Module Door Station

User Manual

Legal Information

About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (***https://www.hikvision.com/***).
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Data Protection

During the use of device, personal data will be collected, stored and processed. To protect data, the development of Hikvision devices incorporates privacy by design principles. For example, for device with facial recognition features, biometrics data is stored in your device with encryption method; for fingerprint device, only fingerprint template will be saved, which is impossible to reconstruct a fingerprint image.
As data controller, you are advised to collect, store, process and transfer data in accordance with the applicable data protection laws and regulations, including without limitation, conducting security controls to safeguard personal data, such as, implementing reasonable administrative and physical security controls, conduct periodic reviews and assessments of the effectiveness of your security controls.

Symbol Conventions

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

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

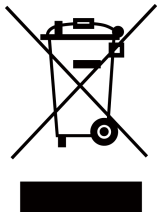
Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help
FCC Conditions
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU



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

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

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.
Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope

rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.
This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.
Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

Power Source Detail

The power source should be qualified and meet limited power source or PS2 requirements according to IEC 60950-1 or IEC 62368-1 standard.

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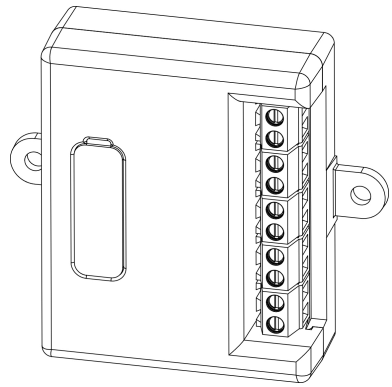
Chapter 1 Introduction



The alarm in module is designed for connecting extended call buttons. After configuration, you can press the connected buttons to call the corresponding indoor stations.

Chapter 2 Appearance

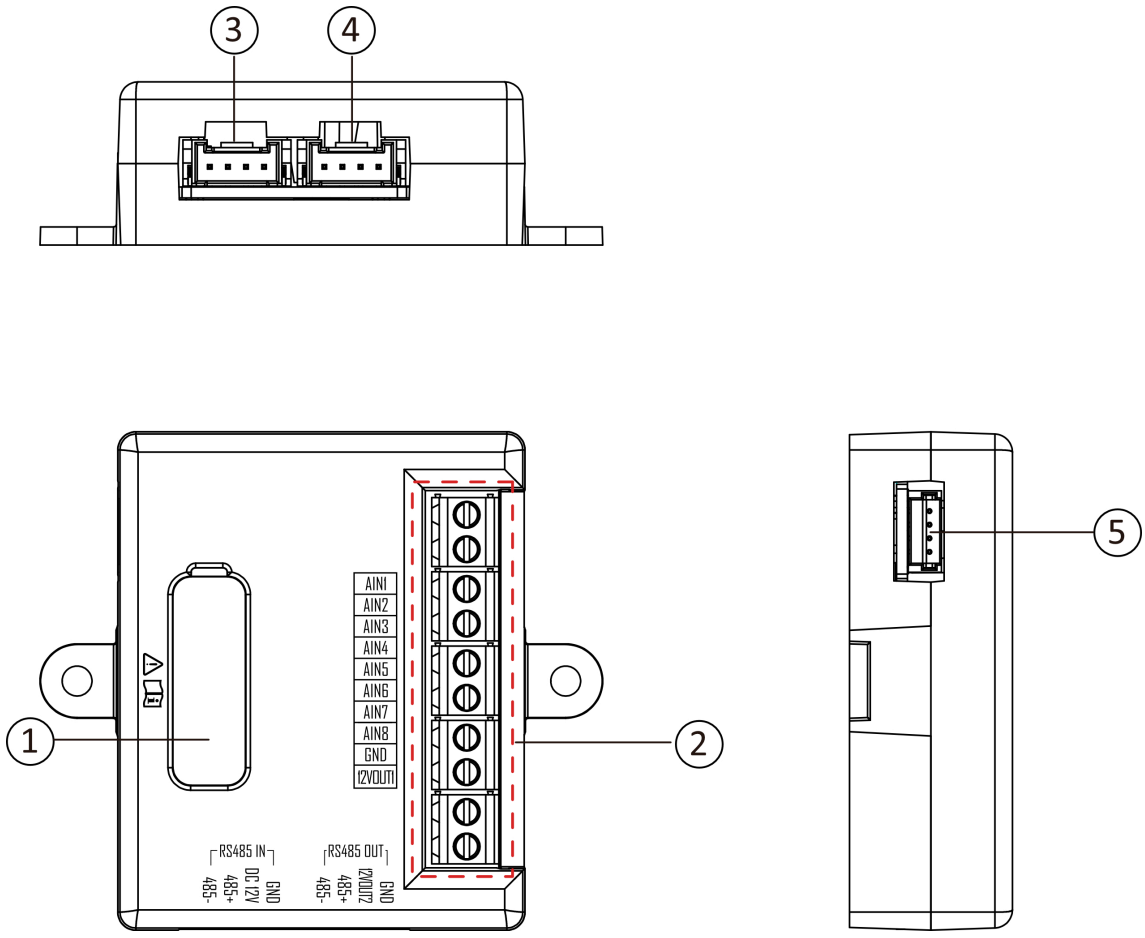


Figure 2-1 Alarm In Module

Table 2-1 Appearance Description

No.	Description
1	DIP Switch
2	Alarm In Terminals
3	Module-connecng Interface (Input)
4	Module-connecng Interface (Output)
5	Debugging Port

No.	Description
	Note The port is for debugging use only.

Chapter 3 Terminal and Wiring

3.1 Terminal Description

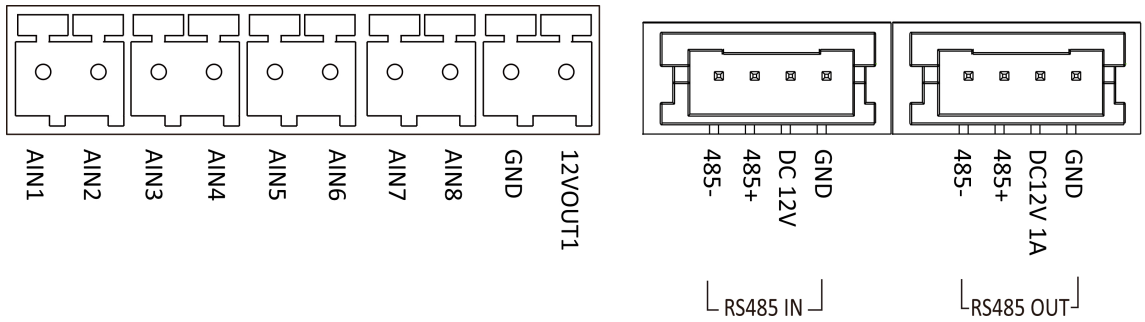


Figure 3-1 Alarm In Module Terminals

Table 3-1 Description

Interface	Description
AIN1	Alarm In Interface for Call Button 1
AIN2	Alarm In Interface for Call Button 2
AIN3	Alarm In Interface for Call Button 3
AIN4	Alarm In Interface for Call Button 4
AIN5	Alarm In Interface for Call Button 5
AIN6	Alarm In Interface for Call Button 6
AIN7	Alarm In Interface for Call Button 7
AIN8	Alarm In Interface for Call Button 8
GND	Grounding
12VOUT1	12 VDC Power Output
485-	Module-Connecting Interface (Input)
485+	
12V IN	
GND	
485-	Module-Connecting Interface (Output)
485+	

Interface	Description
12V OUT	
GND	

3.2 Alarm Input Device Wiring

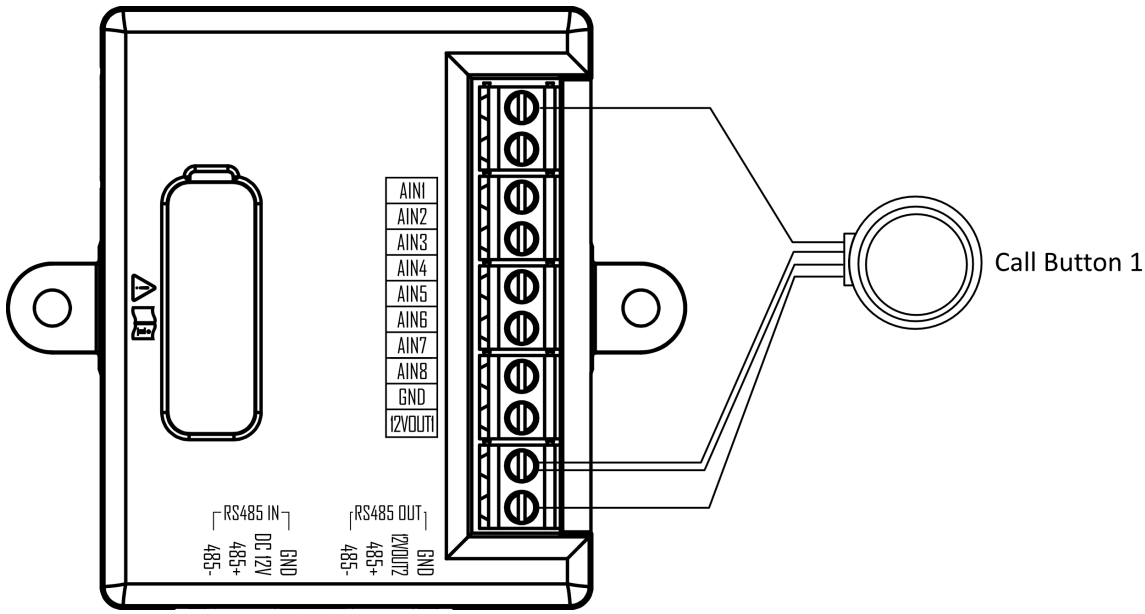


Figure 3-2 Call Button Wiring

8 call buttons can be connected to the alarm in module. Here takes one button connecting to AIN1 interface for example.

Chapter 4 Installation

Note

- Make sure the device in the package is in good condition and all the assembly parts are included.
- Sub module must work along with the main unit.
- Set the sub module address before start the installation steps.
- Make sure the place for surface mounting is flat.
- Make sure all the related equipment is power-off during the installation.
- Tools that you need to prepare for installation:
  Drill (ø6), cross screwdriver (PH1*150 mm), and gradienter.

4.1 Configure Alarm In Module Address

You need to set the alarm in module address via DIP switch before installation.

Steps

1. Remove the rubber cover to expose the DIP switch.

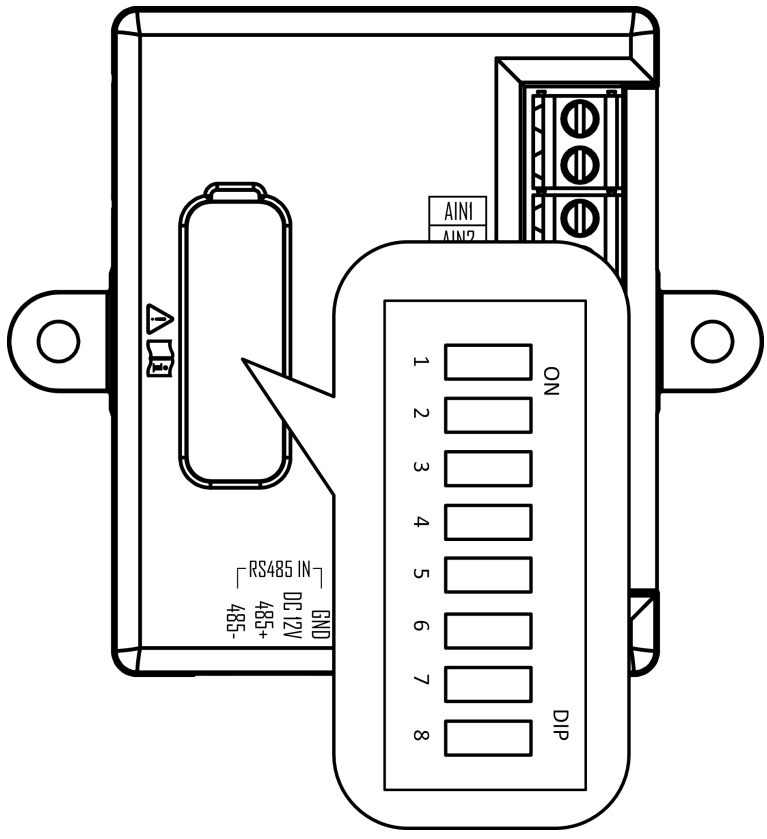


Figure 4-1 DIP Switch

2. Set the address for each alarm in module according to the DIP rules, and install the rubber cover back.

Note

- Valid sub module address is from 1 to 8. Each address is a binary code and should be unique for connecting to the main unit.
  The address and its corresponding switch status are displayed as below. Up to 20 alarm in modules can be cascaded and here takes 8 module addresses for example.

Alarm In Module Address	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8
Module 1	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Module 2	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Module 3	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Module 4	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Module 5	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Module 6	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Module 7	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Module 8	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF

4.2 Alarm In Module Installation

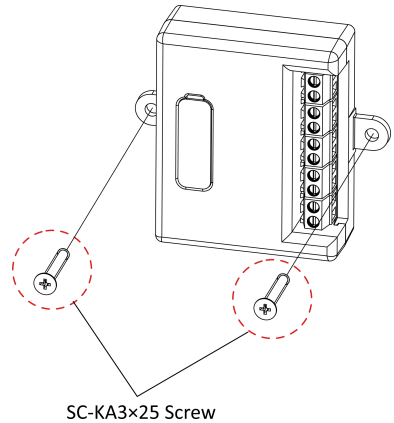


Figure 4-2 Install Alarm In Module

Fix the alarm in module to flat surface with 2 SC-KA3×25 screws.

4.3 Typical Application

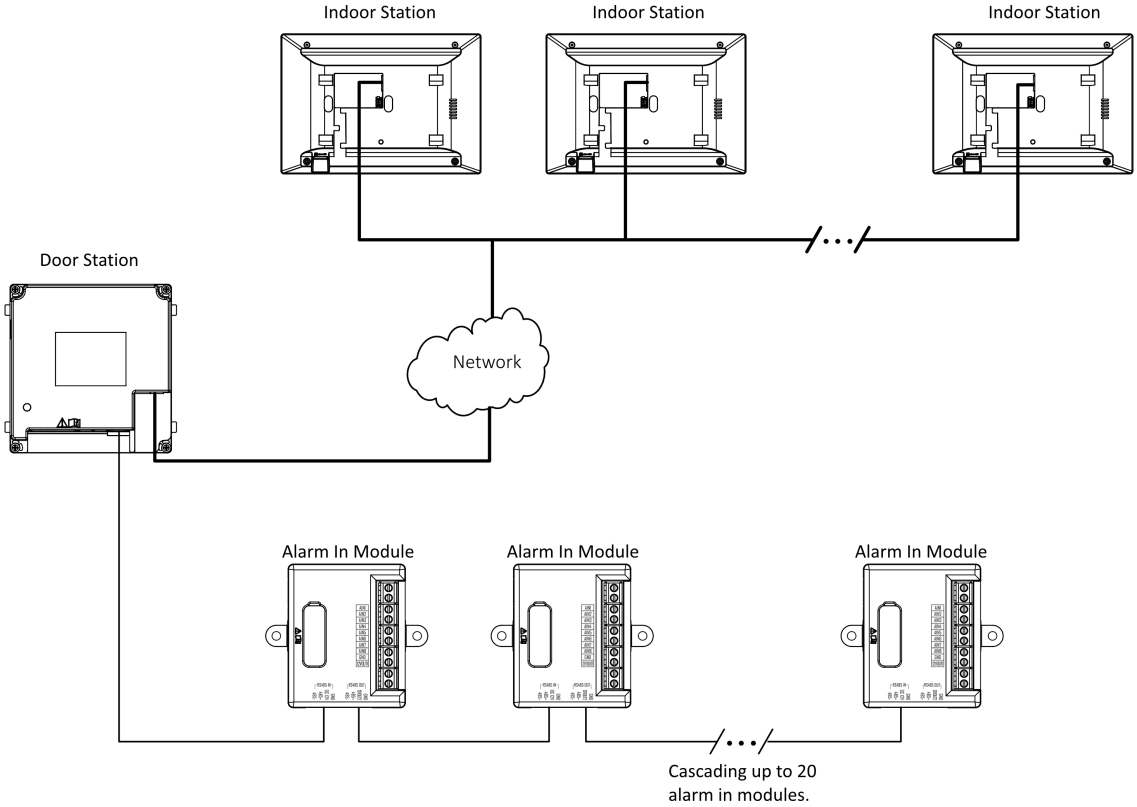


Figure 4-3 Typical Application

Note

- Up to 20 alarm in modules can be cascaded.
- Make sure the indoor stations are activated and linked to the door station.
- Set address for each alarm in module. For details, see ***Configure Alarm In Module Address*** .
- Configure room No. for each alarm in interface on web. For details, see ***Press Button to Call*** .

Chapter 5 Activation

5.1 Activate Device via Client Software

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

Default parameters of door station are as follows:

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

Steps

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

Note

We highly recommend you to create a strong password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.

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

Note

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

5.2 Edit Network Parameters

To operate and configure the device via LAN (Local Area Network), you need connect the device in the same subnet with your PC. You can edit network parameters via **iVMS-4200** client software.

Steps

1. Select an online activated device and click the **Modify Netinfo**.
2. Edit the device IP address and gateway address to the same subnet with your computer.
3. Enter the password and click **OK** to save the network parameters modification.

Note

- The default port No. is 8000.
- The default IP address of the door station is 192.0.0.65.
- After editing the network parameters of device, you should add the devices to the device list again.

Chapter 6 Remote Configuration via Web

6.1 Live View

In the browser address bar, enter the IP address of the device, and press the Enter key to enter the login page.

Enter the user name and password and click **Login** to enter the Live View page. Or you can click **Live View** to enter the page.

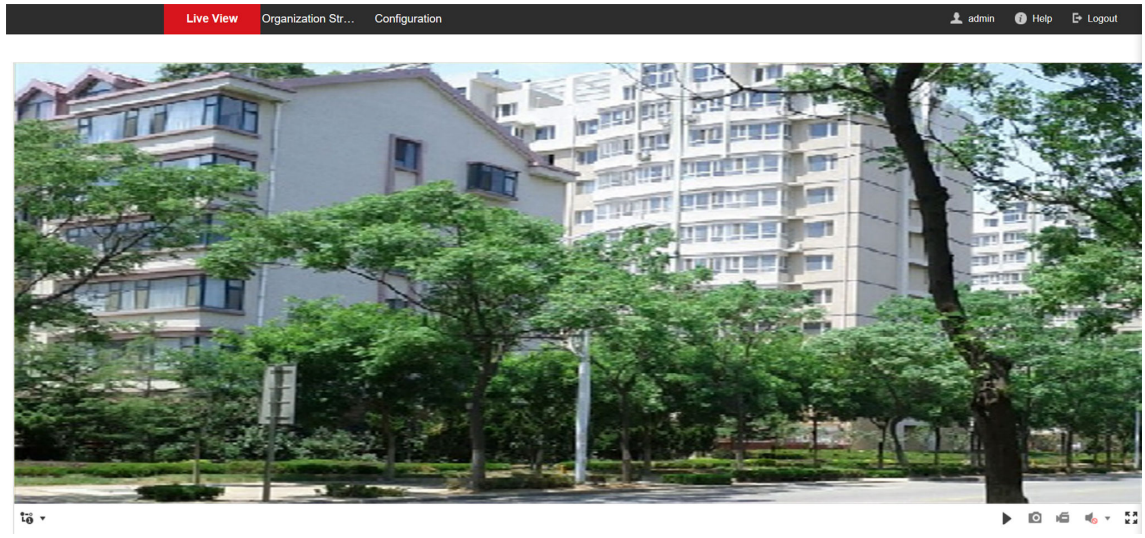


Figure 6-1 Live View

- You can start/stop live view, capture, record, audio on/off, two-way audio, etc.
- The stream type can be set as main stream or sub stream.
- For IE (Internet Explorer) users, the device support two-way audio communication.

6.2 User Management

You can add, delete or search the information of the user.

