Hotspot

1. Set **Wi-Fi Mode** to **Off**.

Figure 11-36: Off



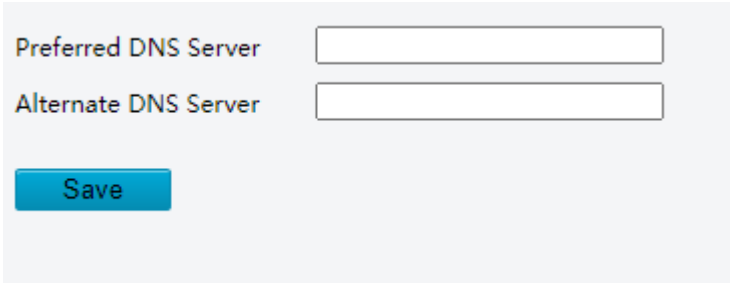
2. Click **Save**.

11.5.2.1.3 DNS

DNS (Domain Name System) is a globally distributed service that translates human readable domain names into numeric IP addresses, facilitating devices to access external servers or hosts through domain names.

1. Go to **Setup** > **Network** > **Basic Config** > **DNS**.

Figure 11-37: DNS



2. Enter the DNS server address.
3. Click **Save**.

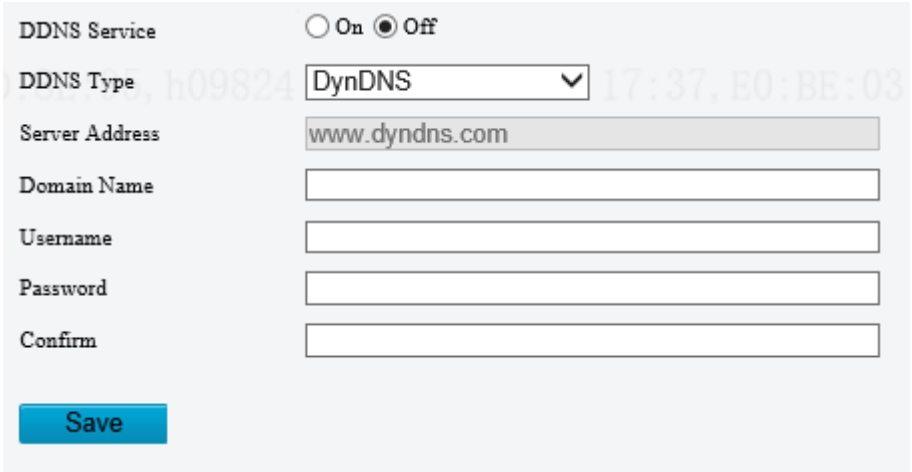
11.5.2.1.4 DDNS

DDNS (Dynamic Domain Name Server) can map the dynamic IP address of the device to a fixed domain name, which is designed to help other devices on the public network access the network with the fixed domain name. With DDNS, users can access the private network device for remote control with the public IP address.

Note: This function is only available to the door station.

1. Go to **Setup** > **Network** > **Basic Config** > **DDNS**.

Figure 11-38: DDNS



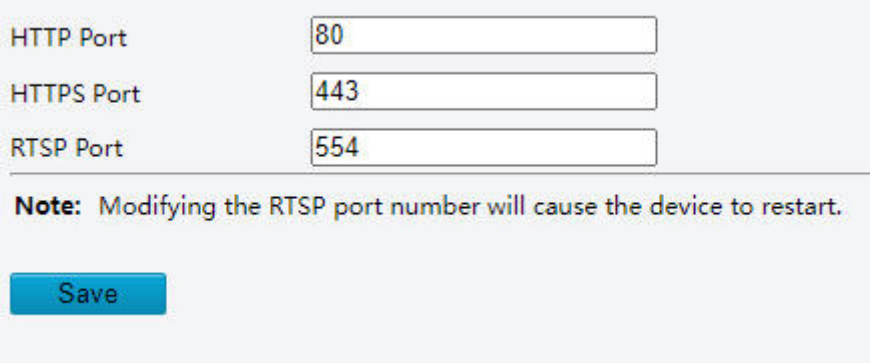
2. Enable **DDNS Service**.
3. Set DDNS parameters.
   - DynDNS/No-IP: Enter the domain name, username, and password, and confirm the password.
     - Domain name: Domain name assigned by your DDNS service provider, for example, www.dyndns.com.
     - Username and password: The corresponding username/password for your DDNS account, for example, www.dyndns.com.
   - EZDDNS: Custom a domain name for your device. 4 to 63 characters are allowed, including letters, digits, underscores, and hyphens. Click **Test** to check if the domain name is available.
4. Click **Save**.

11.5.2.1.5 Port

Set the port to access the device via network.

1. Go to **Setup** > **Network** > **Basic Config** > **Port**.

   Figure 11-39: Port



2. You can use the defaults or customize them in case of port conflicts.

   Note: If the HTTP port number you entered has been used, a message "Port conflicts. Please try again." will appear. 23, 81, 82, 85, 3260, and 49152 have been assigned for other purposes and cannot be used. In addition to the above port numbers, the system can also dynamically detect other port numbers that are already in use.

   - HTTP/HTTPS Port: If you change the HTTP/HTTPS port number, then you need to add the new port number after the IP address when logging in. For example, if the HTTP port number is set to 88, you need to use http://192.168.1.13:88 to log in to the device.
   - RTSP Port: Real-Time Streaming Protocol port. You can enter an available port number.

3. Click **Save**.

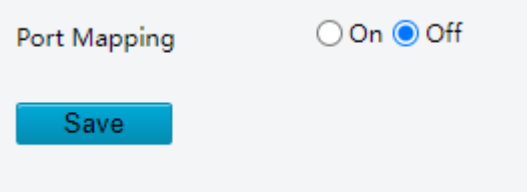
11.5.2.1.6 Port Mapping

Configure port mapping so computers on the WAN can access the device on the LAN.

Note: By default, this function is disabled.

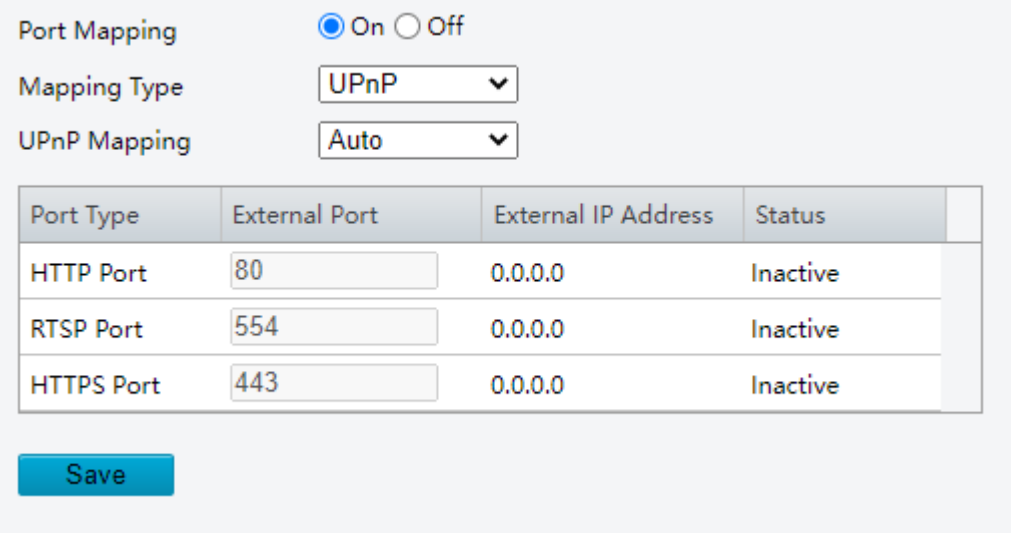
1. Go to **Setup** > **Network** > **Basic Config** > **Port Mapping**.

   Figure 11-40: Port Mapping



2. Enable **Port Mapping**.

Figure 11-41: Enable Port Mapping



3. Choose a mode from the UPnP list, including **Automatic** (default) and **Manual**.
   - Automatic: The external port numbers and IP address are assigned automatically.
   - Manual: The external port numbers need to be set manually.
4. Click **Save**.

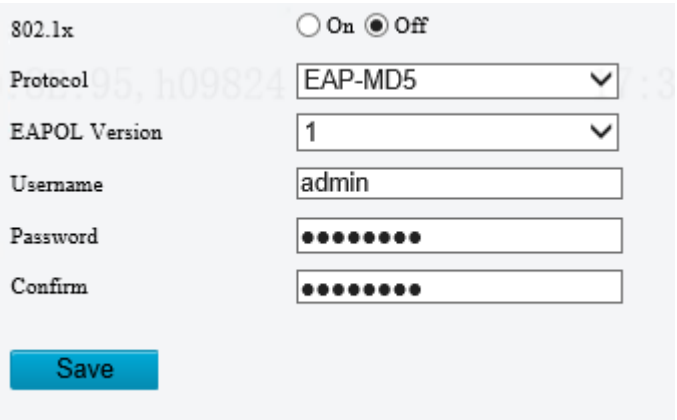
11.5.2.1.7 802.1x

The 802.1x protocol is an access control protocol for a device to access the network. In situations with high security requirements, 802.1x authentication is necessary when the device is connected to the network. Only successfully authenticated devices are allowed to access the LAN, so as to ensure network security and realize normal communication.

Note: This function is only available to the door station.

1. Go to **Setup** > **Network** > **Basic Config** > **802.1x**

Figure 11-42: 802.1x



2. Enable **802.1x**.
3. Select the EAPOL version (Extensible Authentication Protocol over LAN) as needed.
4. Enter the device username and password, and then confirm the password
5. Click **Save**.

11.5.2.2 Service Config

11.5.2.2.1 QoS

QoS (Quality of Service) can alleviate network delay and network congestion by providing high-priority communication services.

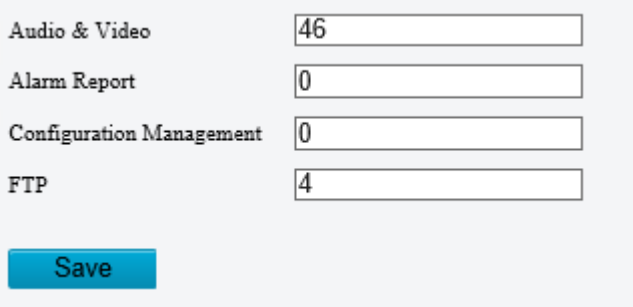
Note:

- This function is only available to the door station.
- To use QoS, the same QoS rules must also be configured on the router or network switch.

At present, QoS allows you to assign different priority to audio and video, alarm report, configuration management, and FTP transmission.

1. Go to **Setup** > **Network** > **Service Config** > **QoS**.

   Figure 11-43: QoS

2. Set a priority level for each service. Range: [0-63]. The greater the value, the higher the priority.

   For example, when the audio & video is set to 60, and alarm report, configuration management and FTP are set to 0, the device first ensures smooth audio and video in the case of network congestion.

3. Click **Save**.

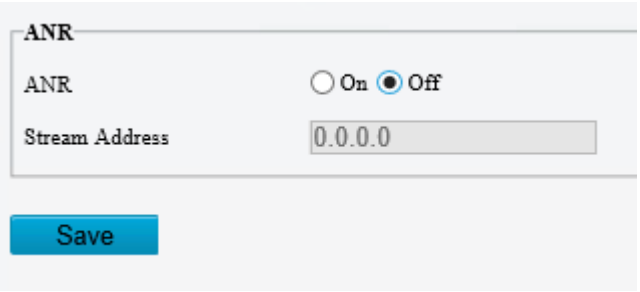
11.5.2.2.2 ANR(ONVIF)

If the network connection between the device and the peer (stream receiving address) is disconnected, the device can store videos according to the configured recording schedule; and after the network connection is restored, the device can retransfer the video stored during the interruption period to the stream receiving address on the request of the peer.

