



User Manual

Video Management Software

1. Overview.....	5
1.1. Introduction.....	5
1.2. Key Function.....	5
1.3. System Requirements.....	6
2. Installation and Uninstallation of VMS Software.....	6
2.1 Installation.....	6
2.2 Login.....	9
2.3 Uninstall.....	10
2.4 Advanced Deployment Mode.....	10
3. Device Management.....	14
3.1 Add Device.....	14
3.1.1 Add Single or Multiple Online Devices.....	14
3.1.2 Add Device by IP Address or Domain Name.....	15
3.1.3 Add Device by Cloud ID.....	17
3.1.4 Add Device by Logging in to a Cloud Account.....	18
3.2 Manage Added Devices.....	20
3.2.1 Delete Device.....	21
3.2.2 Upgrade Device Firmware.....	22
3.2.3 Refresh Device List Information.....	23
3.2.4 Check Device Live Video.....	23
3.2.5 Edit Added Device.....	25
3.2.6 Modify Device Network Parameters.....	25
3.2.7 Access Device Configuration.....	26
3.2.8 Access Device Web Browser.....	27
3.2.9 Check Device Status.....	28
3.3 Group Management.....	29
3.3.1 Create Group.....	30
3.3.2 Import Channels to Group.....	31
3.3.3 Edit Channel Parameters.....	32
3.3.4 Delete Channels from Group.....	33
3.3.5 Delete Group.....	34
3.3.6 Rename the Group.....	35
4. Live View.....	36
4.1 Preview Interface Introduction.....	36
4.2 Live View Toolbar.....	36
4.2.1 Toolbar.....	37
4.2.2 Quick Setting Toolbar in Channel Image.....	37
4.3 Start and Stop Live View.....	38
4.3.1 Start Live Video for One Camera.....	38
4.3.2 Start Live Video for Group Cameras.....	40
4.3.3 Start Live Video in Custom View Mode.....	40
4.3.4 Stop Live View.....	41
4.4 Customize Window Division.....	42
4.5 Manually Record and Capture.....	43

4.5.1 Manually Record Video.....	43
4.5.2 Capture Pictures.....	43
4.6 Cruise in Live View.....	44
4.6.1 Single Window Cruise.....	44
4.6.2 Multi-Window Cruise.....	45
4.6.3 Monitor Plan to Cruise.....	45
4.7 Auxiliary Screen Preview.....	48
4.8 PTZ Control.....	49
4.8.1 PTZ Control Panel.....	50
4.8.2 Set Preset, Auto Tour, Auto Scan and Pattern.....	51
5. Playback.....	53
5.1 Flow Chart.....	53
5.2 Store Video on Device.....	53
5.3 Store Video on Storage Server.....	55
5.3.1 Activate Storage Server.....	55
5.3.2 Initialize Recorder Server.....	55
5.3.3 Add Storage Server to Client.....	56
5.3.4 Configure Storage Settings.....	57
5.4 Playback Toolbar.....	58
5.5 Normal Playback.....	60
5.6 Event Playback.....	61
5.7 Smart Playback.....	61
5.8 Image Playback.....	62
6. Event Alarm.....	64
6.1 Device Event Alarm Configuration.....	64
6.1.1 Activate the Event Server.....	64
6.1.2 Add Event Server.....	65
6.1.3 Assign Event Server for Devices.....	66
6.1.4 Event Notification Configuration.....	66
6.2 Alarm Center.....	67
6.2.1 Event Notification Quick Bar Introduction.....	67
6.2.2 Check Real-time Event.....	68
6.2.3 Search Event.....	69
7. User Management.....	70
7.1 Modify Password.....	70
7.2 Create Account and Authority Control.....	71
8. System Configuration.....	72
8.1 Set Basic Parameters.....	72
8.2 Set File Parameters.....	72
8.3 Set Playback Source.....	73
8.4 Set Video Parameters.....	73
8.5 Set Alarm Audio Parameters.....	74
8.6 Set Email Parameters.....	74
9. Log Search.....	75

10. E-Map.....	76
10.1 Add E-Map.....	76
10.2 Hot Area.....	77
10.2.1 Add Hot Area.....	78
10.2.2 Preview Hot Area.....	78
Legal Information.....	80
About This Manual.....	80
Trademarks.....	80
Disclaimer.....	80
FCC Information.....	81
FCC Compliance.....	81
FCC Conditions.....	81
Safety Instructions.....	82
Preventive and Safety Guidelines.....	82

1. Overview

1.1. Introduction

This user manual is intended for VMS software and serves as a guide. The photos, graphics, charts, and illustrations provided in this manual are for explanatory purposes only and may differ from the actual product. Please refer to the actual product.