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

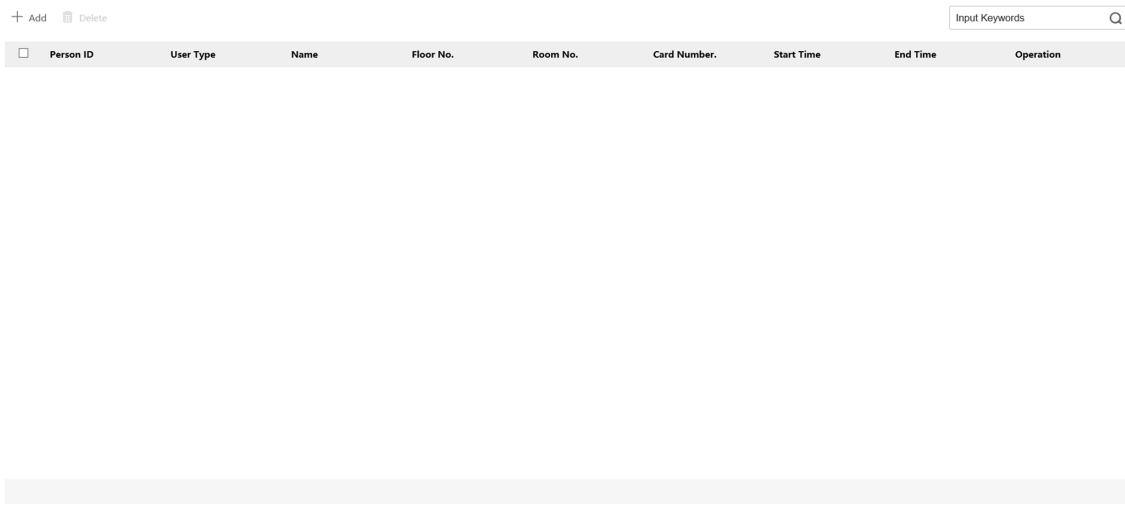


Figure 6-2 User Management

Add User

Basic Information

- Click **Add** to add users. Enter the **Employee ID**, **Name**, **Floor No.** and **Room No.**, Set the **Start Time** and **End Time**. You can set the user as **Administrator**.

Note

- If you disable **Always Valid**, setting start time and end time is necessary.
- No more than 5 room No. can be added per user.

Card Settings

Click **Add Card**. Manually enter the card No. or click **Read** and put your card on the card reading area for the device to identify the card No. automatically. Select card **Property**. Click **OK** to save the card information.

Door Permission

You can check the door status and choose door permission.

Other Operation

- Click to modify the information of the user.
- Check the box of the user and click **Delete** to delete the selected user.
- Enter the keyword and click search icon. The information will display in the list.

Note

User management function may vary with different models. Please refer to the actual product.

6.3 Device Management

You can manage the linked device on the page.

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

Figure 6-3 Device Management

Add Device

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

Export

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

Delete

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

Synchronize

Click **Synchronize** and enable **Synchronize** for device synchronization.

Note

When enabling the function, the activated devices will synchronize parameters. Inactivated devices synchronize parameters whether the function is enabled or not.

Refresh

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

Optional: Set device information.

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

6.4 Parameters Settings

Click **Configuration** to set the parameters of the device.

Remote configuration in iVMS-4200 and Batch Configuration Tool is the same as that in Web. Here takes the configuration in web for example.

Note

Run the browser, click → **Internet Options** → **Security** to disable the Protected Mode.

6.4.1 Local Parameters Settings

You can configure the parameters of the live view, record files and captured pictures. The record files and captured pictures are the ones you record and capture by using the web browser. You can also set and view the saving paths of the captured pictures and recorded videos on the PC that running the web browser.

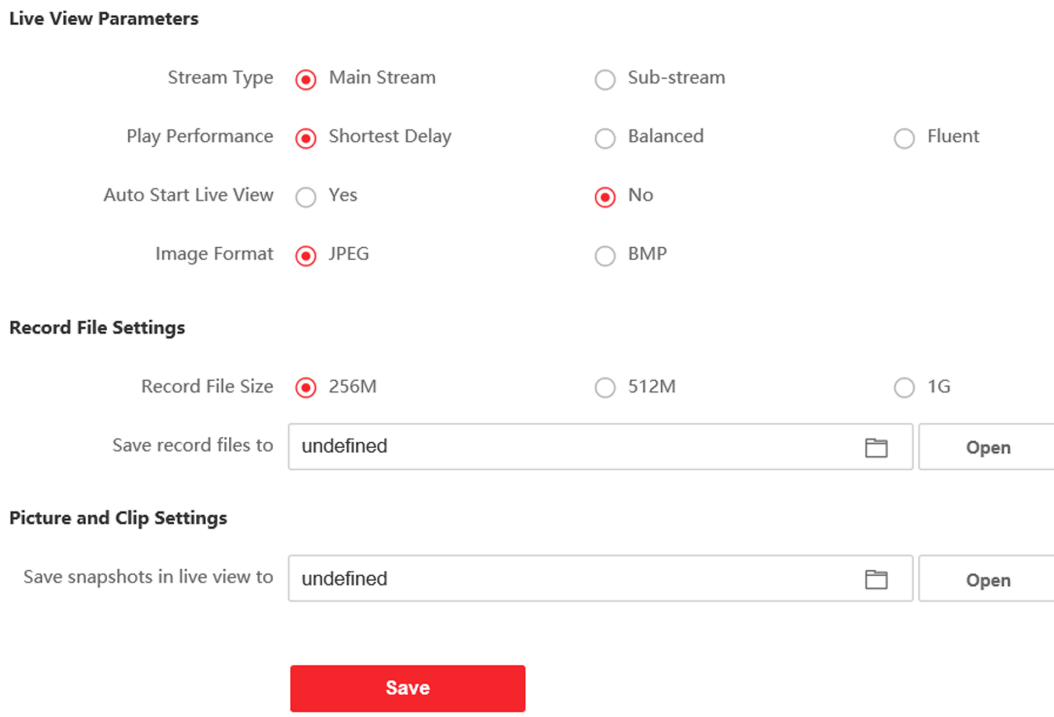


Figure 6-4 Local Parameters

Live View Parameters

Stream Type

Set the stream type as **Main Stream** or **Sub-stream**.

Play Performance

Set the live view performance to **Shortest Delay**, **Balanced** or **Fluent**.

Auto Start Live View

Check **Yes** to enable the function.

Image Format

Select the image format for picture capture.

Click **Save** to enable the settings.

Record File Parameters

Record File Size

Select the packed size of the manually recorded and downloaded video files to **256M**, **512M** or **1G**. After the selection, the maximum record file size is the value you selected.

Save record files to

Set the saving path for the manually recorded video files.

Click **Save** to enable the settings.

Picture and Clip Settings

Save snapshots in live view to

Set the saving path of the manually captured pictures in live view mode.

Note

You can click **Browse** to change the directory for saving the clips and pictures, and click **Open** to open the set folder of clips and picture saving.

Click **Save** to enable the settings.

6.4.2 System Settings

Follow the instructions below to configure the system settings, include System Settings, Maintenance, Security, and User Management, etc.

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

Basic Information

Click **System Settings → Basic Information** to enter the settings page. On the page, you can edit **Device Name** and **Device No.** Set the **Language** according to your needs.
You can view the quantities of added users and cards in **Capacity**.
Click **Save** to enable the settings.

Time Settings

Click **System Settings → Time Settings** to enter the settings page. Select the **Time Zone** of your location from the drop-down list.

- Enable **NTP**, set the **Server Address**, **NTP Port** and **Interval**.
- Enable **Manual Time Sync.**, set the time manually or check the **Sync. with computer time**.

Click **Save** to enable the settings.

DST

Click **System Settings → DST** to check **Enable DST**. Set the parameters according to your needs and click **Save** to enable the settings.

About

Click **System Settings → About** and click **View Licenses** to view open source software licenses.

Maintenance

Click **Maintenance → Upgrade & Maintenance** to enter the settings page.

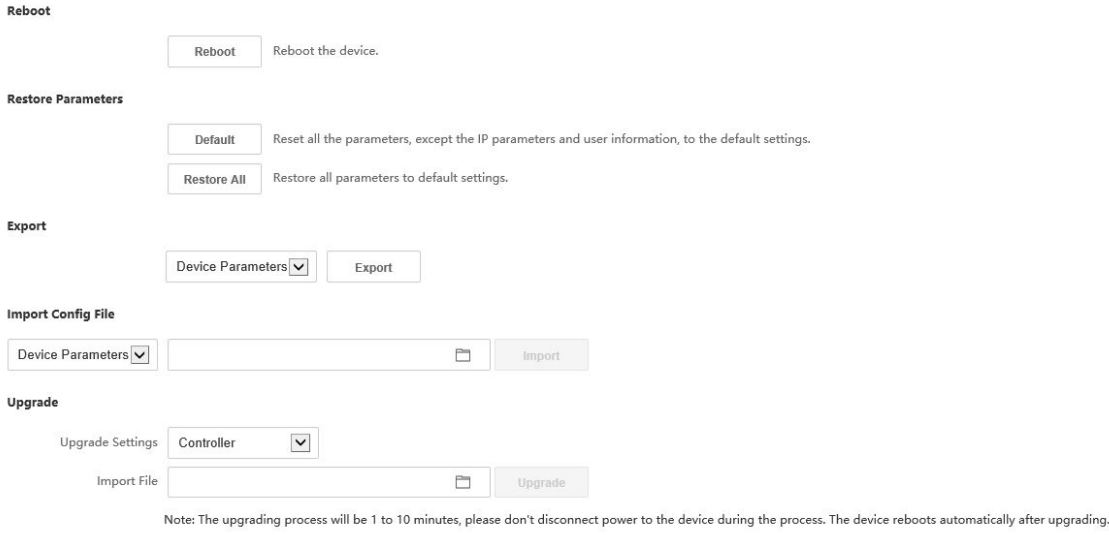


Figure 6-5 Upgrade & Maintenance

- Reboot: Click **Reboot** to reboot the device.
- **Default**

  Click **Default** to reset all the parameters, except the IP parameters and user information, to the default settings.

  Restore All

  Click **Restore All** to restore all parameters to default settings.
- Export parameters:
  1. Select **Device Parameters**, and click **Export** to pop up the dialog box.
  2. Set and confirm the encryption password.
  3. Click **OK** to export parameters.
- Import Config. File:
  1. Click browse icon to select the configuration file.
  2. Click **Import** and enter the encryption password to import.
- Upgrade: Click browse icon to select the upgrade file.

Note

The upgrading process will last 1 to 10 minutes, do not power off during the upgrading. The device reboots automatically after upgrading.

Security Service

Click **Security → Security Service** to enter the settings page. On the page, you can enable SSH according to your actual needs.
Click **Save** to enable the settings.

User Management

Click **User Management** to enter the settings page.
Administrator can edit the permission for the users.

Note

We highly recommend you to create a strong password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.

Online Users

Click **User Management → Online Users** to enter the page.
Click **Refresh** to get the present information.

Arming/Disarming Information

Click **User Management → Arming/Disarming Information** to view the information. Click **Refresh** to get the present information.

6.4.3 Network Settings

TCP/IP Settings

TCP/IP settings must be properly configured before you operate the device over network. The device supports IPv4.

Steps

1. Click **Network → Basic Settings → TCP/IP** to enter the settings page.

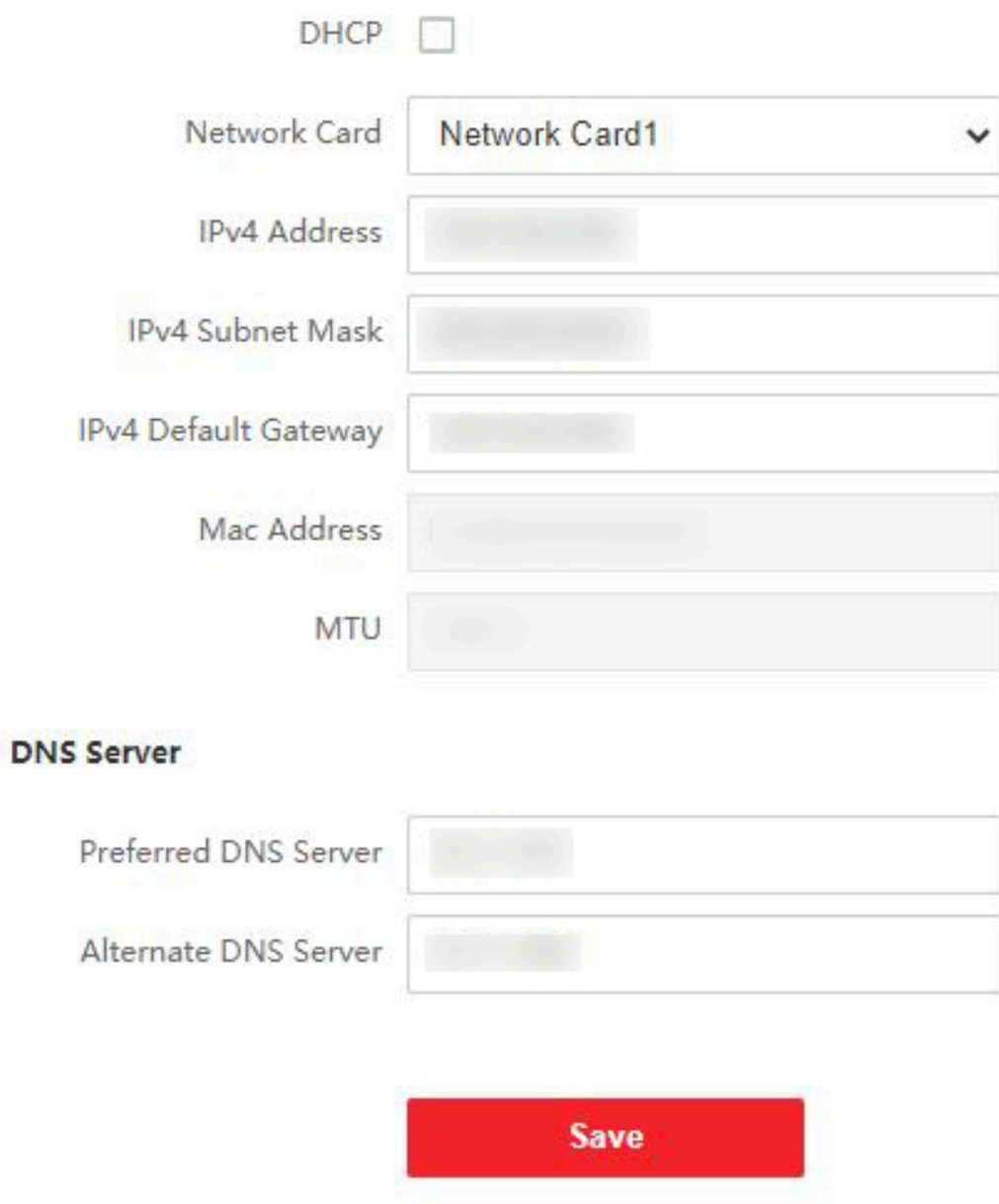


Figure 6-6 TCP/IP Settings

2. Configure the network parameters.
   - Enable **DHCP** and the device will get the parameters automatically.
   - Disable **DHCP** and set the **IPv4 Address**, **IPv4 Subnet Mask** and **IPv4 Default Gateway** manually.
3. Configure the corresponding DNS server parameters.
4. Click **Save** to enable the settings.

Port Settings

Steps

1. Click **Network → Basic Settings → Port** to enter the settings page.

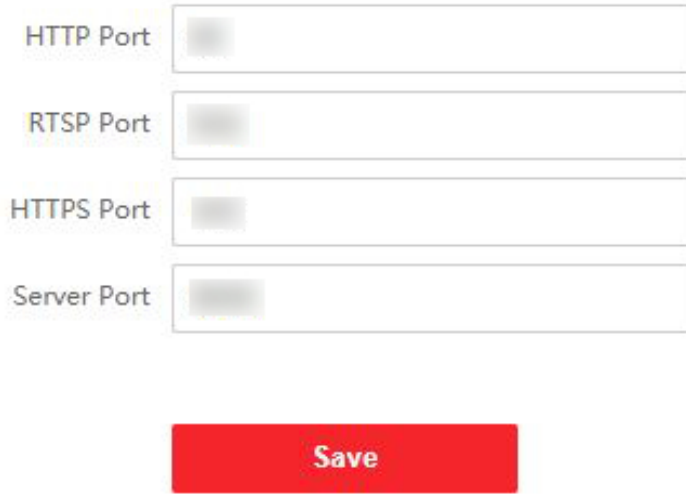


Figure 6-7 Port Settings

2. Set the ports of the device.

   HTTP Port

   The default port number is 80, and it can be changed to any port No. which is not occupied.

   RTSP Port

   The default port number is 554.

   HTTPS Port

   The default port number is 443, and it can be changed to any port No. which is not occupied.

   Server Port

   The default server port number is 8000, and it can be changed to any port No. ranges from 2000 to 65535.

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

SIP Setting

Steps

1. Click **Network → Basic Settings → SIP** to enter the settings page.

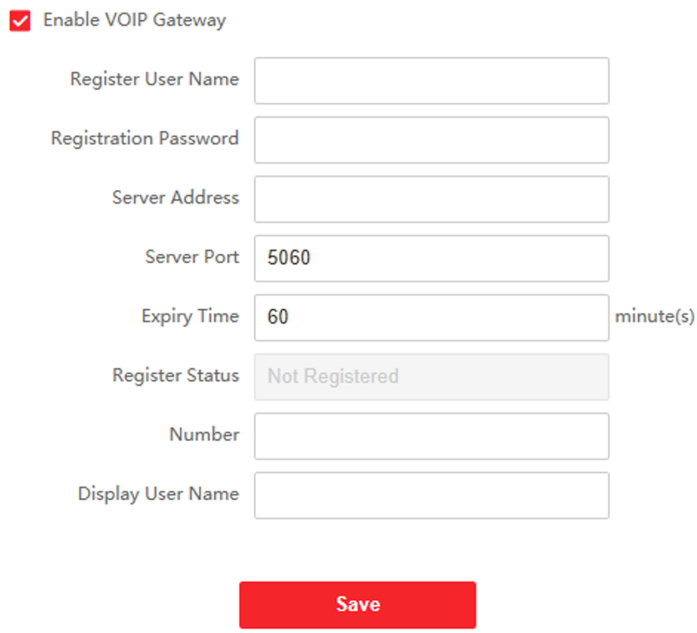


Figure 6-8 SIP Settings

2. Check **Enable VOIP Gateway**.
3. Configure the SIP parameters.
4. Click **Save** to enable the settings.

FTP Settings

Steps

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

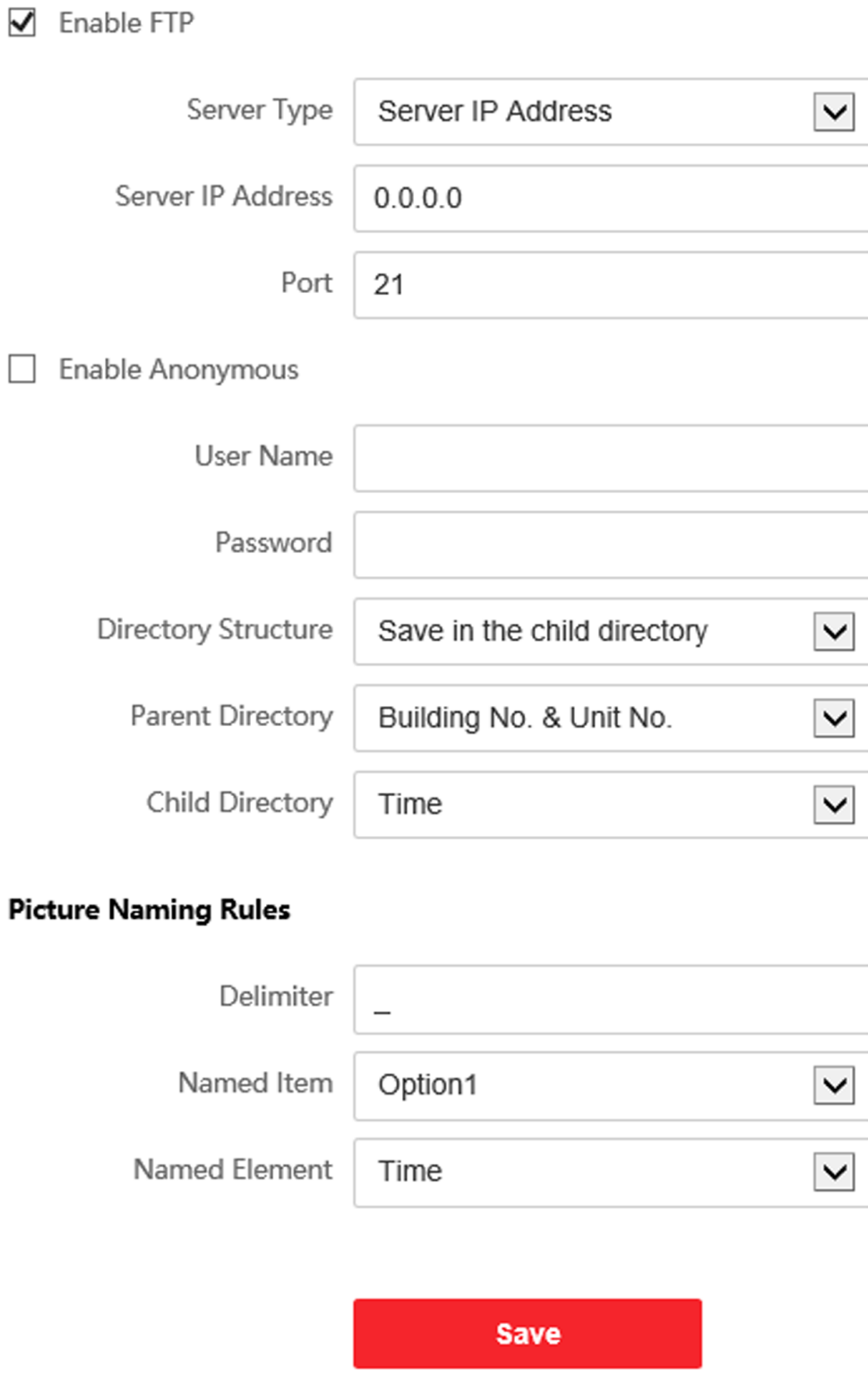


Figure 6-9 FTP Settings

2. Check **Enable FTP**.
3. Select **Server Type**.
4. Input the **Server IP Address** and **Port**.
5. Configure the FTP Settings, and the user name and password are required for the server login.
6. Set the **Directory Structure**, **Parent Directory** and **Child Directory**.
7. Set the picture naming rules.
8. Click **Save** to enable the settings.