Note: This function is only available to the door station.

1. Go to **Setup** > **Network** > **Service Config** > **ONVIF**.

   Figure 11-44: ONVIF

2. Enable **ANR**.
3. Set the stream address.
4. Click **Save**.

11.5.2.3 Server

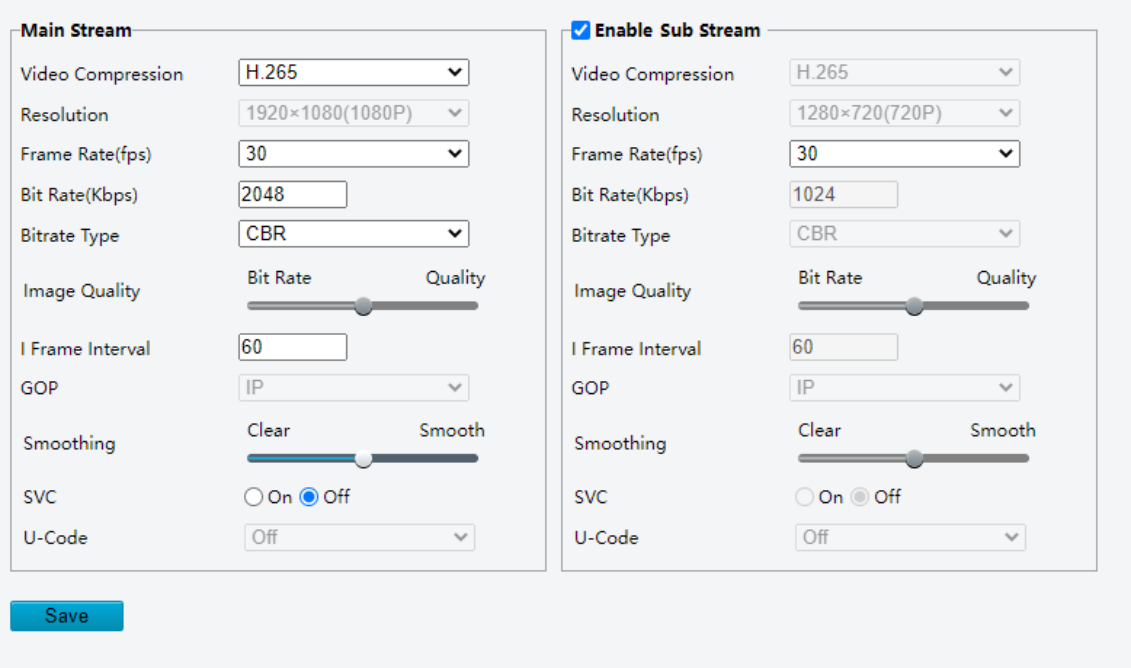
See Platform Access for details.

11.5.3 Video

1. Go to **Setup** > **Video & Audio** > **Video**.

   Note: This function is only available to the door station.

Figure 11-45: Video



2. Set the main stream parameters. The following introduces some parameters.

Item	Description
Video Compression	Select a video compression standard for your device: **H.265** and **H.264**. The corresponding resolution is **1080P** by default.
Bit Rate(fps)	Select the bit rate transferred per second from the drop-down list.
Bitrate Type	• CBR: The device keeps a specific bit rate by varying the quality of video streams. • VBR: The device keeps the quality of video streams as constant as possible by varying the bit rate.
Image Quality	Drag the slider to adjust the image quality. It is configurable when **Bitrate Type** is set to **VBR**. • The closer the slider is to **Bit Rate**, the lower the bit rate, and the image quality will be affected. • The closer the slider is to **Quality**, the higher the bit rate, and the higher the image quality.
I Frame Interval	The number of frames between two adjacent I frames. A shorter interval presents better image quality but consumes more bandwidth and storage, while a longer interval presents poorer image quality. It is recommended to use the default value.
Smoothing	Drag the slider to choose whether smoothness or clarity takes precedence. **Clear** means smoothing is disabled. The closer the slider is to **Smooth**, the higher the smoothness, and the image clarity is affected. **Note:** Smoothing is recommended for fluent video in a poor network environment.
SVC	When enabled, Scalable Video Coding (SVC) can achieve temporal layers to extract partial bit streams and achieve fractional frame rates, reducing bandwidth consumption without compromising the video quality.

3. The sub stream is enabled by default. To disable it, uncheck **Enable Sub Stream**.
4. Click **Save**.

11.5.4 Image

11.5.4.1 Image

11.5.4.1.1 Image

Set image parameters include scenes, image enhancement, exposure, etc.

1. Go to **Setup** > **Image** > **Image**. Double-click the image on the left to play it in full screen, and double-click again or press **Esc** to exit full screen.

   Figure 11-46: Image

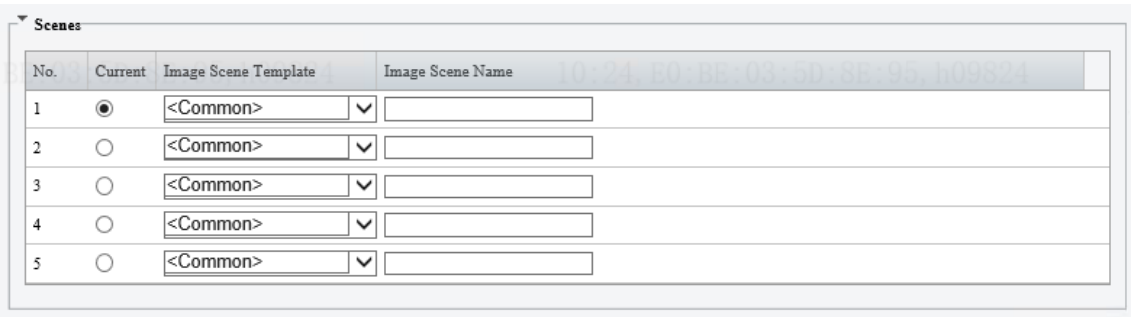
2. Set the image scenes.

   There are 4 preset scenes for the door station, and the image parameters of each scene are different. After a scene mode is selected, image parameters are automatically switched.

   You can adjust the scene parameters as needed.

   Up to 5 scenes are allowed (include custom scene).

   Figure 11-47: Scene



   (1) Select the scene you want to use.

   (2) Select the scene mode.

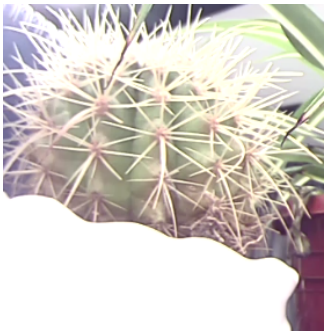
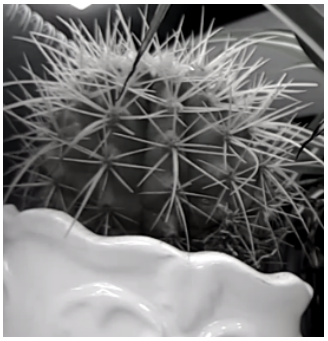
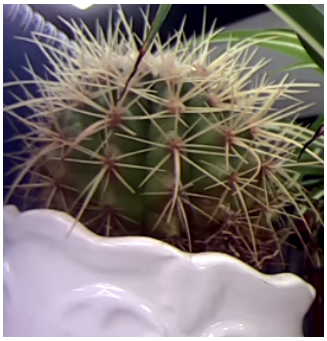
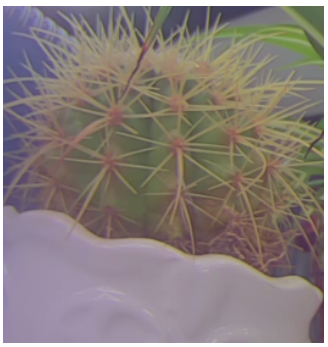
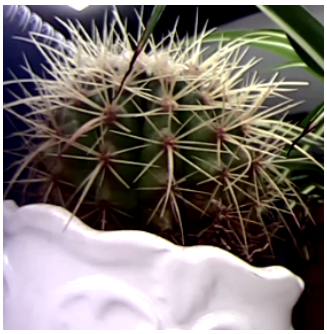
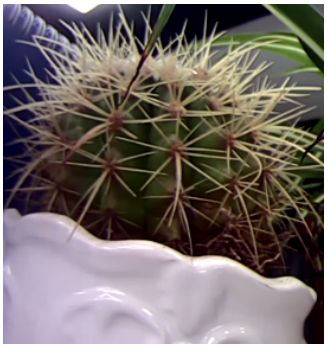
   - Common: Recommended for outdoor scenes.
   - Indoor: Recommended for indoor scenes.
   - Test: Recommended for test scenes.
   - Custom: Set a scene as needed.

   (3) Set the image scene name, which will be used in Image Scene Switch.

3. Set the image enhancement, exposure, smart illumination, and white balance parameters in turn.

   Note:

   - Image enhancement parameters range: [0-225]. Default: 128.
   - To restore default settings under all the tabs, click **Default** in the upper right corner.

<table>
<tr><th colspan="2">Parameter</th><th>Description</th></tr>
<tr><td rowspan="6">Image Enhancement</td><td rowspan="2">Brightness</td><td>The overall lightness or darkness of the image.</td></tr>
<tr><td>  Low brightness  High brightness</td></tr>
<tr><td rowspan="2">Saturation</td><td>The intensity or vividness of colors in the image.</td></tr>
<tr><td>  Low saturation  High saturation</td></tr>
<tr><td rowspan="2">Contrast</td><td>The black-to-white ratio in the image, that is, the gradient of color from black to white.</td></tr>
<tr><td>  Low contrast  High contrast</td></tr>
<tr><td rowspan="2">Sharpness</td><td>The definition of edges in the image.</td></tr>
<tr><td>  Low sharpness  High sharpness</td></tr>
</table>

Parameter		Description
	2D Noise Reduction	Reduce noise by individually analyzing each frame, which may cause image blur.
	3D Noise Reduction	Reduce noise by analyzing the difference between successive frames, which may cause image smearing or ghosting.
Exposure	Exposure Mode	Select the exposure mode from the drop-down list to achieve the desired exposure effect. • Automatic: The door station automatically adjusts the exposure parameters based on the environment. • Custom: User can set exposure parameters as needed. • Shutter Priority: The device adjusts shutter as priority to adjust the image quality. • Indoor 50Hz/60Hz: Reduce stripes by limiting shutter frequency. • Manual: Fine-tune image quality by setting shutter and gain manually.
	Shutter(s)	Shutter is used to control the light that comes into the door station's lens. A fast shutter speed is ideal for scenes in quick motion. A slow shutter speed is ideal for scenes that change slowly. **Note:** • This parameter is configurable when **Exposure Mode** is set to **Manual**. The minimum and maximum time can be configurable when **Exposure Mode** is set to **Custom**. • If **Slow Shutter** is disabled, the reciprocal of the shutter speed must be greater than the frame rate.
	Gain	Control image signals so that the device can output standard video signals in different light conditions. **Note:** This parameter is configurable when **Exposure Mode** is set to **Manual** or **Custom**. The minimum and maximum gain value can be configurable when **Exposure Mode** is set to **Custom**.
	Slow Shutter	When enabled, the device can improve image brightness in low light conditions.
	Slowest Shutter	Set the slowest shutter speed for exposure.
	Compensation	Adjust the compensation value as required to achieve the desired image effect. The valid range is -100 to 100. The default is 0. **Note:** This parameter is configurable when **Exposure Mode** is not set to **Manual**.
	Metering Control	Set how the door station measures the intensity of light. • Center-Weighted Average Metering: Measure light mainly in the central part of the image. • Evaluative Metering: The device measures light mainly in the central part of the image. • Face Metering: The device adjusts the image quality in poor lighting or backlighting conditions by controlling the brightness of captured faces in face scenes. • Smart Metering: The device obtains an accurate exposure by weighting according to the exposure and importance of each area on the whole image.

