HIKVISIO

Video Intercom

Vandal-Resistant Door Station

User Manual

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This user manual is intended for users of the models below:

Series	Model
Vandal-Resistant Door Station	DS-KB8112-IM

It includes instructions on how to use the Product. The software embodied in the Product is governed by the user license agreement covering that product.

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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

CE

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

2012/19/EU (WEEE directive): Products marked with this symbol

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.

Safety Instruction

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

The precaution measure is divided into **Warnings** and **Cautions**:

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

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

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

Warnings

- All the electronic operation should be strictly compliance with the electrical safety regulations, fire prevention regulations and other related regulations in your local region.
- Please use the power adapter, which is provided by normal company. The power consumption cannot be less than the required value.
- Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
- Please make sure that the power has been disconnected before you wire, install or dismantle the device.
- When the product is installed on wall or ceiling, the device shall be firmly fixed.
- If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the device yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

- Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
- Do not aim the device at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
- Please use the provided glove when open up the device cover, avoid direct contact with the device cover, because the acidic sweat of the fingers may erode the surface coating of the device cover.
- Please use a soft and dry cloth when clean inside and outside surfaces of the device cover, do not use alkaline detergents.
- Please keep all wrappers after unpack them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the device and lead to additional costs.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

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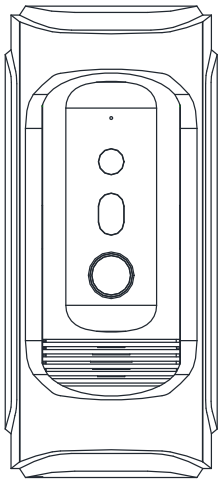
1 Overview

1.1 Introduction



The DS-KB8112-IM is a vandal-resistant door station, which has passed IK 9 (Impact Protection Level). The door station, featuring in the vandal-resistant design, convenient installation, and easy operation, supports the video intercom function, access control function, door magnetic alarm, motion detection, and so on. As an intelligent device, the door station is mainly applied in the villa for improving the living security.

1.2 Main Features

Basic Functions

- Video intercom function, supporting the communication with the master station, and the indoor station
- Access control function, supporting multiple door opening modes (the indoor station

- Noise suppression and echo cancellation
- H.264 video compression standard
- Low illumination

Alarm Functions

- Supports door magnetic alarm
- Auto-uploads alarm messages to the master station or the client software

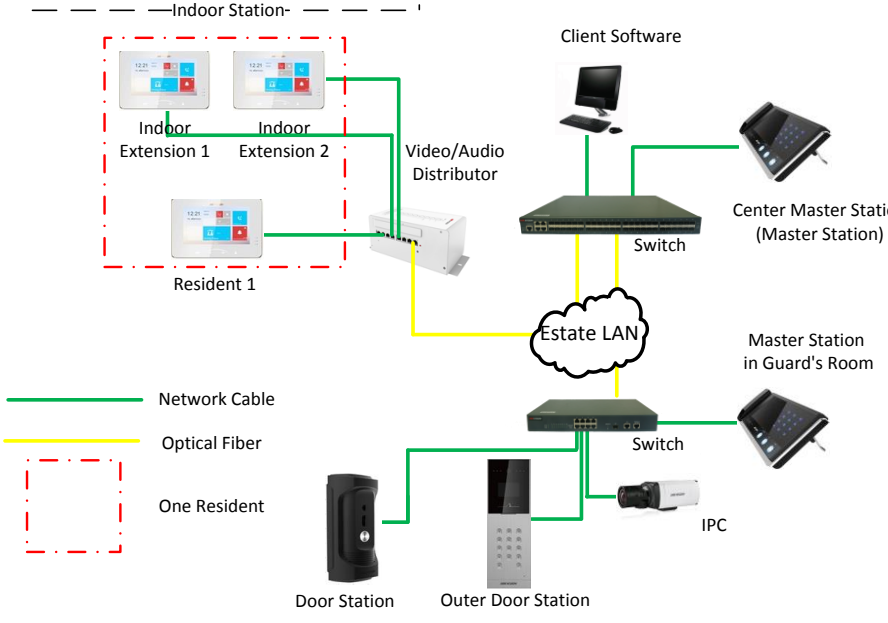
Remote Controls

- Remote reboot, remote upgrade, time synchronization via NTP, and batch configuration function
- Supports Web remote access and OSD display
- Supports motion detection

Additional Features

- ISAPI (Internet Server Application Programming Interface) and ONVIF (Open Network Video Interface Forum) supported, to ensure greater compatibility and interoperability among different platforms
- Supports bit rate and frame rate configuration, P/N video standard configuration, Email configuration, and auto day & night switch
- Auto-uploads captured pictures to the FTP or the client software while unlocking the door

1.3 Typical Application



Note:

DS-KB8112-IM door station can work as a doorphone both in a villa or in an apartment.

2 Appearance

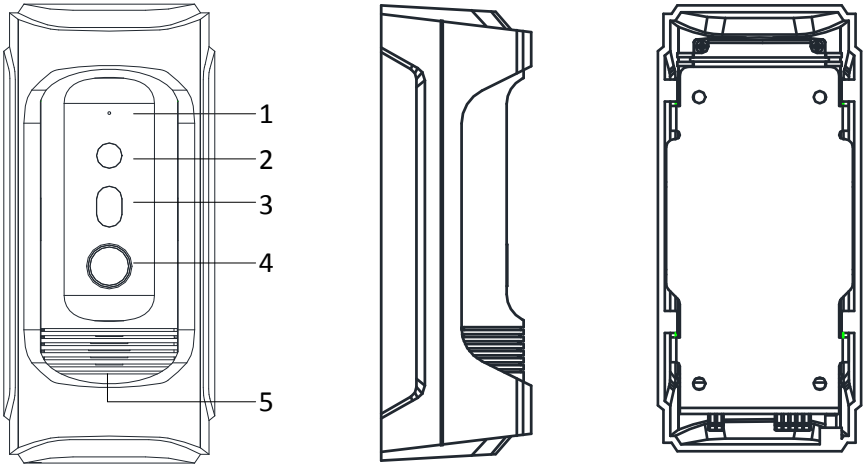


Figure 2-1 Door Station Overview

Table 2-1 Components Description

No.	Description
1	Microphone
2	Built-in Camera
3	Low Illumination Supplement Light
4	Call Button
5	Loudspeaker

Note:

3 Terminals and Wiring

3.1 Terminals and Interfaces Description

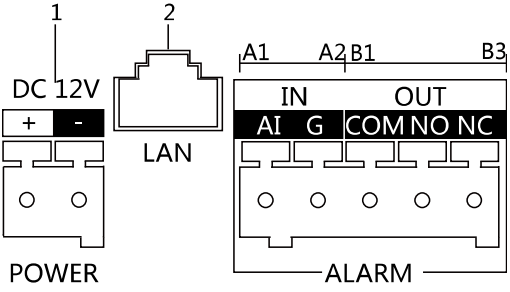


Figure 3-1 Terminals and Interfaces

Table 3-1 Terminals and Interfaces Description

Name	No.	Interfaces	Description
Power Supply	1	12 VDC	12 VDC Power Supply Input
LAN	2	LAN	Network Interface (PoE Supported)
ALARM IN	A1	AI	Alarm Input
	A2	GND	Grounding
ALARM OUT	B1	COM	Grounding Signal
	B2	NO	Door Lock Relay Output (Connect Electric Strike)
	B3	NC	Door Lock Relay Output (Connect Electric Bolt or Magnetic Lock)

To connect electric lock, it is required to set the output of terminal NC/ COM/ NO to be electric lock with Batch Configuration Tool or iVMS-4200 client software or the web browser.

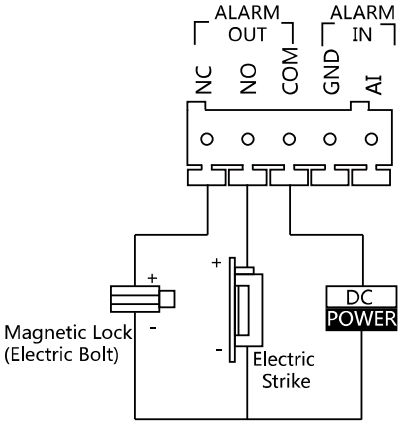
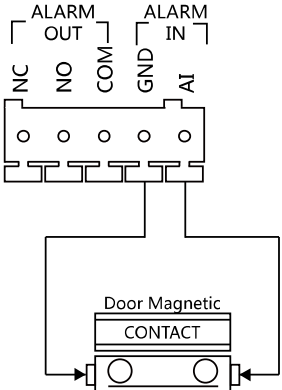


Figure 3-2 Door Lock Wiring

3.2.2 Door Magnetic Wiring

To connect door magnetic, it is required to set the output of terminal AI to be door status via Batch Configuration Tool or iVMS-4200 client software or the web browser.



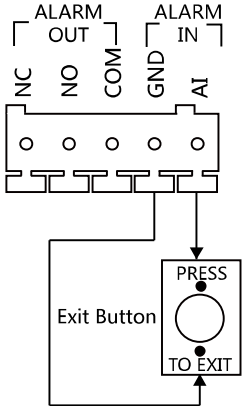
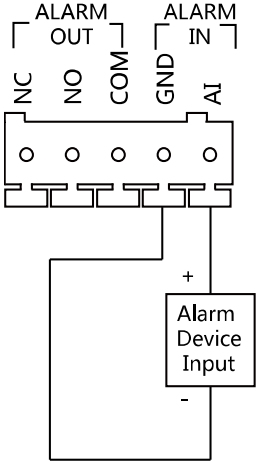


Figure 3-4 Exit Button Wiring

3.2.4 Alarm Device Input Wiring

When you set the output of terminal AI to be custom via Batch Configuration Tool or iVMS-4200 client software or the web browser, you can connect any alarm input device to the door station via the terminal AI.



4 Installation

Before you start:

- Make sure the device in the package is in good condition and all the assembly parts are included.
- The device supports two ways of power supply: 12 VDC, or PoE power supply. Please make sure your power supply matches your door station.
- Make sure all the related equipment is power-off during the installation.
- Make sure the wall is strong enough to withstand 4 times the weight of the door station.
- Check the specification of the product for the installation environment.

4.1 Wall Mounting Plate

To install the door station onto the wall, you are required to use a matched mounting plate.

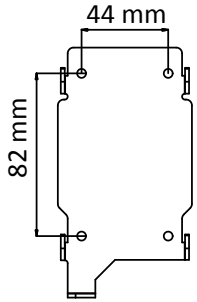


Figure 4-1 Wall Mounting Plate

Note: The dimensions above are theoretical. The actual size can be slightly different from the theoretical dimension.

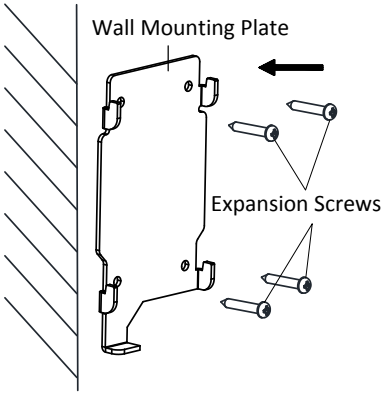


Figure 4-2 Install the Plate

2. Insert terminal blocks into the interfaces of the door station body, and connect the network cable.

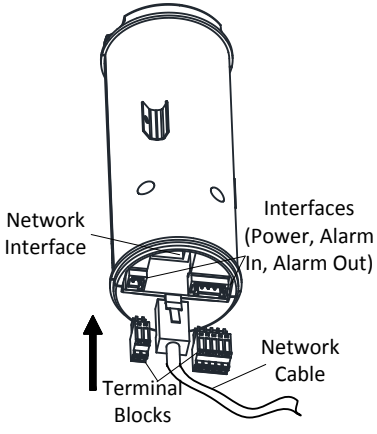


Figure 4-3 Insert Terminals and Network Cable

3. Fix the door station main body to the protective shield tightly.

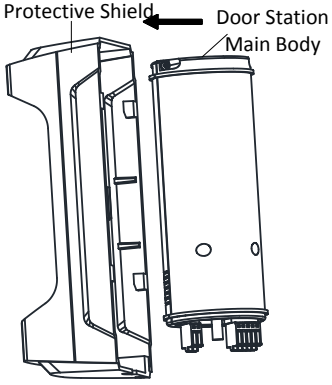


Figure 4-4 Fix the Main Body to the Shield

4. Hook the door station to the wall mounting plate tightly.

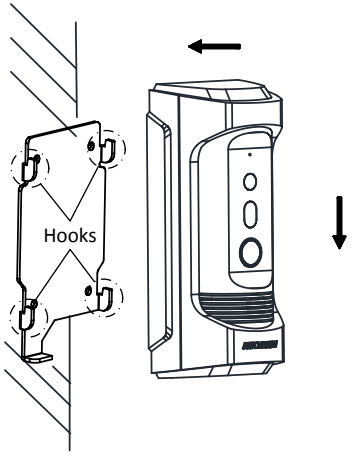


Figure 4-5 Hook the Door Station to the Plate

5. User the set screw to secure the door station with the mounting plate.

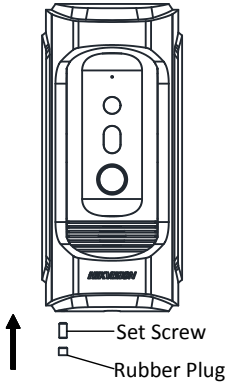


Figure 4-6 Secure the Door Station

5 Activating Door Station

Purpose:

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

Activation via Batch Configuration Tool, Activation via Web Browser, and activation via iVMS-4200 client software are supported.

5.1 Activation via Web Browser

Steps:

1. Power on the device, and connect the device to the network.
2. Input the default IP address to the address bar of the web browser, and click **Enter** to the activation interface.

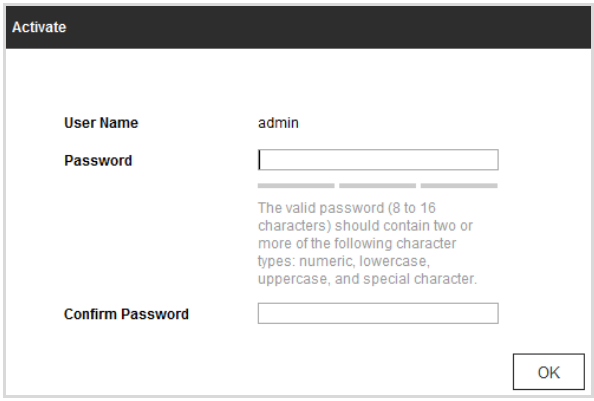


Figure 5-1 Activation Interface (Web)

3. Create a password, and confirm the password.

STRONG PASSWORD RECOMMENDED– *We highly recommend you create a strong password of your own choosing (Using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers, and special*

5.2 Activation via Batch Configuration Tool

Steps:

1. Run the Batch Configuration Tool.

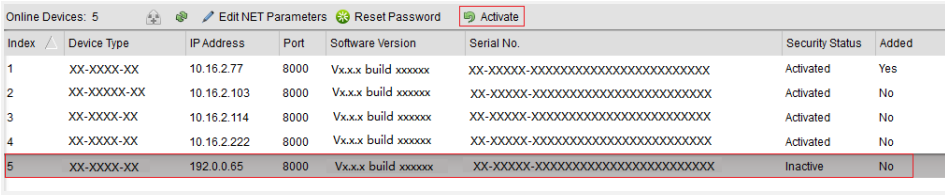


Figure 5-2 Select Inactive Device

2. Select an inactivated device and click **Activate**.

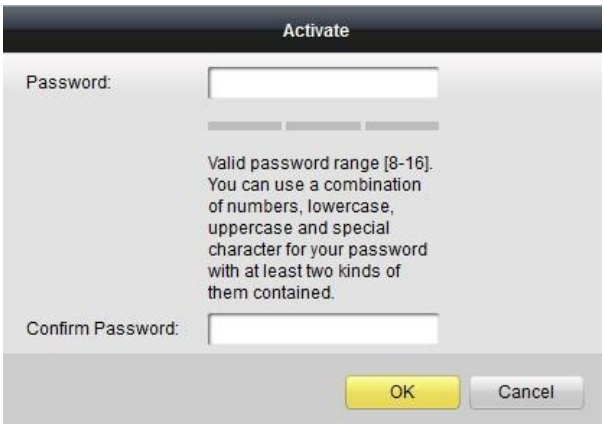


Figure 5-3 Activation Interface (Batch Configuration Tool)

3. Create a password, and confirm the password.

STRONG PASSWORD RECOMMENDED– *We highly recommend you create a strong password of your own choosing (Using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers, and special characters.) in order to increase the security of your product. And we*

- You can hold the **Ctrl** or **Shift** key to select multiple devices in the online devices, and click **Activate** to activate devices in batch.

5.3 Activation via iVMS-4200 Client Software

Steps:

1. Run the iVMS-4200 client software.

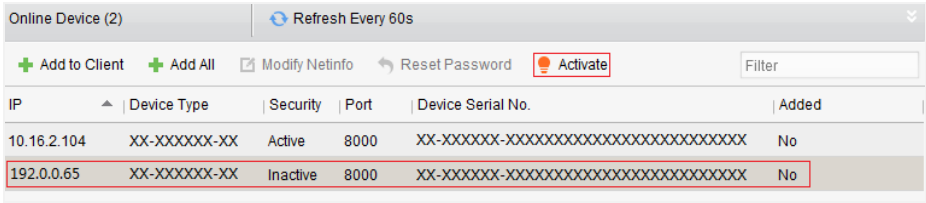


Figure 5-4 Select Inactive Device

2. Select an inactivated device and click **Activate**.

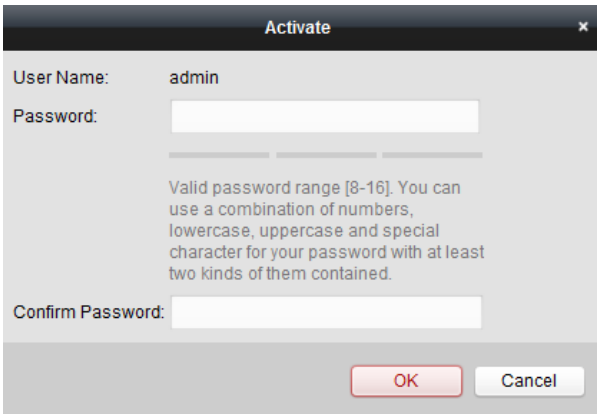


Figure 5-5 Activation Interface (iVMS-4200)

3. Create a password, and confirm the password.

STRONG PASSWORD RECOMMENDED– *We highly recommend you create a*

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 **Activate** to activate devices in batch.

6 Local Operation

Before you start:

- Make sure the door station has been activated.
- Make sure the network cable is well-connected.

Purpose:

You can call the resident (the indoor station) or the center (the master station) via the door station by pressing or holding the call button.

Default settings of the call button: when you press the call button, it calls the resident, and when you hold the call button, it calls the center.

Steps:

1. Press the call button to call the resident.
2. The resident can accept/decline the calling from the door station, and unlock the door via the indoor station.

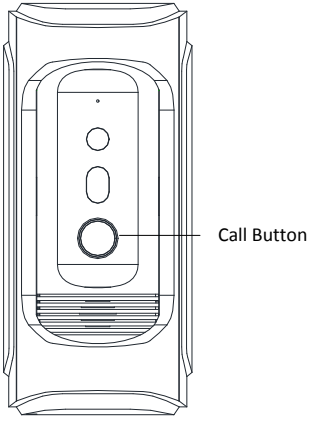


Figure 6-1 Call Button of Door Station

Notes:

- Besides the indoor station, you can also unlock the door by the master station, the client software, and the web.

7 Remote Operation via Web Browser

7.1 Access to the Door Station

System Requirement:

Operating System: Microsoft Windows XP SP1 and above version

CPU: 2.0 GHz or higher

RAM: 1G or higher

Display: 1024×768 resolution or higher

Web Browser: 32-bit Internet Explorer 8.0 to 11

Steps:

1. Open the web browser.
2. Input the IP address of the door station in the address bar, and press the **Enter** key to enter the login interface.
3. Input the user name and password and click **Login**.