6.4.4 Video & Audio Settings

Video Parameters

Steps

1. Click **Video/Audio → Video** to enter the settings page.

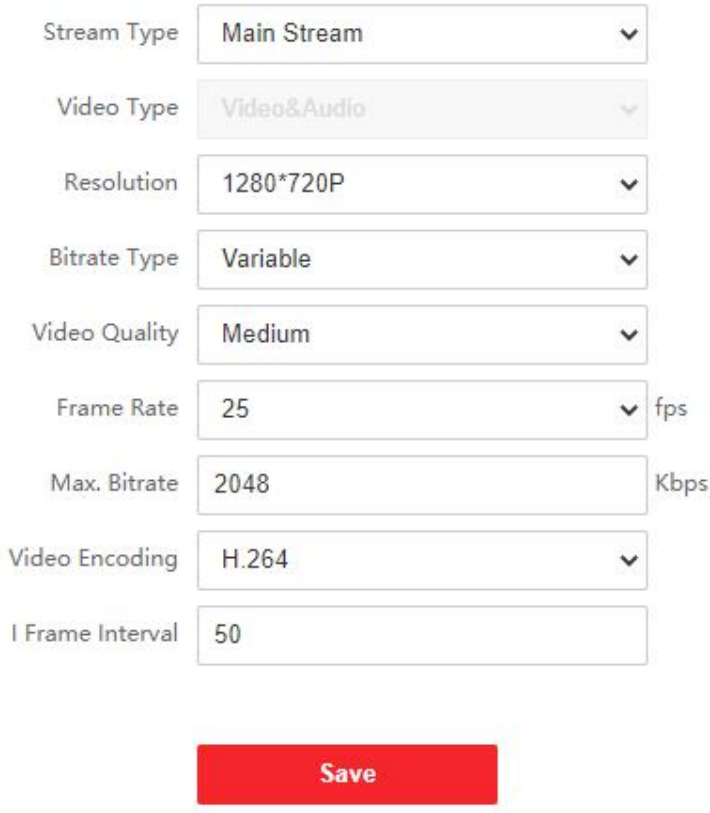


Figure 6-10 Video Parameters

2. Select the **Stream Type**.
3. Configure the video parameters.

Stream Type

Select the stream type to main stream or sub stream.

Video Type

Select the stream type to video stream, or video & audio composite stream. The audio signal will be recorded only when the **Video Type** is **Video & Audio**.

The video type is video & audio read only by default.

Resolution

Select the resolution of the video output.

Bitrate Type

Select the bitrate type as constant or variable.

Video Quality

When bitrate type is selected as Variable, 6 levels of video quality are selectable.

Frame Rate

Set the frame rate. The frame rate is to describe the frequency at which the video stream is updated and it is measured by frames per second (fps). A higher frame rate is advantageous when there is movement in the video stream, as it maintains image quality throughout.

Max. Bitrate

Set the max. bitrate from 32 to 16384 Kbps. The higher value corresponds to the higher video quality, but the better bandwidth is required.

Video Encoding

The device supports H.264.

I Frame Interval

Set I Frame Interval from 1 to 400.

4. Click **Save** to save the settings.

Audio Parameters

Steps

1. Click **Video/Audio → Audio** to enter the settings page.

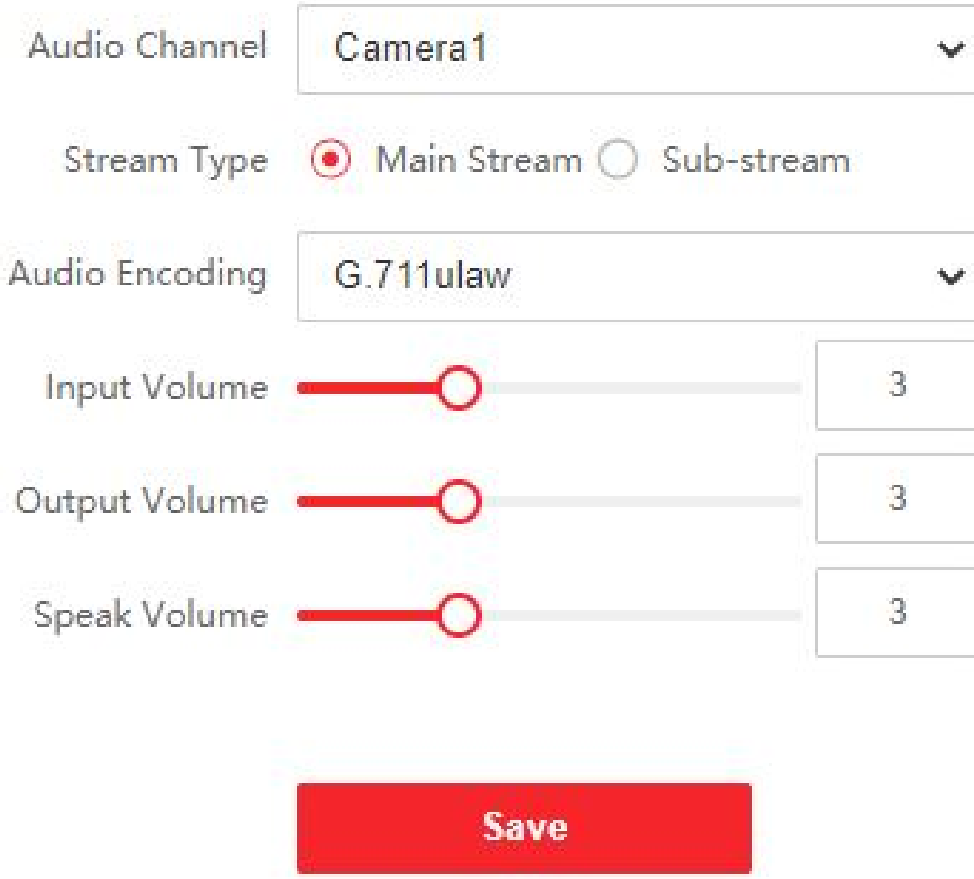


Figure 6-11 Audio Settings

2. Configure the stream type and the audio encoding type.

Audio Channel

Select the audio channel to adjust the audio parameters.

Stream Type

Select the stream type to main stream or sub stream.

Audio Encoding

The device support G.711ulaw and G.711 alaw.

3. Adjust the **Input Volume**, **Output Volume** and **Speak Volume**.

Note

Available range of volume: 0 to 10.

4. Click **Save** to save the settings.

6.4.5 Image Settings

Display Settings

Configure the image adjustment, backlight settings and other parameters in display settings.

Steps

1. Click **Image → Display Settings** to enter the display settings page.

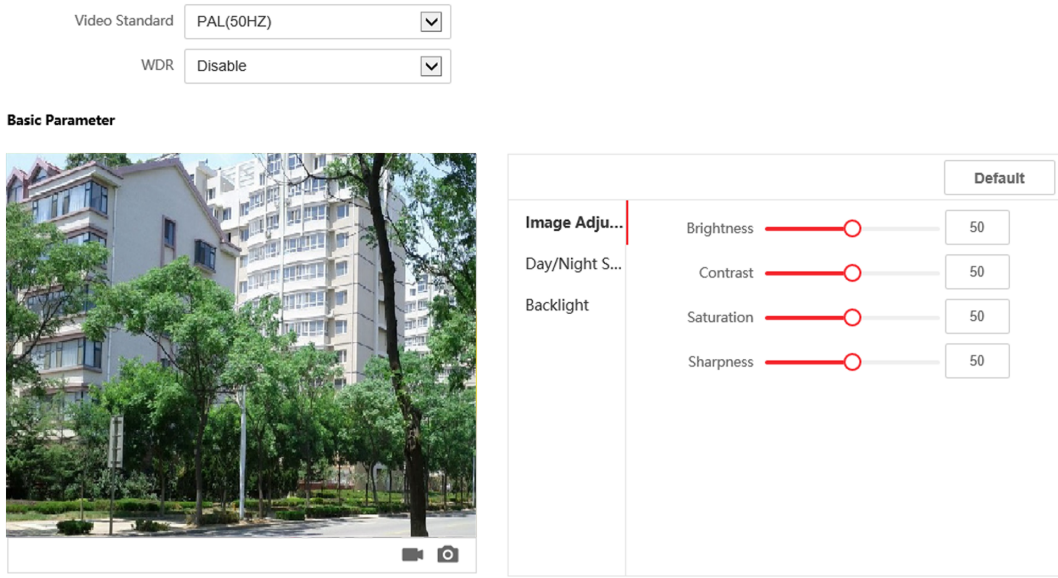


Figure 6-12 Display Settings

2. Select the **Video Standard**.
3. Select to enable or disable **WDR**.

Note

Wide Dynamic Range can be used when there is a high contrast of the bright area and the dark area of the scene.

4. Set the basic parameters.

Brightness

Brightness describes bright of the image, which ranges from 1 to 100.

Contrast

Contrast describes the contrast of the image, which ranges from 1 to 100.

Saturation

Saturation describes the colorfulness of the image color, which ranges from 1 to 100.

Sharpness

Sharpness describes the edge contrast of the image, which ranges from 1 to 100.

5. Set the **Day/Night Switch**.

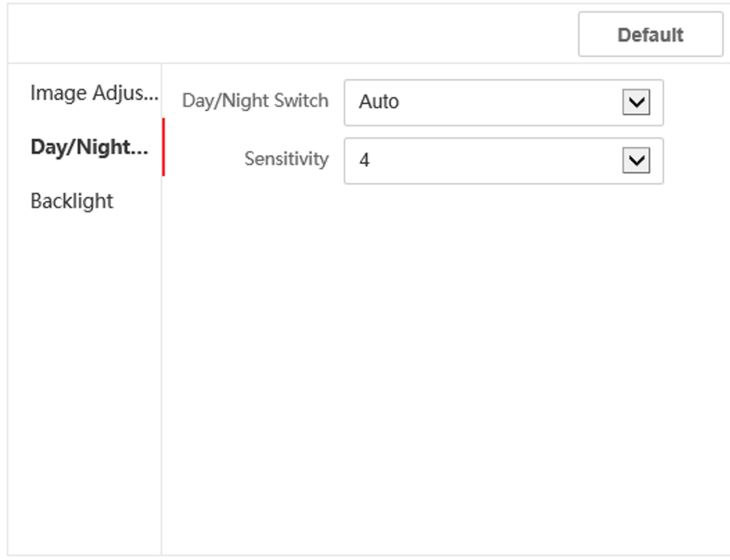


Figure 6-13 Day/Night Switch

- Set **Daytime** or **Night**.
- Set the mode as **Auto** and edit the sensitivity according to your needs.
- Set the mode as **Scheduled-Switch**. Set the start time and end time.

6. Set the backlight parameters.

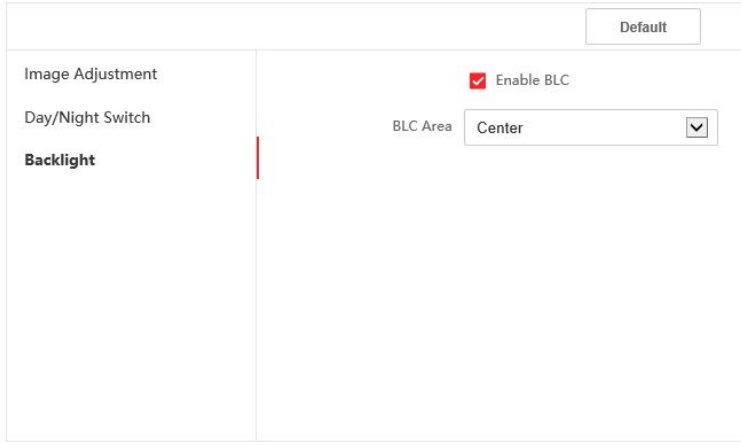


Figure 6-14 Backlight

1) Check to enable BLC.
2) Select **BLC Area**.

OSD Settings

You can customize the camera name, time/date format on the live view.

Steps

1. Click **Image → OSD** to enter the settings page.

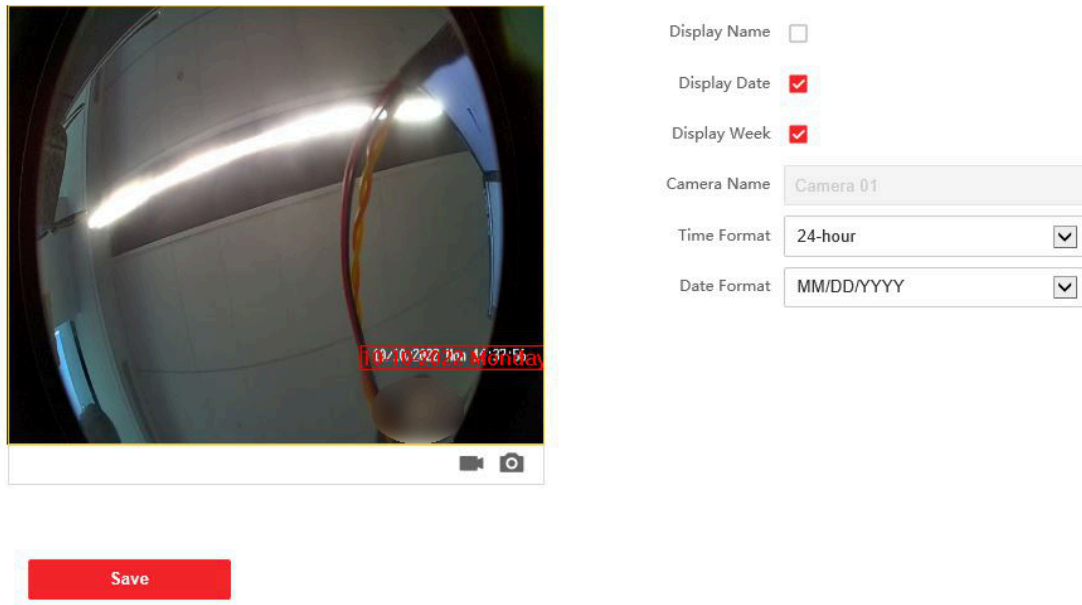


Figure 6-15 OSD

2. Check to enable **Display Name**, **Display Date** or **Display Week** at your actual needs.
3. Edit the **Camera Name**.

Note

You can edit the camera name only when **Display Name** is enabled.

4. Select from the drop-down list to set the **Time Format** and **Date Format**.
5. Click **Save** to enable the settings.

Target Cropping

Steps

1. Click **Image → Crop** to enter the page.
2. Check **Enable Target Cropping** to enable the function.
3. Click to capture photo.
4. Click to start recording.
5. Select **Cropping Resolution**.
6. Click **Save**.

Note

- You can select **Cropping Resolution** as **704*576**, **1280*720**, or **1920*1080**.
- You can zoom in or zoom out the image by selecting **Cropping Resolution** after clicking **Save**.

6.4.6 Event Settings

Motion Detection

Motion detection detects the moving objects in the configured security area, and a series of actions can be taken when the alarm is triggered.

Steps

1. Click **Event → Basic Event → Motion** to enter the settings page.

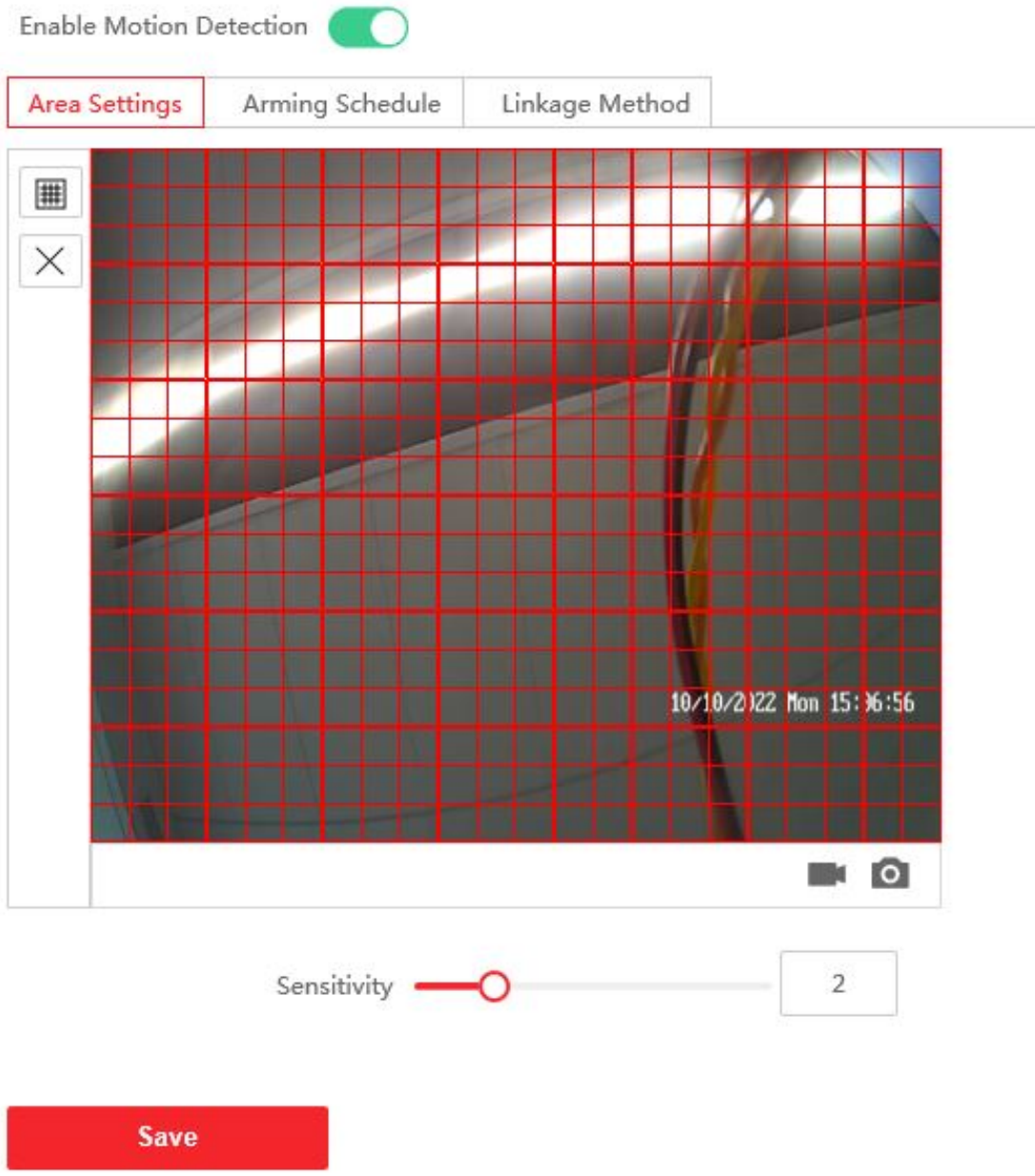


Figure 6-16 Motion Detection

2. Click to **Enable Motion Detection**.
3. Click **Draw Area**. Click and drag to draw a motion detection area.

Clear Area	Click **Clear All** to clear all of the areas.
Adjust Sensitivity	Move the slider to set the sensitivity of the detection.

4. Click **Arming Schedule** to edit the arming schedule.
5. Click on the time bar and drag to select the time period. Click **Save** to save the settings.

Delete Schedule Click **Delete** to delete the current arming schedule.

6. Click **Linkage Method** to enable the linkages.

Notify Security Center

Send an exception or alarm signal to the remote management software when an event occurs.