Parameter		Description
		Note: This parameter is configurable when **Exposure Mode** is not set to **Manual**.
	Day/Night Mode	• Automatic: The device automatically switches between day mode and night mode according to the ambient lighting condition to output optimum images. • Day: The device outputs high-quality images in daylight conditions. • Night: The device outputs high-quality images in low-light conditions. • Input Boolean: The device switches between day mode and night mode according to the Boolean value input from a connected third-party. If alarm type is set to **N.O.**, the device is on the day mode; if the alarm type is set to **N.C.**, the device is on the night mode.
	Day/Night Sensitivity	Light threshold for switching between day mode and night mode. A higher sensitivity value means that the device is more sensitive to the change of light and is therefore more easily to switch between day mode and night mode. **Note:** This parameter is configurable when **Night Mode** is not set to **Manual**.
	Day/Night Switching(s)	Set the length of time before the camera switches between day mode and night mode after the switching conditions are met. **Note:** This parameter is configurable when **Day/Night Mode** is set to **Automatic**.
	WDR	Enable WDR to ensure clear images in high contrast conditions. **Note:** This parameter is configurable when **Exposure Mode** is not set to **Manual**.
	WDR Level	When WDR is enabled, you can adjust the WDR level to improve image quality. The valid range is 1 to 9. The default is 5. **Note:** In the case of low contrast, it is recommended to disable WDR or use level 1 to 6. Level 7 or higher is recommended if there is a high contrast between the bright and dark areas in the scene.
	WDR Open/Close Sensitivity	When **WDR** is set to **Automatic**, adjust the parameter to change the WDR switching sensitivity. The valid range is 1 to 9. The default is 5.
Smart Illumination	Illumination Mode	Infrared: The device uses infrared light illumination.
	Control Mode	Overexposure Restrain: The device automatically adjusts illumination brightness and exposure to avoid regional overexposure.
	Illumination Level	Default: 500. The greater the value, the higher the intensity.
White Balance	White Balance	• Auto/Auto 2: Automatically adjust the red and blue gains according to the lighting conditions. If there are still color casts in **Auto** mode, try **Auto 2** mode. • Outdoor: Recommended for outdoor scenes where the color temperature varies widely. • Fine Tune: Allows user to manually adjust red and blue offsets.

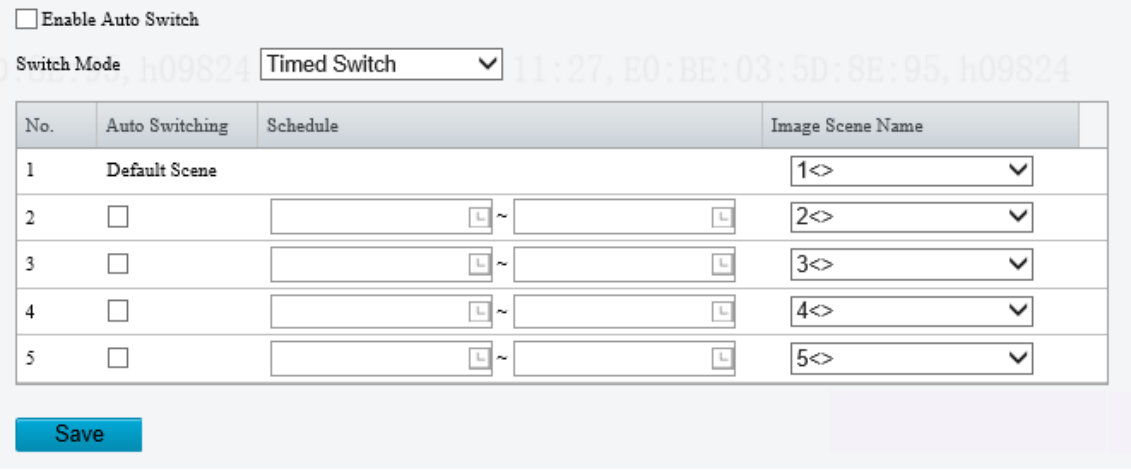
Parameter		Description
		• Fine Tune (Base on night mode): Allows user to adjust red and blue offsets manually to adapt to poor lighting conditions. • Sodium Lamp: Automatically adjust the red and blue gains for optimal color reproduction in sodium light sources. • Locked: Keep the current color temperature.
	Red/Blue Offset	Adjust the red offset or blue offset manually. **Note:** This parameter is configurable when **White Balance** is set to **Fine Tune**.

11.5.4.1.2 Image Scene Switch

Add scenes configured in Image to the **Auto Switching** column. When the system is in the set time period, the device will automatically switch to corresponding image scene. Otherwise, it will keep the default scene.

1. Go to **Setup** > **Image** > **Image > Image Scene Switch**.

Figure 11-48: Image Scene Switch



2. Select **Enable Auto Switch**.
3. Select a time template. You need to configure it in Time Template.
4. Set the time period.

Note: Up to 5 time periods are allowed (include default scene). The time periods cannot overlap.

(1) Select the time period.

(2) Set the start and end time.

(3) Choose a scene for each period. The scene name can be configured in Image.

5. Click **Save**.

11.5.4.2 OSD

See OSD for details.

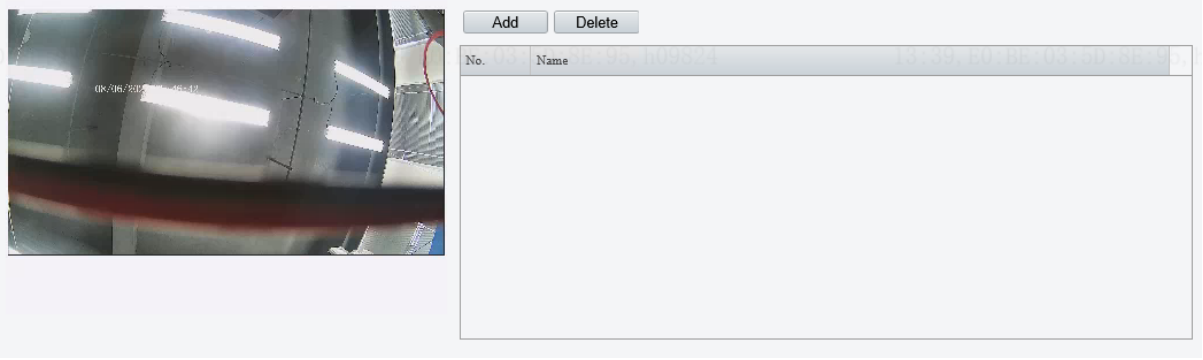
11.5.4.3 Privacy Mask

Privacy mask is used to cover certain areas on the image for privacy.

Note: Up to 4 privacy areas are allowed, and their names are respectively Mask 1, Mask 2, Mask 3, and Mask 4.

Go to **Setup** > **Image** > **Privacy Mask**.

Figure 11-49: Privacy Mask



Add

1. Click **Add**, and then a rectangle mask appears on the left image.
2. Set the privacy area.
   (1) Double-click the image on the left to play it in full screen.
   (2) Select a privacy mask, and set the size of the mask as the following two ways.
   - Drag the rectangle to the desired position, point to a handle of the mask and drag to resize it.
   - Long press the left mouse button and drag it to draw a privacy mask.

   (3) Double-click the image again or press **Esc** to exit full screen.
3. (Optional) To add multiple privacy areas, please follow the step 2 and step 3.

Delete

To delete a privacy mask, select the mask from the right list, and then click **Delete**.

11.5.5 Intelligent

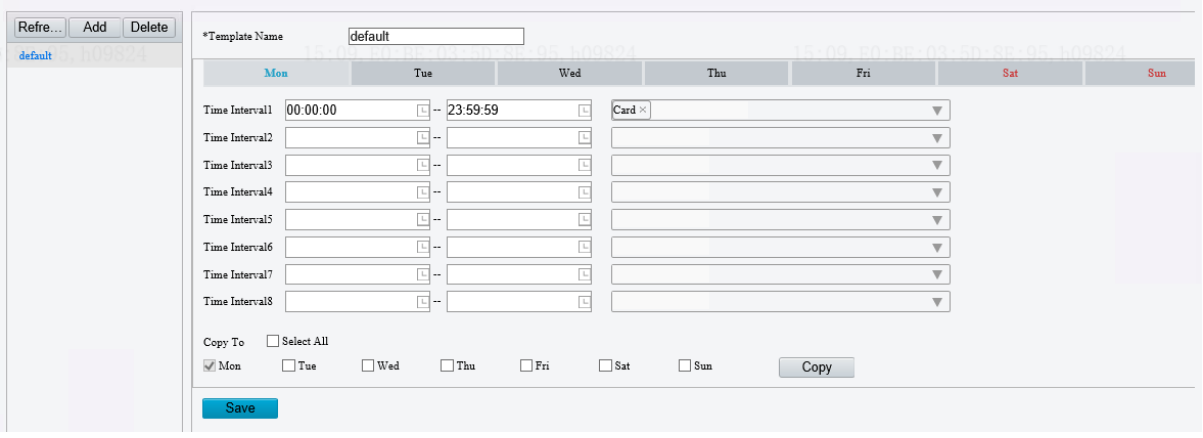
11.5.5.1 Check Template

Set authentication modes for different time periods in a week for different scenarios.

You can add, edit, and delete check templates.

Go to **Setup** > **Intelligent** > **Check Template**.

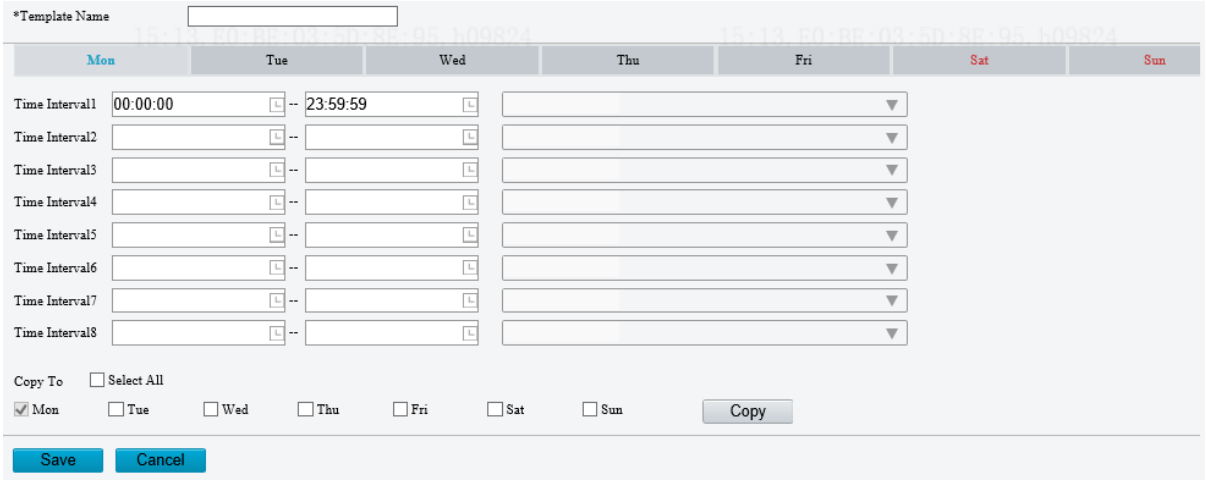
Figure 11-50: Check Template



Add

1. Click **Add**, an empty template appears on the right.

Figure 11-51: Empty Check Template



2. Enter the template name with 1 to 20 characters, including uppercase and lowercase letters, digits, underscores, and hyphens.
3. Set the time interval.