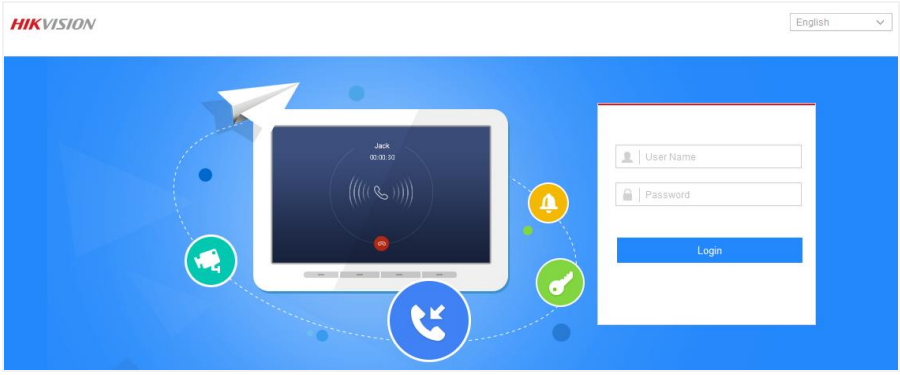


Figure 7-1 Login Interface

Note: Switch the display language from the upper-right corner among different languages.

4. Install the plug-in before viewing the live video and operating the door station. Please

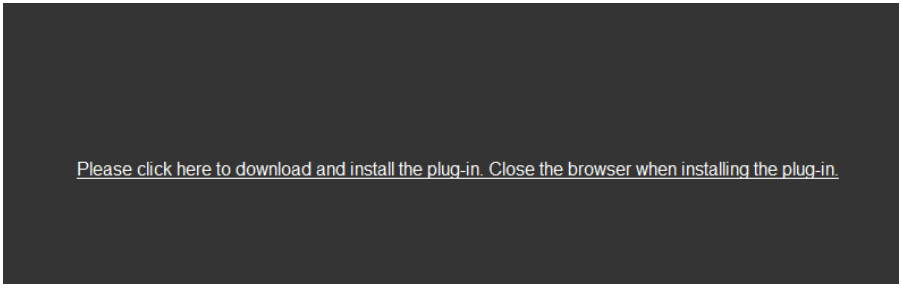


Figure 7-2 Download and Install Plug-in

Note:

- You may have to close the web browser to install the plug-in. Please reopen the web browser and log in again after installing the plug-in.
- If the device is not activated, please activate the device first.
- The device IP address gets locked if the admin user performs 7 failed password attempts.

7.2 Live View

7.2.1 Live View Page

Purpose:

The live view page allows you to view the real-time video, capture images, unlock the door, and configure video parameters.

Log in the door station to enter the live view page, or you can click **Live View** on the menu bar of the main page to enter the live view page.

Note: You can also access to the door station to get the live view in different live view modes via iVMS-4200 client software.

Descriptions of the live view page:

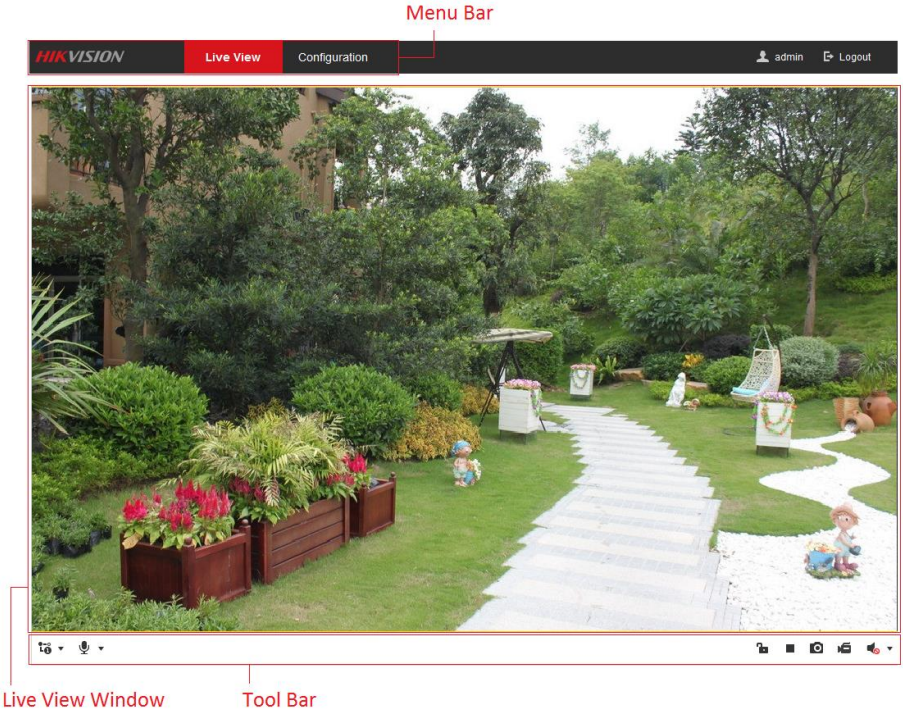


Figure 7-3 Live View Page

Menu Bar:

Click the tab to enter Live View, and Configuration page respectively.

Live View Window:

Display the live video on the display window of live view.

Toolbar:

Set the stream type, enable/disable the two-way audio, unlock the door, start/stop the live view, capture pictures, record the video files, and adjust the audio volumes.

Note: After stopping the live view, only stream switch, two-way audio settings, door

Table 7-1 Descriptions of Live View Icons

Icon	Description
	Set the stream type as main stream or sub stream .
	Enable/disable the two-way audio.
	Unlock the door.
/	Start/stop the live view.
	Capture pictures manually.
/	Start/stop recording.
	Audio on and adjust the audio volume.
	Mute

Note: After stopping the live view, only stream switch, two-way audio settings, and door unlocking settings are supported.

7.2.3 Recording and Capturing Pictures Manually

In the live view page, click on the tool bar to capture the live pictures, and click to record the live video. The saving paths of the captured pictures and record files can be set on the **Configuration > Local** page, and please refer to 7.3.1 *Configuring Local Parameters* for detailed instructions.

Note: The captured picture will be saved as JPEG file or BMP file in the local PC that runs the web browser.

7.3 Door Station Configuration

7.3.1 Configuring Local Parameters

Purpose:

Local configuration provides image file settings and record file settings. The recorded videos and captured pictures can be saved on the local PC that runs the web browser.

Steps:

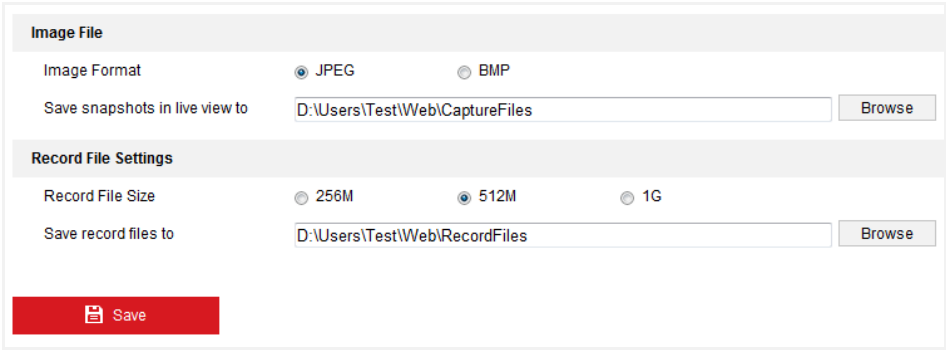


Figure 7-4 Local Configuration

2. Configure the image file settings and the record file settings.

   Image File Settings: Set the saving path of the captured pictures. It is valid for the captured pictures you captured with the web browser.

   - **Image Format:** Set the saving format for the captured pictures. The captured pictures can be saved in format of *.jpeg or *.bmp.
   - **Save snapshots in live view to:** Set the saving path of the manually captured pictures in live view mode.

   Record File Settings: Set the saving path of the recorded video files. It is valid for the record files you recorded with the web browser.

   - **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 file to:** Set the saving path for for the manually recorded video files.

   Note: You can click **Browser** to change the directory for saving the pictures and record files. And click **Open** to open the set folder.

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

7.3.2 Configuring System Settings

Viewing Basic Information

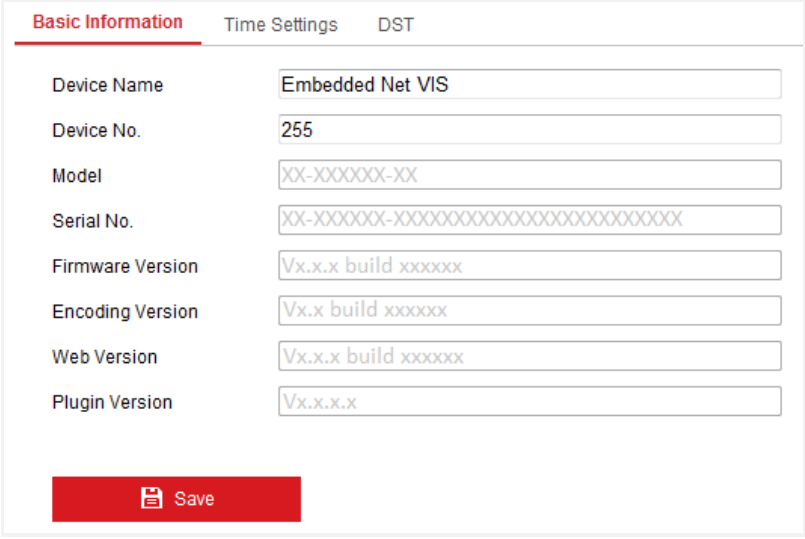


Figure 7-5 Device Basic Information

Time and DST Settings

Purpose:

You can follow the instructions in this section to configure the time synchronization and DST settings.

- **Time Settings**

Steps:

1. Enter the Time Settings interface: **Configuration > System > System Settings > Time Settings**.

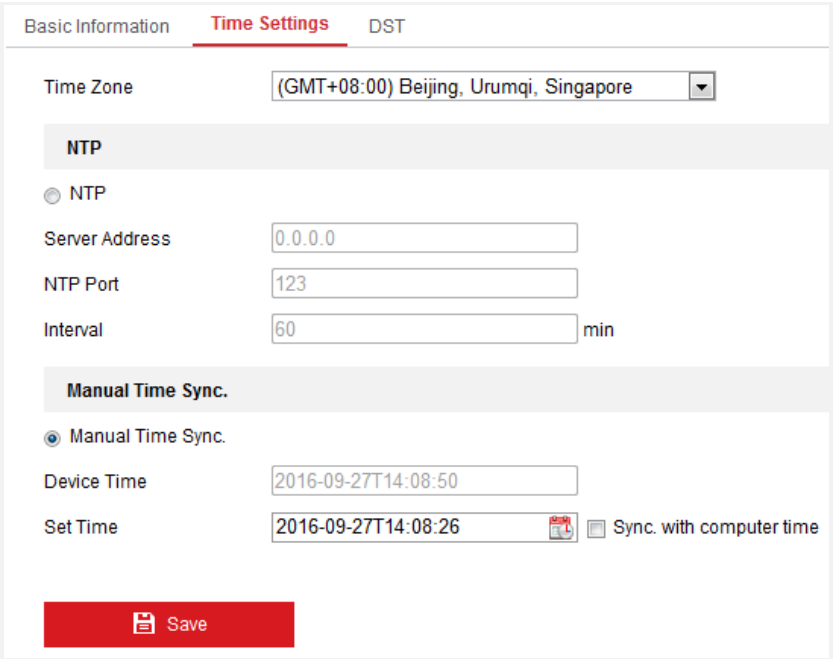


Figure 7-6 Time Settings

2. Select the time zone of your location from the drop-down list.
3. Synchronize the time.
   - **Synchronizing Time by NTP Server**

   1) Check the **NTP** item to enable the NTP function.
   2) Configure the following settings:

      Server Address: IP address of NTP server.

      NTP Port: Port of NTP server. The default NTP port No. is 123.

      Interval: The time interval between the two synchronizing actions with NTP server.
   - **Synchronizing Time Manually**

   1) Check the **Manual Time Sync.** item to enable the manual time synchronization

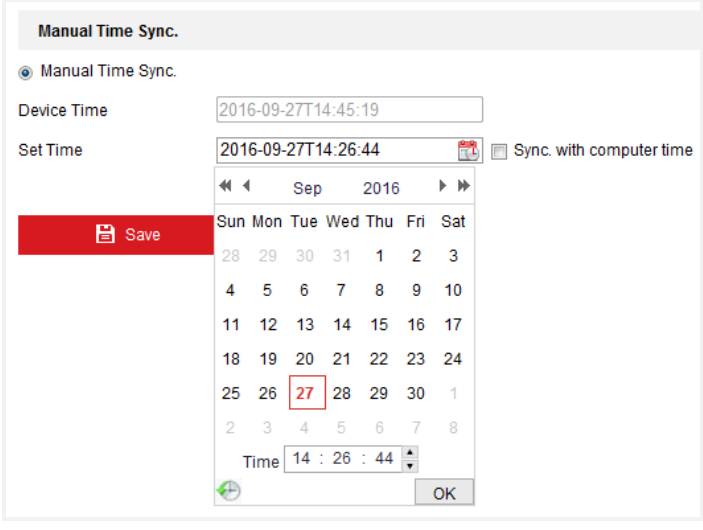


Figure 7-7 Time Sycn. Manually

4) (Optional) You can check the checkbox of **Sync. with computer time** to synchronize the time of the device with that of the local PC that runs the web browser.

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

- **DST**

Purpose:

For regions using the summer time, DST (daylight saving time) settings can be configured according to the actual needs.

Steps:

1. Enter the DST settings interface: **Configuration > System > System Settings > DST**.
2. Check the checkbox of **Enable DST** to enable the daylight saving time.
3. Set the start time and the end time for the DST period.
4. Select the DST bias from the drop-down list.
5. Click **Save** to save the settings.

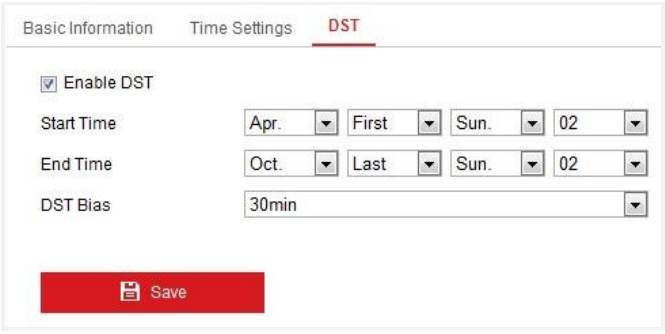


Figure 7-8 DST Settings

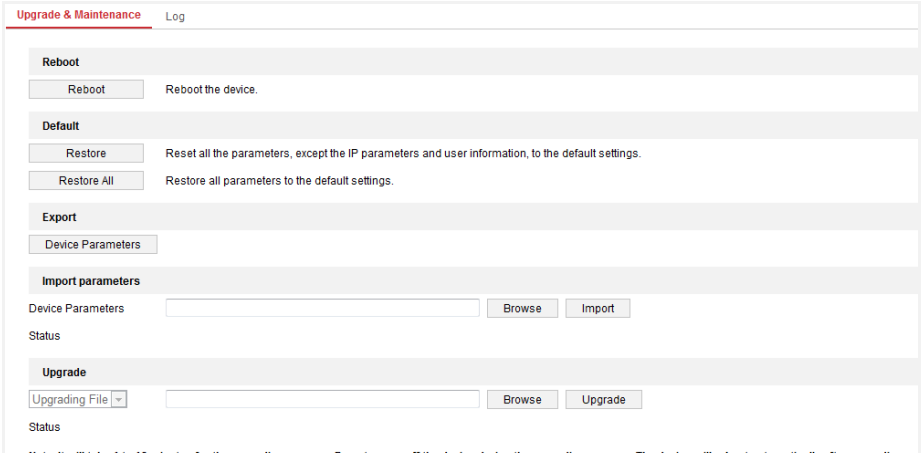
Upgrade and Maintenance

Purpose:

On Upgrade & Maintenance interface, you can reboot the door station, restore door station parameters, export/import configuration parameters, and upgrade firmware.

Enter the Upgrade and Maintenance interface:

Configuration > System > Maintenance > Upgrade & Maintenance



Click **Restore All** to restore all parameters of device and reset the device to inactive status.

Note:

- By clicking **Restore**, all default settings, excluding network parameters and user information, will be restored.
- By clicking **Restore All**, all default settings, including network parameters and user information, will be restored. The device will be reset to inactivated status.

- **Exporting/Importing Configuration File**

Purpose:

Configuration file is used for the batch configuration of the door station, which can simplify the configuration steps when there are a lot of door stations needing configuring.

Steps:

1. Click **Export** to export the current configuration file, and save it to the certain place.
2. Click **Browse** to select the saved configuration file and then click **Import** to start importing configuration file.

Note: You need to reboot the door station after importing configuration file.

- **Upgrading the System**

Click **Browse** to select the local upgrade file and then click **Upgrade** to start remote upgrade.

Note: The upgrading process will take 1 to 10 minutes. Do not power off the door station during the process. The door station will reboot automatically after upgrading.

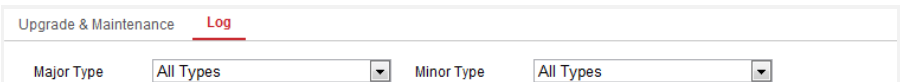
Log Searching

Purpose:

The operation, alarm, exception and information of the door station are stored in log files.

Steps:

1. Enter the log searching interface: **Configuration > System > Maintenance > Log.**



2. Set the log search conditions to specify the search, including the major type, minor type, start time and end time.
3. Click **Search** to search log files. The matched log files will be displayed on the **Log** interface.

User Management

Steps:

1. Enter the User Management interface: **Configuration > System > User Management**.

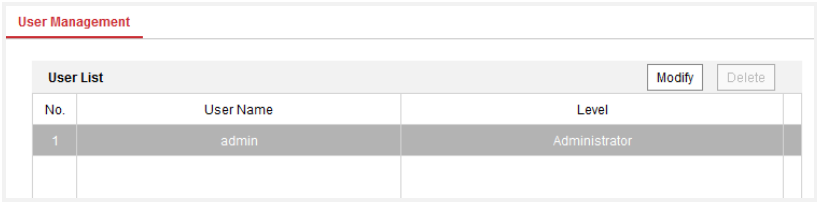
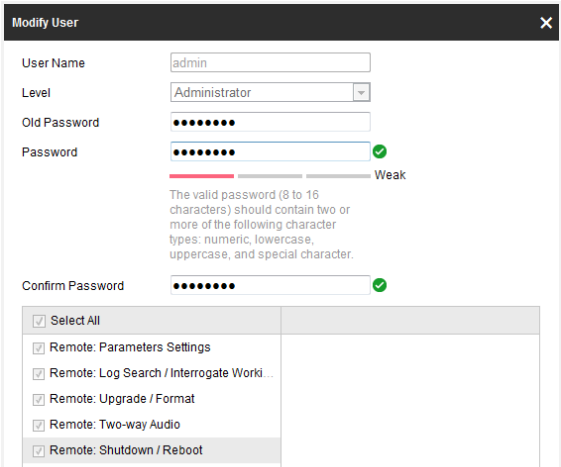


Figure 7-11 User Management Interface

2. Click the user and click **Modify**.
3. Edit the password.
4. Click **OK** to finish the user modification.



Note: Only password can be changed.

7.3.3 Configuring Video Intercom Parameters

Door Station No.

Purpose:

To call the door station via the client software or to call indoor stations/the client software/the master station via the door station successfully, you should number the door station first. You should set the community No., the building No., the unit No., and the floor No. for the door station.

The door station supports 2 device types: villa door station and doorphone. When it works as a doorphone, there is no need setting the community No., the building No., the unit No., the floor No. or the device No..

Steps:

1. Enter the device No. settings interface: **Configuration > Video Intercom > Device No. Settings.**

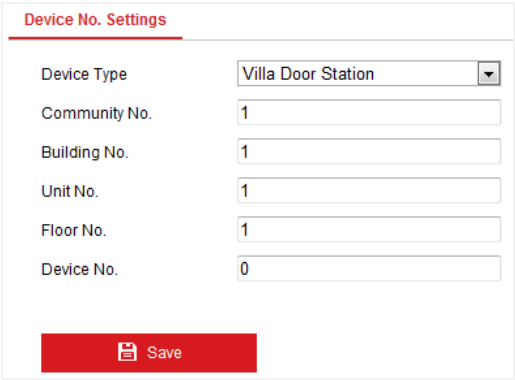


Figure 7-13 Set the Device No.

2. Select the device type from the drop-down list: Villa Door Station or Doorphone.
3. Set the the community No., the building No., the unit No., and the floor No..

Note:

- When you set 1, 2, 3, and 4 to the community No., the building No., the unit No.

- If the device No. is set to 0, the door station works as the main door station.
- If the device No. is larger than 0, the door station works as the sub door station. The device No. can range from 1 to 99.
- At least one main door station should be configured for each villa or building.
- You can customize up to 8 sub door stations for each main door station.

5. Click **Save** to finish the door station No. settings.

Operation Time

Purpose:

You can set the maximum speaking duration between the door station and other video intercom devices, and the maximum message duration of the door station on the operation time settings interface.