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

Event Linkage

Steps

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

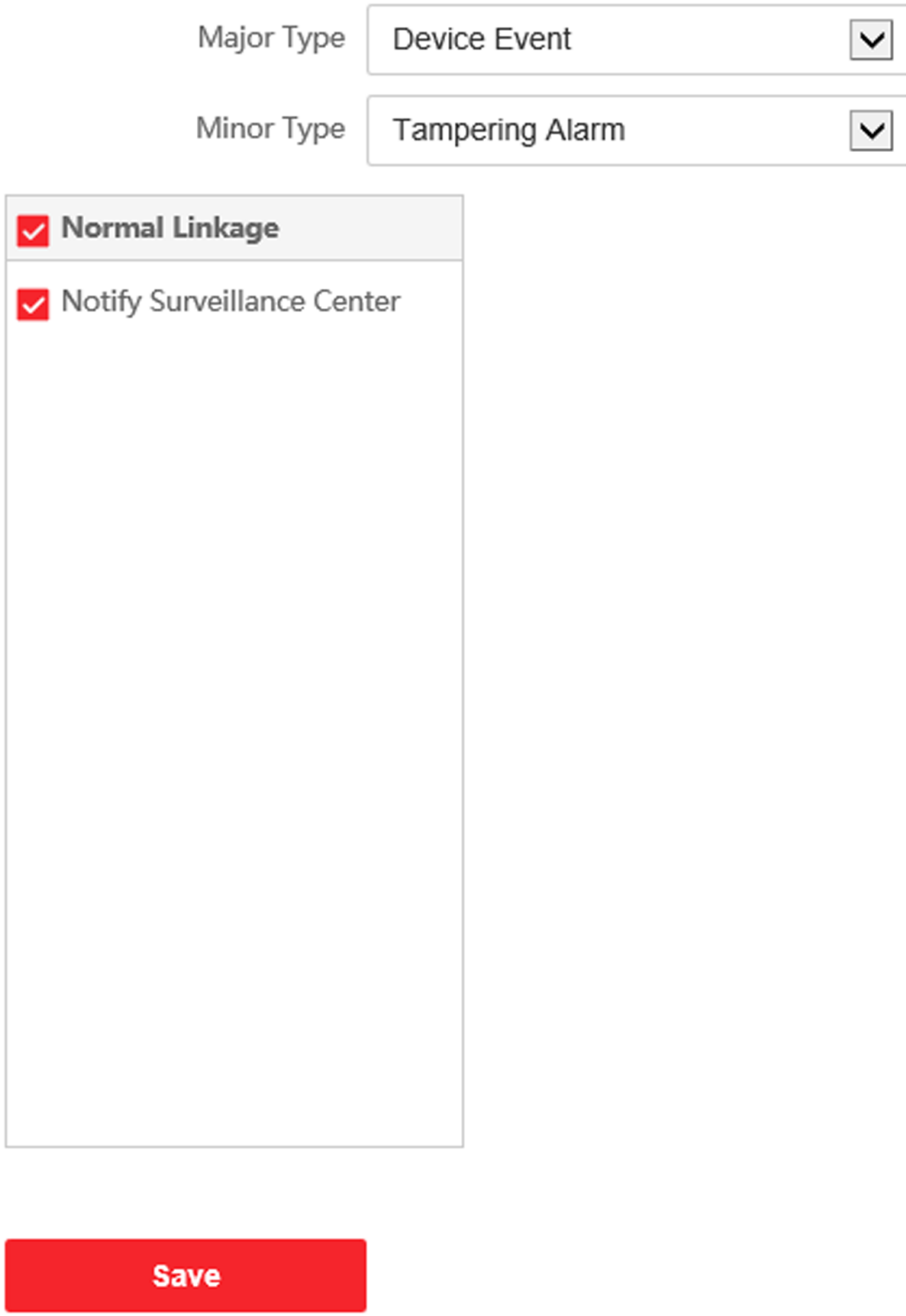


Figure 6-17 Event Linkage

2. Select the **Major Type** as **Device Event** or **Door Event**.
3. Select the type of the **Normal Linkage** for the event.
4. Click **Save** to enable the settings.

6.4.7 Schedule Settings

You can create call schedule, or else the device will call indoor station all day by default.

Steps

1. Click **Schedule → Video Intercom → Call Schedule** .
2. Click the next row below **Enable Indoor Station All Day by Default**.
3. Enter **Schedule Name**.
4. Select **Call Type**.
5. Set **Weekly Schedule**.
   1) Click **Weekly Schedule**.

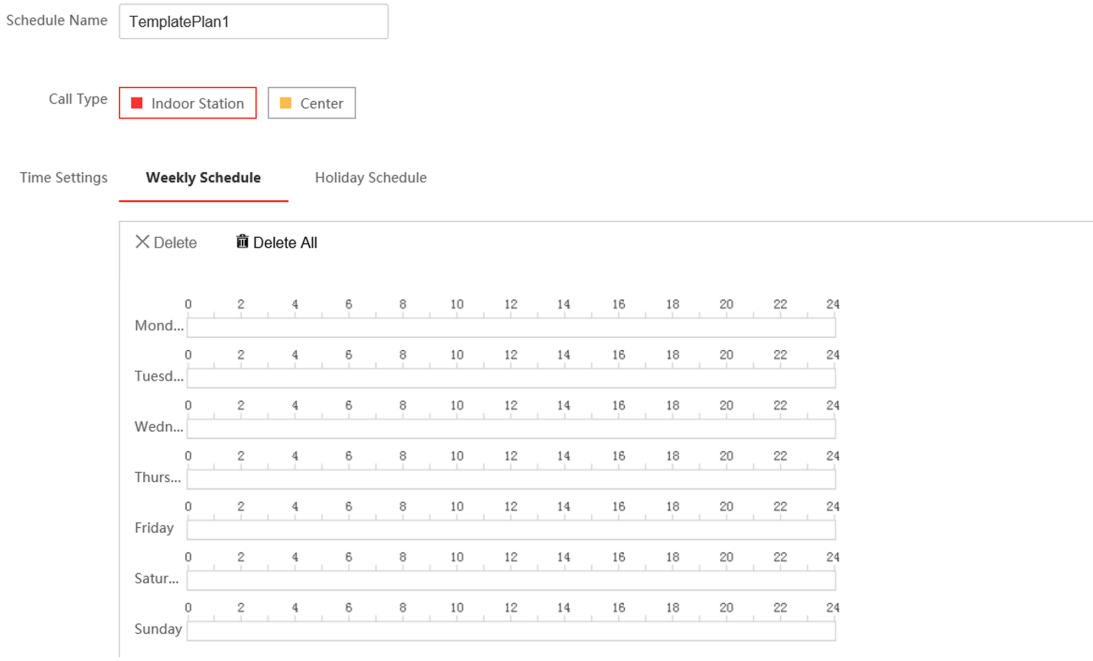


Figure 6-18 Weekly Schedule

   2) Drag mouse to set the schedule according to the actual needs.
   3) **Optional:** Click the copy icon to copy the schedule to other days according to the actual needs.
   4) Click **Save**.
6. Set **Holiday Schedule**.
   1) Click **Holiday Schedule**.

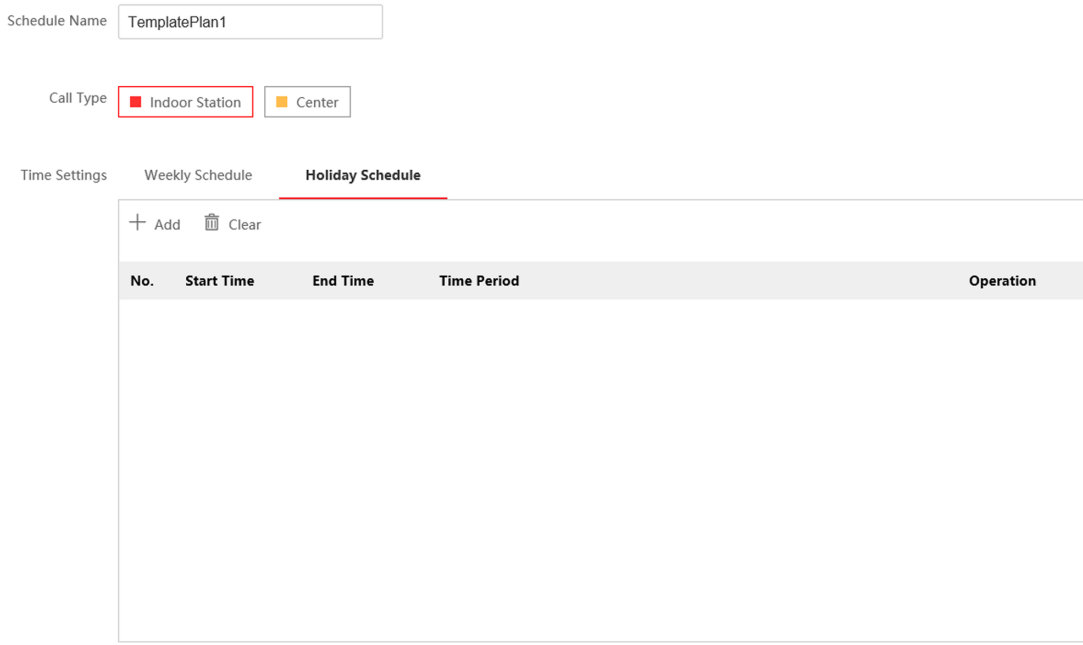


Figure 6-19 Holiday Schedule

2) Click **Add**.
3) Set **Start Time** and **End Time**.
4) Select **Call Type**.
5) Drag mouse to set the schedule according to the actual needs.
6) Click **OK**.
7) You can edit or delete the schedule according to the actual needs.
8) Click **Save**.

Note

The holiday schedule have higher priority than weekly schedule when you set the two schedule at the same time.

6.4.8 Intercom Settings

Device No. Configuration

Set the No. of the device, and linked devices can build a communication.

Steps

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

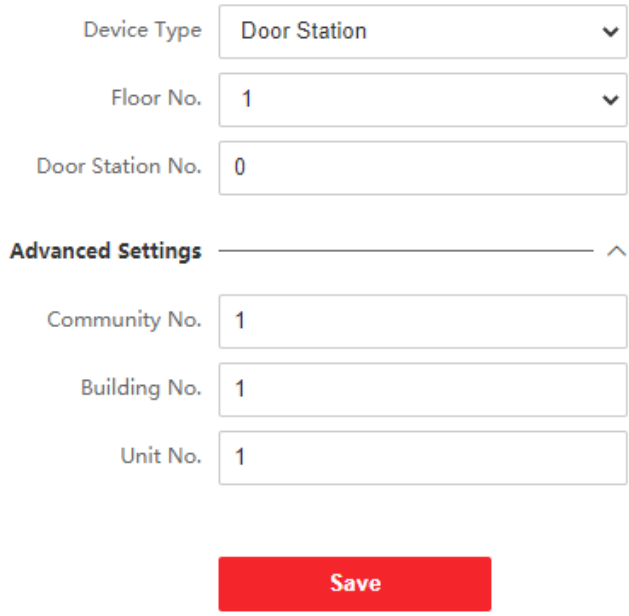


Figure 6-20 Device No. Settings

2. Select the device type from the drop-down list, and set the corresponding information.
3. Click **Save** to enable the device number configuration.

Note

- For main door station (D series or V series), the serial No. is 0.
- For sub door station (D series or V series), the serial No. cannot be 0. Serial No. ranges from 1 to 99.
- For each villa or building, at least one main door station (D series or V series) should be configured, and one sub door stations (D series or V series) can be customized.
- For one main door station (D series or V series), up to 8 sub door stations can be configured.

Linked Network Settings

Steps

1. Click **Intercom → Session Settings** to enter the settings page.

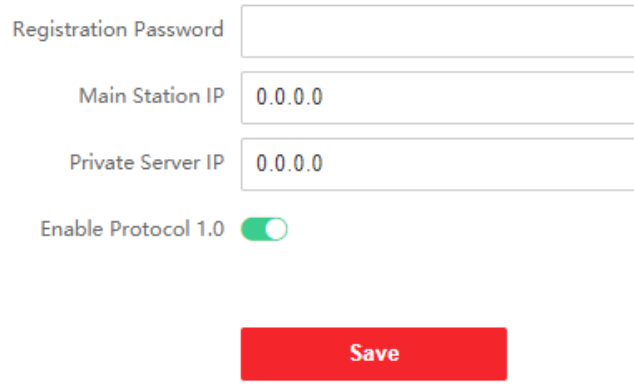


Figure 6-21 Session Settings

2. Set **Registration Password**.
3. Set **Main Station IP** and **Video Intercom Server IP**.
4. Click to enable Protocol 1.0.
5. Click **Save** to enable the settings.

Password Settings

Set public password.

Click **Intercom → Password Settings** to enter the page.

Click **Add** to add password.

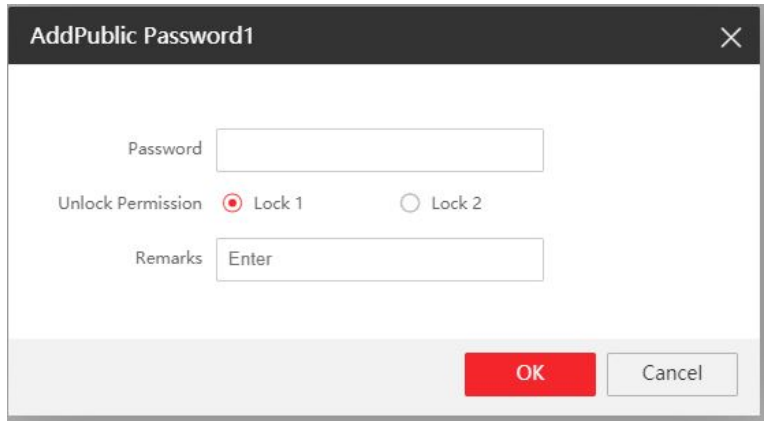


Figure 6-22 Add Password

Set password and remarks and click to enable electric lock.

Click **Save** to save the settings.

Call Settings

Go to **Intercom → Call Settings** to enter the page.

Configure **Max. Call Communication**, **Max. Message Duration** and **Max. Ring Duration**, and click **Save**.

Note

- Max. call duration between the module indoor station and client ranges from 90 s to 120 s. The call will end automatically when the actual calling duration is longer than the configured one.
- Max. message duration ranges from 30 s to 60 s. The message will end automatically when the actual message duration is longer than the configured one.
- Max. ring duration ranges from 65 s to 255 s.

Ring-Back Tone Settings

Click **Intercom → Ringbacktone Settings** to enter the settings page.

Click **Add** to select the ring tone from PC.

Note

Available Audio Format: WAV、 AAC, Size: Less than 600 KB, Sample Rate: 8000Hz, Mono.

Press Button to Call

Steps

1. Click **Intercom → Press Button to Call** to enter the page.
2. Select **Main Unit** or **Sub Module** to set the buttons.

   Main Unit

   If you select **Main Unit**, you should configure **Button Settings** and select **Link Time Schedule** as Template Plan 1 or Enable Indoor Station All Day by Default.

   Sub Unit

   - When you select **Sub Unit**, all connected sub modules will be listed.
   - **No.** represents the address of each sub module.
   - Enter room No. of indoor station in the **Button Settings** column for each alarm in interface.
3. Click **Save** to enable the settings.

I/O Settings

Steps

1. Click **Intercom → I/O Settings** to enter the I/O input and output settings page.

2. Select **I/O input No.**, **input** mode, **output No.**, and **output** mode.
3. Click **Save** to enable the settings.

Note

- For door station, there are 4 I/O input terminals. By default, Terminal 1 and 2 correspond to Door Status. Terminal 3 and 4 correspond to interfaces of Door Switch.
- For door station, there are 2 I/O Output Terminals. Terminal 1 and 2 correspond to Door interfaces (NO1/COM/NC1; NO2/COM/NC2) of door station. Door 1 is enabled by default. You can enable/disable IO Out according to needs.

Sub Module Configuration

Steps

1. Click **Intercom → Sub Module Configuration** , and you can view the sub module information, including No., module type, status, and version.
2. Click ⚙ to edit the sub module.

Display Module

- Slide to adjust **Screen Backlight Brightness**.
- Slide **Enable Buzzer** to enable the function.

Touch-Display Module

- Slide to adjust **Screen Backlight Brightness**.
- Slide **Enable Buzzer** to enable the function.
- Select **Address Book Display Mode** according to actual needs.
- Enable **Homepage Shortcut Dial**, you can tap contact on the main page to call.
- Click **Add** to add custom buttons.

PMR Module

Click to enable power consumption selection.

You can select **8 W**, **6 W** or **4 W** for the PMR Module.

Note

If the system power goes off, an external power supply of 12 V, 2 A for the main unit is necessary.

Note

- The module address is used to differentiate the sub modules. See *Configure Sub Module Address* for detailed configuration instructions.
- For the other sub modules (indicator module, keypad module and card reader module), it prompts **Not supported**.
- The room No. for the main unit's call button is 1 by default; and the room No. for the nametag modules call buttons are 2 to 7 by default.

Number Settings

Link the room No. and SIP numbers.

Click **Number Settings** to enter the page.

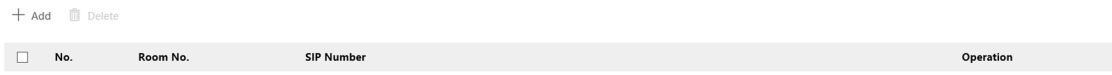


Figure 6-23 Number Settings

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

6.4.9 Access Control Settings

Door Parameters

Set the parameters of the door which is linked to the device.

Steps

1. Click **Access Control → Door Parameters** to enter the settings page.

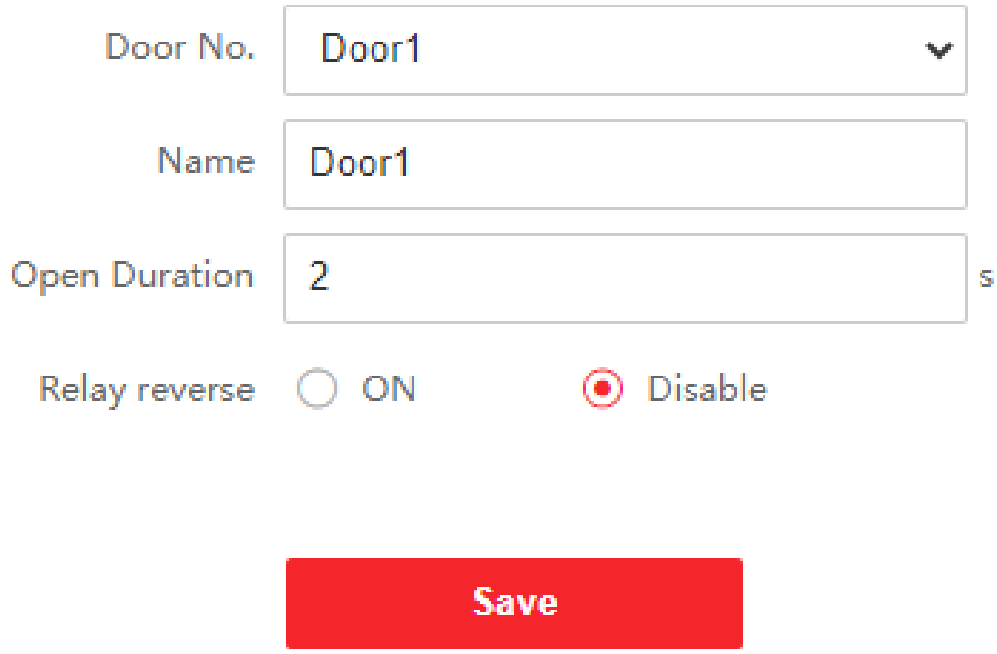


Figure 6-24 Door Parameters

2. Select **Door No.**, and edit the **Name**.
3. Set **Open Duration**. When the time to open over the open duration you set, the door will be locked again.
4. Select **Relay Reverse** as **ON** or **Disable**.
5. Click **Save** to enable the settings.

Elevator Control

Before You Start

Make sure that the door station is in the mode of main door station. Only the main door station supports elevator control function.