   Note: Up to 8 periods are allowed, and periods cannot overlap.
4. Set authentication modes.
5. (Optional) Repeat the above steps and complete the settings for other six days. To apply the current settings to other days, select the check box(es) for the days and then click **Copy**.
6. Click **Save** to complete the settings.

Edit

1. Select the template to be edited on the left, and then edit the settings.
2. After completing the settings, click **Save**.

Delete

Note: The default template cannot be deleted.

1. Select the template to be deleted on the left.
2. Click **Delete**, and then click **OK** to delete it.

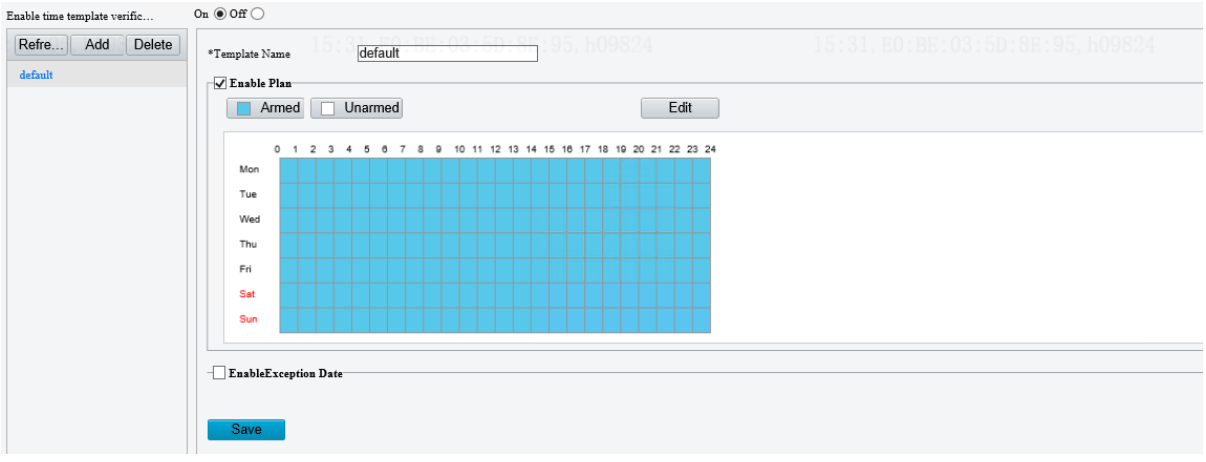
11.5.5.2 Time Template

Set time periods for an arming schedule in a week.

You can add, edit, and delete time templates.

Go to **Setup** > **Intelligent** > **Time Template**.

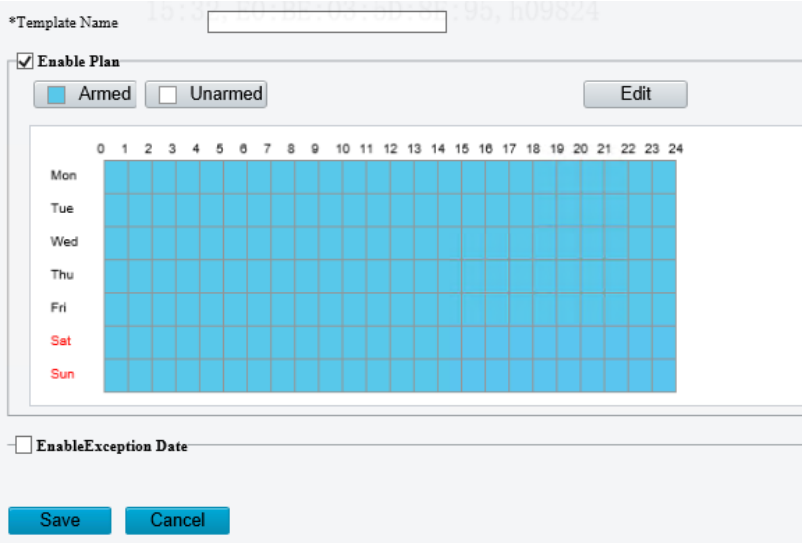
Figure 11-52: Time Template



Add

1. Click **On** to enable time template verification.
2. Click **Add**, an empty template appears on the right.

Figure 11-53: Empty Time Template



3. Enter the template name with 1 to 20 characters, including uppercase and lowercase letters, digits, underscores, and hyphens.
4. Select **Enable Plan**.
5. Set the arming schedule. The following two ways are available.

Note: The default arming schedule is 24/7.

- Use the blue and white grids (minimum editable unit: hour).

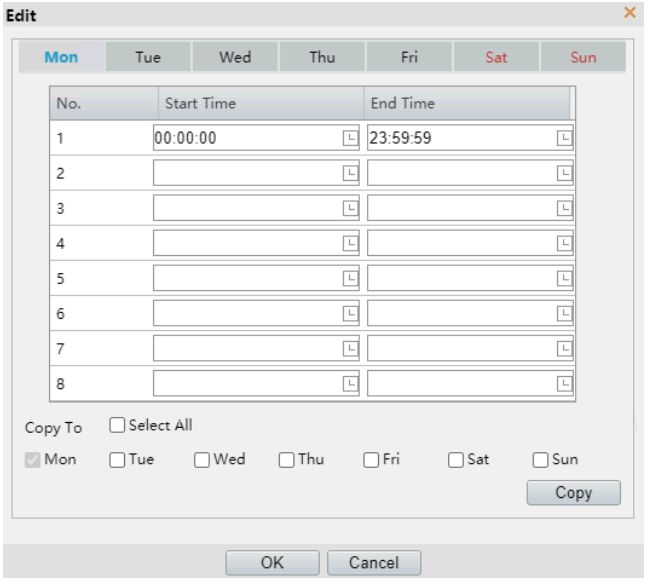
  Click Unarmed, and select blue grids to delete time periods.

  Click Armed, and select white grids to add time periods.

- Use the **Edit** button (minimum editable unit: second).

  (1) Click **Edit**. The **Edit** page appears.

Figure 11-54: Edit



  (2) Set the time periods for the current day. Up to 8 time periods are allowed and periods cannot overlap.

  (3) (Optional) Repeat the above steps and complete the settings for other six days. To apply the current settings to other days, select the check box(es) for the days and then click **Copy**.

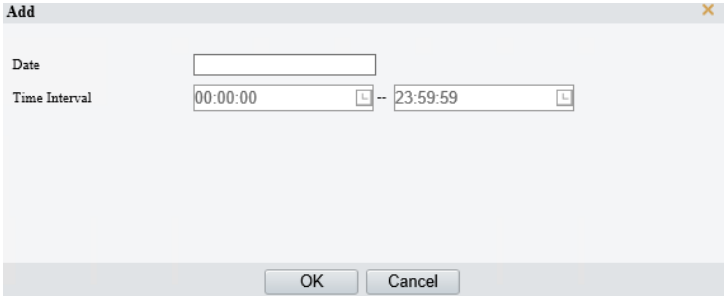
(4) After completing the settings, click **Save**.

6. (Optional) You can set the exception date to cancel the arming schedule.

   (1) Select **Enable Exception Date**.

   (2) Click **Add**.

   Figure 11-55: Add Exception Date



   (3) Set the exception date and time period.

   (4) Click **OK**.

7. Click **Save**.

Edit

1. Select the template to be edited on the left, and then edit the settings.
2. Click **Save**.

Delete

Note: The default template cannot be deleted.

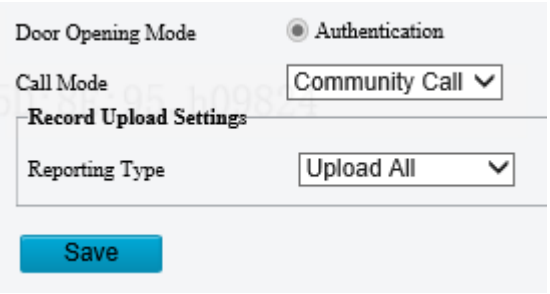
1. Select the template to be deleted on the left.
2. Click **Delete**, and then click **OK** to delete it.

11.5.5.3 Advanced Settings

You can view door opening mode and call mode, and set the authentication records to be uploaded by the device.

1. Go to **Setup** > **Intelligent** > **Advanced Setting**.

   Figure 11-56: Advanced Settings



2. Configure the authentication record type.
   - Upload All: The device reports all authentication records including success and failure records to the intelligent server.
   - Upload Success Record: The device only reports authentication success records to the intelligent server.
3. Click **Save**.

11.5.6 Events

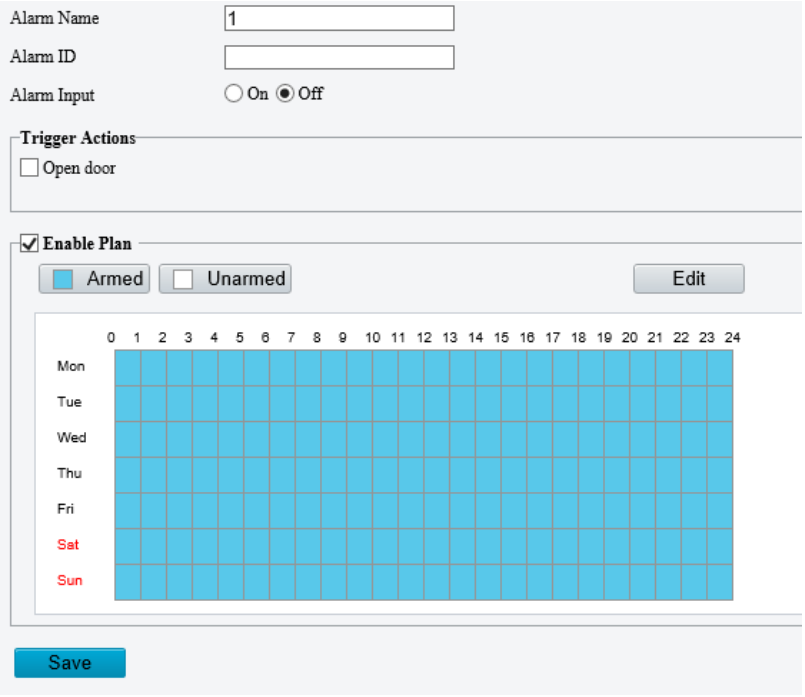
The trigger actions supported may vary with device model.

11.5.6.1 Fire Alarm

A fire alarm occurs when the connected external device detects fire.

1. Go to **Setup** > **Events** > **Fire Alarm**.

   Figure 11-57: Fire Alarm



2. Set the alarm name (default: 1, only 0 and 1 can be displayed), and alarm ID.
3. Enable **Alarm Input**, and then the device can receive fire alarms; otherwise, the device cannot receive fire alarms.
4. Select alarm-triggered actions as needed. When a fire alarm occurs, the station can send door opening signal to the connected device.
5. Select **Enable Plan**. Only during the set arming periods can the alarm be reported and the alarm actions be triggered.
6. Set the arming schedule.