This manual may contain inaccuracies, incompatibilities with certain product features or operations, or printing errors. The content of this manual will be updated according to product upgrades and verification. Descriptions will be improved and updated accordingly. Updated content may not be notified in this manual.

1.2. Key Function

VMS is a PC client software designed for professional security monitoring. It is suitable for a wide range of scenarios, such as retail stores, parking lots, office buildings, etc. You can use VMS to manage LegendNX devices, including cameras, DVRs, and NVRs. It provides various features, including real-time live view, video playback, video search and playback, event and alarm reception, and more.

Table 1-1 Key Function

Model		VMS
Database	Client Database	SQLite
Supported Languages		English, Finnish, French, German, Greek, Indonesian, Italian, Japanese, Korean, Polish, Portuguese, Romanian, Russian, Serbian, Simplified Chinese, Spanish, Thai, Traditional Chinese, Turkish, Ukrainian
General	User	Unlimited, no more than 256 recommended
	E-map	Unlimited, no more than 256 recommended
	Encoding Device	Unlimited, no more than 1000 recommended
	Group	Unlimited, no more than 256 recommended
	Monitor Plan	Unlimited, no more than 256 recommended
Video	Live View	128-channel live view on one screen at a time
	Auxiliary Screen Preview	One main screen and 3 auxiliary screens for live view
	Playback	9-channel playback at a time

	Synchronous Playback	9-channel synchronous playback
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1.3. System Requirements

Your computer should meet the following requirements to operate and use the product.

Table 1-2 System Requirements

Items	Recommended Specifications
Operating system	Microsoft Windows 7 (64-bit, Professional or Enterprise) Microsoft Windows 8.1 (64-bit, Professional or Enterprise) Microsoft Windows 10 (64-bit, Professional or Enterprise) Microsoft Windows 11 (64-bit, Professional or Enterprise)
CPU	Intel Pentium 4 3.0 @ 3.0 GHz
Memory	2 GB
Display adapter	Video memory of 256 MB or higher
Free disk space	Minimum 3 GB for single-site systems
NIC	Fast Ethernet port
Display resolution	1024 × 768

Note

Previewing more channels or higher-resolution video streams simultaneously requires higher hardware performance.

2. Installation and Uninstallation of VMS Software

The VMS server system includes the VMS Server, Recorder Server, and Event Server.

2.1 Installation

Follow the setup wizard to complete the installation of the VMS software.

Steps

1. Double-click **LEGEND NX VMS_Setup-xxxx.exe**, then follow the on-screen instructions to install the software.
2. Select the destination installation folder, then click **Next**.