Steps

1. Click **Access Control → Elevator Control Parameter** to enter the settings page.

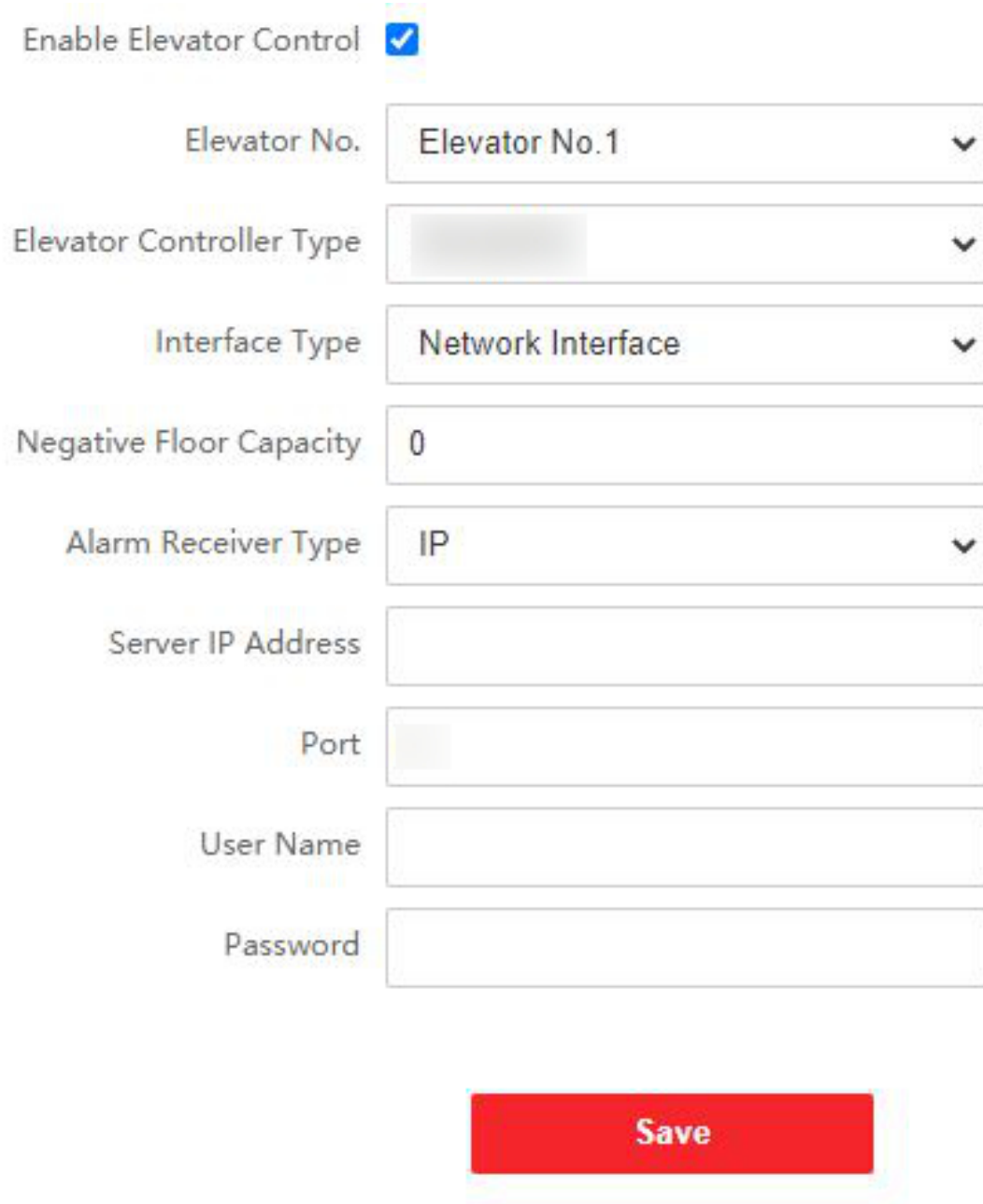


Figure 6-25 Elevator Control

2. Check to enable elevator control function.
3. Select an Elevator No., and select an elevator controller.
4. Select **Interface Type**.
5. Enter **Negative Floor Capacity**, and select **Alarm Receiver Type**.
6. Enter the elevator controller's **Server IP Address**, **Port No.**, **User Name**, and **Password**.
7. Click **Save** to enable the settings.

Note

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

Chapter 7 Configuration via Client Software

7.1 Device Management

Device management includes device activation, adding device, editing device, and deleting device, and so on.

After running the iVMS-4200, video intercom devices should be added to the client software for remote configuration and management.

7.1.1 Add Online Device

Before You Start

Make sure the device to be added is in the same subnet with your computer. Otherwise, please edit network parameters first.

Steps

1. Click **Online Device** to select an active online device.
2. Click **Add**.
3. Enter corresponding information, and click **Add**.

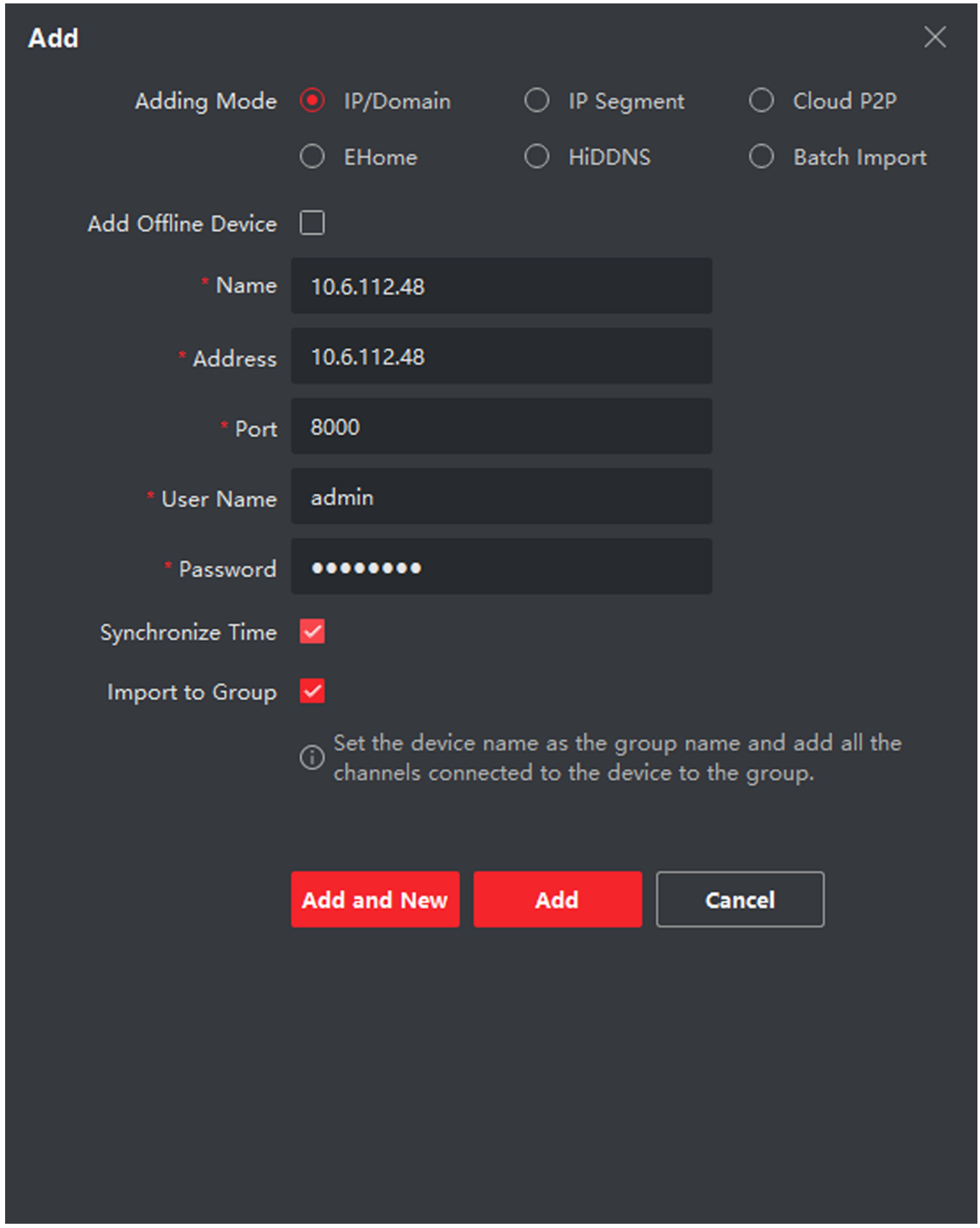


Figure 7-1 Add to the Client

7.1.2 Add Device by IP Address

Steps

1. Click **+Add** to pop up the adding devices dialog box.
2. Select **IP/Domain** as **Adding Mode**.
3. Enter corresponding information.
4. Click **Add**.

7.1.3 Add Device by IP Segment

You can add many devices at once whose IP addresses are among the IP segment.

Steps

1. Click **+Add** to pop up the dialog box.
2. Select **IP Segment** as **Adding Mode**.
3. Enter corresponding information, and click **Add**.

7.2 Live View via Door Station

Steps

1. On the main page of the client software, click **Main View** to enter the Live View page.
2. In the left list of the window, double-click the device IP or click the play icon to live view.
3. **Optional:** On the Live View page, control-click and select **Capture** to get the picture of the live view.

7.3 Parameters Settings

Click **Configuration** to set the parameters of the device.

Remote configuration in iVMS-4200 and Batch Configuration Tool is the same as that in Web. Here takes the configuration in web for example.

Note

Run the browser, click → **Internet Options** → **Security** to disable the Protected Mode.

7.3.1 Device Management

You can manage the linked device on the page.

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

Figure 7-2 Device Management

Add Device

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

Export

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

Delete

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

Synchronize

Click **Synchronize** and enable **Synchronize** for device synchronization.

Note

When enabling the function, the activated devices will synchronize parameters. Inactivated devices synchronize parameters whether the function is enabled or not.

Refresh

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

Optional: Set device information.

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

7.3.2 Local Parameters Settings

You can configure the parameters of the live view, record files and captured pictures. The record files and captured pictures are the ones you record and capture by using the web browser. You can also set and view the saving paths of the captured pictures and recorded videos on the PC that running the web browser.

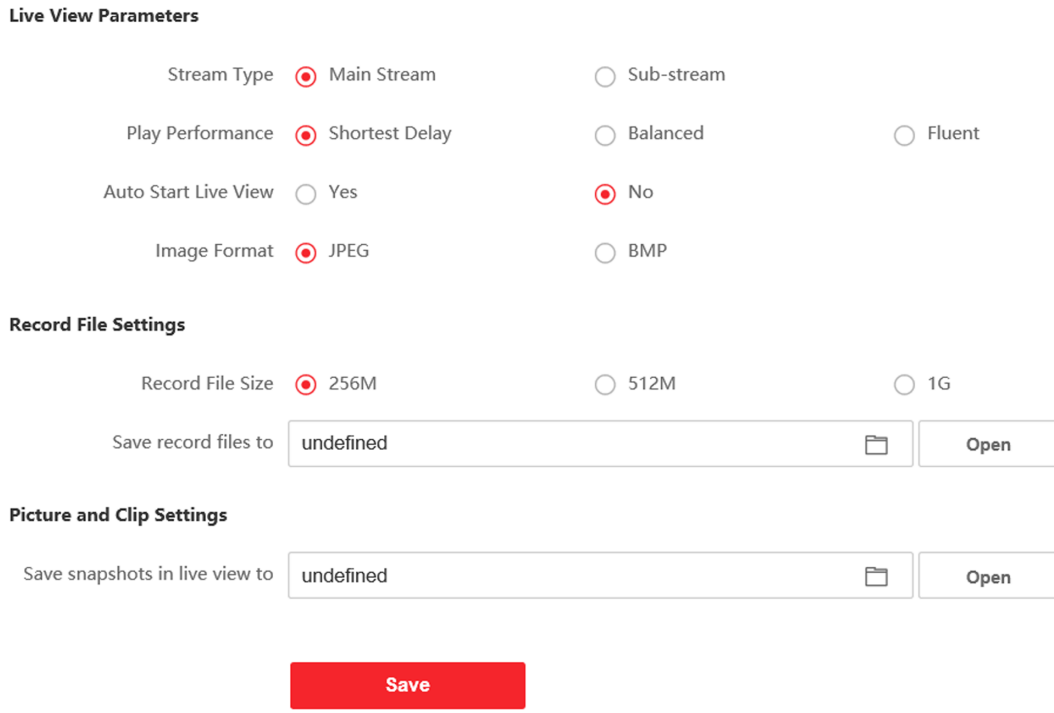


Figure 7-3 Local Parameters

Live View Parameters

Stream Type

Set the stream type as **Main Stream** or **Sub-stream**.

Play Performance

Set the live view performance to **Shortest Delay**, **Balanced** or **Fluent**.

Auto Start Live View

Check **Yes** to enable the function.

Image Format

Select the image format for picture capture.

Click **Save** to enable the settings.

Record File Parameters

Record File Size

Select the packed size of the manually recorded and downloaded video files to **256M**, **512M** or **1G**. After the selection, the maximum record file size is the value you selected.

Save record files to

Set the saving path for the manually recorded video files.

Click **Save** to enable the settings.

Picture and Clip Settings

Save snapshots in live view to

Set the saving path of the manually captured pictures in live view mode.

Note

You can click **Browse** to change the directory for saving the clips and pictures, and click **Open** to open the set folder of clips and picture saving.

Click **Save** to enable the settings.

7.3.3 System Settings

Follow the instructions below to configure the system settings, include System Settings, Maintenance, Security, and User Management, etc.

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

Basic Information

Click **System Settings → Basic Information** to enter the settings page. On the page, you can edit **Device Name** and **Device No.** Set the **Language** according to your needs.
You can view the quantities of added users and cards in **Capacity**.
Click **Save** to enable the settings.

Time Settings

Click **System Settings → Time Settings** to enter the settings page. Select the **Time Zone** of your location from the drop-down list.

- Enable **NTP**, set the **Server Address**, **NTP Port** and **Interval**.
- Enable **Manual Time Sync.**, set the time manually or check the **Sync. with computer time**.

Click **Save** to enable the settings.

DST

Click **System Settings → DST** to check **Enable DST**. Set the parameters according to your needs and click **Save** to enable the settings.

About

Click **System Settings → About** and click **View Licenses** to view open source software licenses.

Maintenance

Click **Maintenance → Upgrade & Maintenance** to enter the settings page.

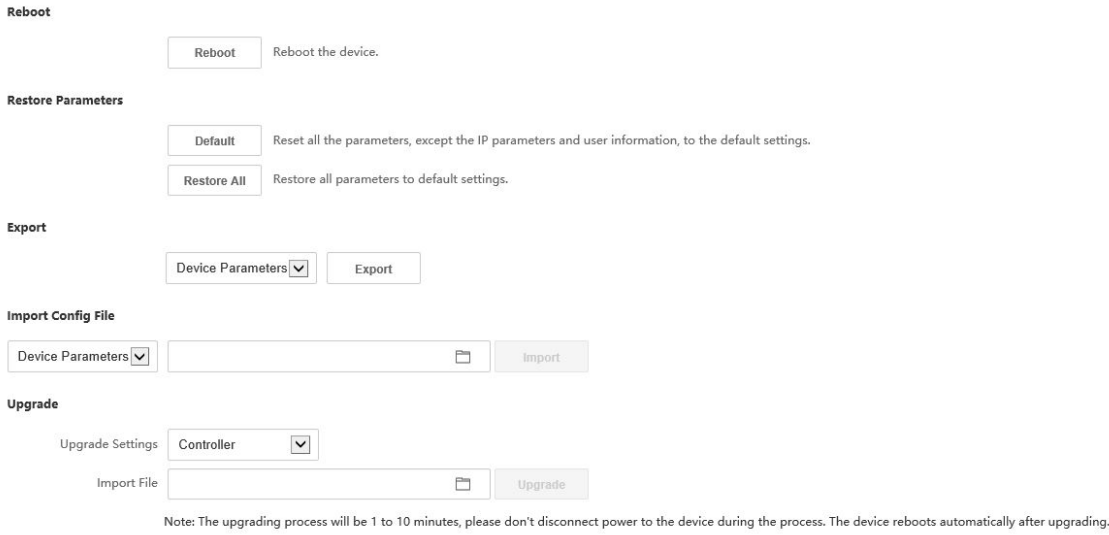


Figure 7-4 Upgrade & Maintenance

- Reboot: Click **Reboot** to reboot the device.
- **Default**

  Click **Default** to reset all the parameters, except the IP parameters and user information, to the default settings.

  Restore All

  Click **Restore All** to restore all parameters to default settings.
- Export parameters:
  1. Select **Device Parameters**, and click **Export** to pop up the dialog box.
  2. Set and confirm the encryption password.
  3. Click **OK** to export parameters.
- Import Config. File:
  1. Click browse icon to select the configuration file.
  2. Click **Import** and enter the encryption password to import.
- Upgrade: Click browse icon to select the upgrade file.

Note

The upgrading process will last 1 to 10 minutes, do not power off during the upgrading. The device reboots automatically after upgrading.

Security Service

Click **Security → Security Service** to enter the settings page. On the page, you can enable SSH according to your actual needs.
Click **Save** to enable the settings.

User Management

Click **User Management** to enter the settings page.
Administrator can edit the permission for the users.

Note

We highly recommend you to create a strong password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.

Online Users

Click **User Management → Online Users** to enter the page.
Click **Refresh** to get the present information.

Arming/Disarming Information

Click **User Management → Arming/Disarming Information** to view the information. Click **Refresh** to get the present information.

7.3.4 Network Settings

TCP/IP Settings

TCP/IP settings must be properly configured before you operate the device over network. The device supports IPv4.

Steps

1. Click **Network → Basic Settings → TCP/IP** to enter the settings page.

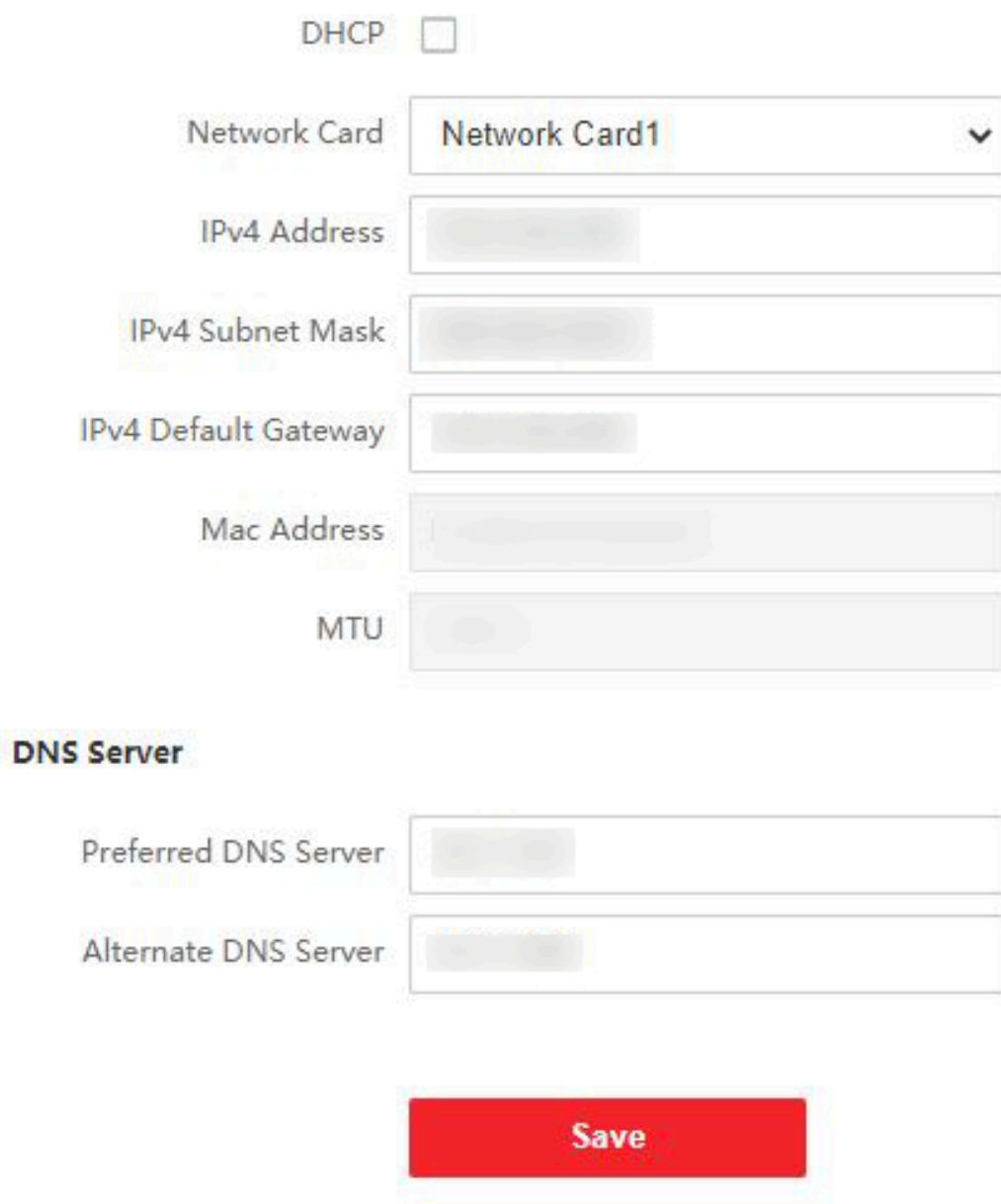


Figure 7-5 TCP/IP Settings

2. Configure the network parameters.
   - Enable **DHCP** and the device will get the parameters automatically.
   - Disable **DHCP** and set the **IPv4 Address**, **IPv4 Subnet Mask** and **IPv4 Default Gateway** manually.
3. Configure the corresponding DNS server parameters.
4. Click **Save** to enable the settings.