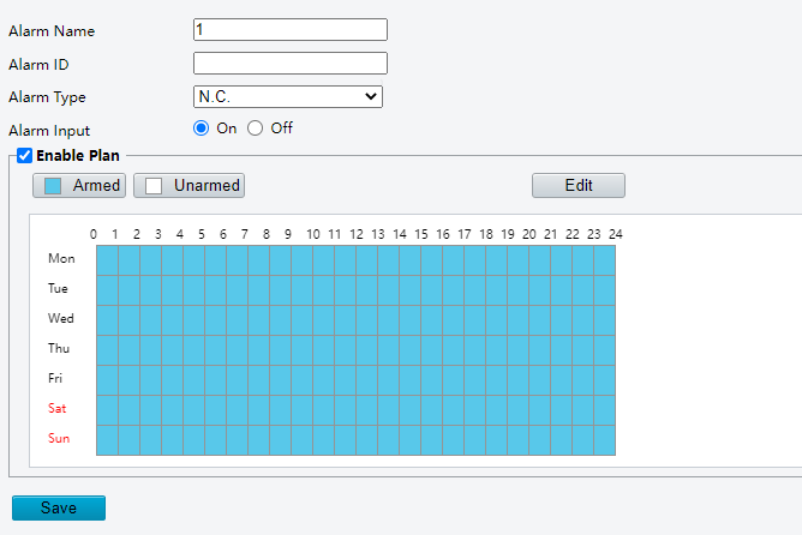
   The default arming schedule is 24/7. To change the schedule, see Time Template.
7. Click **Save**.

11.5.6.2 Tamper Alarm

If the device is disassembled, the tamper button will be triggered and the device will report a tamper alarm.

1. Go to **Setup** > **Events** > **Tamper Alarm**.

Figure 11-58: Tamper Alarm



2. Set the alarm name (default: 1, only 0 and 1 can be displayed), and alarm ID.
3. Choose the alarm type to **N.O.** or **N.C.**. The default is **N.O.**.
4. Enable **Alarm Input**, and then the device can receive fire alarms; otherwise, the device cannot receive fire alarms.
5. Select **Enable Plan**. Only during the set arming periods can the alarm be reported.
6. Set the arming schedule.

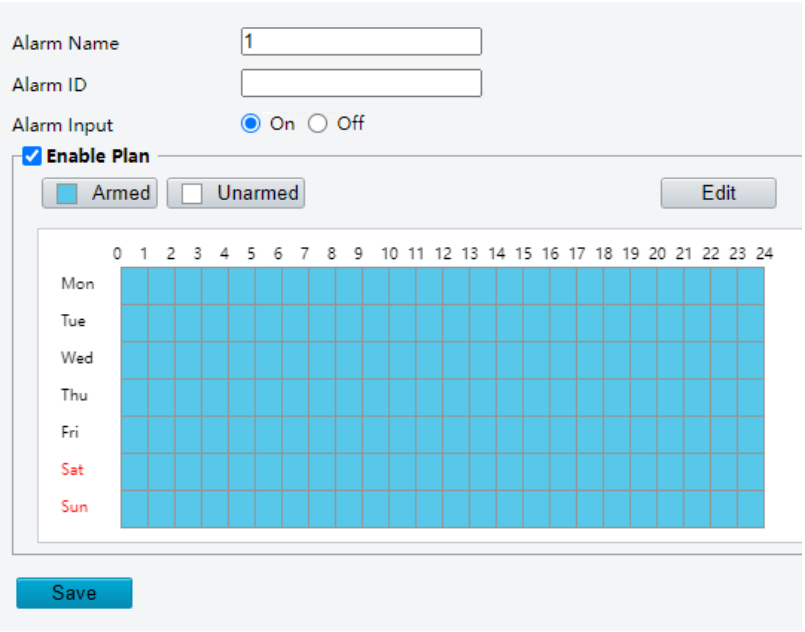
   The default arming schedule is 24/7. To change the schedule, see Time Template.
7. Click **Save**.

11.5.6.3 Door Magnet Alarm

When a door magnet is connected to the device, it can receive door magnet alarms.

1. Go to **Setup** > **Events** > **Door Magnet Alarm**.

Figure 11-59: Door Magnet Alarm



2. Set the alarm name (default: 1, only 0 and 1 can be displayed), and alarm ID.
3. Enable **Alarm Input**, and then the device can receive door magnet alarms; otherwise, the device cannot receive door magnet alarms.
4. Select **Enable Plan**. Only during the set arming periods can the alarm be reported.

5. Set the arming schedule.

   The default arming schedule is 24/7. To change the schedule, see Time Template.

6. Click **Save**.

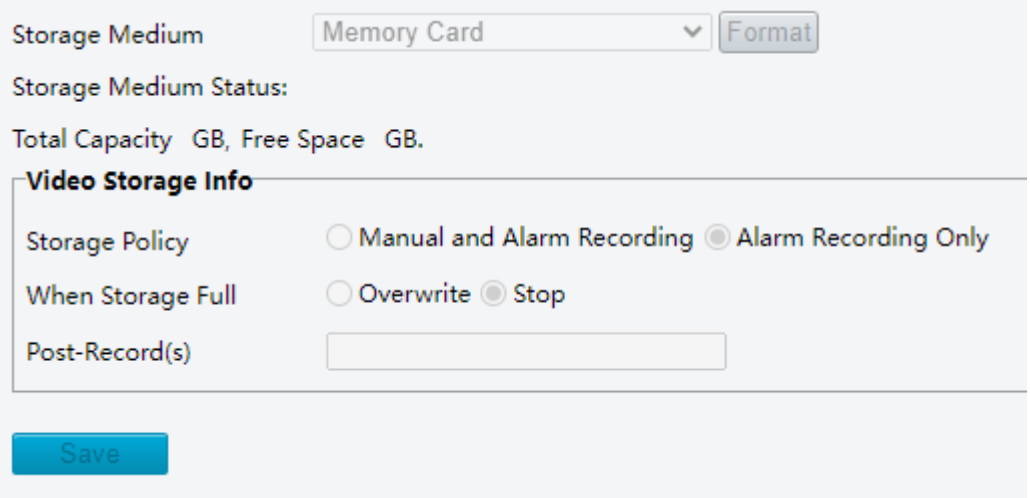
11.5.7 Storage

The door station has no memory card by default. After a memory card is inserted into the device, you can format the card, view the card status and capacity, and configure video storage parameters.

Note: This function is only available to the indoor station.

1. Go to **Setup** > **Storage** > **Storage**.

   Figure 11-60: Storage



2. (Optional) To format the memory card, set **Storage Medium** to **Memory Card**, and click **Format**.
3. Set the storage parameters.

Parameter	Description
Storage Policy	• Manual and Alarm Recording • Alarm Recording Only
When Storage Full	The storage policy when the storage is full. • Overwrite: When the storage is full, the new data overwrites the oldest data. • Stop(default): When the storage is full, the device stops saving new data.
Post-Record(s)	The duration of video to be recorded after an alarm. The device continues to record video after an alarm occurs.

4. Click **Save**.

11.5.8 Security

11.5.8.1 User

See User for details.

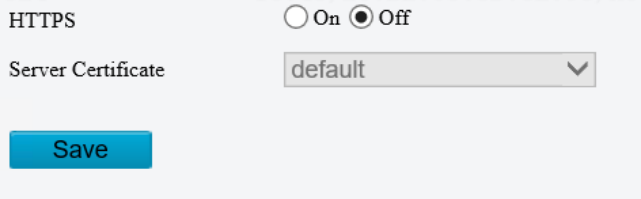
11.5.8.2 Network Security

11.5.8.2.1 HTTPS

HTTPS is a secure version of the HTTP protocol that uses SSL protocol to authenticate both a client and a server, and encrypt data during transmission to prevent data from being stolen or altered, enhancing data security.

1. Go to **Setup** > **Security** > **Network Security** > **HTTPS**.

Figure 11-61: HTTPS



2. Enable **HTTPS**.
3. Click **Browse**, locate the SSL certificate, and click **Upload**.

Note:

- An SSL certificate is issued by the Certificate Authority after verifying that the server is reliable and compliant with the SSL protocol. It is used to activate SSL protocol (an Internet protocol used for authentication and encryption), transmit encrypted data between client and server so that it cannot be leaked and tampered with, and confirm the reliability of the server.

  An SSL certificate includes a public key (for encryption) and private key (for decryption).
- Put the RSA public key and private key in one pem file, and then import.

4. Click **Save**.

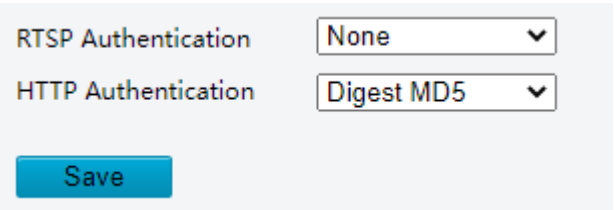
11.5.8.2.2 Authentication

Authentication refers to the procedure of identifying clients. Only after successful authentication can the data be transmitted based on the protocol, improving the security of data transmission.

- RTSP Authentication: Transmits audio and video data in real time through the RTSP protocol. It establishes a two-way connection between the server and the client, and controls either a single or several streams of continuous media such as audio and video for a long time.
- HTTP authentication: Transfers data as a file via the HTTP protocol. It establishes a one-way connection between the client and the server, and the connection will end after the server responds to the request from the client. The connection will be re-built to transfer data if there is a new request.

1. Go to **Setup** > **Security** > **Network Security** > **Authentication**.

Figure 11-62: Authentication



2. Choose an authentication mode.

Parameter	Description
RTSP Authentication	Choose an authentication mode from the drop-down list, including **None**, **Basic**, **Digest MD5**, and **Digest SHA256**. • None: Transmits data without authentication. • Basic: Authentication information is transferred in plaintext without encryption, which imposes serious security risks. • Digest: Authentication information is encrypted to provide higher security. Digest SHA256 provides higher security than Digest MD5.
HTTP Authentication	Choose an authentication mode from the drop-down list, including **None**, **Digest MD5**, and **Digest SHA256**.

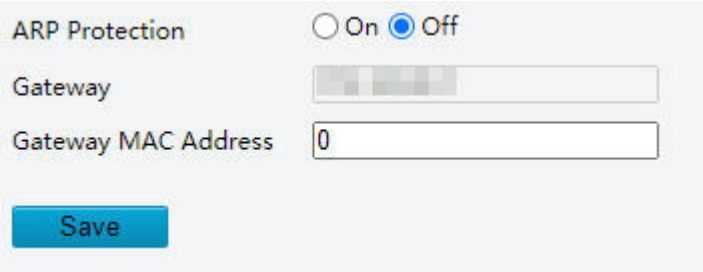
3. Click **Save**.

11.5.8.2.3 ARP Protection

ARP attack mainly exists in local area network, which forges IP address and physical address (MAC address) to achieve ARP spoofing, causing communication failures among devices within the local area network. Configure ARP protection, and the device will verify the physical address (MAC address) of the access source, so as to avoid ARP spoofing attacks.

1. Go to **Setup** > **Security** > **Network Security** > **ARP Protection**.

   Figure 11-63: ARP Protection

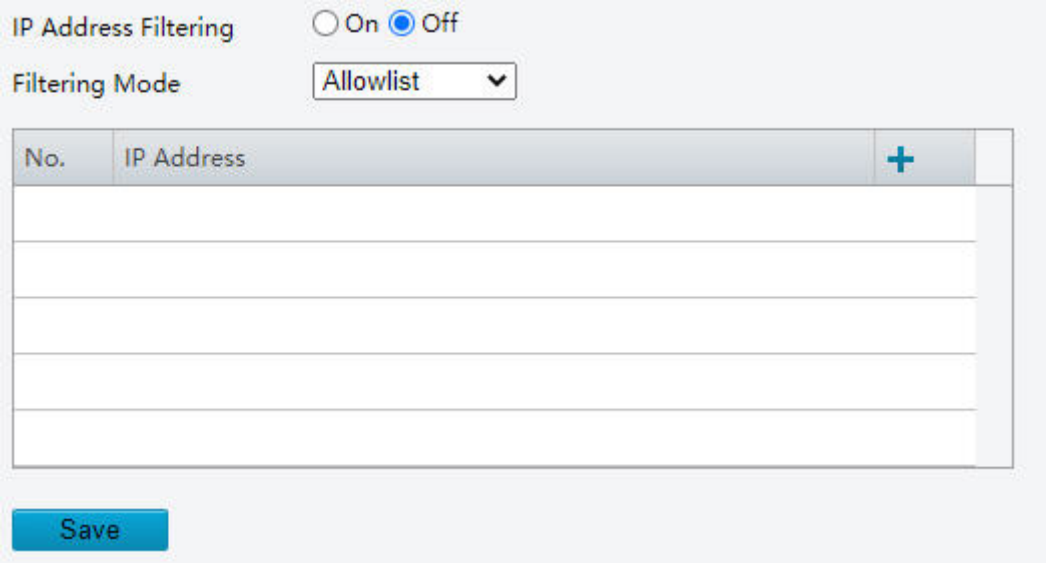
2. Enable **ARP Protection**.
3. Enter the gateway's physical address (legal MAC address).
4. Click **Save**.