Steps:

1. Enter the operation time settings interface: **Configuration > Video Intercom > Operation Time Settings.**

Figure 7-14 Set the Operation Time

2. Set the Max. message duration and the Max. speaking duration.
3. Click **Save** to finish the operation time settings.

Note:

- The maximum message time varies from 30s to 60s.
- The maximum speaking duration varies from 90s to 120s.

Access Control Parameters

Figure 7-15 Set the Access Control Parameters

2. Set the door No., and the door-unlocked duration.

Note:

- The door-unlocked duration varies from 1s to 255s.
- The door station, instead of the doorphone, supports configuring the access control parameters.

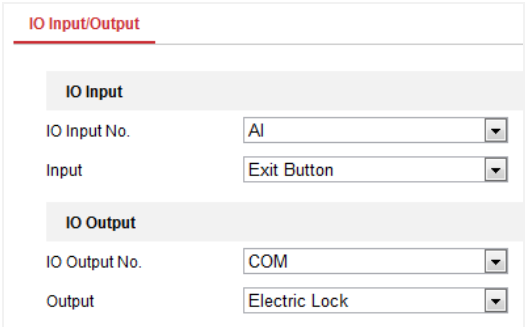
I/O Input/Output

Purpose:

I/O input/output refers to the Alarm In terminal and the Alarm Out terminal. You can connect external devices to the door station via these terminals. The door station has 1 Alarm In terminal (AI), and 1 Alarm Out terminal (NO/COM/NC).

Steps:

1. Enter the IO input/output settings interface: **Configuration > Video Intercom > IO Input/Output.**



Door Status: The AI terminal supports connecting to the door magnetic.

Custom: It is reserved.

3. Set the output mode: Disabled, Electric Lock, Custom.

Disabled: The function of the NO/NC/COM terminal is disabled.

Electric Lock: The NO/NC/COM terminal supports connecting to the electric lock (electric strike, and magnetic lock).

Custom: It is reserved.

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

Call Button

Purpose:

You can call the indoor station (resident) and the master station (management center) via the door station by pressing or holding down the call button.

Default settings of the call button: when you press the call button, it calls the resident; and when you hold down the call button, it calls the center.

Steps:

1. Enter the call button settings interface: **Configuration > Video Intercom > Call Button.**

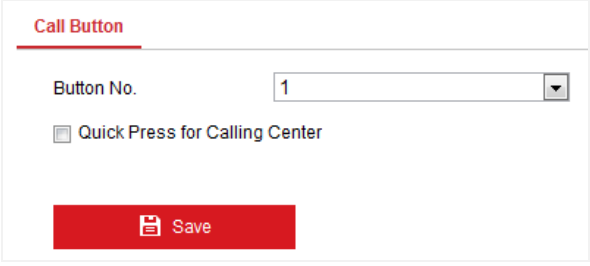


Figure 7-17 Set the Call Button

2. Check the checkbox of **Quick Press for Calling Center** to change the call button mode.

After enabling **Quick Press for Calling Center**, when you press the call button, it calls the center, and when you hold down the call button, it calls the resident.

Supplement Light

Purpose:

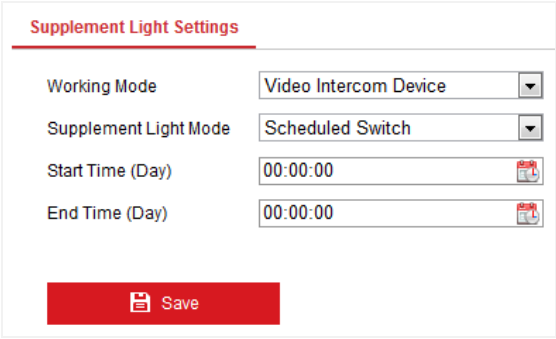


Figure 7-18 Set the Supplement Light

2. Select the working mode for the door station: Video Intercom Device, Front-end Device.

   If you select the Video Intercom Device, the door station functions as a video intercom device, while if you select the Front-end Device, the door station functions as a camera only.

3. Select the supplement light mode: Auto, Scheduled Switch.

   Auto: The camera of the door station switches between the day mode and the night mode according to the illumination automatically.

   Scheduled Switch: The camera of the door station switches between the day mode and the night mode according to the configured time period.

4. Set the start time (day) and the end time (day).

   The start time and the end time require configuring when the supplement light mode is scheduled switch.

   The camera of the door station will stay at day mode between the start time and end time.

Note:

- The interval between the start time and the end time should be more than 10s.
- The start time should be earlier than the end time.

7.3.4 Configuring Network Settings

TCP/IP Settings

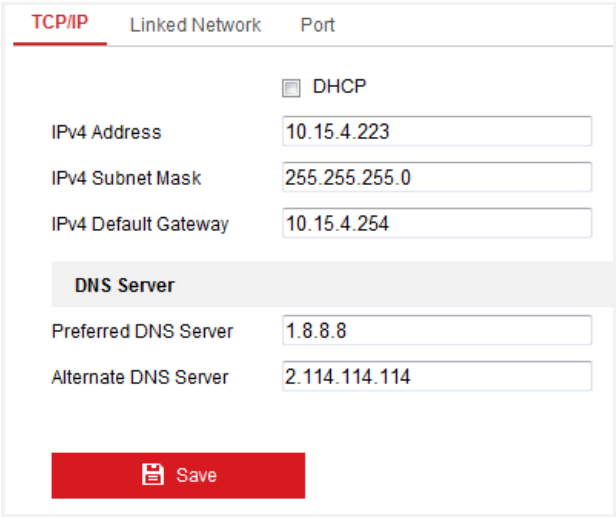


Figure 7-19 Set the TCP/IP

2. Set the basic network settings, including IPv4 address, IPv4 subnet mask, and IPv4 default gateway.
3. Set the DNS server. Input the preferred DNS server, and the alternate DNS server.
4. Click **Save** to save the settings.

Note:

- Enable DHCP, the door station can obtain an IP address automatically.
- After setting the network parameters, you should close the web browser. Please reopen the web browser and log in again with the new IP address of the door station.

Linked Network Settings

Purpose:

Linked network parameters involve the IP address of SIP server, the IP address of the center, and the port No. of the center.

Only when the SIP server IP address is configured, can the communication among the door station and the indoor station be realized.

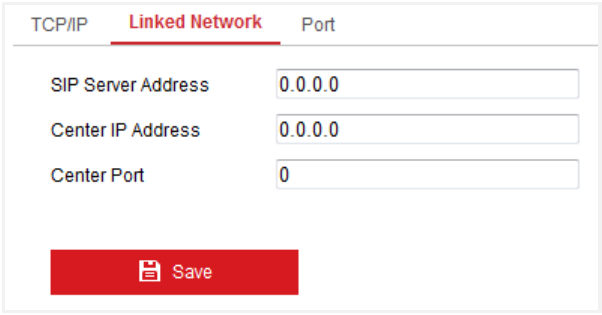


Figure 7-20 Set the Linked Network

2. Set the SIP server address, the center IP address, and the center port.
3. Click **Save** to save the settings.

Port Settings

Purpose:

You can set the port No. of the door station, e.g. HTTP port, HTTPS port, and server port.

Steps:

1. Enter the port settings interface: **Configuration > Network > Basic Settings > Port.**

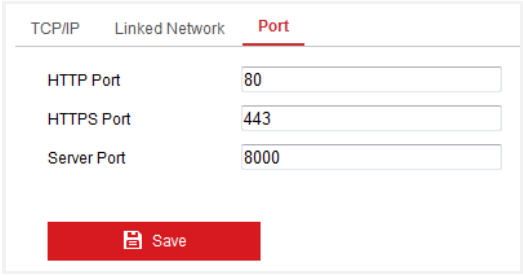


Figure 7-21 Set the Port

2. Set the HTTP port, HTTPS port, and server port of the door station.

   HTTP Port: The default HTTP port No. is 80, and it can be changed to any port No. which is not occupied. The unoccupied HTTP port ranging from 1 to 65535 is

A reboot is required for the settings to take effect.

FTP Settings

Purpose:

You can configure the FTP server related information to enable the uploading of the captured pictures to the FTP server.

Steps:

1. Enter the FTP Settings interface: **Configuration > Network > Advanced Settings > FTP.**

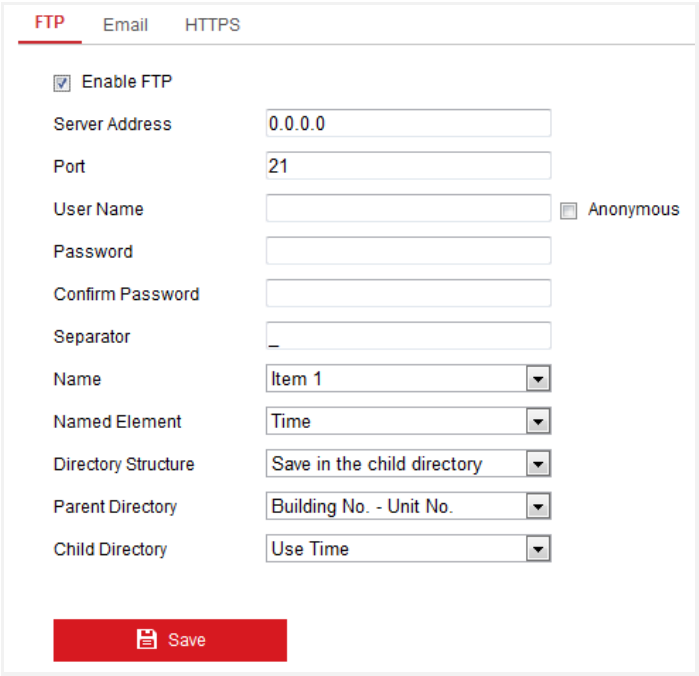


Figure 7-22 FTP Settings

2. Check the checkbox of **Enable FTP**.
3. Configure the FTP settings; and the user name and password are required for logging in the FTP server.

Directory: In the directory structure, you can select the root directory, parent directory and child directory.

Anonymous Access to the FTP Server (The user name and password won't be required.): Check the checkbox of **Anonymous** to enable the anonymous access to the FTP server.

Note: The anonymous access function must be supported by the FTP server.

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

Email Settings

Purpose:

The system can be configured to send an Email notification to all designated receivers if an alarm event is detected, e.g., motion detection event.

Before you start:

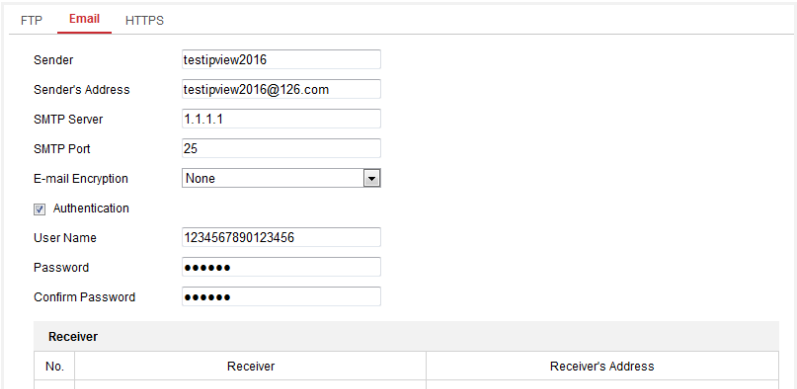
Please configure the DNS Server settings under **Configuration > Network > Basic Settings > TCP/IP** before using the Email function.

Steps:

5. Enter the TCP/IP Settings (**Configuration > Network > Basic Settings > TCP/IP**) to set the IPv4 Address, IPv4 Subnet Mask, IPv4 Default Gateway and the Preferred DNS Server.

   Note: Please refer to **Configuring TCP/IP Settings** for detailed information.

6. Enter the Email Settings interface: **Configuration > Network >Advanced Settings > Email.**



7. Configure the following settings:

Sender: The name of the email sender.

Sender's Address: The email address of the sender.

SMTP Server: IP address or host name (e.g., smtp.263xmail.com) of the SMTP Server.

SMTP Port: The SMTP port. The default TCP/IP port for SMTP is 25 (not secured).

E-mail Encryption: None and SSL are selectable. Select SSL if it is required by the SMTP server.

Authentication (optional): If your email server requires authentication, check this checkbox to use authentication to log in to this server and input the login user name and password.

For your privacy and to better protect your system against security risks, we strongly recommend the use of strong passwords for all functions and network devices. The password should be something of your own choosing (using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers and special characters) in order to increase the security of your product.

Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

The Receiver table: Select the receiver to which the email is sent. Up to 3 receivers can be configured.

Receiver: The name of the user to be notified.

Receiver's Address: The email address of user to be notified.

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

HTTPS Settings

Purpose:

HTTPS provides authentication of the web site and associated web server that one is communicating with, which protects against Man-in-the-middle attacks. Perform the following steps to set the port number of https.

E.g., if you set the port number as 443 and the IP address is 192.168.1.64, you may

Figure 7-24 HTTPS Settings

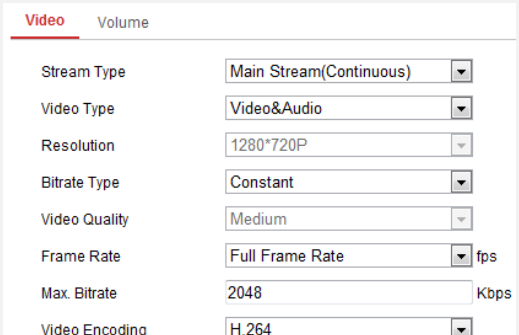
2. Check the checkbox of **Enable** to enable the function.
3. Click **Save** to save the settings.

7.3.5 Configuring Video/Audio Settings

Video Settings

Steps:

1. Enter the video settings interface: **Configuration > Video/Audio > Video.**



3. Set the following parameters for the selected 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.

Resolution: For the main stream, the resolution of the video output is 1280 x 720P, and for the sub stream, the resolution of the video output is 640 x 480.

Bitrate Type: Select the bitrate type to constant or variable.

Video Quality: If you set the bitrate type as constant, the video quality is medium. If you set the bitrate type as variable, multiple choices of the video quality can be selected: Lowest, Lower, Low, Medium, Higher, and Highest.

Frame Rate: Set the frame rate. The frame rate describes 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. For the main stream, the max. bitrate ranges from 32 to 4096 Kbps, and for the sub stream, the max. bitrate ranges from 32 to 2048 Kbps. The higher value corresponds to the higher video quality, but the better bandwidth is required.

Video Encoding: If the stream type is set to main stream, H.264 is selectable, and if the stream type is set to sub stream, H.264 is selectable.

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

Volume Settings

Steps:

1. Enter the audio settings interface: **Configuration > Video/Audio > Volume.**

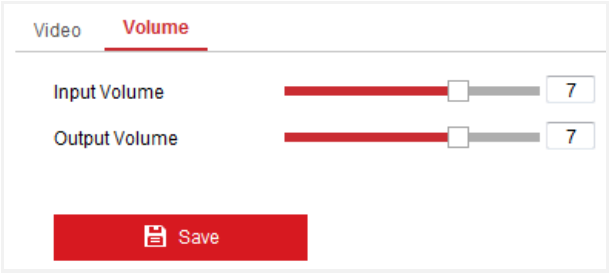


Figure 7-26 Volume Settings

You can set the image quality of the door station, including brightness, contrast, saturation, sharpness, etc.

Steps:

1. Enter the display settings interface:

   Configuration > Image> Display Settings

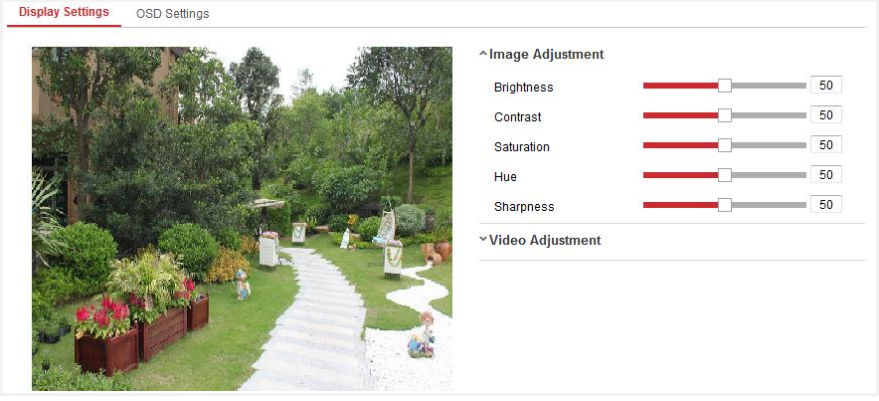


Figure 7-27 Display Settings

2. Set the image parameters of the door station.

- **Image Adjustment**

  Brightness describes bright of the image, which ranges from 1 to 100, and the default value is 50.

  Contrast describes the contrast of the image, which ranges from 1 to 100, and the default value is 50.

  Saturation describes the colorfulness of the image color, which ranges from 1 to 100, and the default value is 50.

  Hue describes the quality of the image color, which ranges from 1 to 100, and the default value is 50.

  Sharpness describes the edge contrast of the image, which ranges from 1 to 100, and the default value is 50.

- **Video Adjustment**

1. Enter the OSD Settings interface: **Configuration > Image > OSD Settings.**

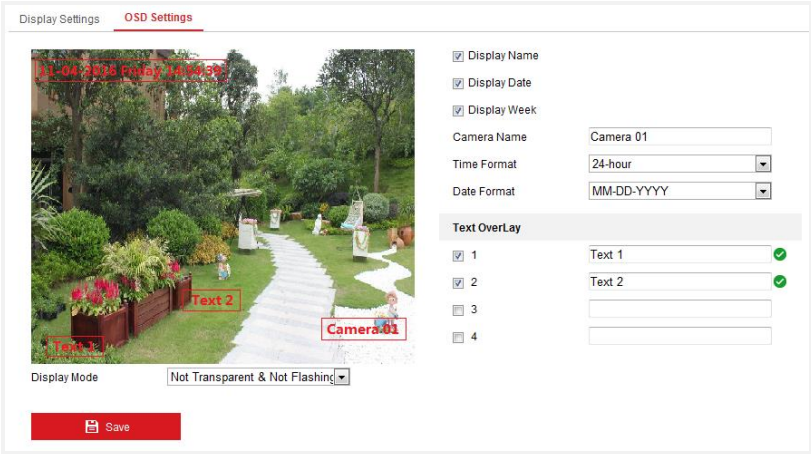


Figure 7-28 OSD Settings

2. Check the corresponding checkbox to select the display of camera name, date or week if required.
3. Edit the camera name in the text field of Camera Name.
4. Select from the drop-down list to set the time format, date format, and display mode.
5. Set overlaid text if needed.
   1) Check the checkbox on the left to enable the on-screen display.
   2) Input the desired information in the textbox.
      Notes: Up to 4 texts are configurable.
6. You can use the mouse to click-and-drag the red text frames in the live view window to adjust the OSD position.
7. Click **Save** to save the settings.

7.3.7 Configuring Event Settings

Motion Detection

Purpose:

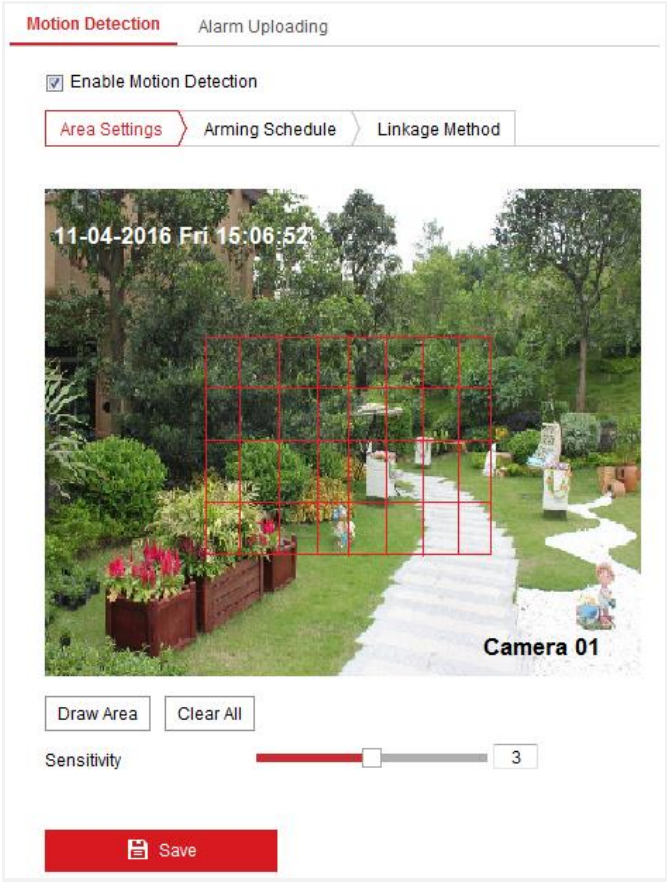


Figure 7-29 Motion Detection Settings

2. Check the checkbox of **Enable Motion Detection**.
3. Click **Draw Area**. Drag the mouse on the live video to draw a motion detection area. Click **Stop Drawing** to finish drawing one area.
4. (Optional) Click **Clear All** to clear all of the areas.