Port Settings

Steps

1. Click **Network → Basic Settings → Port** to enter the settings page.

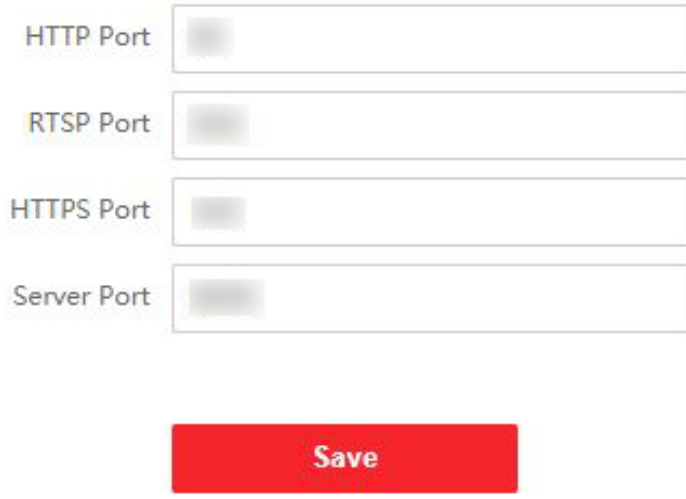


Figure 7-6 Port Settings

2. Set the ports of the device.

   HTTP Port

   The default port number is 80, and it can be changed to any port No. which is not occupied.

   RTSP Port

   The default port number is 554.

   HTTPS Port

   The default port number is 443, and it can be changed to any port No. which is not occupied.

   Server Port

   The default server port number is 8000, and it can be changed to any port No. ranges from 2000 to 65535.

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

SIP Setting

Steps

1. Click **Network → Basic Settings → SIP** to enter the settings page.

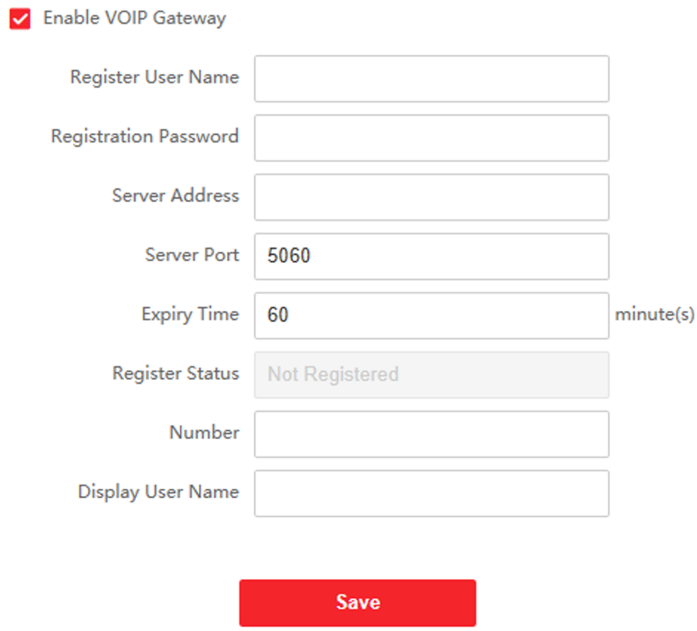


Figure 7-7 SIP Settings

2. Check **Enable VOIP Gateway**.
3. Configure the SIP parameters.
4. Click **Save** to enable the settings.

FTP Settings

Steps

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

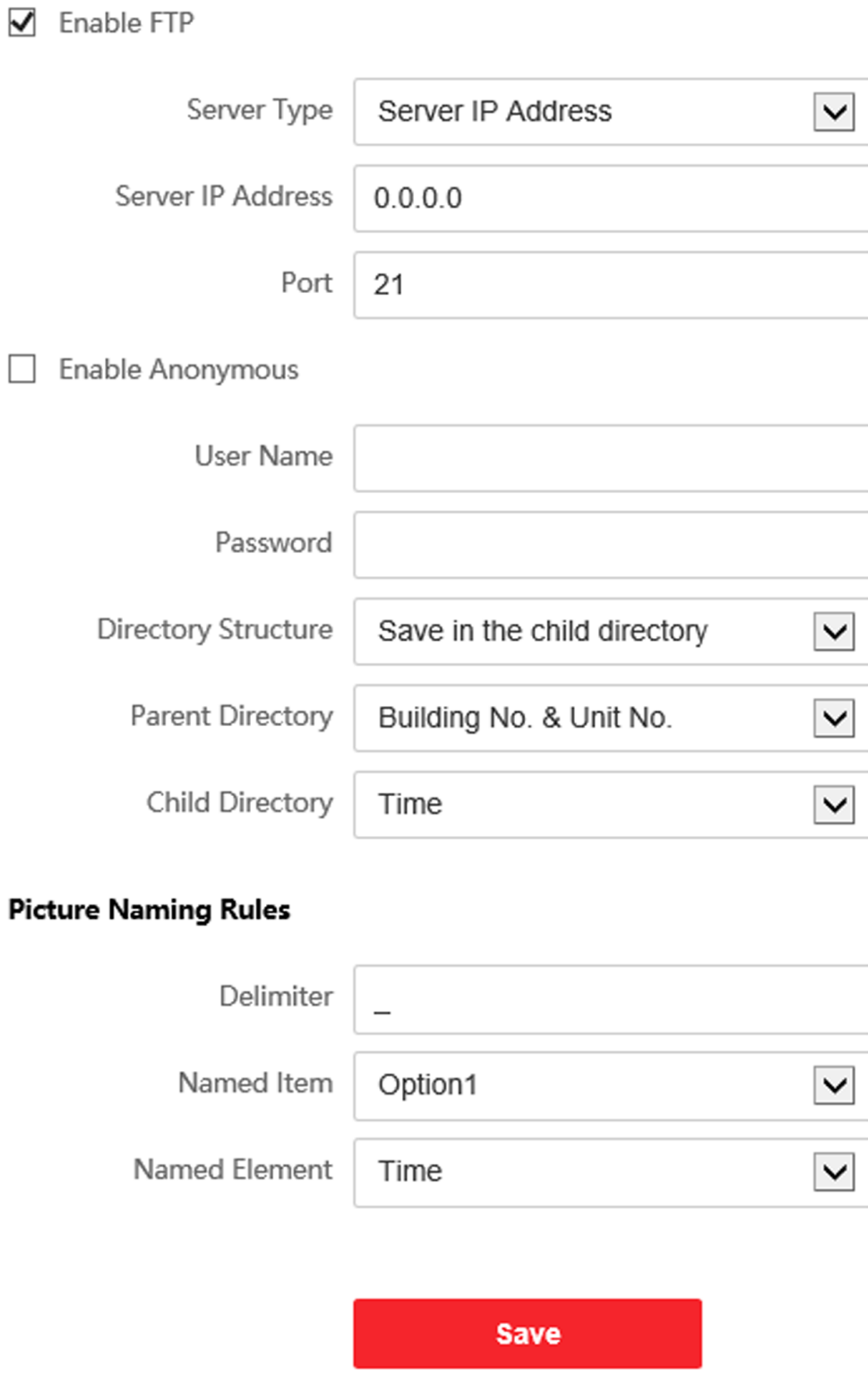


Figure 7-8 FTP Settings

2. Check **Enable FTP**.
3. Select **Server Type**.
4. Input the **Server IP Address** and **Port**.
5. Configure the FTP Settings, and the user name and password are required for the server login.
6. Set the **Directory Structure**, **Parent Directory** and **Child Directory**.
7. Set the picture naming rules.
8. Click **Save** to enable the settings.

7.3.5 Video & Audio Settings

Video Parameters

Steps

1. Click **Video/Audio → Video** to enter the settings page.

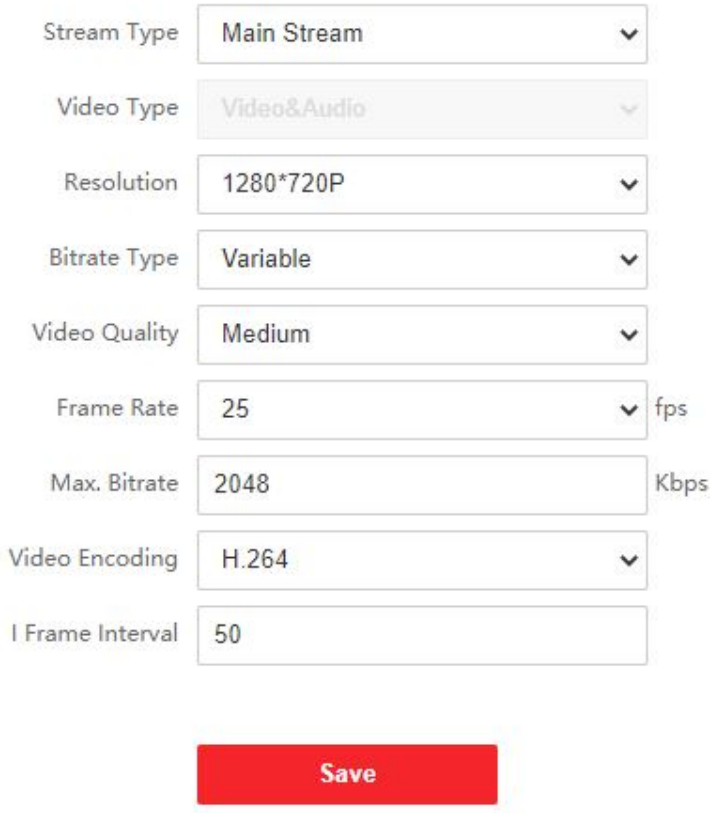


Figure 7-9 Video Parameters

2. Select the **Stream Type**.
3. Configure the video parameters.

Stream Type

Select the stream type to main stream or sub stream.

Video Type

Select the stream type to video stream, or video & audio composite stream. The audio signal will be recorded only when the **Video Type** is **Video & Audio**.

The video type is video & audio read only by default.

Resolution

Select the resolution of the video output.

Bitrate Type

Select the bitrate type as constant or variable.

Video Quality

When bitrate type is selected as Variable, 6 levels of video quality are selectable.

Frame Rate

Set the frame rate. The frame rate is to describe the frequency at which the video stream is updated and it is measured by frames per second (fps). A higher frame rate is advantageous when there is movement in the video stream, as it maintains image quality throughout.

Max. Bitrate

Set the max. bitrate from 32 to 16384 Kbps. The higher value corresponds to the higher video quality, but the better bandwidth is required.

Video Encoding

The device supports H.264.

I Frame Interval

Set I Frame Interval from 1 to 400.

4. Click **Save** to save the settings.

Audio Parameters

Steps

1. Click **Video/Audio → Audio** to enter the settings page.

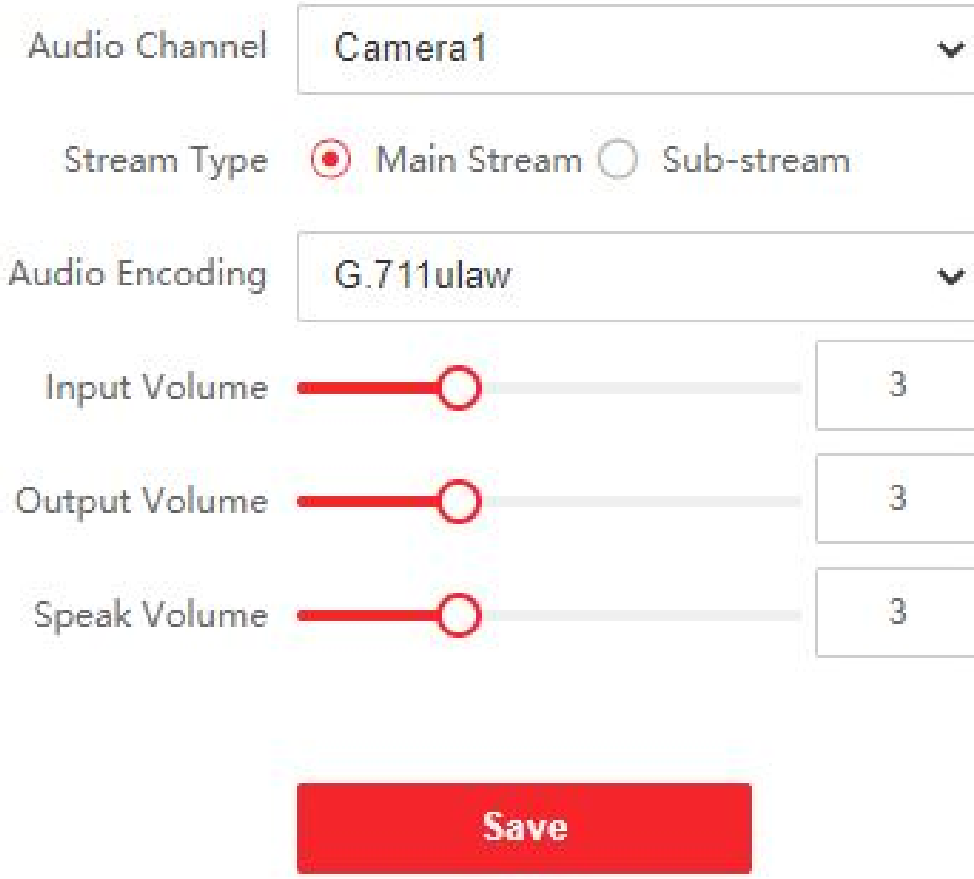


Figure 7-10 Audio Settings

2. Configure the stream type and the audio encoding type.

Audio Channel

Select the audio channel to adjust the audio parameters.

Stream Type

Select the stream type to main stream or sub stream.

Audio Encoding

The device support G.711ulaw and G.711 alaw.

3. Adjust the **Input Volume**, **Output Volume** and **Speak Volume**.

Note

Available range of volume: 0 to 10.

4. Click **Save** to save the settings.

7.3.6 Image Settings

Display Settings

Configure the image adjustment, backlight settings and other parameters in display settings.

Steps

1. Click **Image → Display Settings** to enter the display settings page.

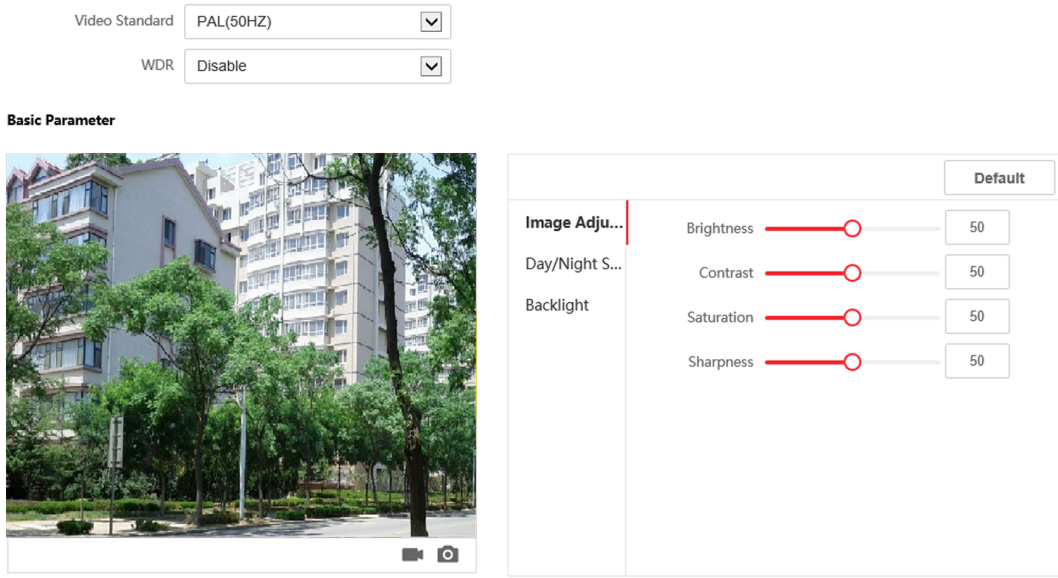


Figure 7-11 Display Settings

2. Select the **Video Standard**.
3. Select to enable or disable **WDR**.

Note

Wide Dynamic Range can be used when there is a high contrast of the bright area and the dark area of the scene.

4. Set the basic parameters.

Brightness

Brightness describes bright of the image, which ranges from 1 to 100.

Contrast

Contrast describes the contrast of the image, which ranges from 1 to 100.

Saturation

Saturation describes the colorfulness of the image color, which ranges from 1 to 100.

Sharpness

Sharpness describes the edge contrast of the image, which ranges from 1 to 100.

5. Set the **Day/Night Switch**.

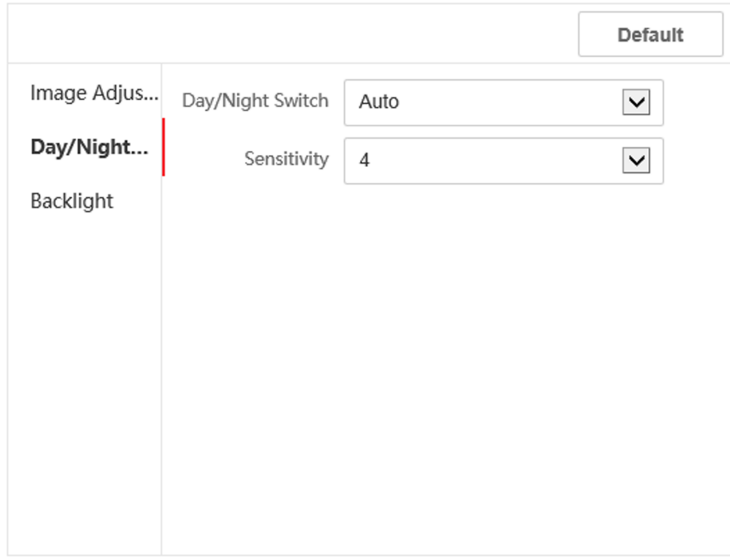


Figure 7-12 Day/Night Switch

- Set **Daytime** or **Night**.
- Set the mode as **Auto** and edit the sensitivity according to your needs.
- Set the mode as **Scheduled-Switch**. Set the start time and end time.

6. Set the backlight parameters.

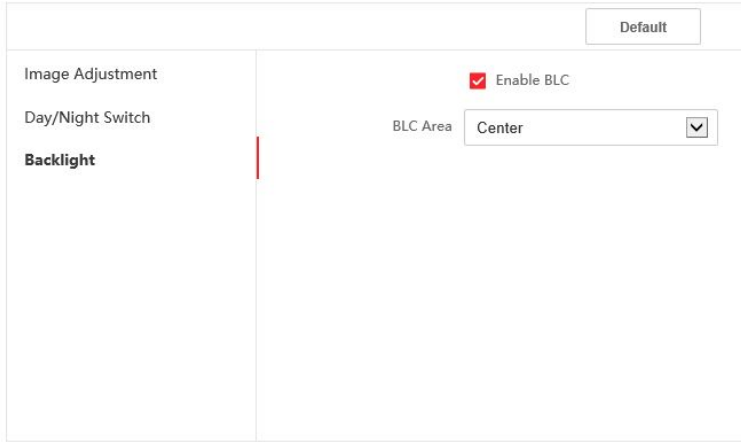


Figure 7-13 Backlight

1) Check to enable BLC.
2) Select **BLC Area**.

OSD Settings

You can customize the camera name, time/date format on the live view.

Steps

1. Click **Image → OSD** to enter the settings page.

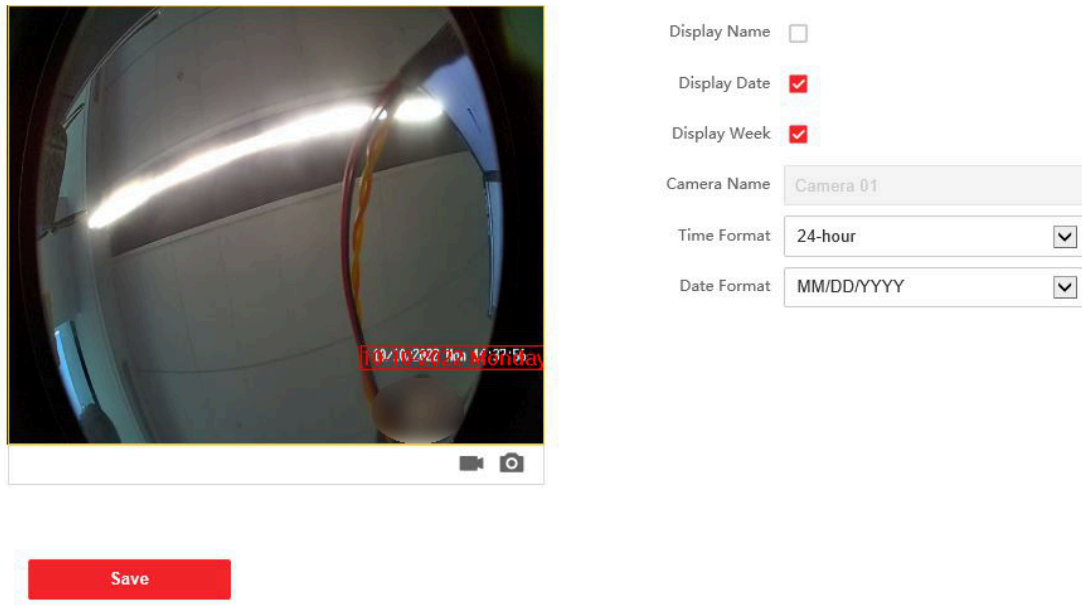


Figure 7-14 OSD

2. Check to enable **Display Name**, **Display Date** or **Display Week** at your actual needs.
3. Edit the **Camera Name**.