11.5.8.2.4 IP Address Filtering

Use IP address filtering to allow or forbid access from specified IP addresses.

1. Go to **Setup** > **Security** > **Network Security** > **IP Address Filtering**.

   Figure 11-64: IP Address Filtering

2. Enable **IP Address Filtering**.
3. Select the filtering mode from the drop-down list. If **Allowlist** is selected, only the added IP addresses are allowed to access the device. If **Deny Access** is selected, then only the added IP addresses cannot access the device.
4. Click **+**, and enter IP address(es).
   - Up to 32 IP addresses can be added. Duplicate addresses are not allowed.
   - The first byte of the IP must be 1 to 233, and the fourth byte cannot be 0. Invalid IP addresses such as 0.0.0.0, 127.0.0.1, 255.255.255.255, and 224.0.0.1 are not allowed.
5. Click **Save**.

11.5.8.2.5 Access Policy

Configure access policy to protect the device from illegal use or illegal access.

The access policy includes MAC authentication, illegal login lock, and session timeout. The session timeout is disabled by default.

1. Go to **Setup** > **Security** > **Network Security** > **Access Policy**.

   Figure 11-65: Access Policy

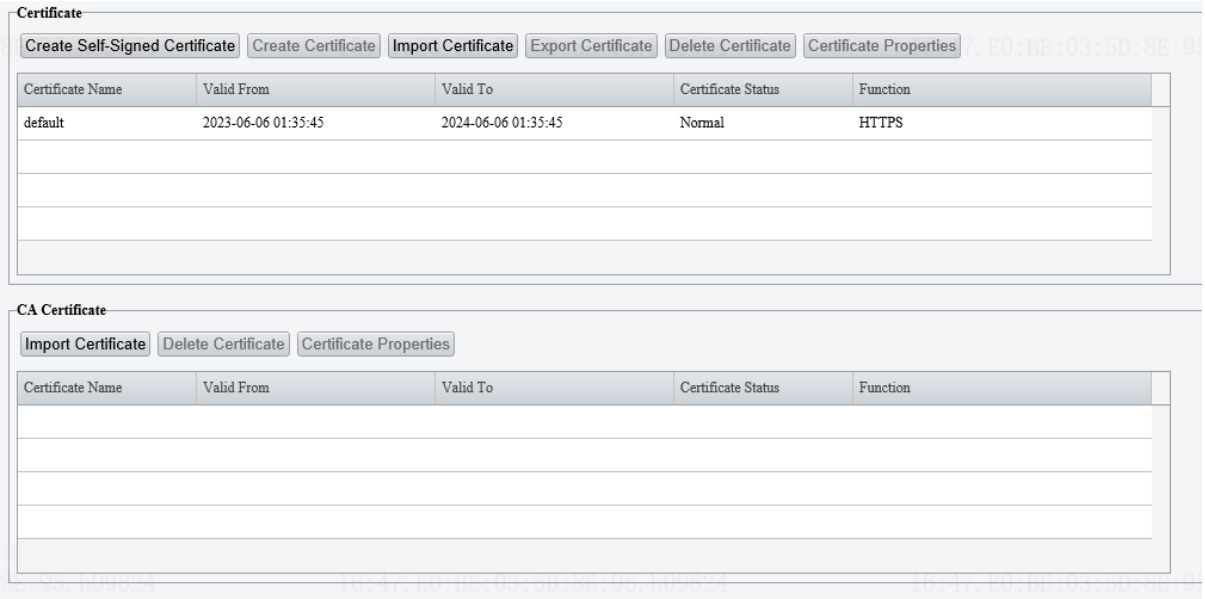
2. Configure parameters of MAC authentication, illegal login lock and session timeout. The following shows the description.
   - MAC Authentication: When enabled, access is allowed only if the Mac address is authenticated successfully, which has higher security; When disabled, access is allowed for any Mac address, which poses security risks.
   - Illegal Login Lock: If the client IP address is not on the blocklist, the input username is correct, but the input password is wrong, it is an illegal login attempt. User can try to log in again after setting the lock time.
     - Illegal Login Limit: The maximum number of illegal login attempts allowed. Range: [2-10], integer only. Default: 5.
     - Lock Time (min): The account is locked when the lock time is reached. Range: [1-120], integer only. Default: 5.
   - Session Timeout: When enabled, if the client cannot obtain or save configurations within the set time, the user will automatically log out. To user the account, the user need to log in again. Range (min): [1-120], integer only. Default: 120.
3. Click **Save**.

11.5.8.2.6 Certificate Management

A certificate is an electronic file that uniquely represents individuals and resources on the Internet and enables secure and confidential communications between the two entities. On the **Certificate Management** interface, you can set different servers, create CA certificates, view certificate properties, etc.

Go to **Setup** > **Security** > **Network Security** > **Certificate Management**.

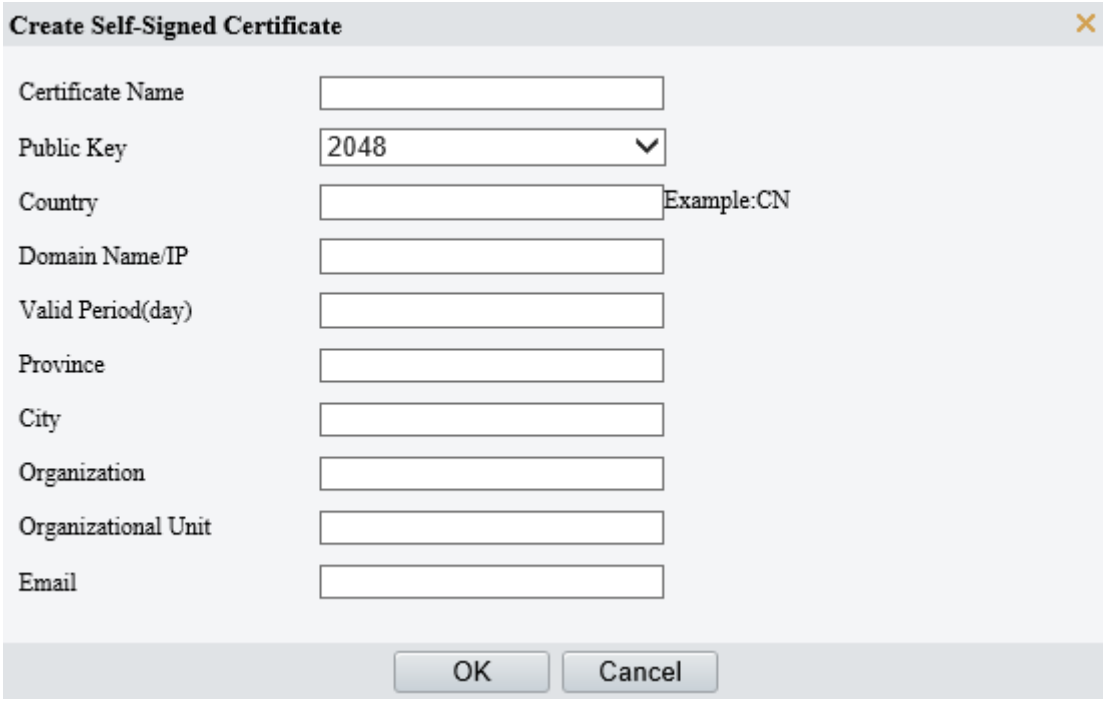
Figure 11-66: Certificate Management



Add Certificate

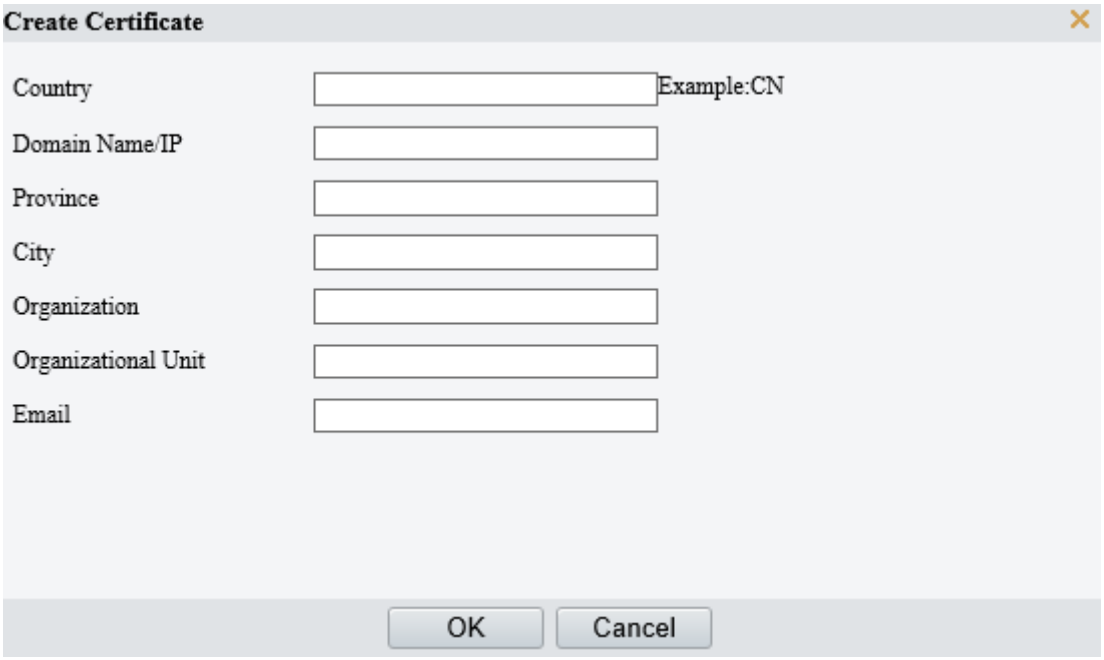
- Self-signed certificate: It is a digital certificate issued by an untrusted certificate authority (CA), that is, created, issued, and signed by a company or software developer. It is suitable for application scenarios with low security requirements.

  Figure 11-67: Create Self-Signed Certificate



- Certificate: It is used to apply the self-signed certificate or imported certificate to be a CA certificate, which is suitable for application scenarios with high security requirements.