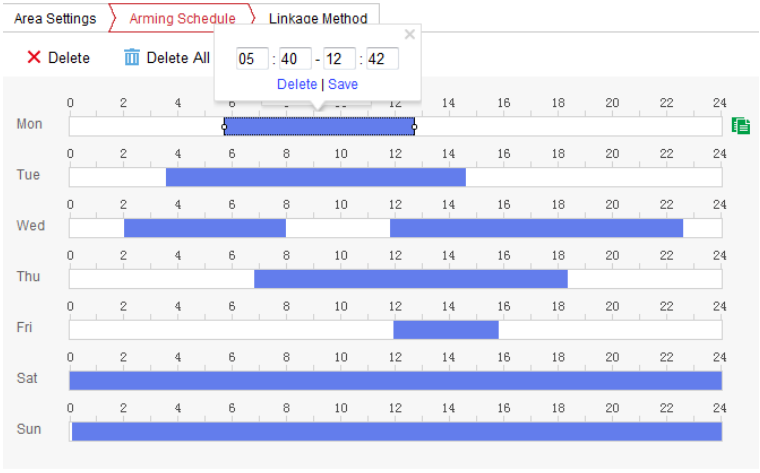


Figure 7-30 Arming Schedule Setting

2. Click on the time bar and drag the mouse to select the time period.

   Note: Click on the selected time period, you can adjust the time period to the desired time by either moving the time bar or input the exact time period.

3. (Optional) Click **Delete** to delete the current arming schedule, or click **Save** to save the settings.

4. Move the mouse to end of each day, a green copy icon appears. You can click the icon to copy the current time schedule to other days.

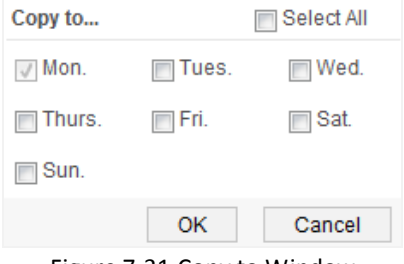


Figure 7-31 Copy to Window

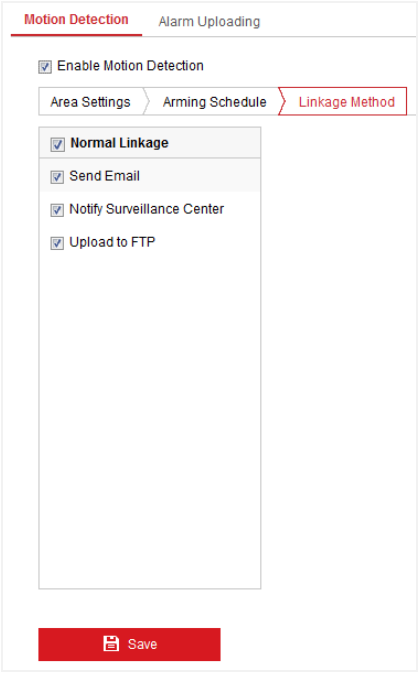


Figure 7-32 Linkage Method Settings

Notify Surveillance Center: Send an exception or alarm signal to remote management software when an event occurs.

Send Email: Send an email with alarm information to a user or users when an event occurs.

Note: To send the Email when an event occurs, please refer to Section 5.3.8 to complete Email setup in advance.

Upload to FTP: Capture the image when an alarm is triggered and upload the picture to the configured FTP server.

Notes: Set the FTP address and the remote FTP server first. Refer to Section 5.3.7 Configuring FTP Settings for detailed information.

Alarm Uploading

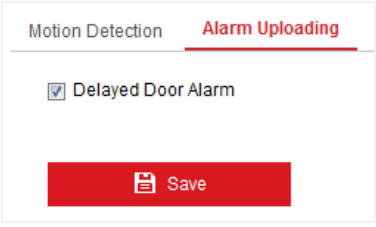


Figure 7-33 Alarm Uploading Settings

2. Check the checkbox of **Delayed Door Alarm**.
3. Click **Save** to save the settings.

8 Remote Operation via Batch Configuration Tool

Purpose:

You can operate configure the device remotely via the Batch Configuration Tool. Before operating and configuring the device via the Batch Configuration Tool, you should activate the device first. For detail information about activation, please refer to 5 *Activating Door Station*.

8.1 Editing Network Parameters

Purpose:

To operate and configure the device via LAN (Local Area Network), you need connect the device in the same subnet with you PC. You can edit network parameters via batch configuration tool, and iVMS-4200 client software. Here take editing network parameters via batch configuration tool as example.

Steps:

1. Select an online activated device and click **Edit NET Parameters**.

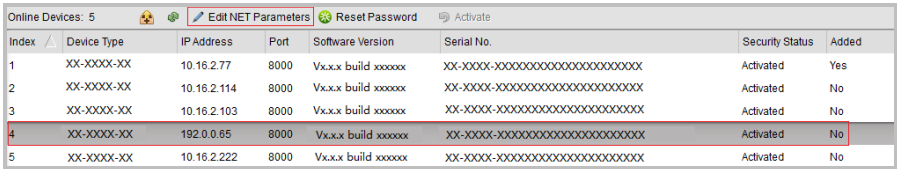
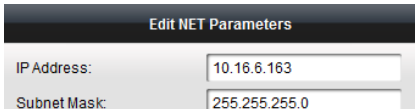


Figure 8-1 Click Edit NET Parameters Button

2. Change the device IP address and gateway address to the same subnet with your computer. Or enable **DHCP** to get the IP address automatically.
3. Input the password and click **OK** to activate the network parameters modification.



Note:

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

8.2 Adding Device

Before you start:

Make sure the device to be added has been activated.

Purpose:

To configure the activated device via batch configuration tool and iVMS-4200 client software remotely, you should add the device to the tool or the software firstly.

3 ways for adding the device are supported: adding active online devices within your subnet, adding device by IP address, and adding device by IP segment.

8.2.1 Adding 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. Select an active online device or hold the **Ctrl** or **Shift** key to select multiple devices in the online devices list.

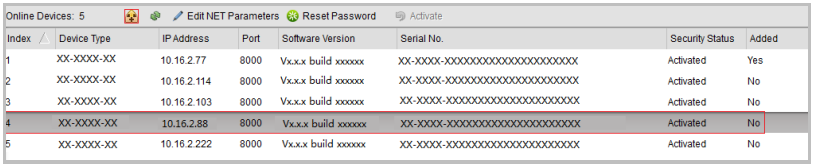
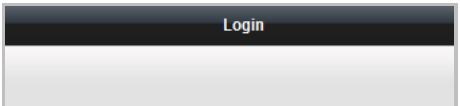


Figure 8-3 Online Devices Interface

2. Click to pop up the login dialog box.



3. Input the user name and password.
4. Click **OK** to save the settings.

Note:

- Only devices successfully logged in will be added to the device list for configuration.
- If you add devices in batch, please make sure selected devices have the same user name and password.

8.2.2 Adding by IP Address

Purpose:

You can add the device by inputting IP address.

Steps:

1. Click to pop up the adding devices dialog box.

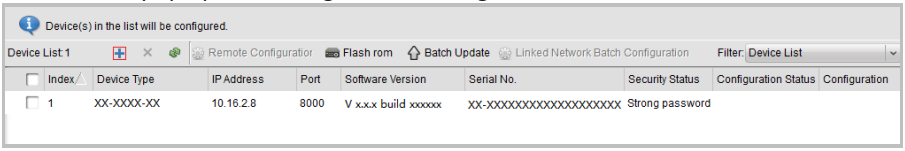


Figure 8-5 Click Adding Button

2. Select IP Address in the adding mode drop-down list.
3. Input the IP address, and set the port No., user name and password of the device.

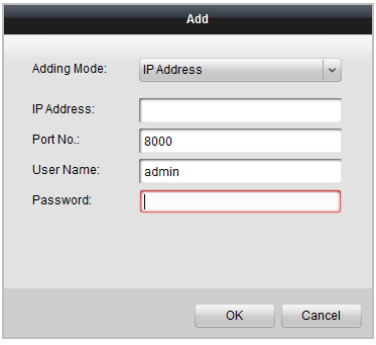


Figure 8-6 Adding by IP Address

4. Click **OK** to add the device to the device list.

Note:

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

Steps:

1. Click to pop up the adding devices dialog box.

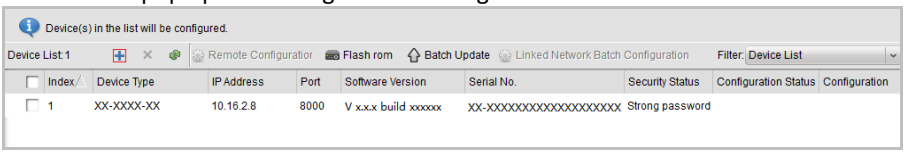


Figure 8-7 Click Adding Button

2. Select IP Segment in the adding mode drop-down list.
3. Set the Start IP Address and End IP Address.
4. Input port No., user name, and password.

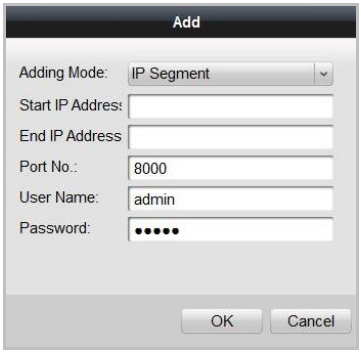


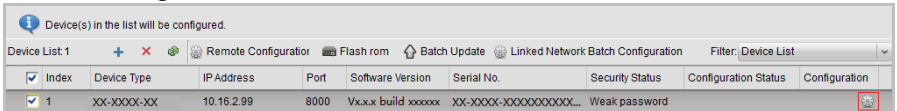
Figure 8-8 Adding by IP Segment

5. Click **OK** to search and add the devices whose IP addresses are within the range of the defined IP segment to the device list.

8.3 Configuring Devices Remotely

In the device list area, select a device and click

or to enter the remote configuration interface.



Device Information

Click **System –> Device Information** to enter device basic information interface. You can view basic information (the device type, and serial No.), and version information of the device.

Figure 8-10 Device Information

General

Click **System –> General** to enter device general parameters settings interface. You can view and edit the device name and device ID.

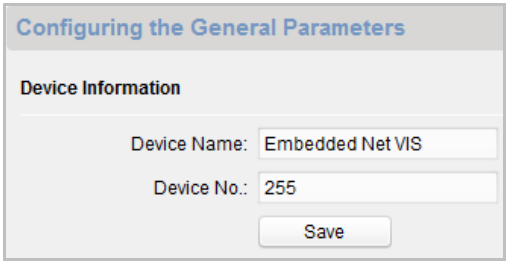


Figure 8-11 General

Time

Steps:

1. Click **System –> Time** to enter the device time settings interface.

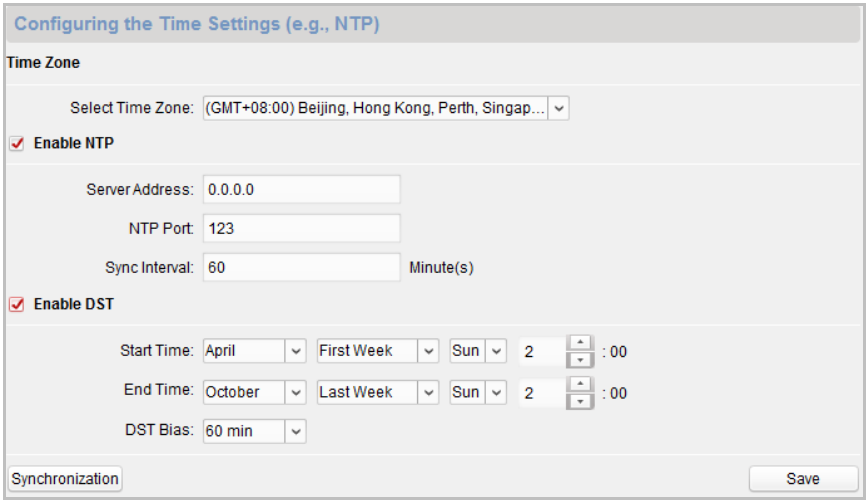


Figure 8-12 Time Settings

2. Select Time Zone or Enable NTP.

- **Time Zone**

1) Select a time zone from the drop-down list menu.
2) Click the **Synchronization** button.

- **NTP**

1) Check the checkbox of Enable NTP to enable NTP.
2) Input the server address, NTP port, and synchronization interval.

- **DST**

1) Check the checkbox of Enable DST to enable DST.
2) Input the start time and end time of DST, and set the DST bias.

3. Click **Save** to save and realize the time settings.

Note: The default port No. is 123.

System Maintenance

Purpose:

You can operate the system management and remote upgrading on the system maintenance interface.

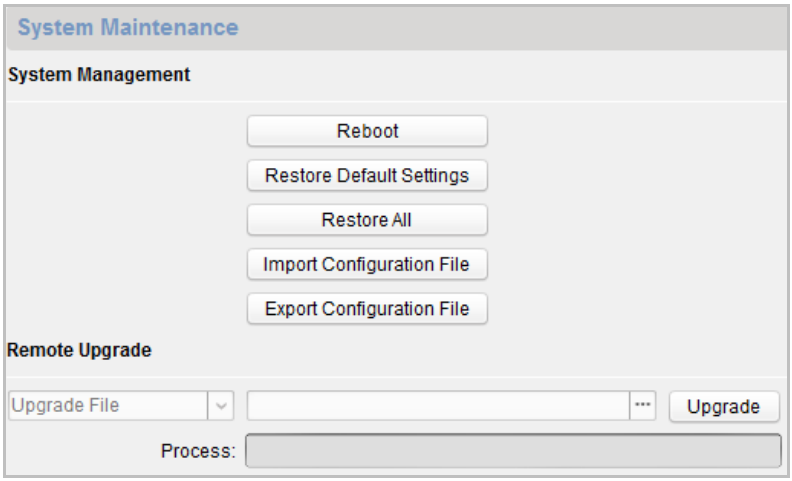
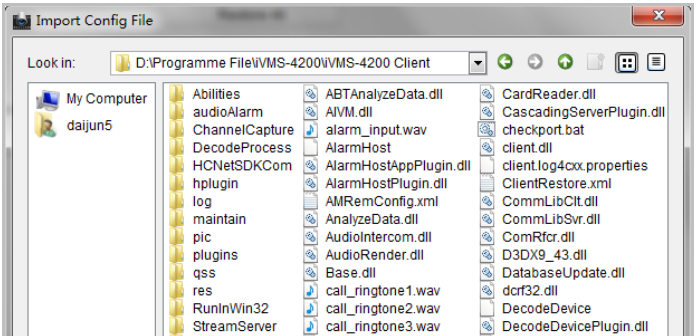


Figure 8-13 System Maintenance

2. Click **Reboot** and the system reboot dialog box pops up. Click **Yes** to reboot the system.
3. Click **Restore Default Settings** to restore the default parameters.
4. Click **Restore All** to restore all parameters of device and reset the device to inactive status.
5. Click **Import Configuration File** and the import file window pops up. Select the path of remote configuration files. Click **Open** to import the remote configuration file. The configuration file is imported and the device will reboot automatically.



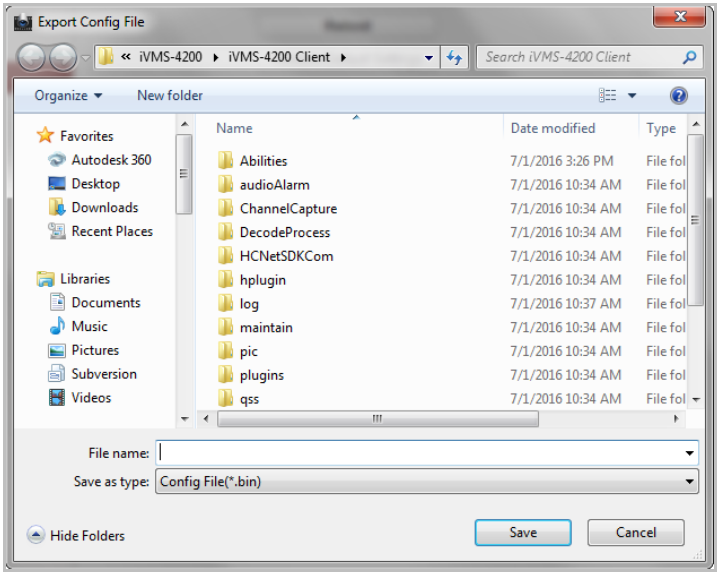


Figure 8-15 Export File

7. Click ... to select the upgrade file and click **Upgrade** to remote upgrade the device. The process of remote upgrade will be displayed in the process bar.

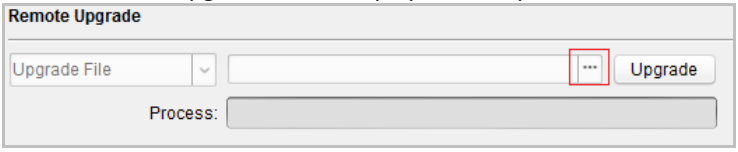


Figure 8-16 Remote Upgrade

Note:

- By clicking **Restore Default Settings**, all default settings, excluding network parameters and user information, will be restored.
- By clicking **Restore All**, all default settings, including network parameters and user information, will be restored. The device will be reset to inactivated status.

User

Purpose:

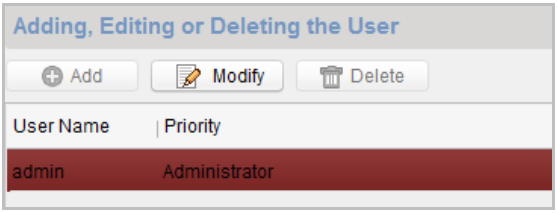


Figure 8-17 Select User Name

2. Select the user to edit and click **Modify** to enter the user parameter interface.

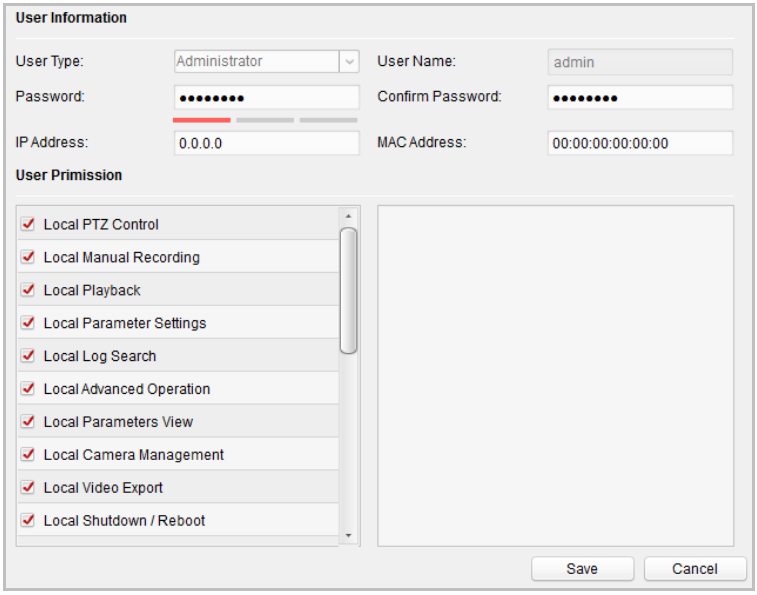


Figure 8-18 Modify User Information

3. Input the new password, and confirm it.
4. Click **Save** to realize the editing of password.

Note:

- The new password and confirm password should be identical.
- After editing the password of device, click button from the device list, the added device will not be there. You should add the device again with new password to

ID Configuration

Purpose:

To call the door station via the client software or to call indoor stations/the client software/the master station via the door station successfully, you should number the door station first. You should set the community No., the building No., the unit No., and the floor No. for the door station.

The door station supports 2 kinds of device type: villa door station and doorphone. When it works as a doorphone, there is no need setting the community No., the building No., the unit No., the floor No. or the device No..