Note

You can edit the camera name only when **Display Name** is enabled.

4. Select from the drop-down list to set the **Time Format** and **Date Format**.
5. Click **Save** to enable the settings.

Target Cropping

Steps

1. Click **Image → Crop** to enter the page.
2. Check **Enable Target Cropping** to enable the function.
3. Click to capture photo.
4. Click to start recording.
5. Select **Cropping Resolution**.
6. Click **Save**.

Note

- You can select **Cropping Resolution** as **704*576**, **1280*720**, or **1920*1080**.
- You can zoom in or zoom out the image by selecting **Cropping Resolution** after clicking **Save**.

7.3.7 Schedule Settings

You can create call schedule, or else the device will call indoor station all day by default.

Steps

1. Click **Schedule → Video Intercom → Call Schedule** .
2. Click the next row below **Enable Indoor Station All Day by Default**.
3. Enter **Schedule Name**.
4. Select **Call Type**.
5. Set **Weekly Schedule**.
   1) Click **Weekly Schedule**.

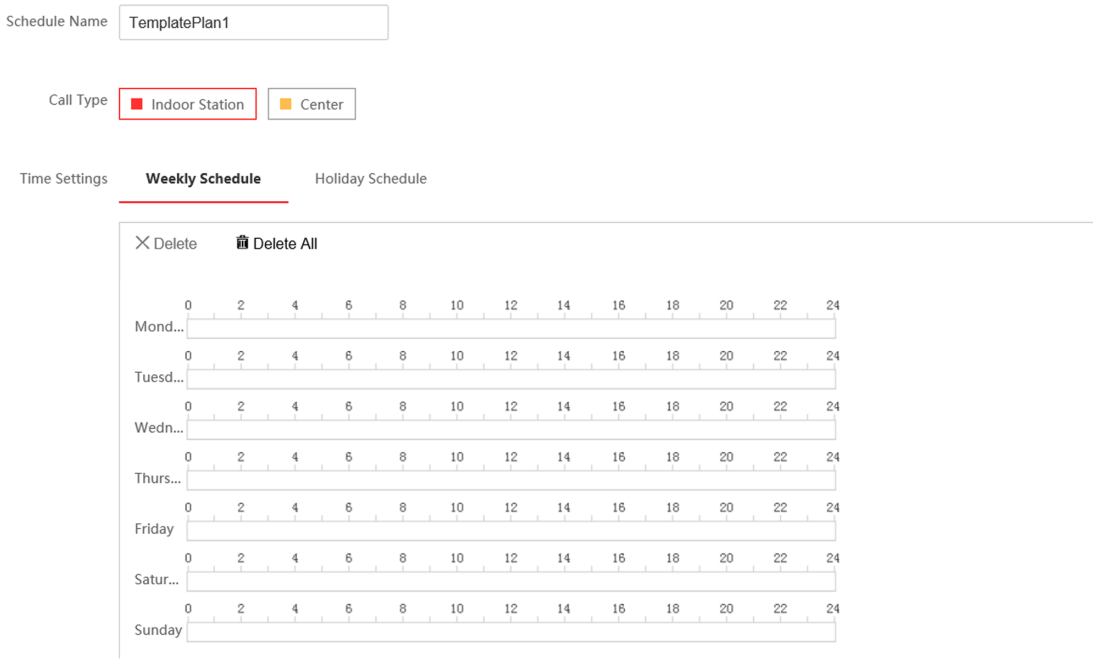


Figure 7-15 Weekly Schedule

   2) Drag mouse to set the schedule according to the actual needs.
   3) **Optional:** Click the copy icon to copy the schedule to other days according to the actual needs.
   4) Click **Save**.
6. Set **Holiday Schedule**.
   1) Click **Holiday Schedule**.

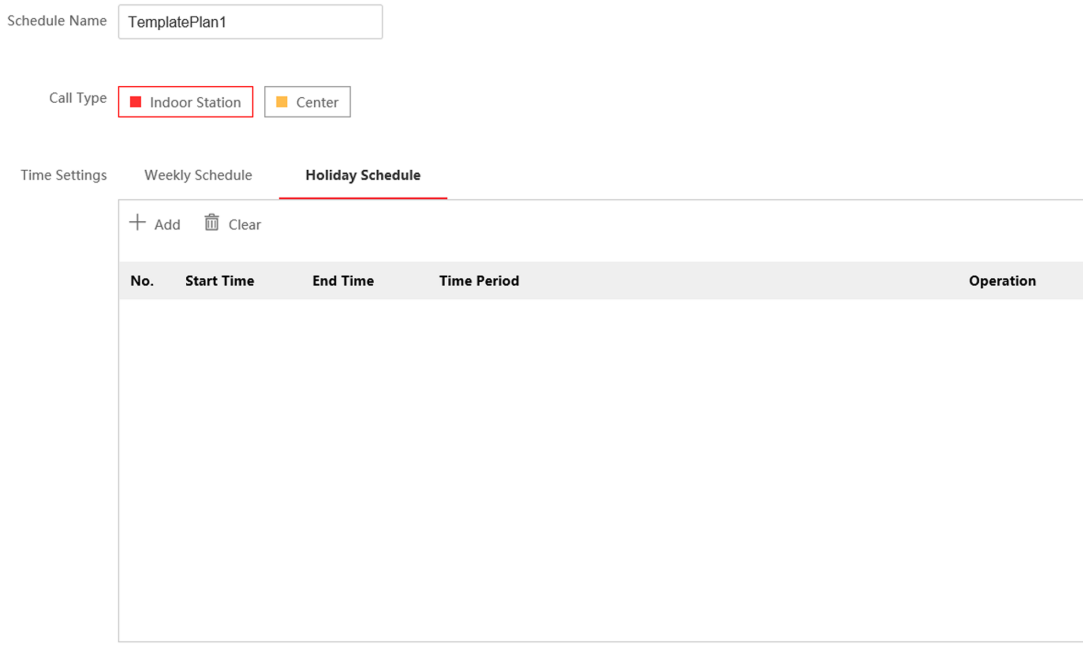


Figure 7-16 Holiday Schedule

2) Click **Add**.
3) Set **Start Time** and **End Time**.
4) Select **Call Type**.
5) Drag mouse to set the schedule according to the actual needs.
6) Click **OK**.
7) You can edit or delete the schedule according to the actual needs.
8) Click **Save**.

Note

The holiday schedule have higher priority than weekly schedule when you set the two schedule at the same time.

7.3.8 Intercom Settings

Device No. Configuration

Set the No. of the device, and linked devices can build a communication.

Steps

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

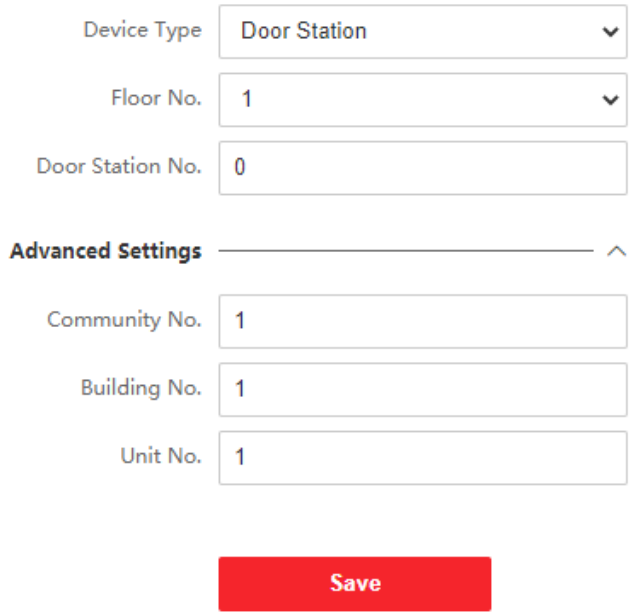


Figure 7-17 Device No. Settings

2. Select the device type from the drop-down list, and set the corresponding information.
3. Click **Save** to enable the device number configuration.

Note

- For main door station (D series or V series), the serial No. is 0.
- For sub door station (D series or V series), the serial No. cannot be 0. Serial No. ranges from 1 to 99.
- For each villa or building, at least one main door station (D series or V series) should be configured, and one sub door stations (D series or V series) can be customized.
- For one main door station (D series or V series), up to 8 sub door stations can be configured.

Linked Network Settings

Steps

1. Click **Intercom → Session Settings** to enter the settings page.

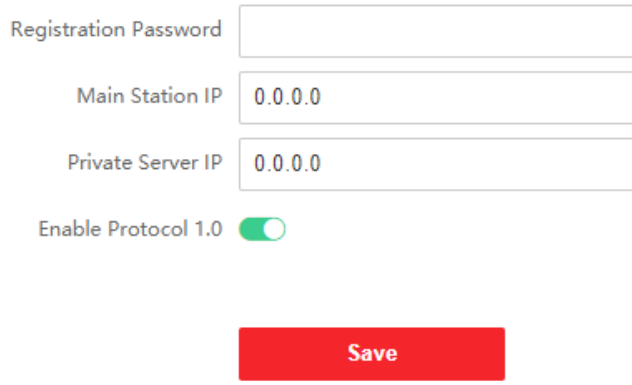


Figure 7-18 Session Settings

2. Set **Registration Password**.
3. Set **Main Station IP** and **Video Intercom Server IP**.
4. Click to enable Protocol 1.0.
5. Click **Save** to enable the settings.

Call Settings

Go to **Intercom → Call Settings** to enter the page.

Configure **Max. Call Communication**, **Max. Message Duration** and **Max. Ring Duration**, and click **Save**.

Note

- Max. call duration between the module indoor station and client ranges from 90 s to 120 s. The call will end automatically when the actual calling duration is longer than the configured one.
- Max. message duration ranges from 30 s to 60 s. The message will end automatically when the actual message duration is longer than the configured one.
- Max. ring duration ranges from 65 s to 255 s.

Ring-Back Tone Settings

Click **Intercom → Ringbacktone Settings** to enter the settings page.

Click **Add** to select the ring tone from PC.

Note

Available Audio Format: WAV、AAC, Size: Less than 600 KB, Sample Rate: 8000Hz, Mono.

Press Button to Call

Steps

1. Click **Intercom → Press Button to Call** to enter the page.
2. Select **Main Unit** or **Sub Module** to set the buttons.

   Main Unit

   If you select **Main Unit**, you should configure **Button Settings** and select **Link Time Schedule** as Template Plan 1 or Enable Indoor Station All Day by Default.

   Sub Unit

   - When you select **Sub Unit**, all connected sub modules will be listed.
   - **No.** represents the address of each sub module.
   - Enter room No. of indoor station in the **Button Settings** column for each alarm in interface.
3. Click **Save** to enable the settings.

Input and Output

Go to **Intercom → I/O Settings** to enter the settings page.

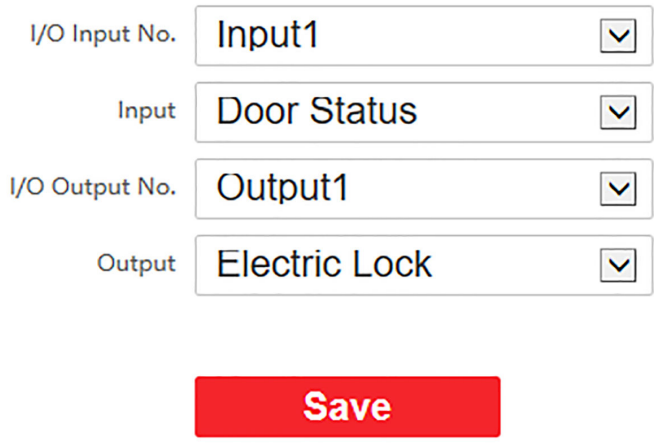


Figure 7-19 IO Input and Output

Select **I/O Input No.**, **Input**, **I/O Output No.** and **Output**.

Click **Save** to enable the settings.

Note

- I/O Input supports 4-channel inputs.

Table 7-1 I/O Input

I/O Input No.	Input
1	Door Status
2	Disable/Door Status
3	Exit Button
4	Disable/Exit Button

- I/O Output supports 2-channel outputs.

Table 7-2 I/O Output

I/O Output No.	Output
1	Electric Lock
2	Disable/Electric Lock

Sub Module Configuration

Steps

1. Click **Intercom → Sub Module Configuration** , and you can view the sub module information, including No., module type, status, and version.
2. Click ⚙ to edit the sub module.

Display Module

- Slide to adjust **Screen Backlight Brightness**.
- Slide **Enable Buzzer** to enable the function.

Touch-Display Module

- Slide to adjust **Screen Backlight Brightness**.
- Slide **Enable Buzzer** to enable the function.
- Select **Address Book Display Mode** according to actual needs.
- Enable **Homepage Shortcut Dial**, you can tap contact on the main page to call.
- Click **Add** to add custom buttons.

PMR Module

Click to enable power consumption selection.

You can select **8 W**, **6 W** or **4 W** for the PMR Module.

Note

If the system power goes off, an external power supply of 12 V, 2 A for the main unit is necessary.

Note

- The module address is used to differentiate the sub modules. See *Configure Sub Module Address* for detailed configuration instructions.
- For the other sub modules (indicator module, keypad module and card reader module), it prompts **Not supported**.
- The room No. for the main unit's call button is 1 by default; and the room No. for the nametag modules call buttons are 2 to 7 by default.

Number Settings

Steps

1. Click **Intercom → Number Settings** , and you can view the No., room No., and SIP number.
2. Add the number.
   1) Click **Add**.
   2) Enter **Room No.**, and **SIP**.
   3) **Optional:** Click **Add** to add SIP according to the actual needs.
   4) Click **OK**.
3. **Optional:** Click to edit the number.

7.3.9 Access Control Settings

Permission Password

Steps

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

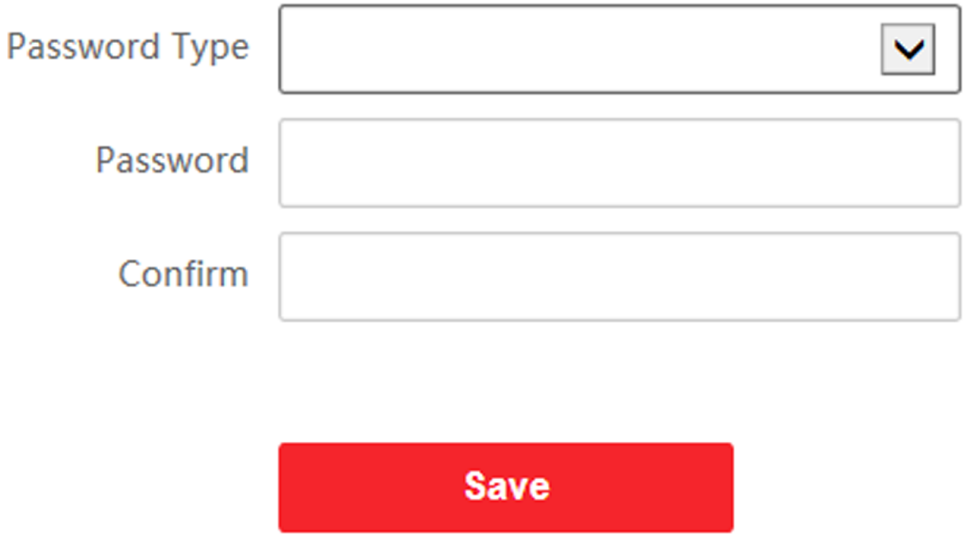


Figure 7-20 Password Settings

2. Select **Password Type**.
3. Enter and confirm the password.
4. Click **Save** to enable the settings.

Door Parameters

Set the parameters of the door which is linked to the device.

Steps

1. Click **Access Control → Door Parameters** to enter the settings page.

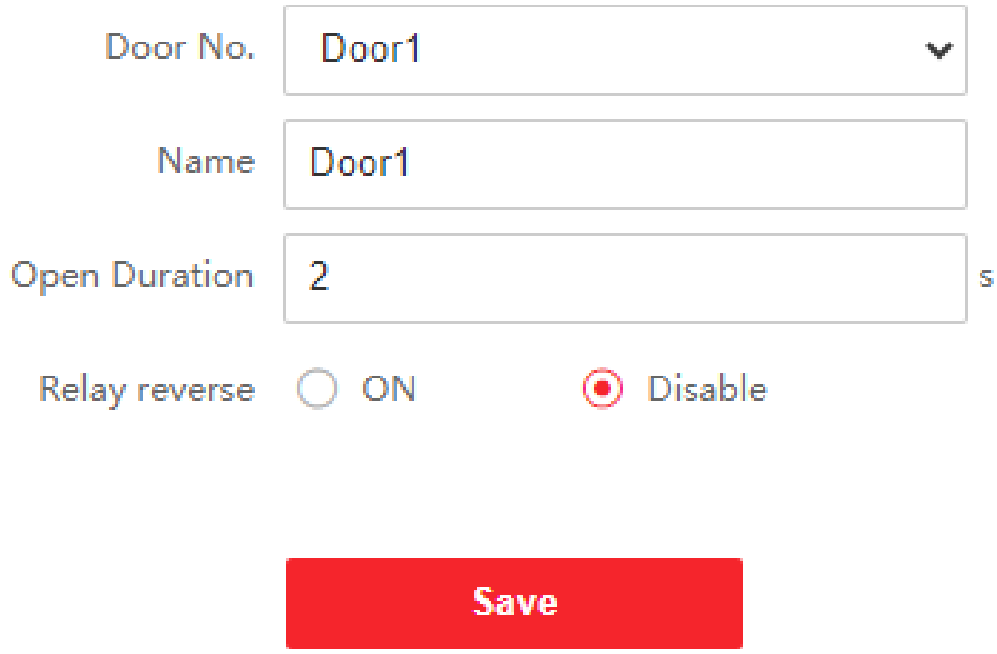


Figure 7-21 Door Parameters

2. Select **Door No.**, and edit the **Name**.
3. Set **Open Duration**. When the time to open over the open duration you set, the door will be locked again.
4. Select **Relay Reverse** as **ON** or **Disable**.
5. Click **Save** to enable the settings.

Card Security

Click **Access Control → Card Security** to enter the settings page.

Slide to enable card encryption parameters.

Click **Save** to enable the settings.

Elevator Control

Before You Start

Make sure that the door station is in the mode of main door station. Only the main door station supports elevator control function.