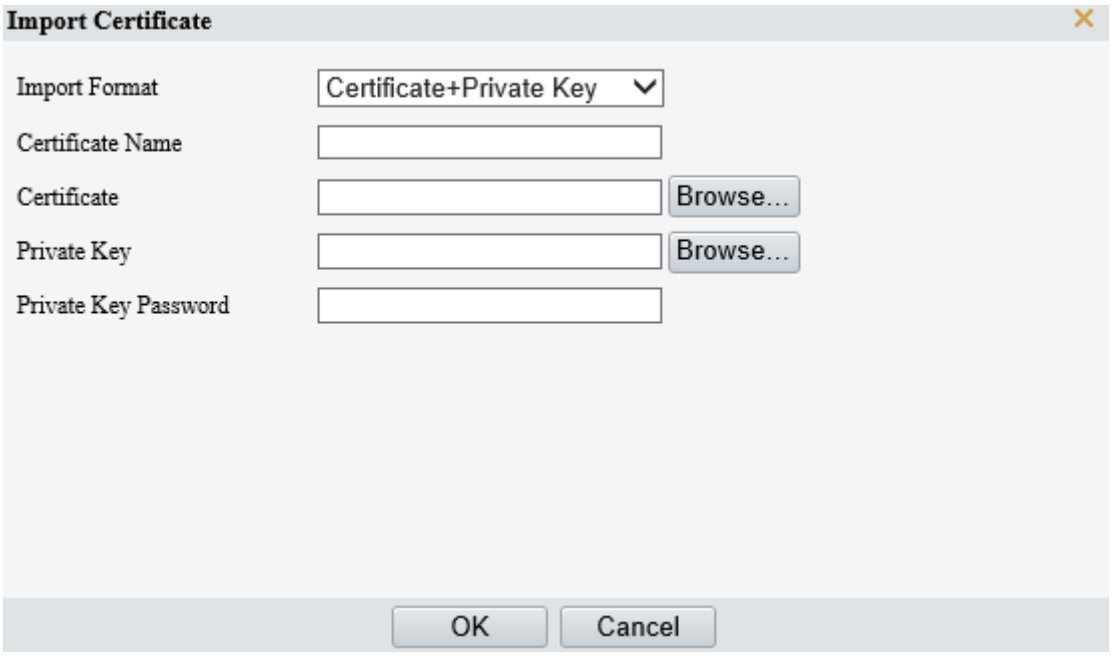
Figure 11-68: Create Certificate



Note: After the certificate request is created, export the certificate request file. After the certificate authority (CA) signs and issues a certificate in accordance with the request, import the certificate into the device.

- Import Certificate: A non-CA certificate can be imported.

Figure 11-69: Import Certificate



- CA Certificate: CA, an authority to issue certificate, is the core of the public key infrastructure. It can sign and issue certificates, and manage certificates issued. A CA certificate is a self-signed certificate issued by an untrusted certificate authority (CA) and thus is more secure and reliable.

Figure 11-70: Import Certificate

Delete Certificate

A certificate that is in use cannot be deleted.

Export Certificate

Click **Export Certificate** to save the certificate to your computer.

Certificate Properties

Select a certificate to view its properties.

11.5.9 System

11.5.9.1 Time

See Time for details.

11.5.9.2 Ports & Devices

Note: This function is only available to the door station.

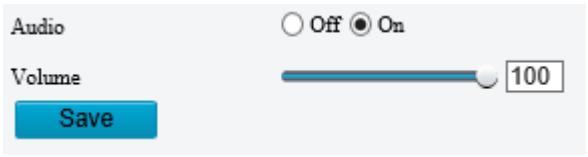
11.5.9.2.1 Volume Control

Configure the volume of the door station.

Note: You may also configure the volume on the screen. See Live View for details.

1. Go to **Setup** > **System** > **Ports & Devices** > **Volume Control**.

   Figure 11-71: Volume Control

2. Select whether to turn audio off. If **Turn Audio Off** is disabled, you can adjust the volume.

   Range: [1-100], integer only. Default: 100.

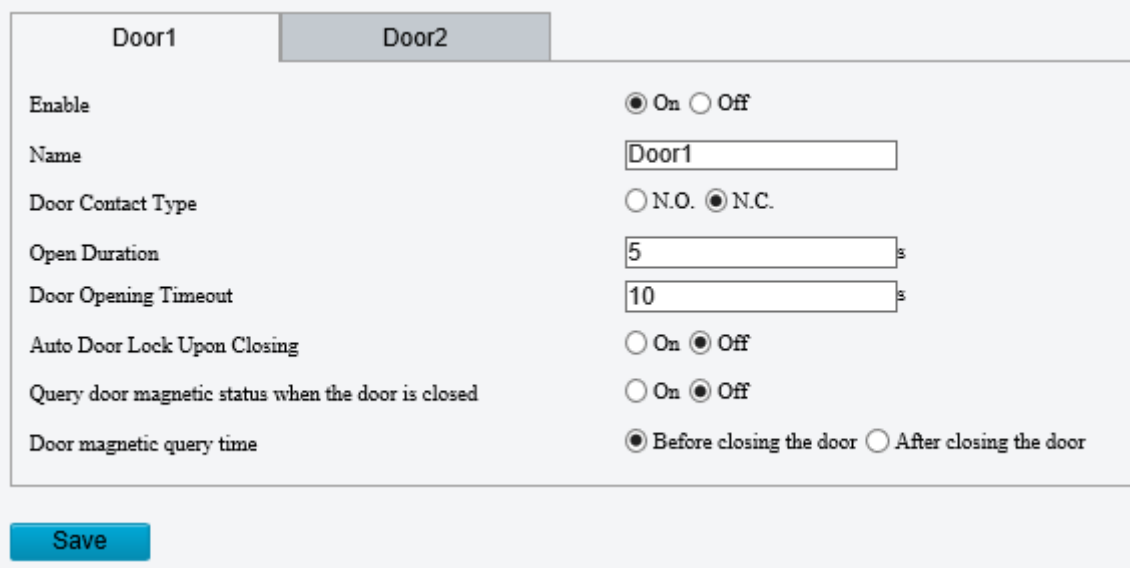
3. Click **Save**.

11.5.9.2.2 Door Configuration

Configure the door that is physically connected to the door station.

1. Go to **Setup** > **System** > **Ports & Devices** > **Door Configuration**.

   Figure 11-72: Door Configuration



2. Enable Door1.
3. Configure door parameters.
   - Name: **Door 1** by default. It can be named as needed, and must be unique.
   - Door Contact Type: Set it to **N.O.**, otherwise this function cannot be used.
   - Door Opening Timeout (s): The door lock automatically locks when the closing time exceeds the set time and the door magnet detects that the door is closed in place.

     Range: [1-300]s, integer only. Default: 10s.

     Note:
     - To use this function, enable **Auto Door Lock Upon Closing** first.
     - Set an appropriate value according to the actual situation, otherwise a short timeout may affect door opening.
   - Auto Door Lock Upon Closing
     - On: The door lock automatically locks when the door closing time exceeds the set **Door Opening Timeout** and the door magnet detects that the door is closed in place.
     - Off: The door lock locks after the set pulse width.
   - Query door magnetic status when the door is closed: Check if the door has door magnet.
   - Door magnetic query time: For the door with door magnet, set **Door Magnetic Query Time** to **Before closing the door** or **After closing the door** based on the actual door lock type. If the door magnet is closed, it means that the door is locked.

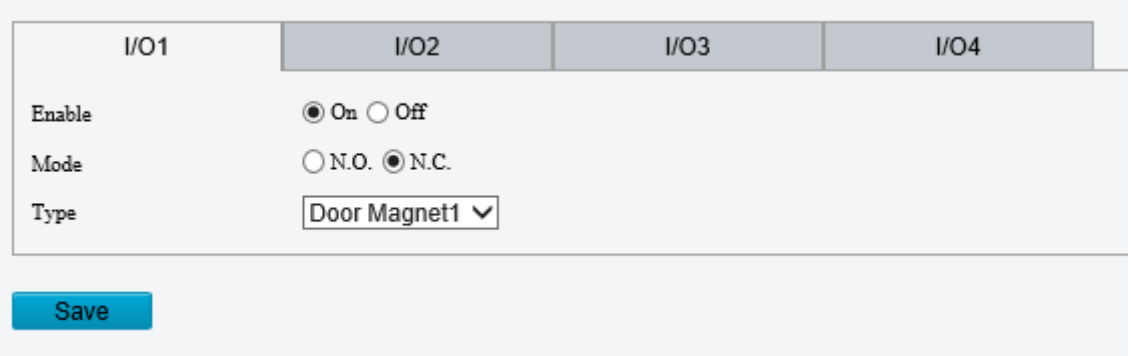
     Note: To use this function, enable **Query door magnetic status when the door is closed** first.
4. To enable the second door, click the **Door2** tab, enable Door2, and configure other parameters as the above description.
5. Click **Save**.

11.5.9.2.3 I/O Input

Configure the door magnet and door button that are physically connected to the door station, and corresponding fire alarm.

1. Go to **Setup** > **System** > **Ports & Devices** > **I/O Input**.

Figure 11-73: I/O Input



2. Enable **I/O1**.
3. Set the mode to **N.O.**, otherwise the door station cannot receive the input signal.
4. Select the I/O type. By default, the type of I/O1 and I/O2 is door magnet, while the type of I/O3 and I/O4 is door button.

   Note: A door station can connect 2 door magnets or 2 door buttons at the same time. Only one fire alarm is supported. The type must be unique for each I/O input.
5. Click **Save**.

11.5.9.3 Maintenance

11.5.9.3.1 Maintenance

System maintenance includes software upgrade, system configuration, diagnosis information, system restart, and custom voice.

Note:

- The device will restart if you perform operations such as software upgrade, restart, restoring default configurations, and importing configurations.
- Restarting the device will interrupt the ongoing services. Please handle with caution.

For maintenance settings on the screen, see Maintenance.

Go to **Setup** > **System** > **Maintenance**.

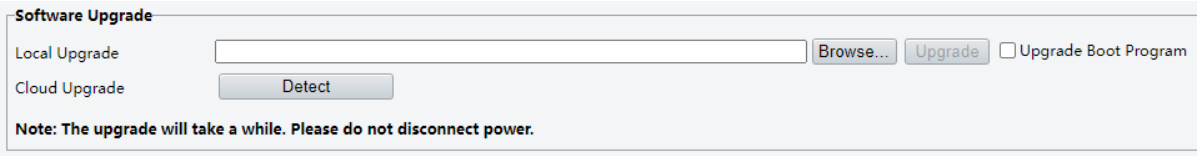
Software Upgrade

Local upgrade and cloud upgrade are available.

Note:

- Make sure the upgrade file matches the device; otherwise, unexpected problems may occur.
- The version file is a .zip file that includes all the upgrade files.
- Power must be connected throughout the upgrade.

Figure 11-74: Software Upgrade



- Local Upgrade
  1. Click **Browse**, and then select the correct upgrade file.

     Note: If applicable, select **Upgrade Boot Program**, and the boot program will also be upgraded.
  2. Click **Upgrade**. The device will restart automatically after the upgrade is completed, and then the **Login** interface is displayed.

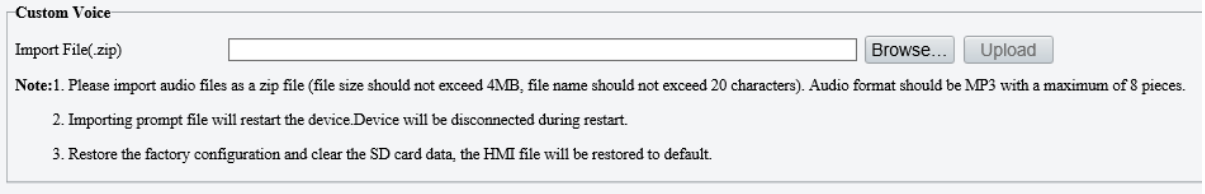
- Cloud upgrade: Click **Detect** to check for new versions. You can perform a cloud upgrade if a new version is available on the cloud server.

Custom Voice

You can import custom voice files to replace the default ones.

Note: Only available for the 1-button door station.