Steps:

1. Click **Video Intercom –> ID Configuration** to enter device ID configuration interface.

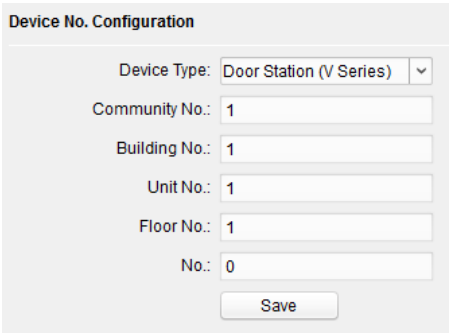


Figure 8-19 Door Station (V Series)

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, the serial No. is 0.
- For sub door station, the serial No. is larger than 0. Serial No. ranges from 1 to 99.
- For each villa or building, at least one main door station should be configured, and sub door stations can be customized.
- For one main door station, at most 8 sub door stations can be customized.
- Select doorphone as device type, and the serial No. is not necessary to configure. Please utilize the doorphone along with the main door station (V Series or D Series).

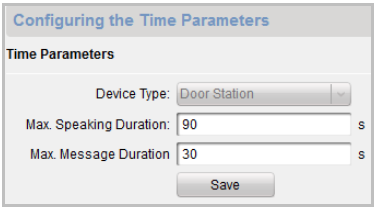


Figure 8-20 Time Parameters

Note: For door station, maximum speaking time and maximum message time should be configured. Maximum speaking time varies from 90s to 120s, and maximum message time varies from 30s to 60s.

Access Control and Elevator

Steps:

1. Click **Video Intercom –> Access Control and Elevator** to enter the access control and elevator settings interface.

   Note: The door station does not support the elevator controlling function.

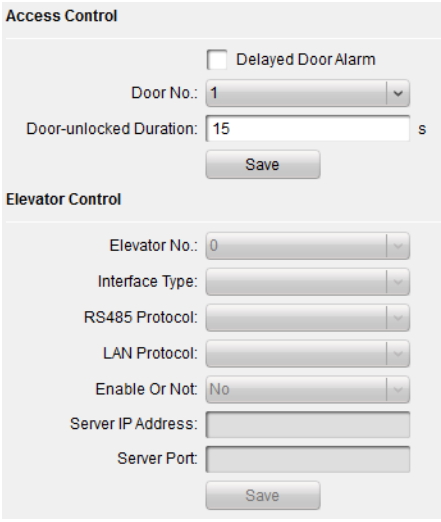


Figure 8-21 Access Control and Elevator Settings

2. Select the door No.

Note: This function only applies to door stations, except for the doorphone.

IO Input and Output

IO input/output refers to the Alarm In terminal and the Alarm Out terminal. You can connect external devices to the door station via these terminals. The door station has 1 Alarm In terminal (AI), and 1 Alarm Out terminal (NO/COM/NC).

Steps:

1. Click **Video Intercom -> IO Input and Output** to enter the IO input and output interface.

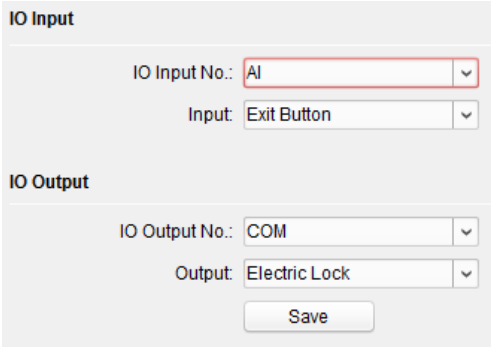


Figure 8-22 IO Input/Output Configuration

2. Set the input mode: Disabled, Exit Button, Door Status, Custom.
   Disabled: The function of the AI terminal is disabled.
   Exit Button: The AI terminal supports connecting to the exit button.
   Door Status: The AI terminal supports connecting to the door magnetic.
   Custom: It is reserved.
3. Set the output mode: Disabled, Electric Lock, Custom.
   Disabled: The function of the NO/NC/COM terminal is disabled.
   Electric Lock: The NO/NC/COM terminal supports connecting to the electric lock (electric strike, and magnetic lock).
   Custom: It is reserved.
4. Click **Save** to enable the settings.

Volume Input and Output

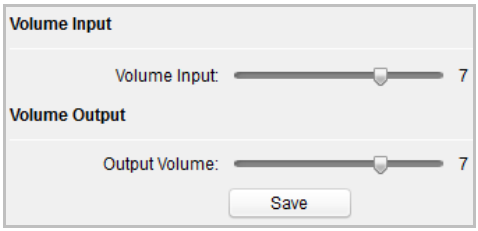


Figure 8-23 Volume Configuration

2. Slide the slider to adjust the volume input and volume output.
3. Click **Save** to enable the settings.

Call Button

Steps:

1. Click **Video Intercom -> Call Button** to enter the call button settings interface.

Figure 7-1 Call Button Settings Interface

2. Check the checkbox of **Quick Press for Calling Center**.
3. Click **Save** to enable the settings.

Note: If enabling **Quick Press for Calling Center**, you should call resident by holding down the call button, and call center by quickly pressing the call button.

Motion Detection

Purpose:

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

Motion detection configuration adopts the same set of motion detection parameters in the daytime and at night.

Task 1: Set the Motion Detection Area

Steps:

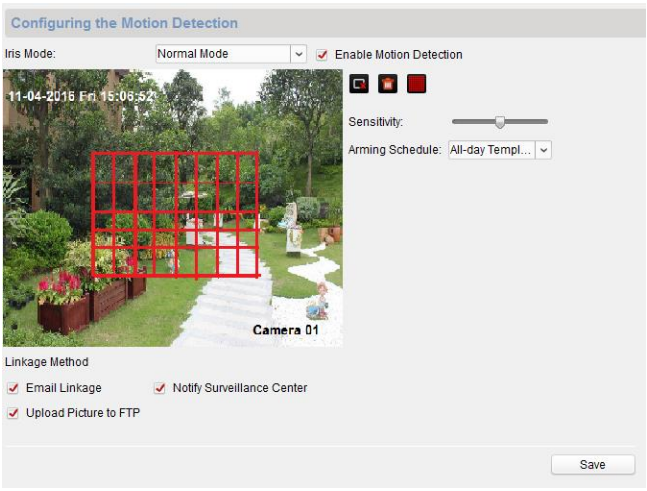


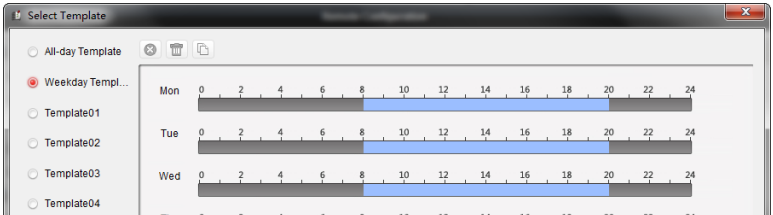
Figure 7-2 Motion Detection Settings Interface

2. Check the checkbox of **Enable Motion Detection**.
3. Click and drag the mouse on the live video to draw motion detection area.
4. (Optional) Click , then the whole live video screen belongs to the draw motion detection area.
5. (Optional) Click to delete the selected motion detection area.
6. (Optional) Click to delete all motion detection areas.
7. (Optional) Move the slider to set the sensitivity of the detection.

Task 2: Set the Arming Schedule for the Motion Detection

Steps:

1. Click the arming schedule drop-down list to enter the arming schedule settings interface.



2. Edit a template and save it.

Note: Up to 9 templates are supported to be set manually.

1) Select a template, e.g., Template 01, and click Edit on the upper right corner to the template editing interface.

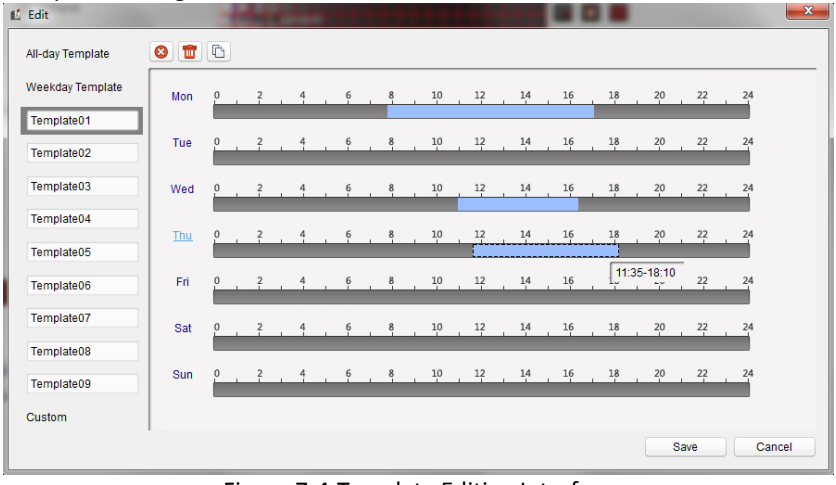


Figure 7-4 Template Editing Interface

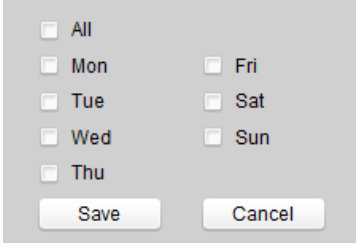
2) Click on the time bar and drag the mouse to the time period.

Note: Click on the selected time period, you can adjust the time period to the desired time by either moving the time bar or input the exact time period.

3) Select a time period, click to delete the selected one.

4) Click to delete all configured time periods.

5) Select a time period, click to copy the selected time period to other days.



Weekday Template: The motion detection area is armed during the working time period of each day. The working time period here is from 8 am to 8 pm.

4. (Optional) If you select **Custom**, you should manually set the time period. The way is same with the settings of template 1.

Task 3: Set the Linkage Method for Motion Detection

Check the checkbox to select the linkage method. Send email, notify surveillance center, and upload to FTP are selectable.

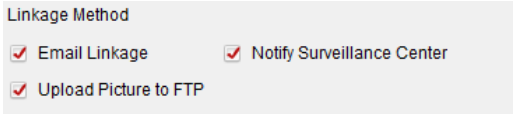


Figure 8-24 Linkage Method Settings

Notify Surveillance Center: Send an exception or alarm signal to remote management software when an event occurs.

Email Linkage: Send an email with alarm information to a user or users when an event occurs.

Note: To send the Email when an event occurs, please complete the Email configuration in advance in Section 8.3.3.

Upload Picture to FTP: Capture the image when an alarm is triggered and upload the picture to the configured FTP server.

Notes: Set the FTP address and the remote FTP server first. Please complete the FTP configuration in advance in Section 8.3.3.

Working Mode

Click **Video Intercom -> Work Mode** to enter the working mode settings interface.

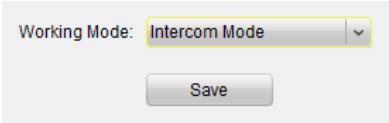


Figure 7-6 Working Mode Settings Interface

If you select the **Intercom Mode**, the door station functions as a video intercom device, while if you select the **IPC Mode**, the door station functions as a camera only.

Supplement Light

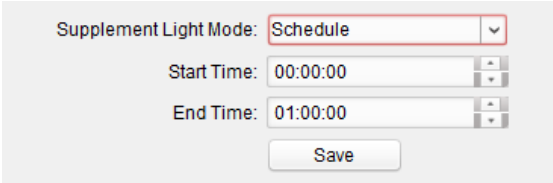


Figure 7-7 Supplement Light Mode Settings Interface

2. Select the supplement light mode: Auto, Schedule.

   Auto: The camera of the door station switches between the day mode and the night mode according to the illumination automatically.

   Schedule: The camera of the door station switches between the day mode and the night mode according to the configured time period.

3. Set the start time (day) and the end time (day).

   The start time and the end time require configuring when the supplement light mode is scheduled switch.

   The camera of the door station will stay at day mode during the start time and end time.

Note:

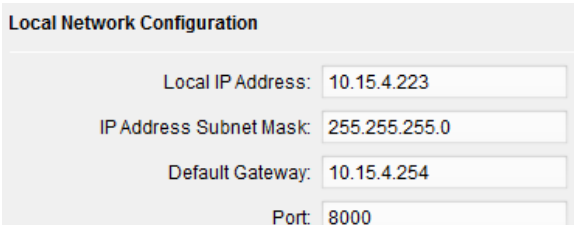
- The interval between the start time and the end time should be more than 10s.
- The start time should be earlier than the end time.

8.3.3 Network

Local Network Configuration

Steps:

1. Click **Network -> Local Network Configuration** to enter local network configuration interface.



- After editing the local network parameters of device, you should add the devices to the device list again.

Linked Devices Network Configuration

Purpose:

In the linked devices network configuration interface, you can configure the network parameters of master stations, SIP servers and management centers of the same LAN. The devices can be linked to the door station and realize the linkage between these devices.

Steps:

1. Click **Network -> Linked Network Configuration** to enter linked network configuration interface.

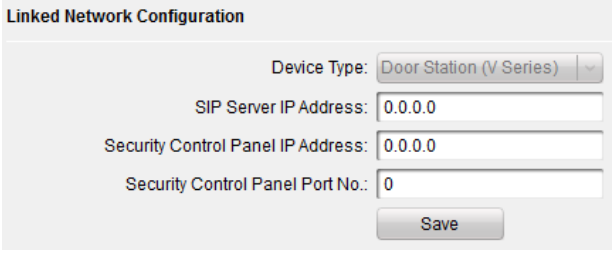


Figure 8-26 Linked Network Configuration

2. Input the SIP server IP address, the management center IP address, and the management center port No..
3. Click **Save** to enable the settings.

Note:

- After adding SIP Server Address IP, the video intercom of same community: video intercom between indoor stations of different building, calling indoor station from outer door station and video intercom between management center and indoors.
- After adding management center IP Address, the events can be uploaded to the management center.

FTP

Steps:

1. Click **Network -> FTP** to enter the FTP parameters interface.

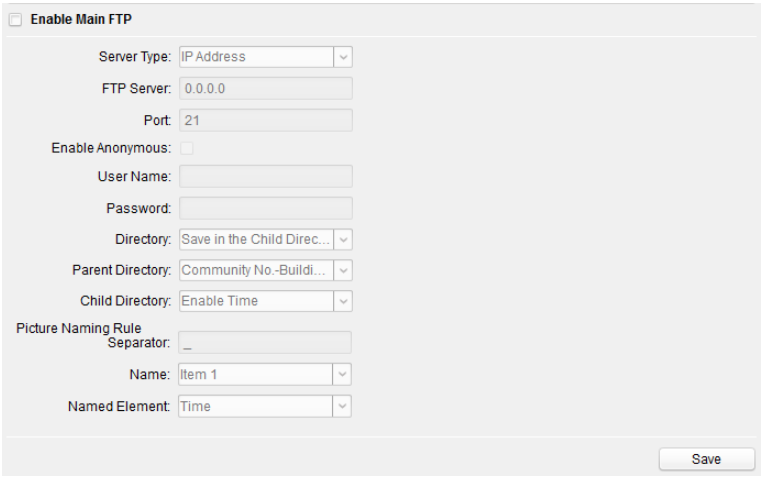


Figure 8-27 FTP Configuration

2. Check the checkbox of **Enable Main FTP.**
3. Select IP address from the drop-down list of server mode.
4. Input the FTP server address, and port No..
5. Check the checkbox to enable the anonymity (optional).
6. Input the name and password.
7. Select the directory structure and set the separator, naming item, and naming element.
8. Click **Save** to enable the FTP parameters settings.

Note:

- The default port No. is 21.
- To enable anonymity or not is according to whether the FTP server enables anonymity.
- After configuring the FTP parameters, the captured pictures of door station will be uploaded to the FTP server automatically.
- This function only applies to the door station, except for the doorphone.

Email

Purpose:

2. Set the DNS server address in the Advanced Settings interface.
3. Click **Network -> Email** to enter the email settings interface.

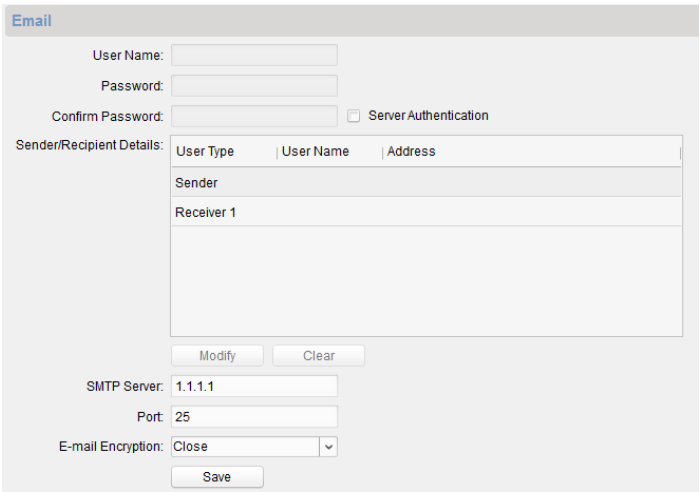


Figure 8-28 Email Configuration

4. Input the user name, password, and confirm the password.
5. Set the sender/recipient details.
   1) Select **Sender** or **Receiver**, and click **Modify** to pop up the information settings window.

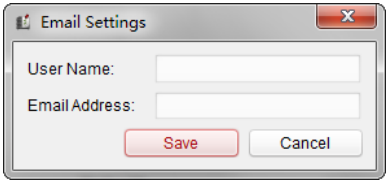


Figure 8-29 Information Settings

   2) Input the user name, and the email address.
6. Set the following parameters.

   SMTP Server: IP address or host name (e.g., smtp.263xmail.com) of the SMTP Server.

   SMTP Port: The SMTP port. The default TCP/IP port for SMTP is 25 (not secured).

For your privacy and to better protect your system against security risks, we strongly recommend the use of strong passwords for all functions and network devices. The password should be something of your own choosing (using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers and special characters) in order to increase the security of your product.

Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

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

HTTPS

Steps:

1. Click **Network -> HTTPS** to enter the HTTPS parameters interface.

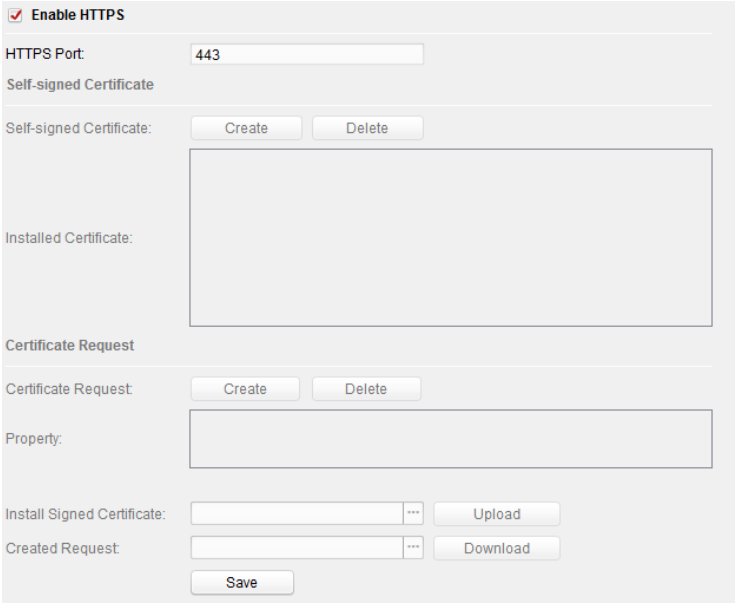


Figure 8-30 HTTPS Configuration

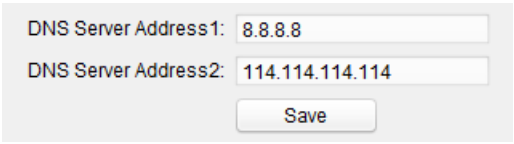


Figure 8-31 DNS Server Settings Interface

2. Set the DNS server address 1 and the DNS server address 2.
3. Click **Save** to save the settings.

8.3.4 Video Display

Video Parameters

Steps:

1. Click **Video Display -> Video Parameters** to enter the video parameters interface.

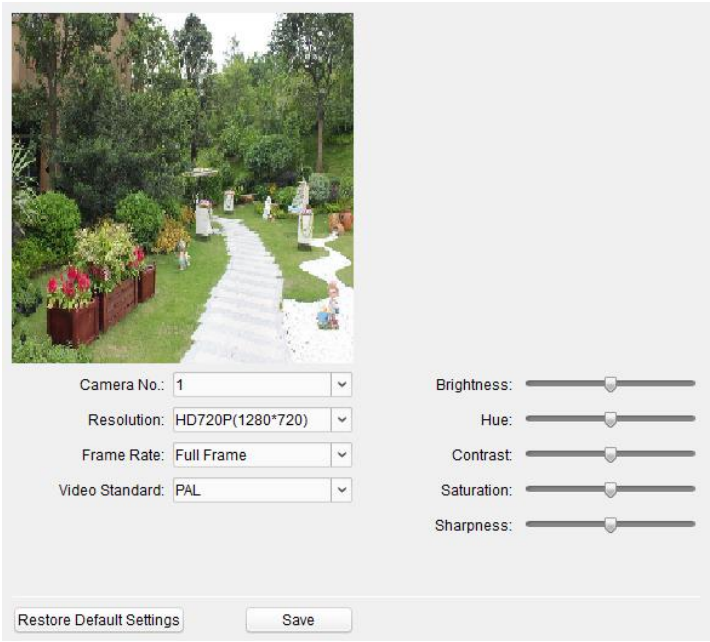


Figure 8-32 Video Display

Click **Restore Default Settings** to restore all parameters, excluding network parameters and user information, to the factory settings.