Steps

1. Click **Access Control → Elevator Control Parameter** to enter the settings page.

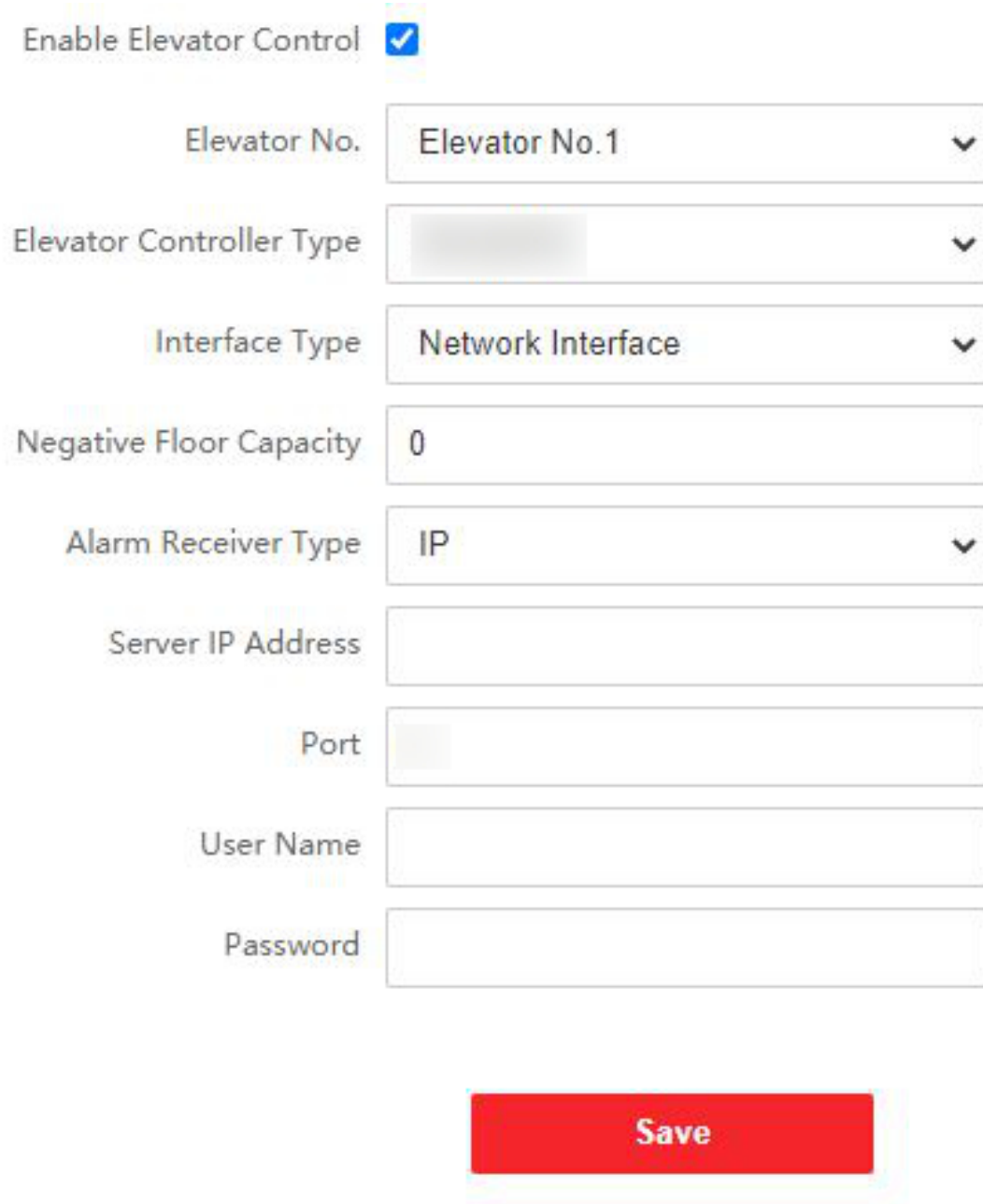


Figure 7-22 Elevator Control

2. Check to enable elevator control function.
3. Select an Elevator No., and select an elevator controller.
4. Select **Interface Type**.
5. Enter **Negative Floor Capacity**, and select **Alarm Receiver Type**.
6. Enter the elevator controller's **Server IP Address**, **Port No.**, **User Name**, and **Password**.
7. Click **Save** to enable the settings.

Note

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

7.4 Organization Management

On the main page of the Client Software, click **PersonalManagement** to enter the configuration page.

7.4.1 Add Organization

Steps

1. In the organization list on the left, click **+Add**.
2. Enter the **Organization Name** as desired.
3. Click **OK** to save the adding.
4. **Optional:** You can add multiple levels of organizations according to the actual needs.
   1) You can add multiple levels of organizations according to the actual needs.
   2) Then the added organization will be the sub-organization of the upper-level organization.

Note

Up to 10 levels of organizations can be created.

7.4.2 Modify and Delete Organization

You can select the added organization and click to modify its name.

You can select an organization, and click **X** button to delete it.

Note

- The lower-level organizations will be deleted as well if you delete an organization.
- Make sure there is no person added under the organization, or the organization cannot be deleted.

7.5 Person Management

After adding the organization, you can add person to the organization and manage the added person such as issuing cards in batch, importing and exporting person's information in batch, etc.

Note

- Up to 2,000 persons can be added.
- Up to 5 cards can be added to each person.

7.5.1 Add Person

Person information is necessary for the video intercom system. And when you set linked device for the person, the intercom between intercom devices can be realized.

Steps

1. Select an organization in the organization list and click **Add** on the Person panel to pop up the adding person dialog.

   Note

   The Person No. will be generated automatically and is editable.

2. Set basic person information.
   1) Enter basic information: name, tel, birthday details, effective period and email address.

      Note

      The length of person name should be less than 15 characters.

   2) Click **Add** face to upload the photo.

      Note

      The picture should be in *.jpg format.

Click Upload	Select the person picture from the local PC to upload it to the client.
Click Take Phone	Take the person's photo with the PC camera.
Click Remote Collection	Take the person's photo with the collection device.

3. Issue the card for the person.
   1) Click **Credential → Card** .
   2) Click **+** to pop up the Add Card dialog.
   3) Select **Normal Card** as **Card Type**.
   4) Enter the **Card No.**
   5) Click **Read** and the card(s) will be issued to the person.
4. Link the device to the person.
   1) Set the linked devices.

      Linked Device

      You can bind the indoor station to the person.

Note

If you select **Analog Indoor Station** in the Linked Device, the **Door Station** field will display and you are required to select the door station to communicate with the analog indoor station.

Room No.

You can enter the room No. of the person.

2) Click **OK** to save the settings.

5. Click **Add** to save the settings.

7.5.2 Modify and Delete Person

Select the person and click **Edit** to open the editing person dialog.

To delete the person, select a person and click **Delete** to delete it.

Note

If a card is issued to the current person, the linkage will be invalid after the person is deleted.

7.5.3 Import and Export Person Information

The person information can be imported and exported in batch.

Steps

1. Exporting Person: You can export the added persons' information in Excel format to the local PC.
   1) After adding the person, you can click **Export Person** to pop up the following dialog.
   2) Click **...** to select the path of saving the exported Excel file.
   3) Check the checkboxes to select the person information to export.
   4) Click **OK** to start exporting.
2. Importing Person: You can import the Excel file with persons information in batch from the local PC.
   1) Click **Import Person**.
   2) You can click **Download Template for Importing Person** to download the template first.
   3) Input the person information to the downloaded template.
   4) Click **...** to select the Excel file with person information.
   5) Click **OK** to start importing.

7.5.4 Get Person Information from Device

If the added device has been configured with person information (including person details, fingerprint, issued card information), you can get the person information from the device and import to the client for further operation.

Steps

Note

This function is only supported by the device the connection mothod of which is TCP/IP when adding the device.

1. In the organization list on the left, click to select an organization to import the persons.
2. Click **Get from Device** to pop up the dialog box.
3. The added device will be displayed.
4. Click to select the device and then click **Get** to start getting the person information from the device.

Note

- The person information, including person details, person's fingerprint information (if configured), and the linked card (if configured), will be imported to the selected organization.
- If the person name stored in the device is empty, the person name will be filled with the issued card No. after importing to the client.

7.5.5 Change Person to Other Organization

You can move the person to another organization if needed.

Steps

1. Select the person in the list and click **Change Organization**.
2. Select the organization to move the person to.
3. Click **OK** to save the settings.

7.5.6 Issue Card in Batch

You can issue multiple cards for the person with no card issued in batch.

Steps

1. Click **Batch Issue Cards** to enter the dialog page. All the added person with no card issued will display in the Person(s) with No Card Issued list.

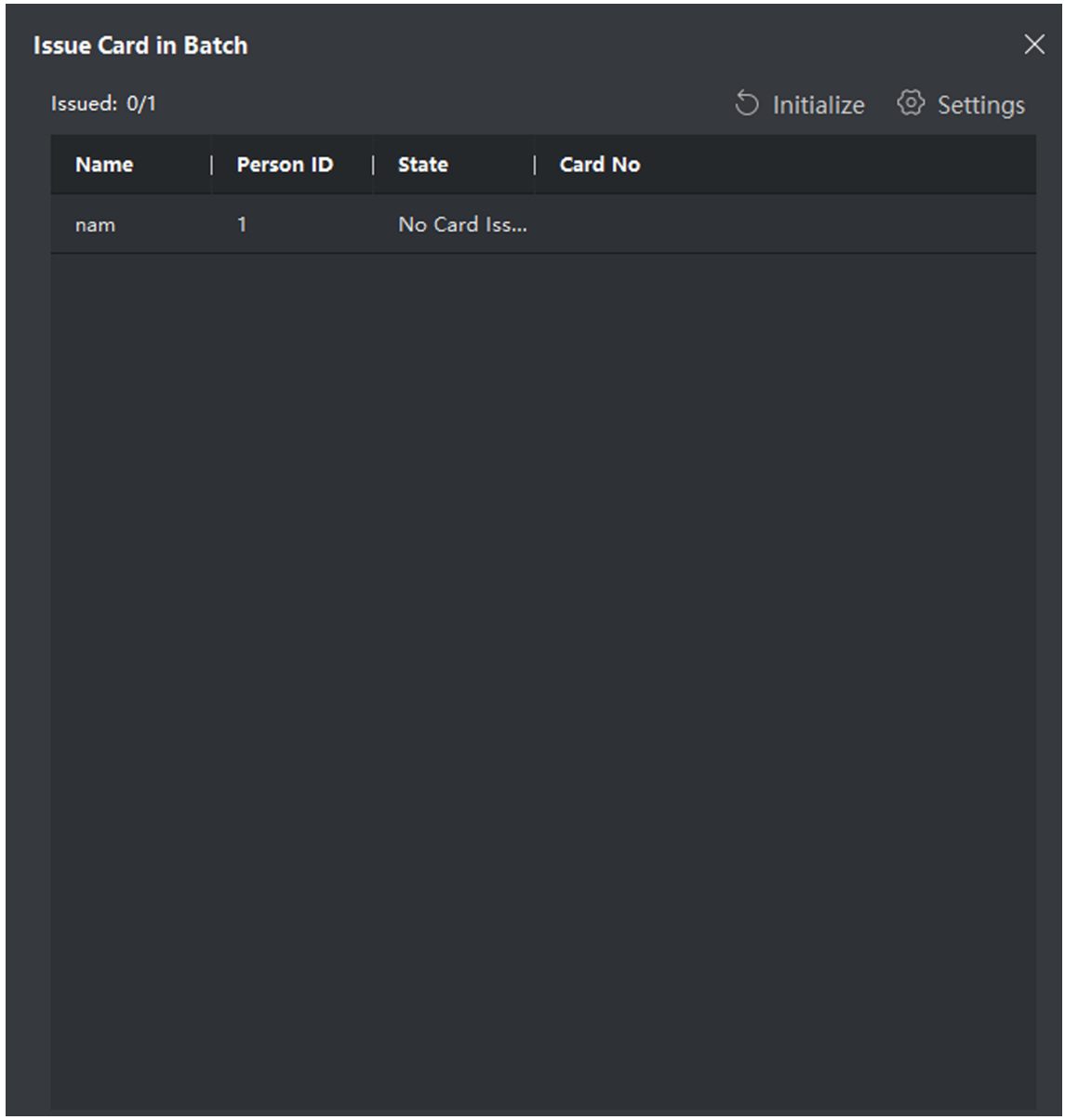


Figure 7-23 Issue Card in Batch

2. Click **Settings**.

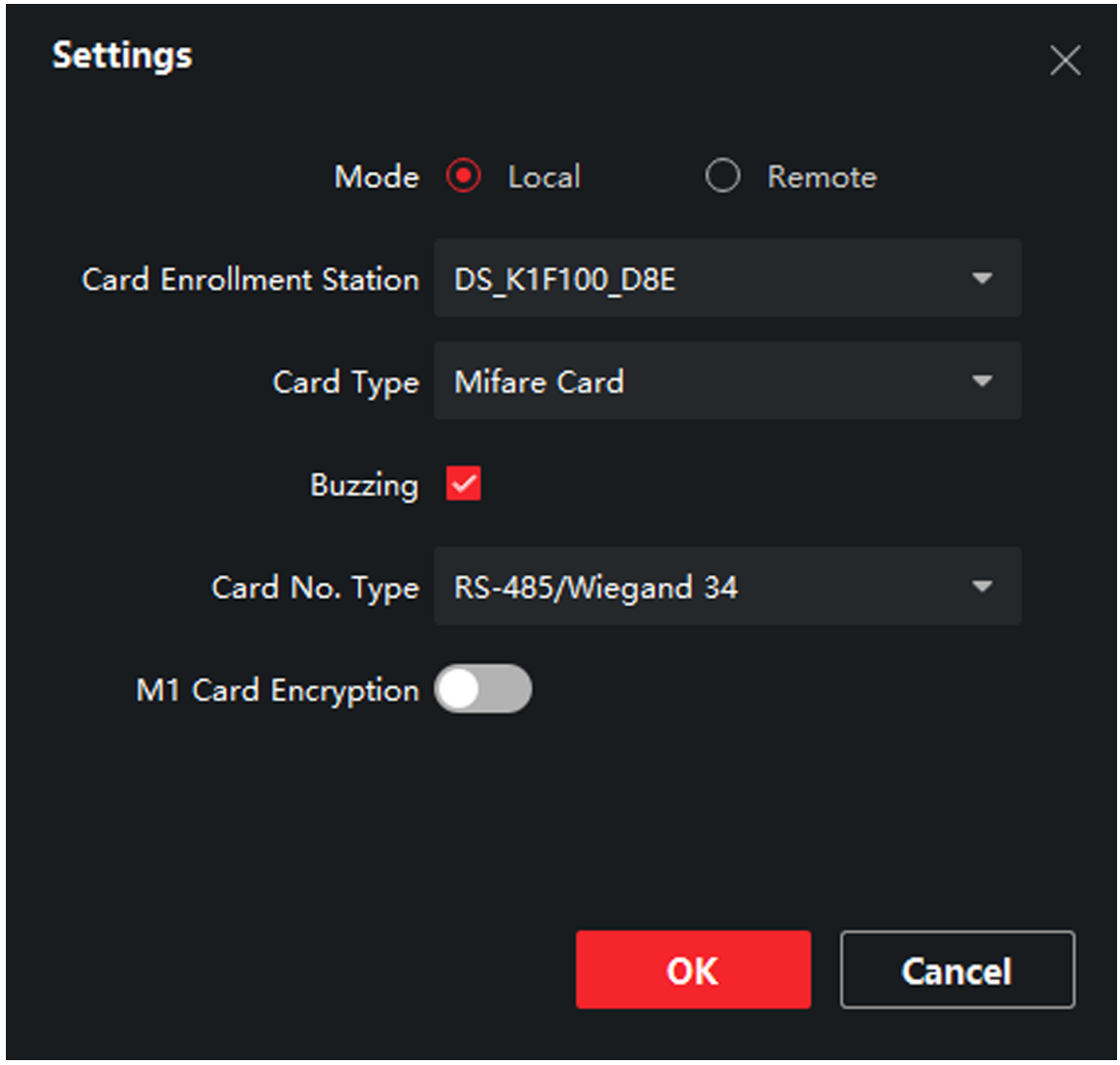


Figure 7-24 Card Settings

3. Select **Card Type** and **Card No. Type**.
4. Click **OK** to save the settings.

Result

After issuing the card to the person, the person and card information will display in the Person(s) with Card Issued list.

7.5.7 Permission Settings

Add Permissions

Steps

1. On the main page, click **AccessControlInfo → Access Group** to enter the page.
2. Click **+Add** to pop up the adding dialog box.
3. Configure the parameters.
   1) Enter the **Name** of the permission.
   2) Select the **Template** of the schedule.
   3) Check the person to **Selected** according to your needs.
   4) Check the device to **Selected** according to your needs.
4. Click **Save**.
5. Check the permission and click **Apply All to Device**.
   The status of the permission displays as **Applied**.
6. **Optional:** Click **Applying Status** to check the details.

Modify/Delete Permissions

On the page of the permission settings, click to edit the parameters of the permission.

Select one or more permissions, click **Delete** to remove the permissions.

Appendix A. Relevant Instructions for External Power Supply and Wiring of 2-wire Video Intercom Products (2020-1-20)

Power Description

2-Wire Distributor

DS-KAD706	CH6	CH1 to CH5
	16 W	6 W
DS-KAD704	CH4	CH1 to CH3
	16 W	6 W

Modular Door Station

The main module & the sub-module maximum power consumption.

Model	Stable Power Consumption
DS-KD8003-IME2	4 W
DS-KD-KK	0.8 W
DS-KD-KP	1 W
DS-KD-DIS	2.5 W
DS-KD-E	0.8 W
DS-KD-M	0.8 W
DS-KD-INFO	1.5 W
DS-KD-PMR	8 W, 6 W or 4 W adjustable

Indoor Station

Model	Stable Power Consumption
DS-KH6320-WTE2	6 W

Example of the Calculation Model of the Modular Door Station Sub-Module

The sum of the power consumption of each module must be less than the total power consumption of the power supply.

2-Wire					
Model	DS-KD8003-IME2	DS-KD-DIS	DS-KD-KP	DS-KD-M	/
Quantity	1	1	2	2	/
Power	4 W	2.5 W	2 W	1.6 W	Total: 10.1 W

Because 10.1 W ≤ 16 W, we can support powering this device through KAD706 channel 6 or KAD704 channel 4.

2-Wire				
Model	DS-KD8003-IME2	DS-KD-M	DS-KD-KK	/
Quantity	1	1	12	/
Power	4 W	0.8 W	9.6 W	Total: 14.4 W

Because 14.4 W ≤ 16 W, we can support powering this device through KAD706 channel 6 or KAD704 channel 4.

Wire Testing Standards

- When there are multiple cores in one parallel line, only one pair of closed cores are allowed to transmit signal. It is not allowed to use multiple pair of cores in one cable to transmit signal.
- When using parallel lines, it is suggested to use those with shielding layer. If dual core or multiple core parallel lines without shielding layer are routed, stability of signal transmission can be effected. You need to run a test before installation.
- Impedance of twist pair in network cable are over 42 Ω/100 m, so network cable cannot transmit enough power to indoor station. Network cable is not allowed to use during installation.
- Strong electricity and weak electricity cannot be wired in the same route, they need to be wired separately and the distance should be more than 0.5 meter.

Table A-1 Table A

Routing Path	Twisted Pair : 24 AWG (0.2 mm^2)	Twisted Pair : 20 AWG (0.5 mm^2)	Twisted Pair : 18AWG (0.8 mm^2)	Twisted Pair : 16AWG (1 mm^2)	Parallel lines (0.5 mm^2 to 0.8 mm^2)
DS-KAD706-S-DS-KAD706	Transmission Distance ≤ 60 m	Transmission Distance ≤ 60 m	Transmission Distance ≤ 60 m	Transmission Distance ≤ 50 m	Transmission Distance ≤ 35 m
DS-KAD706-DS-KAD706	Transmission Distance ≤ 60 m	Transmission Distance ≤ 60 m	Transmission Distance ≤ 60 m	Transmission Distance ≤ 50 m	Transmission Distance ≤ 35 m
DS-KAD706-DS-KD8003-IME2	Transmission Distance ≤ 35 m	Transmission Distance ≤ 60 m	Transmission Distance ≤ 60 m	Transmission Distance ≤ 50 m	Transmission Distance ≤ 35 m
DS-KAD706-DS- KH6320-WTE2	Transmission Distance ≤ 35 m	Transmission Distance ≤ 100 m	Transmission Distance ≤ 100 m	Transmission Distance ≤ 100 m	More parameters in Table B

Routing Path	Parallel lines: 24 AWG (0.2 mm^2)	Parallel lines: 20 AWG (0.5 mm^2)	Parallel lines: 18 AWG (0.8 mm^2)	Parallel lines: 16 AWG (1 mm^2)
DS-KAD706- DS-KH6320-WTE2	Transmission Distance ≤ 50 m	Transmission Distance ≤ 100 m	Transmission Distance ≤ 100 m	Transmission Distance ≤ 100 m

Device Installation

- Installation environment (temperature, moisture etc.) need to follow requirements in specification or power output can be effected.
- Power consumption of modular door station (main module and sub modules) should be less than 12W. Please reach local technical support if you are not sure about power consumption of each module. Door station should be connected to CH6 of the video/audio distributor. If modular door station is connected to any terminal of CH1 to CH5, up to 3 sub modules can be connected.
- Indoor station should be connected to any terminal of CH1 to CH5 of the video/audio distributor.
- Up to 15 video/audio distributor can be cascaded. If more distributors are needed, you should cascade network switch supporting 1000 Mbps. The whole 2-wire system can have up to 500 devices.
- Power supply must be certified by Hikvision.
- Indoor station needs to use firmware released after October, 2019.

Appendix B. Communication Matrix and Device Command

Communication Matrix

Scan the following QR code to get the device communication matrix.
Note that the matrix contains all communication ports of Hikvision access control and video intercom devices.

Figure B-1 QR Code of Communication Matrix

Device Command

Scan the following QR code to get the device common serial port commands.
Note that the command list contains all commonly used serial ports commands for all Hikvision access control and video intercom devices.

Figure B-2 Device Command


See Far, Go Further