Figure 11-75: Custom Voice



The following shows the default voice file name and the corresponding voice content:

File Name	Voice Content
CollectFail.mp3	Collection failed.
CollectSuccess.mp3	Collection succeeded.
CounterpartyBusy.mp3	The user you are calling is busy.
ICFail.mp3	Card verification failed.
ICTips.mp3	Please swipe card.
OpenSuccess.mp3	Door opened successfully.
Refuse.mp3	The user you are calling is unavailable.
Success.mp3	Successful identification.
TimeFail.mp3	Not allowed time.
CallingFailed.mp3	Calling failed.
MsgRecBegin.mp3	Please leave a message after the beep.

To replace the default voice files, follow the steps below:

1. Change the name of the custom voice file to be the same as the name of the default voice file. Besides, the custom voice must be a MP3 file (8KHz, 16-bit, mono).
2. Compress all custom voice files into a .zip package with the file name no more than 20 characters and file size no more than 4MB.
3. Click **Browse**, and choose the package to import.
4. Click **Upload** to replace the default voice files. The device will restart after successful replacement.

System Config

You can export the current configurations of the device and save them to the local device or an external storage device. You can also restore configurations by importing an exported configuration file.

Figure 11-76: Indoor Station

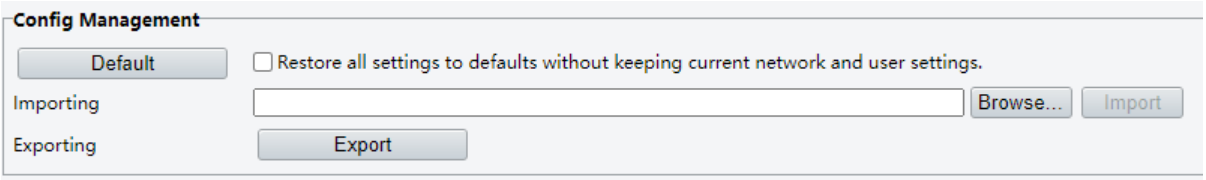
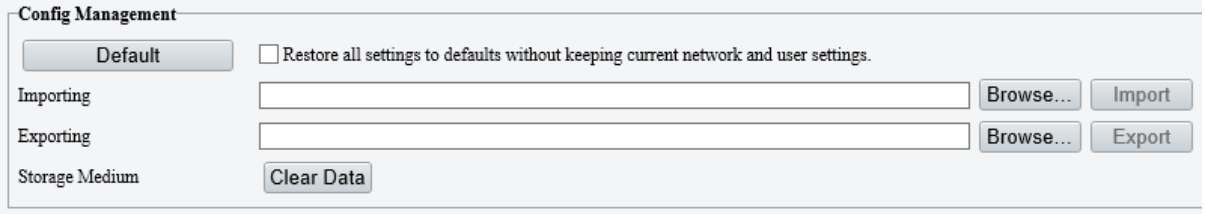


Figure 11-77: Door Station



- Default: Clicking **Default** will restore settings to defaults except the administrator login password, network settings, and system time, and then the device will automatically restart.

  To restore all settings to factory defaults, select **Restore all settings to defaults without keeping current network and user settings**.

- Import configurations

  Note: Make sure the configuration file to import matches the device model; otherwise, unexpected results may occur.

  1. Click **Browse** next to the **Import** button.
  2. Select the configuration file you want to import, and then click **Import**.
  3. Click **OK**. The device will restart after you import the configuration file.

- Export configurations
  - Indoor Station Operation
    1. Click **Export**. The **File Encryption** page appears.

       Note: The exported configuration file should be encrypted by default, and the password should be 1 to 16 common characters.

    2. Enter the encryption password, and confirm the password. Click **OK**, and then the configuration file will be automatically saved to the browser's default folder.
  - Door Station Operation
    1. Click **Browse**, and choose the destination folder.
    2. Click **Export**, enter the encryption password, confirm the password, and then click **OK**.

- Clear data: Click **Clear Data**, and then all data will be deleted.

  Note:

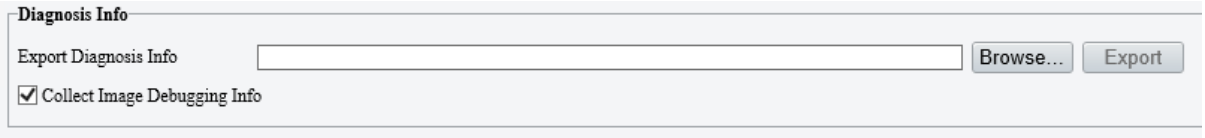
  - This function is only available to the door station.
  - Please handle with caution.

Diagnosis Info

Diagnosis information includes logs and system configurations, and you can export them to the local device.

Figure 11-78: Indoor Station

Figure 11-79: Door Station



- Indoor Station Operation: Click **Export**, and then the records will be automatically saved to the browser's default folder in .tgz format.
- Door Station Operation
  1. Click **Browse**, and choose the destination folder.
  2. (Optional) By default, **Collect Image Debugging Info** is selected. You can clear the check box as needed.

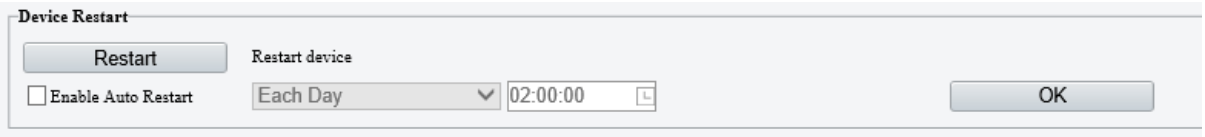
3. Click **Export**.

Device Restart

You can choose to restart the device manually or automatically.

Note: Restarting the device will interrupt the ongoing services.

Figure 11-80: Device Restart



- Restart manually: Click **Restart**, and then confirm to restart the device.
- Restart automatically:
  1. Select **Enable Auto Restart** and set the restart time.
  2. Click **OK**, and then the device will automatically restart at the set time.

Language

Set the device language, including screen language and audio language.

The default language is English. You can change the device language to **Chinese Simplified** here. To change the Web interface language, please see Change Language on the login page.

Note: This function is only available to the indoor station.

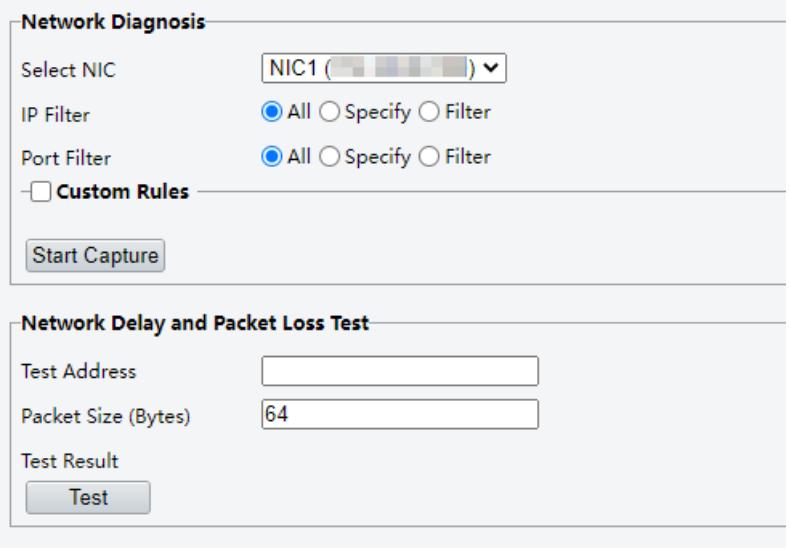
1. Select **Chinese Simplified** from the **Language** drop-down list.
2. Click **OK** to confirm the selection.

11.5.9.3.2 Network Diagnosis

Diagnose the NIC and network latency.

Go to **System** > **Maintenance** > **Network Diagnosis**.

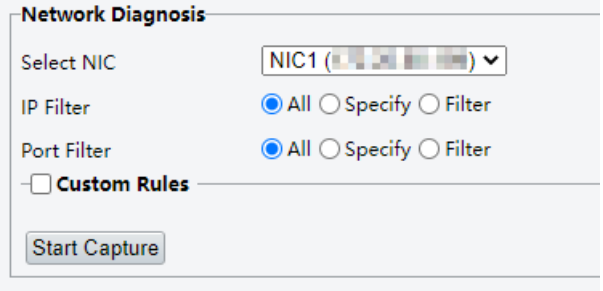
Figure 11-81: Network Diagnosis



Network Diagnosis

Check network to ensure the data packets can be transmitted and received in security.

Figure 11-82: Network Diagnosis

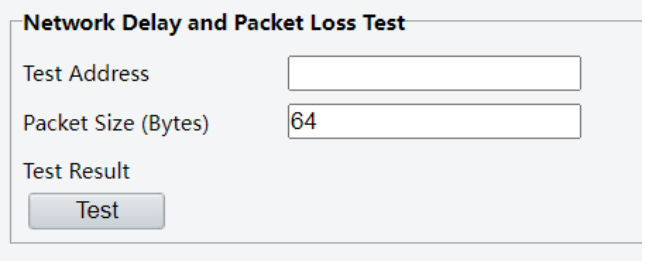


1. Select a NIC. NIC1 is the device's IP address.
2. Select an IP and port filter mode.
   - All: Capture packets of all the ports and IPs.
   - Specify: Capture packets of the specified port and IP.
   - Filter: Capture packets except that of the specified port and IP.
3. (Optional) Select **Custom Rules** and set the rules. Click to view the rules information.
4. Click **Start Capture** to start capturing packets.

Network Delay and Packet Loss Test

The system can send test packets to a test address for many times, and check if the operation is normal and network is smooth based on average delay and packet loss, which can help users to find the cause of network failures. The average delay refers to the average length of time from test packets are sent till responses are received. The packet loss rate refers to the ratio of lost packets to the sent packets.

Figure 11-83: Packet Loss Test



1. Enter the test address. It must be a valid IP address or domain name. If the address is invalid, a prompt will be displayed on the interface.
2. Enter the test packet size. It means the size of test packets to be sent. Unit: Bytes. Range: [64-65507], integer only. Default: 64. If the value exceeds the range, a prompt will be displayed on the interface.
3. Click **Test**. The results will appear after the test is complete.
   - The destination is unreachable: The test address cannot be pinged or reached.
   - The packet loss rate is not 0%: The test address cannot be pinged, but it can be reached with high network latency.
   - The packet loss rate is 0%: The test address is successfully pinged.

   Note: Due to high network latency, there is occasional randomness when pinging larger test packets. If the test address cannot be pinged, it is recommended to test with smaller packet.

11.5.9.3.3 About

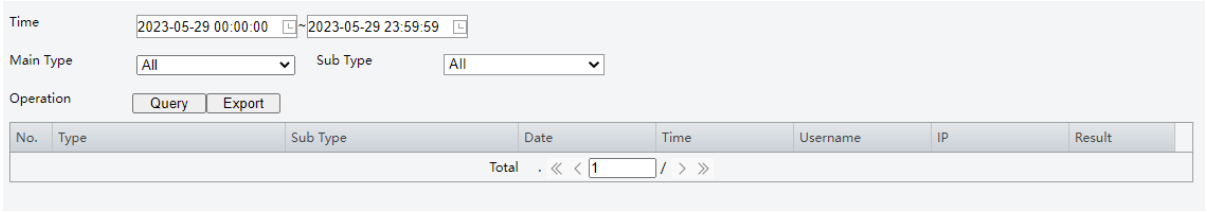
See About for details.

11.5.9.4 Log

Logs contain information about user operation, date, username, IP, and results. User can search and export logs by conditions.

1. Go to **Setup** > **System** > **Log**.

Figure 11-84: Log



2. Set a time range, main type, and sub type.
3. Click **Search**. The latest logs are displayed in the list below.
4. Click **Export** to save search results as a .csv file to the default path of the browser.

Note: Up to 100 logs can be displayed and exported. The logs are displayed in descending chronological order.