Video Display (OSD Settings)

Purpose:

On the video display interface, you can set OSD (On-screen Display) parameters, including the camera name, time/date format, and display mode on the live view.

Steps:

1. Click **Video Display -> Video Display** to enter the video display interface.

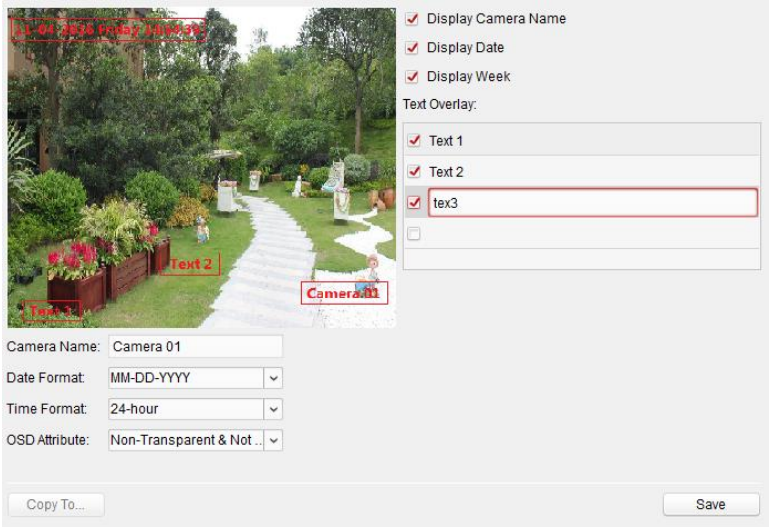


Figure 8-33 Video Display (OSD Settings)

2. Check the corresponding checkbox to select the display of camera name, date or week if required.
3. Edit the camera name in the text field of Camera Name.
4. Select from the drop-down list to set the date format, the time format, and the OSD attribute.
5. Set overlaid text if needed. Input the desired information in the textbox.

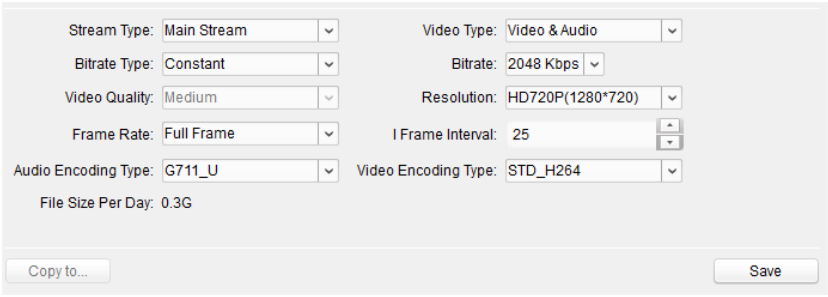


Figure 8-34 Video/Audio Settings (Main Stream)

2. Select the stream type of the door station to main stream or sub-stream.

   The main stream is usually for the live view with good bandwidth, and the sub-stream can be used for the live view when the bandwidth is limited.

3. Set the following parameters for the selected 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.

   Resolution: For the main stream, the resolution of the video output is 1280 x 720P, and for the sub stream, the resolution of the video output is 640 x 480.

   Bitrate Type: Select the bitrate type to constant or variable.

   Video Quality: If you set the bitrate type as constant, the video quality is medium. If you set the bitrate type as variable, multiple choices of the video quality can be selected: Lowest, Lower, Low, Medium, Higher, and Highest.

   Frame Rate: Set the frame rate. The frame rate describes 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. For the main stream, the max. bitrate ranges from 32 to 4096 Kbps, and for the sub stream, the max. bitrate ranges from 32 to 2048 Kbps. The higher value corresponds to the higher video quality, but the better bandwidth is required.

   Video Encoding: If the stream type is set to main stream, H.264 is selectable, and if the stream type is set to sub stream, H.264 is selectable.

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

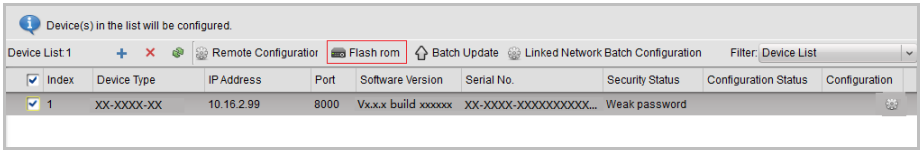


Figure 8-35 Video Device Set-up Tool

8.4.1 Setting a Community Structure

Set a community structure in the video intercom device set-up tool first, based on the real community situation, and then assign devices to the community accordingly.

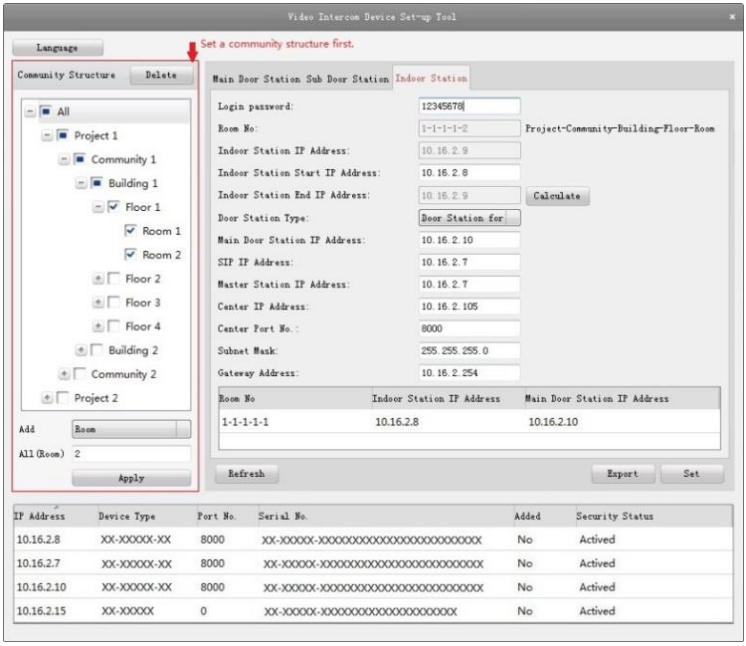


Figure 8-36 Set a Community Structure

8.4.2 Setting Main/Sub Door Station

Setting a Main Door Station

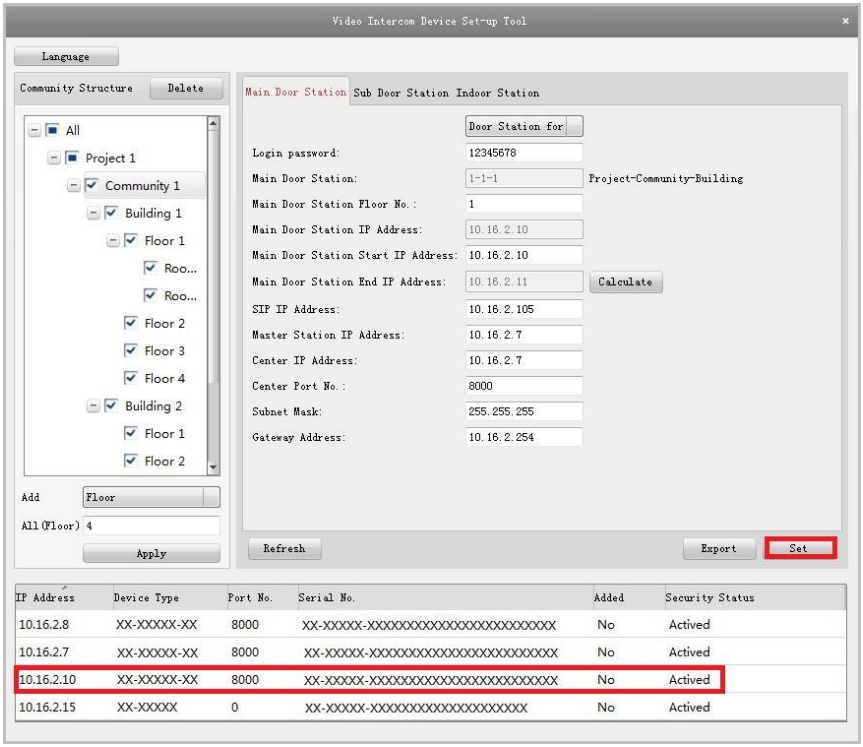


Figure 8-37 Set a Main Door Station

2. Select the door station type from the drop-down list menu: Door Station for Unit, or Door Station for Villa.
3. Input the main door station start IP address, set the main door station floor No., and then click **Calculate** to generate the main door station end IP address and main door station No. (like 1-1-1) automatically.
4. Set the linked network parameters for the main door station: SIP IP address, master station IP address, center IP address, center port No., subnet mask, and gateway address.
5. Select an online door station, input the login password, and click **Set**.

Note:

Setting Sub Door Stations

Steps:

1. Select the community, and press the **Sub Door Station** tab to switch to the sub door station configuration interface.

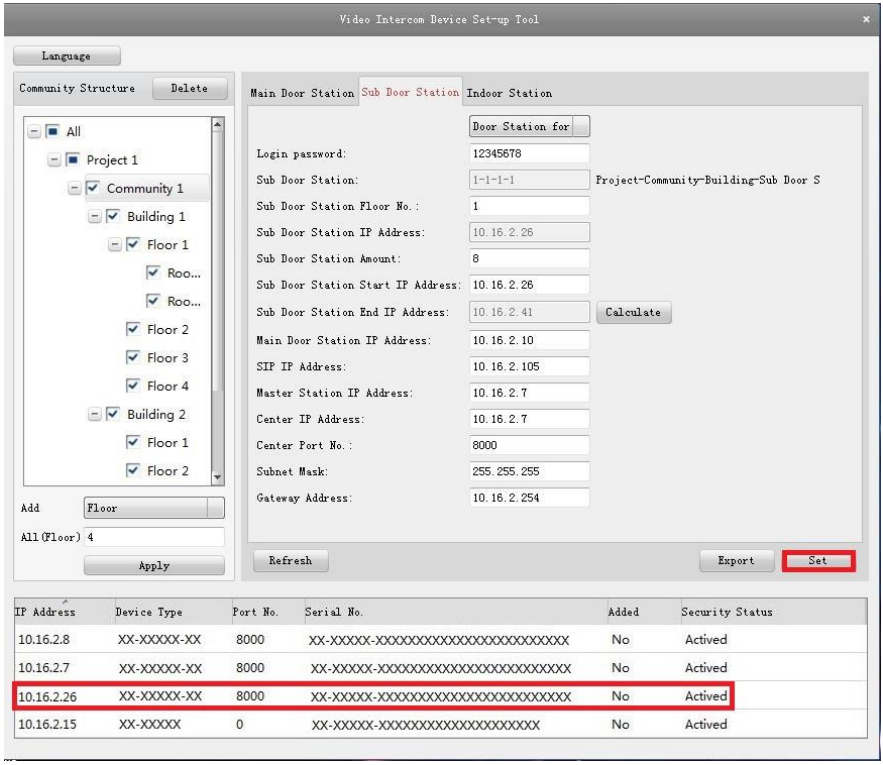


Figure 8-38 Set Sub Door Stations

2. Select the door station type from the drop-down list menu: Door Station for Unit, or Door Station for Villa.
3. Set the sub door station parameters (sub door station amount, floor No., start IP address, end IP address), and then click **Calculate** to generate the sub door station

- For the login password, if the sub door station has been activated, input the activation password here. If the sub door station is not activated, create a login password here, and the sub door station will be activated simultaneously.
- When the device is successfully configured, it prompts the note: Configuring main door station parameters succeeded

8.5 Batch Upgrading

In the device list area, click Batch Update to enter the batch upgrading interface.

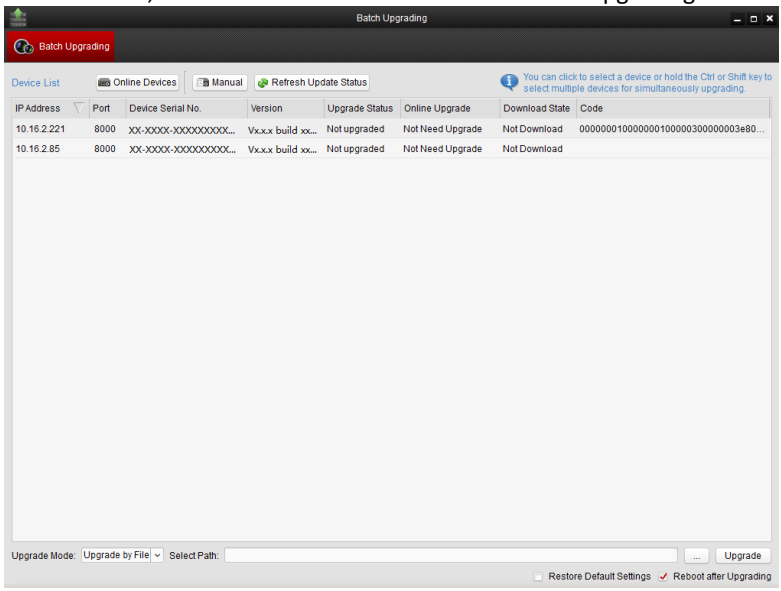


Figure 8-39 Batch Upgrading

8.5.1 Adding Devices for Upgrading

You should add the device to the batch upgrading tool first before upgrading the device. There are 2 ways to add the device: adding online device, and adding by IP address/IP segment.

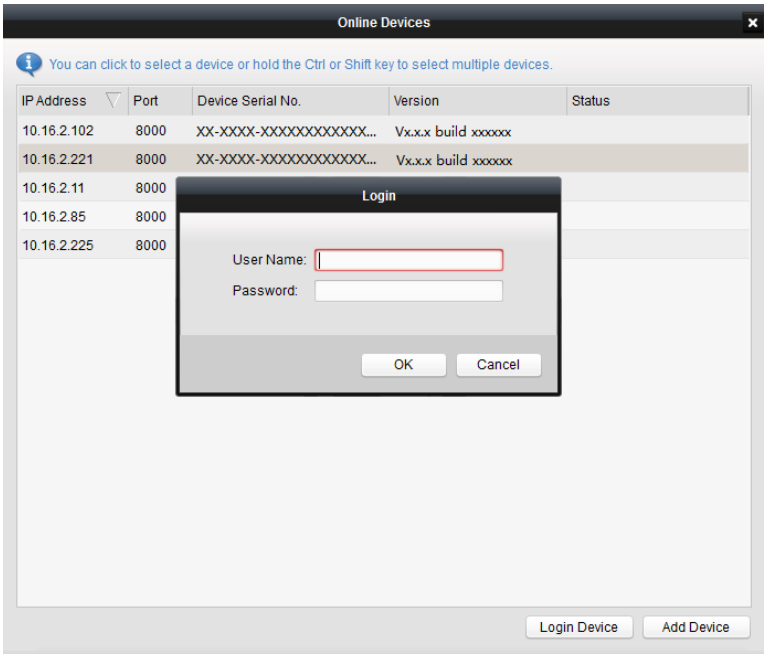
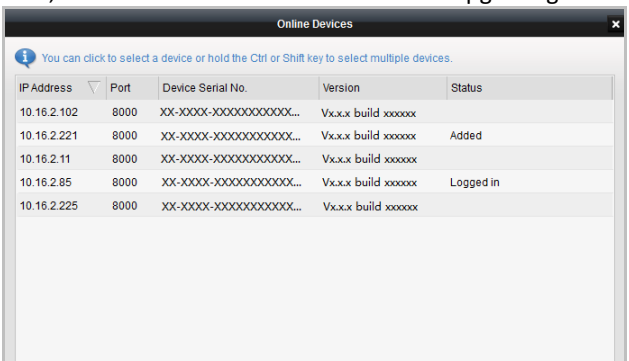


Figure 8-40 Login

2. Select a device, input the user name and password, and click **Login Device**.
3. Click **Add Device**, and the device is added to the batch upgrading tool.



Adding by IP Address/IP Segment

Steps:

1. Click **Manual** to open the device adding window.
2. Input the corresponding information (IP address, user name, password, start IP address, end IP address).
3. Click **Add**.

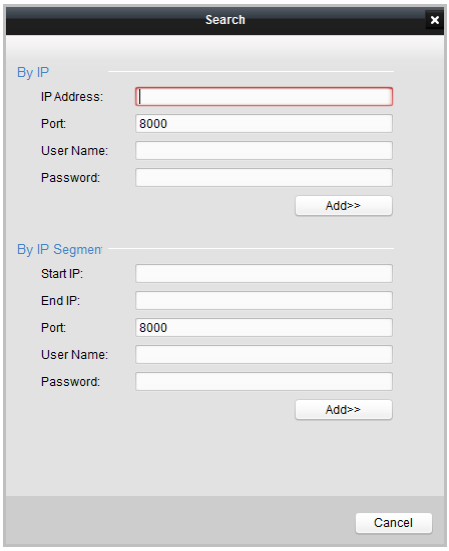


Figure 8-42 Adding by IP Address/IP Segment

8.5.2 Upgrading Devices

There are 2 upgrading modes available: upgrading by file, and online upgrading.

Upgrading by File

Upgrading by File: You upgrade the device or devices via the local upgrade files.

Steps:

1. Select a device or multiple devices, and select “Upgrade by File” as the upgrading mode.

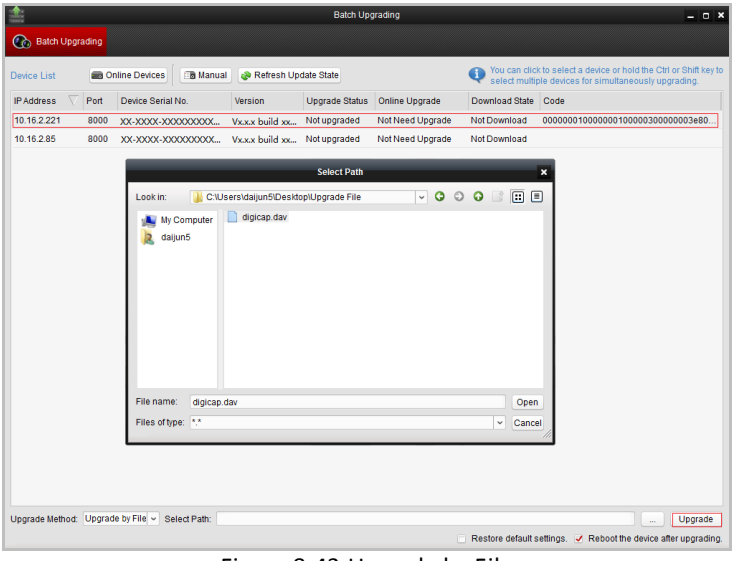


Figure 8-43 Upgrade by File

3. Open the upgrading file, and click **Upgrade**.

Online Upgrading

Online Upgrading: The batch upgrading tool will search the latest upgrading file for the device automatically. You upgrade the device or devices via the local upgrade files.

Steps:

1. Select a device or multiple devices, and select “Online Upgrading” as the upgrading mode.
2. Click **Download**. Click **Upgrade** after the online upgrading file has been wholly downloaded.

9 Remote Operation via iVMS-4200 Client Software

The Video Intercom module provides remote control and configuration on video intercom products via the iVMS-4200 client software.

Before remote configure and control the video intercom, you are required to add the device to the software first. Refer to *9.2 Device Management.*

For remote configuration of video intercom device via the iVMS-4200 client software, refer to *9.3 Configuring Devices Remotely via iVMS-4200.*

For the picture storage on storage server, refer to 9.4 *Picture Storage.*

For remote control of video intercom devices, please refer to 9.6 *Video Intercom Configuration*.

9.1 System Configuration

Purpose:

You can configure the video intercom parameters accordingly.

Steps:

1. Open the System Configuration page: **Control Panel -> Maintenance and Management -> System Configuration -> Video Intercom**.
2. Click the **Video Intercom** tab to enter the Video Intercom Settings interface.
3. Input the required information.

   Ringtone: Click the icon and select the audio file from the local path for the ringtone of indoor station. Optionally, you can click the icon for a testing of the audio file.

   Max. Ring Duration: Input the maximum duration of the ringtone, ranging from 15 seconds to 60 seconds.

   Max. Speaking Duration with Indoor Station: Input the maximum duration of speaking with the indoor station, ranging from 120 seconds to 600 seconds.

   Max. Speaking Duration with Door Station: Input the maximum duration of speaking with the door station, ranging from 90 seconds to 120 seconds.

   Card Reader Type: Select the card reader to issue cards.

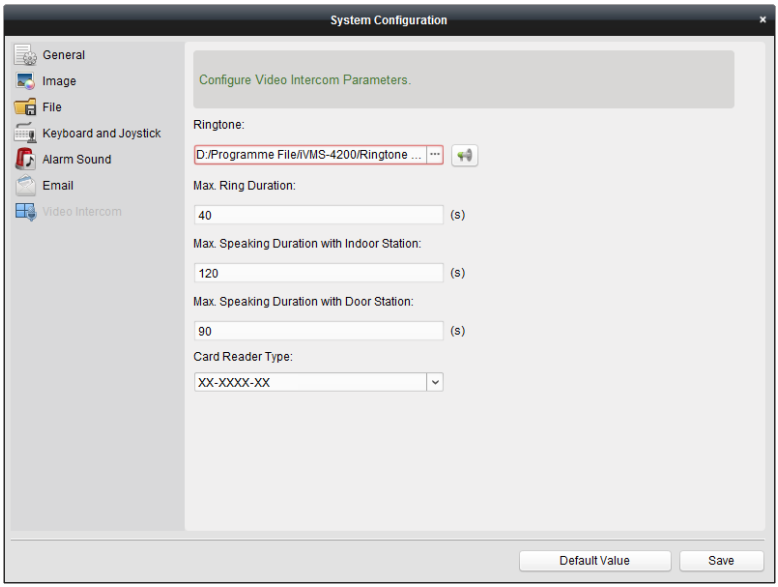


Figure 9-1 System Configuration Interface

9.2 Device Management

Purpose:

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

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

9.2.1 Adding Video Intercom Devices

You can add at most 512 indoor stations and master stations in total to the iVMS-4200, and add at most 16 door stations to the iVMS-4200.

For video intercom devices, you are required to create the password to activate them before they can be added to the software and work properly. For device activation via

1. Click the icon on the control panel, or click **Tools->Device Management** to open the Device Management page.
2. Click the **Server** tab.

   To add indoor station or master station:

   1) Click **Add New Device Type** to enter add new device type interface. Select **Indoor Station/Master Station** and click **OK**.

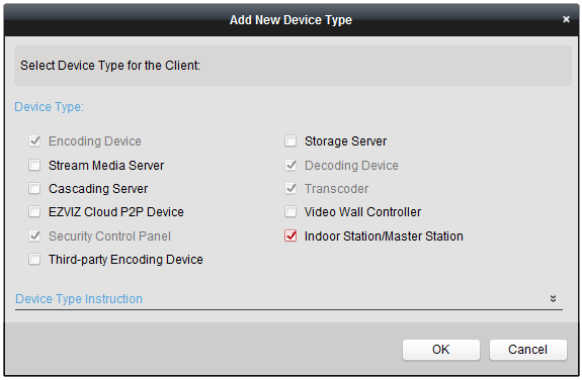


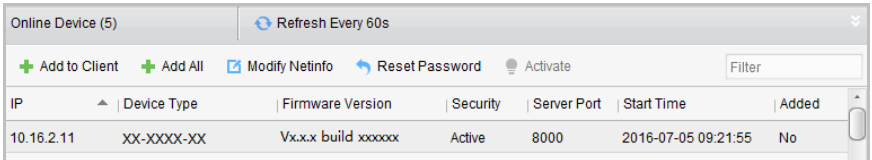
Figure 9-2 Adding New Device Type

   2) In the Server tab, Video Intercom Device will display, select **Video Intercom Device** and add indoor station and master station.

   To add door station:

   In the Server tab, select **Encoding Device/Outdoor Device** and add door station.

3. The active online devices in the same local subnet with the client software will be displayed on the **Online Device** area. You can click the **Refresh Every 60s** button to refresh the information of the online devices.



6. Input the required information.

   Nickname: Edit a name for the device as you want.

   Address: Input the device's IP address. The IP address of the device is obtained automatically in this adding mode.

   Port: Input the device port No.. The default value is 8000.

   User Name: Input the device user name. By default, the user name is admin.

   Password: Input the device password. By default, the password is 12345.

7. Optionally, you can check the checkbox **Export to Group** to create a group by the device name. All the channels of the device will be imported to the corresponding group by default.

   Note: iVMS-4200 also provides a method to add the offline devices. Check the checkbox **Add Offline Device**, input the required information and the device channel number and alarm input number, and then click **Add**. When the offline device comes online, the software will connect it automatically.

8. Click **Add** to add the device.

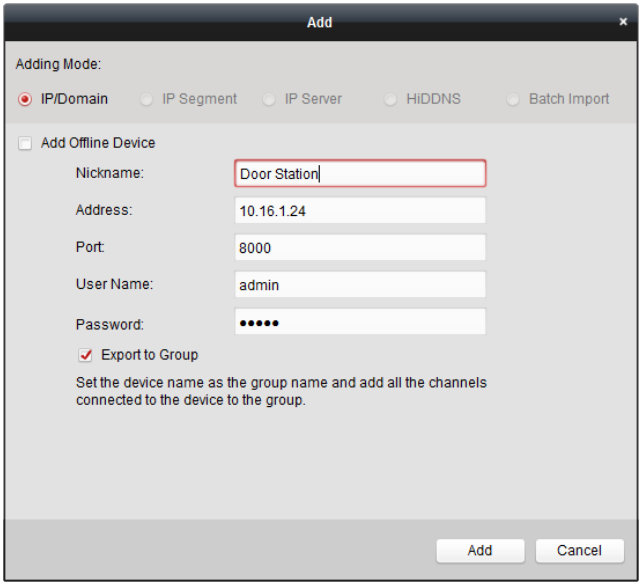


Figure 9.2 Adding Device by IP/Domain

If you want to add all the online devices to the client software, click Add All and click **OK** in the pop-up message box. Then input the user name and password for the devices to be added.

9.2.2 Modifying Network Information

Select the device from the online list, click **Modify Netinfo**, and then you can modify the network information of the selected device.

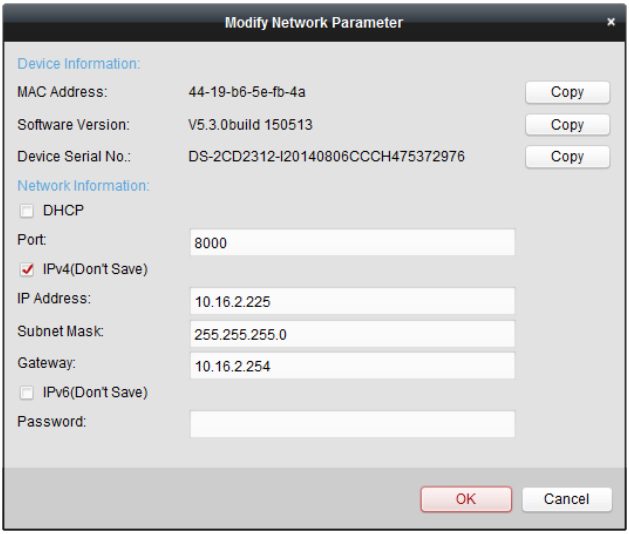


Figure 9-3 Modify Network Parameter

Note:

You should input the admin password of the device in the **Password** field of the pop-up window to modify the parameters.

9.2.3 Resetting Password

According to the different video intercom devices, the software provides two different

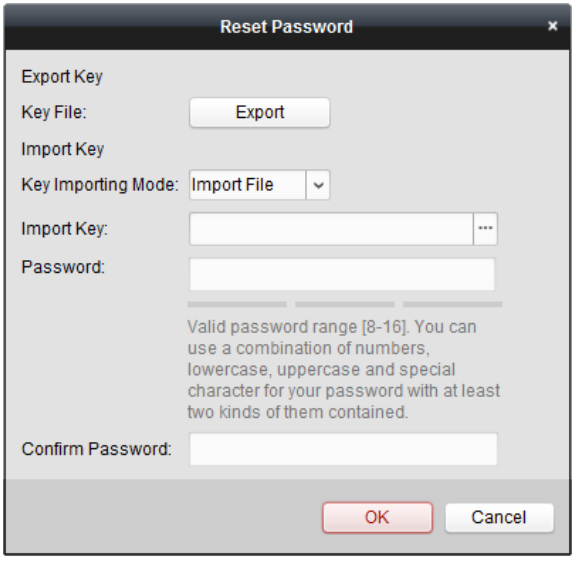


Figure 9-4 Reset Password (Option 1)

1. Click **Export** to save the device file on your computer.
2. Send the file to our technical engineers.
3. Our technical engineer will send you a file to you. After receiving a file from the technical engineer, select **Import File** from Key Importing Mode drop-down list and click ··· to import the file.
4. Input new password in text fields of **Password** and **Confirm Password**.
5. Click **OK** to reset the password.

STRONG PASSWORD RECOMMENDED– *We highly recommend you create a strong password of your own choosing (Using a minimum of 8 characters, including at least three of the 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 reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.*

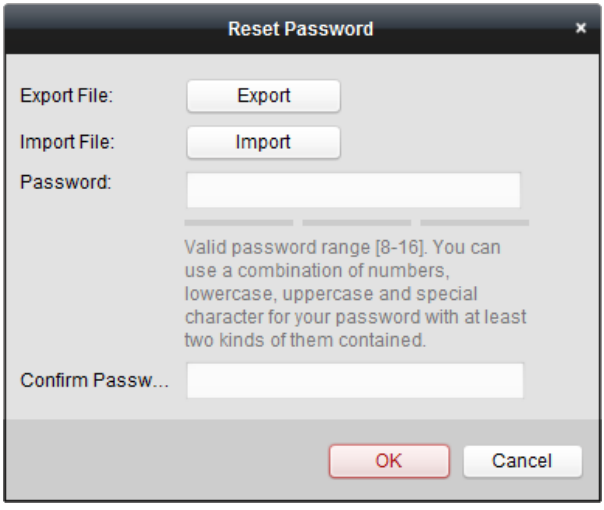


Figure 9-5 Reset Password (Option 2)

1. Click **Export** to save the device file on your computer.
2. Send the file to our technical engineers.
3. Click **Import** and select the file received from the technical engineer.
4. Input new password in text fields of **Password** and **Confirm Password**.
5. Click **OK** to reset the password.

STRONG PASSWORD RECOMMENDED– *We highly recommend you create a strong password of your own choosing (Using a minimum of 8 characters, including at least three of the 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 reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.*

9.3 Configuring Devices Remotely via iVMS-4200

When starting the live view of door station via iVMS-4200, you can capture the live view picture. The captured picture can be uploaded and stored in the storage server.

Note:

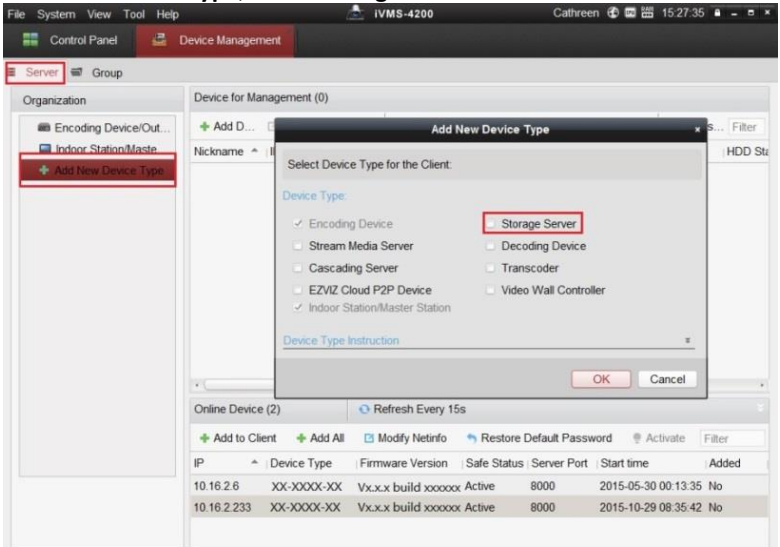
- This function is only available to door stations.
- You are required to add storage server to the iVMS-4200, and format the HDDs first before uploading and storing captured pictures.

9.4.1 Adding Storage Server

Before you start:

The storage server application software needs to be installed and it is packed in the iVMS-4200 software package. When installing the iVMS-4200, check the checkbox of **Storage Server** to enable the installation of storage server.

1. Click the icon on the desktop to run the storage server.
2. Open the Device Management page and click the **Server** tab.
3. Click **Add New Device Type**, select **Storage Server** and click **OK**.



9.4.2 Formatting the HDDs

The HDDs of the storage server need to be formatted for the captured picture storage.

Steps:

1. Select the added storage server from the list and click **Remote Config**.
2. Click **Storage->General** to enter the HDD Formatting interface.
3. Select the HDD from the list and click **Format**. You can check the formatting process from the process bar and the status of the formatted HDD changes from *Unformatted* to *Normal Status*.

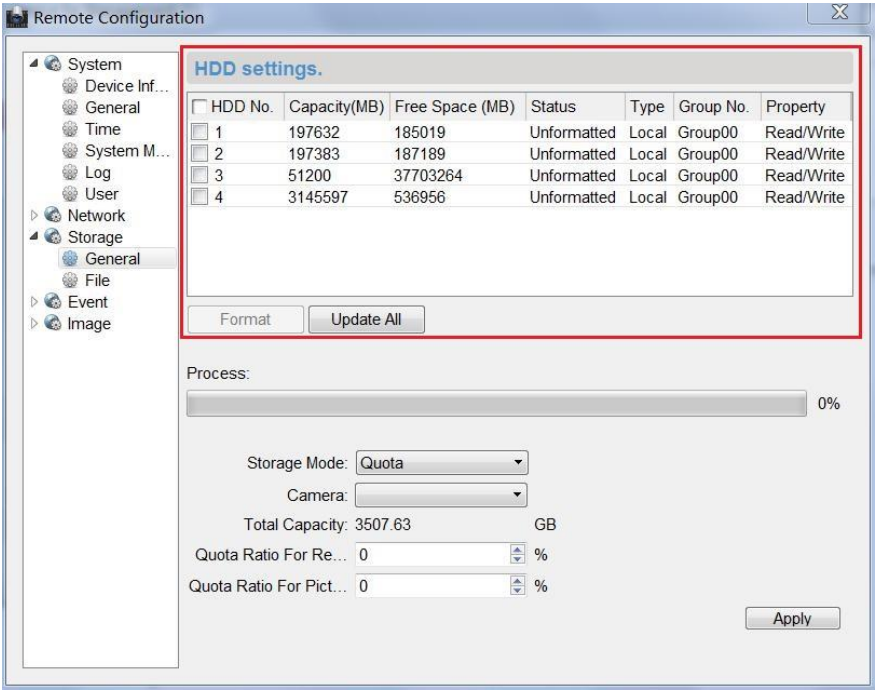


Figure 9-7 Format HDDs

Note: Formatting the HDDs is to pre-allocate the disk space for storage and the original

1. Open the Record Schedule page.
2. Select the camera from the Camera Group list.
3. Select the storage server from the **Storage Server** drop-down list.
   Note: You can click **Storage Server Management** to add, edit or delete the storage server.
4. Check the checkbox of **Picture Storage** to store the alarm pictures of the camera when event occurs.

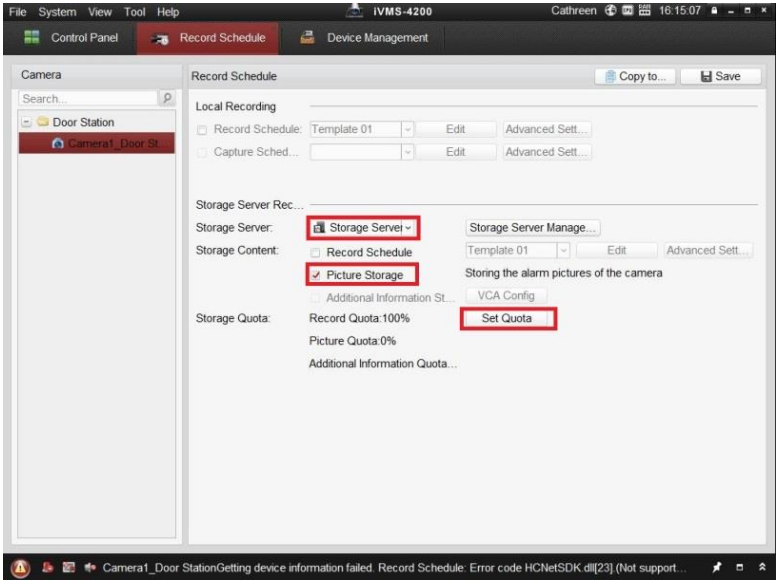


Figure 9-8 Setting Storage Server

5. Click **Set Quota** to enter the HDD management interface of the storage server. You can set the corresponding quota ratio for captured picture information.

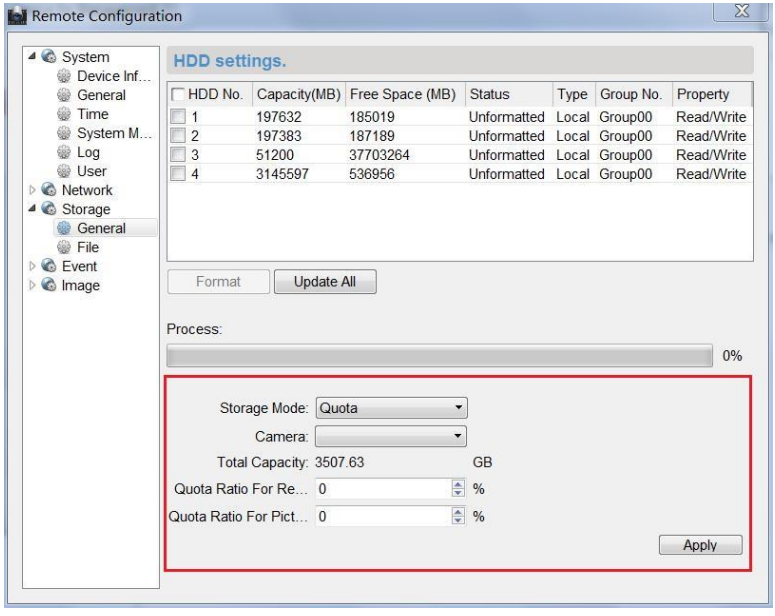


Figure 9-9 Setting Quota

Example: If you set the picture quota as 60%, then the 60% of the storage space can be used for storing the captured pictures.

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

9.5 Live View

Purpose:

The live view page allows you to view the real-time video, capture images, and unlock the door.

Steps:

1. Enter the main view interface of iVMS-4200 client software to display the live view of door station.

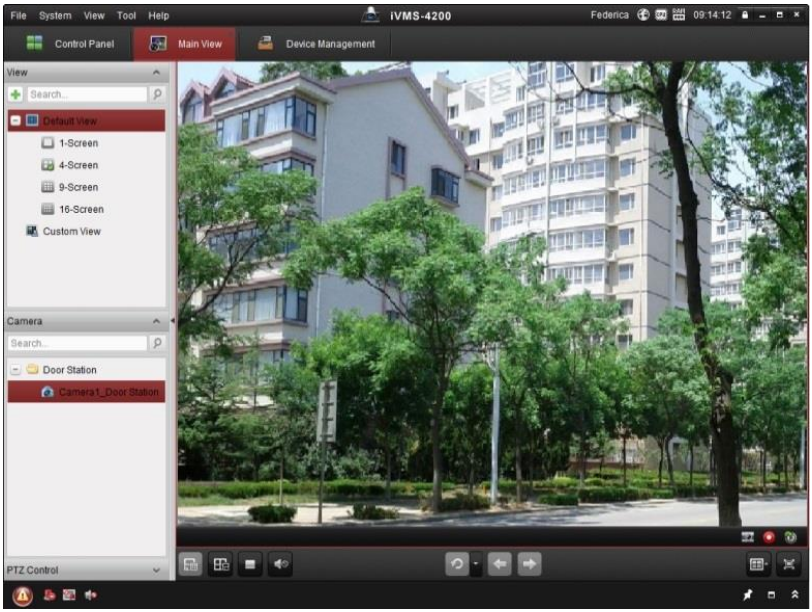


Figure 9-3 Live View of Doo Station

2. Right click on the live view interface to display the menu and select **Unlock** to remote unlock the door.

9.6 Video Intercom Configuration

Click the icon on the control panel of iVMS-4200 or click **View -> Video Intercom** to open the Video Intercom page. On the Video Intercom page, you can control video intercom devices remotely. There are 4 modules on the Video Intercom page:

Video Intercom: Start visual communication with door stations, and manage incoming calls from indoor stations and door stations and master stations. Refer 9.6.2 *Video Intercom* for detail steps.

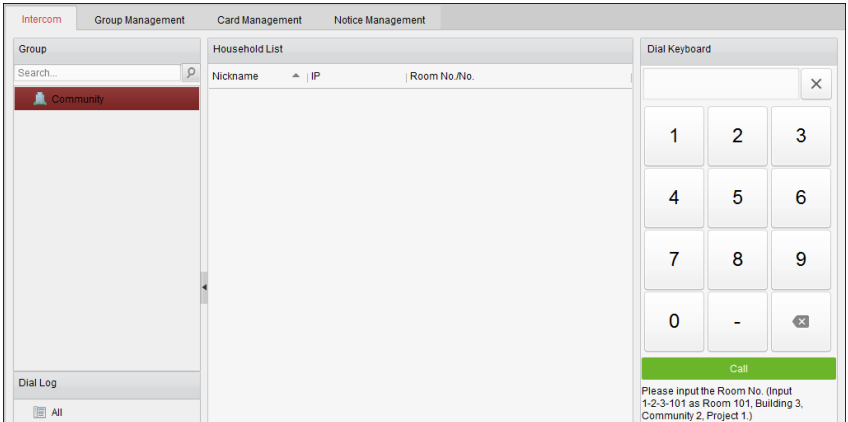
Group Management: Construct virtual communities according to the real community situations, and assign door stations and indoor stations to the community accordingly. Refer 9.6.1 *Group Management* for detail steps.

Note: You should manage groups first before starting the visual communication with indoor stations or door stations.

Card Management: Add unauthorized cards to the iVMS-4200, and issue card to the door station via the client software.

Note: The vandal-resistant door station does not support the card management.

Notice Management: Send information to indoor stations, search information, search call logs, and search unlocking logs. Refer 9.6.3 *Notice Management* for detail steps.



9.6.1 Group Management

Purpose:

You can add groups to community, outer door station, or other, and assign devices to each group.

Click **Control Panel -> Video Intercom -> Group Management** to add, edit, and delete groups. Three group types can be selected: community, outer door station and other.

Adding Group

1. Click the **Group Management** tab to enter the group management interface.

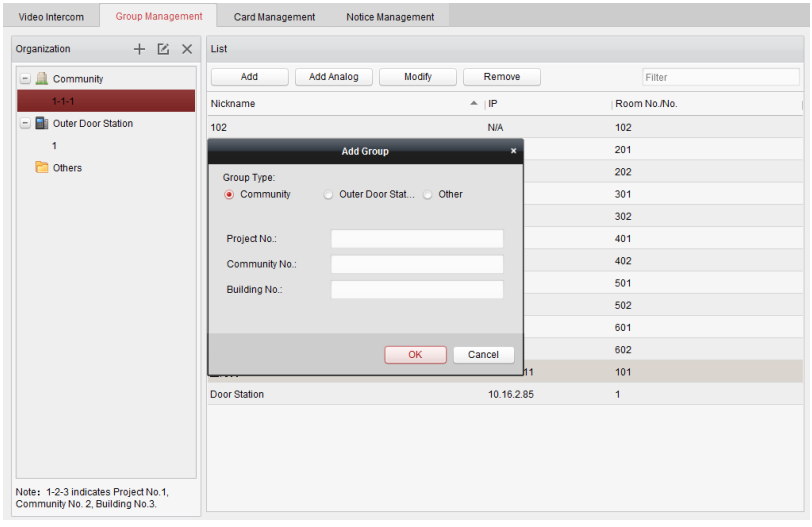


Figure 9-11 Adding Group

2. Click to pop up group adding window, and input the corresponding information accordingly.
   - Select **Community** as group type, and then Input the Community No., building No., and Unit No. to set the community structure, as shown in the figure below.

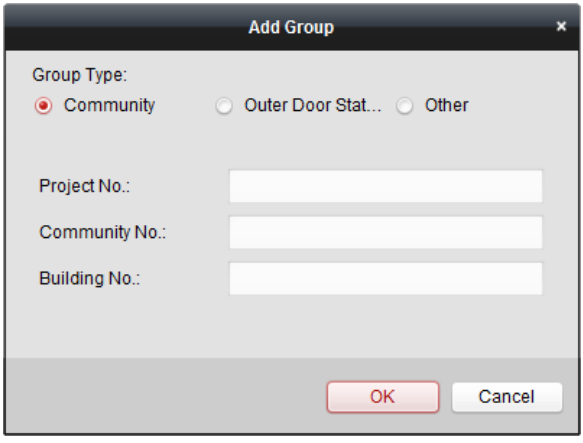


Figure 9-12 Adding Community

- Select **Outer Door Station** as group type, and then input the outer door station No. (Range: 1 to 9) to set the outer door station, as shown in the figure below.

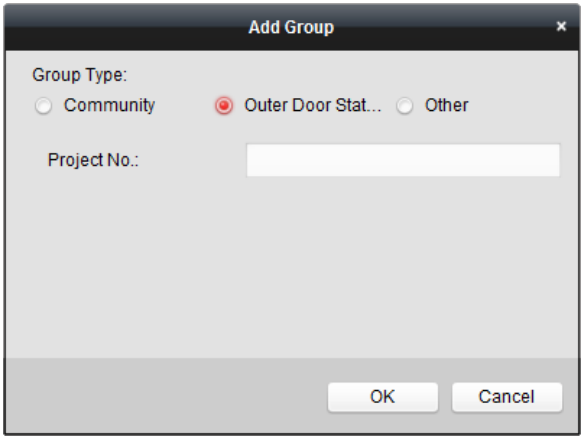


Figure 9-13 Adding Outer Door Station

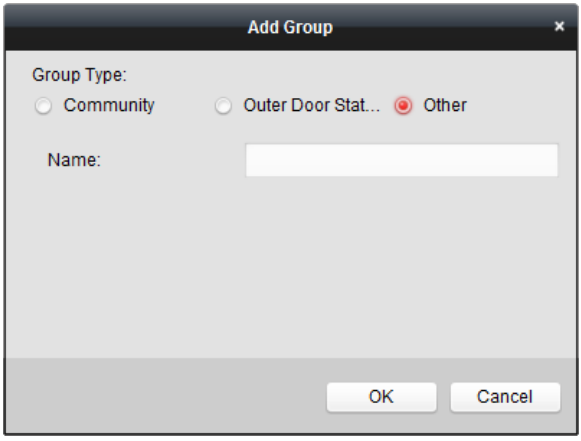


Figure 9-14 Adding Other

For example: You can name the group as administrator, entrance guard and cleaning staff, etc.

Note: When selecting **Other** as the group type, you can set different groups for staff other than residents, such as administrator, security guard and cleaning staff, etc., and you can assign cards to these staff and configure different permissions to them.

3. Click **OK** to complete group adding.

Assigning IP Devices to Group

After adding groups to Community, Outer Door Station, or Other, you should assign devices to the group.

For example: You should assign indoor stations and door stations to the group 1-1-1 in Community.

1. Click **Add** to enter the Add Resident Interface and the video intercom devices added to the client software will be listed, as shown in the figure below.

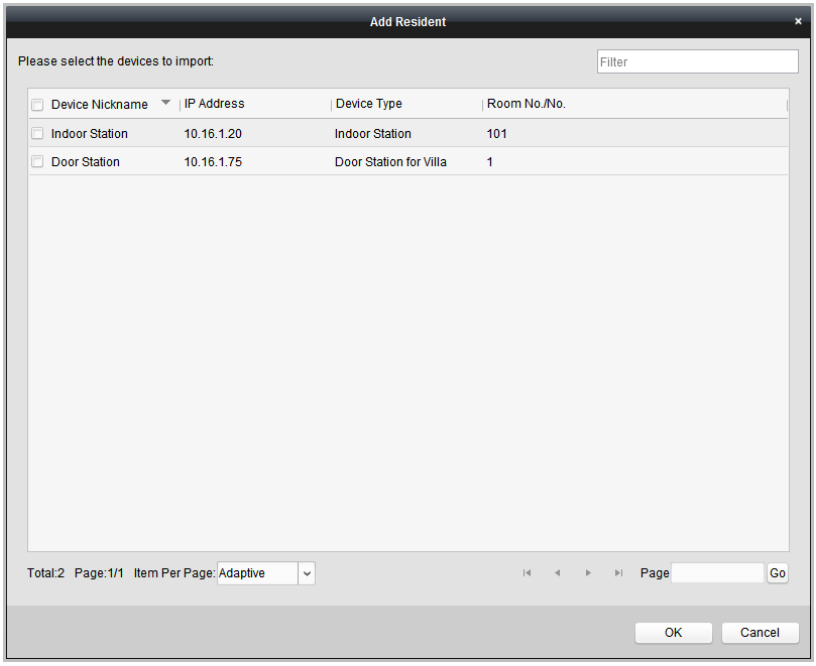


Figure 9-15 Adding Resident

2. Check the checkbox of device.

   Indoor Station: set a Room No. for the indoor station.

   Door Station: set a No. for the door station.

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

Assigning Analog Devices to Group

When assigning analog devices to group, only analog indoor stations are supported.

1. Click **Add Analog** to pop up analog device adding window. You can add analog devices singly or in batch.
   - Adding Devices in Batch: Input the start floor and end floor, and set the room numbers.

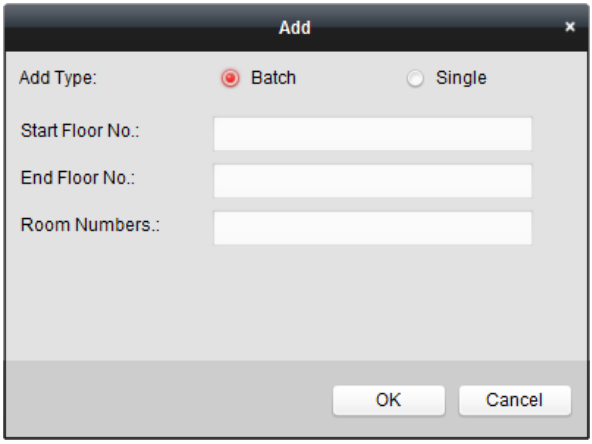


Figure 9-16 Adding Devices in Batch

Note: Room Numbers here refers to the room numbers in each floor.

- Adding Devices Singlly: Input the room No..

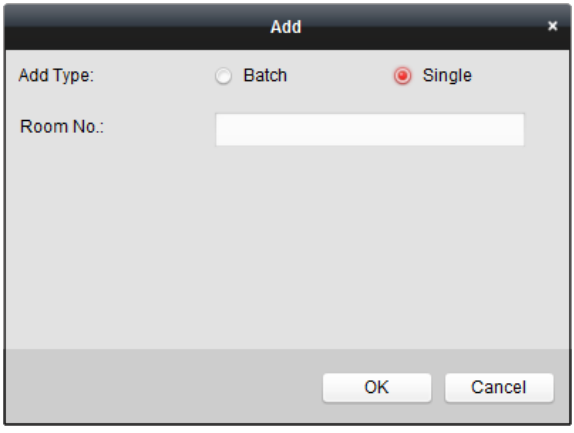


Figure 9-17 Adding Device Singly

Note: The room No. format is like 101.

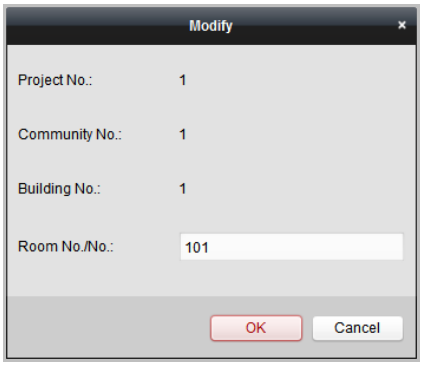


Figure 9-18 Modifying Device Information

3. Click **OK** to complete the device modifying operation.

Deleting Device

1. Select an added device.
2. Click **Remove** to pop up a dialog box.

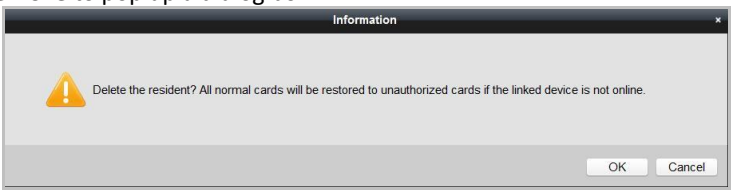


Figure 9-19 Information

3. Click **OK** to complete the group deleting operation.

9.6.2 Video Intercom

Receiving Call from Door Station

Purpose:

When the door station has been added to the client software, you can call iVMS-4200

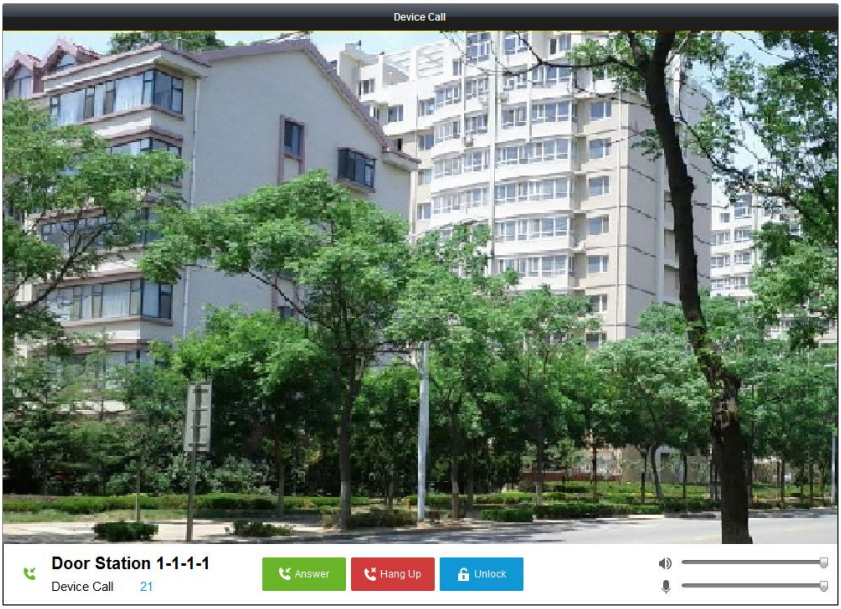


Figure 9-20 Calling from Door Station

Note:

- When the SIP server IP of the door station is configured, press **Calling Center** key on the door station to call the master station instead of iVMS-4200.
- Click **Unlock** to unlock the building or villa door via iVMS-4200, no matter whether answering the call from door station or not.
- Click **Answer** to answer the call from door station.
- Click **Hang Up** to end the call from door station.

Call Log

On the Video Intercom tab page, there are four types of call logs you can search: **All**, **Dialed**, **Received**, and **Missed**.

On the dial log area, you can view detail information of the dialog, and click **Call** to start the audiovisual call with the indoor station.

2. Select the calling status, device type, and set the start time and end time, and click **Query** to search the call log.

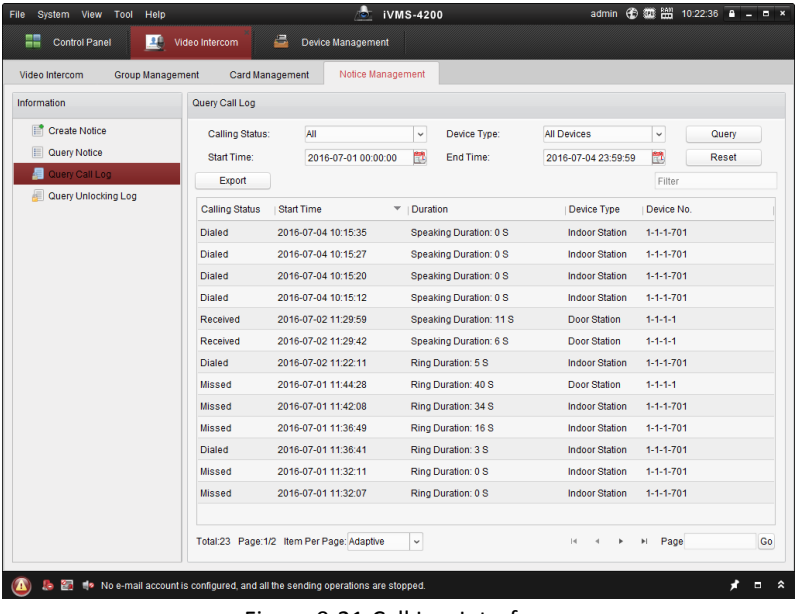


Figure 9-21 Call Log Interface

3. Click **Export** to export the call logs as an excel file.

Querying Unlocking Log

Steps:

1. Click **Query Unlocking Logs** to enter the unlocking log querying page.
2. Select the unlocking type, device type, and set the start time and end time, and click **Query**.

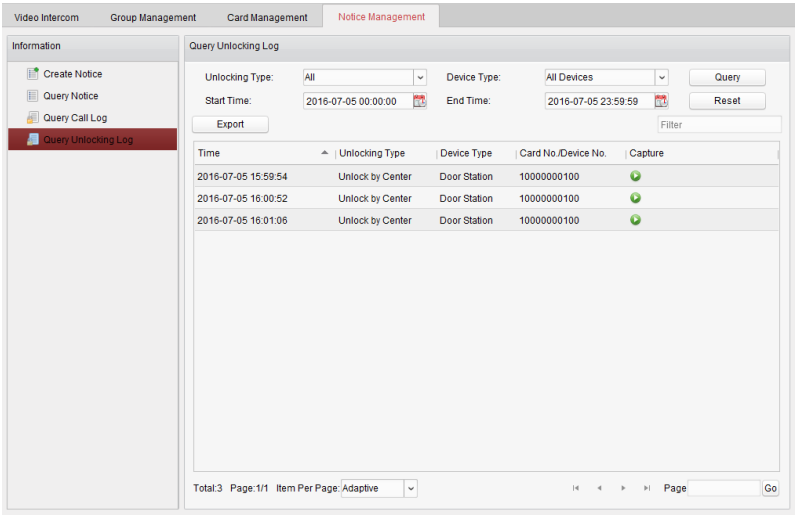


Figure 9-22 Unlocking Log Interface

3. Click **Export** to export the unlocking logs as an excel file.

9.7 Device Arming Control

Steps:

1. Select **Tool->Device Arming Control** to pop up device arming control window.

2. Set the arming status of the device as armed, and the alarm information will be auto uploaded to the client software when alarm occurs.

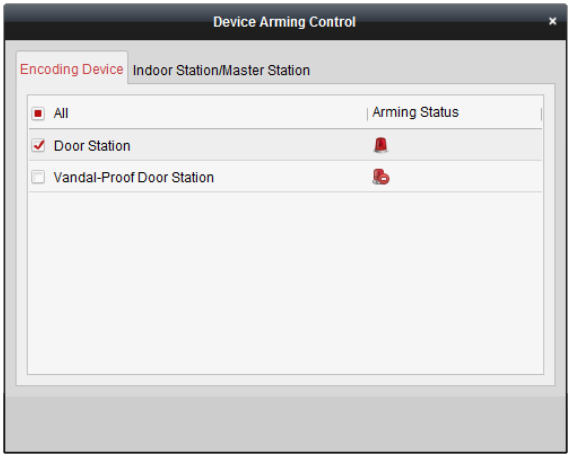


Figure 9-24 Device Arming Control

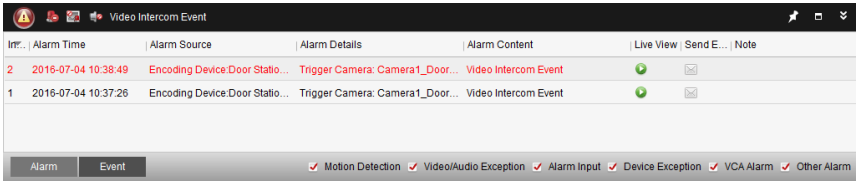


Figure 9-25 Alarm Events

Note: After adding the device to the client software, it will be armed automatically.

Appendix

Installation Notice

While installing the door station, please make sure that the distance between any two devices is far as possible to avoid the howling and echo. The distance between two devices is recommended to be longer than 10 meters.

Devices here refer to indoor station, door station, doorphone and master station.

Wiring Cables

Cable	Specification
Power Cord of Door Station	RVV 2*1.0
Network Cable of Door Station	UTP-five Categories
Door Lock Wiring (With Door Magnetic)	RVV 4*1.0
Door Lock Wiring (Without Door Magnetic)	RVV 2*1.0
Exit Button Wiring	RVV 2*0.5

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