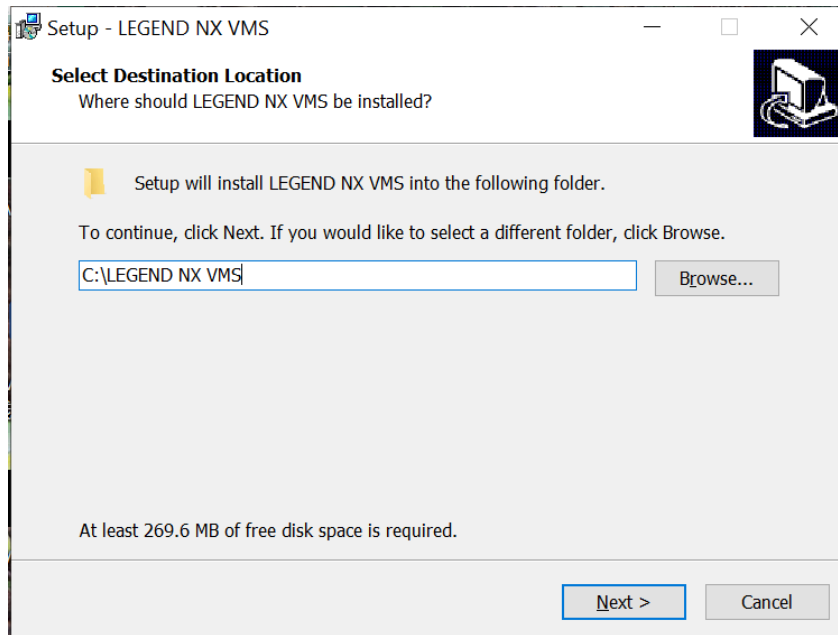


Figure 2-1 Select Destination Location

3. Install the VMS software.

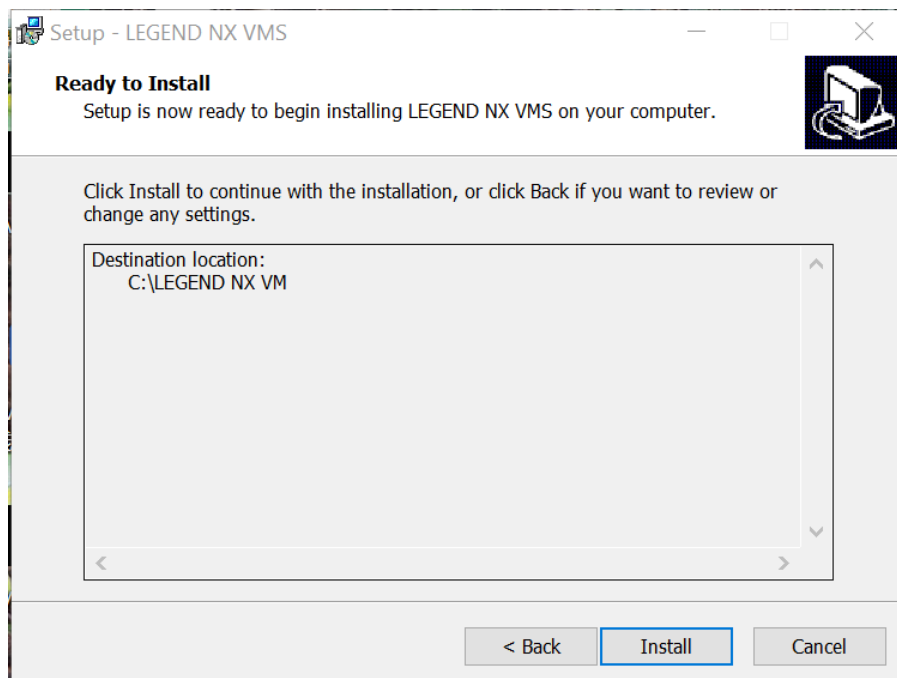


Figure 2-2 Install VMS

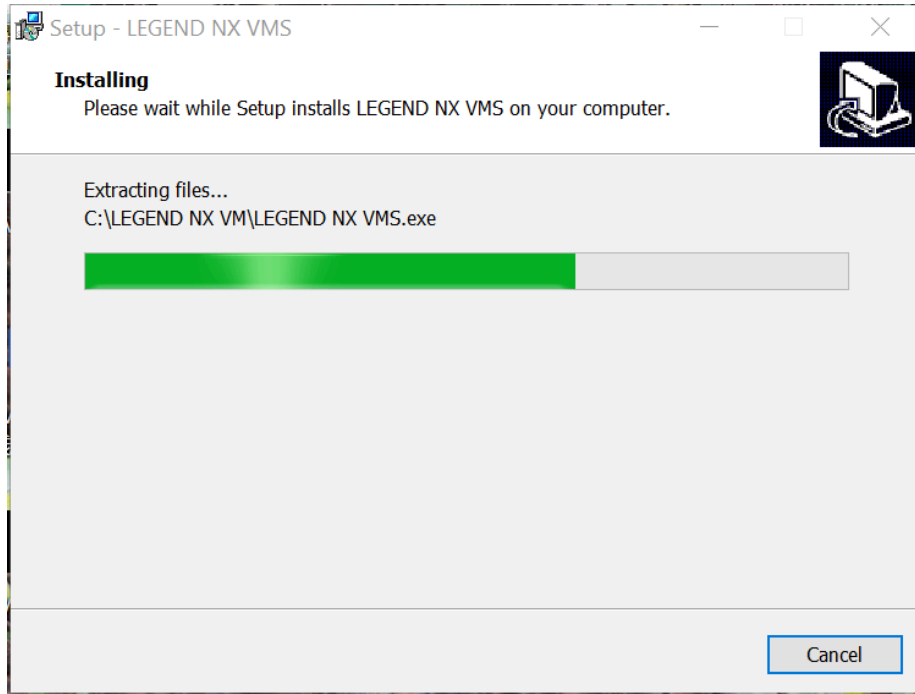


Figure 2-3 Installing

4. Click **Finish** to complete the VMS setup.

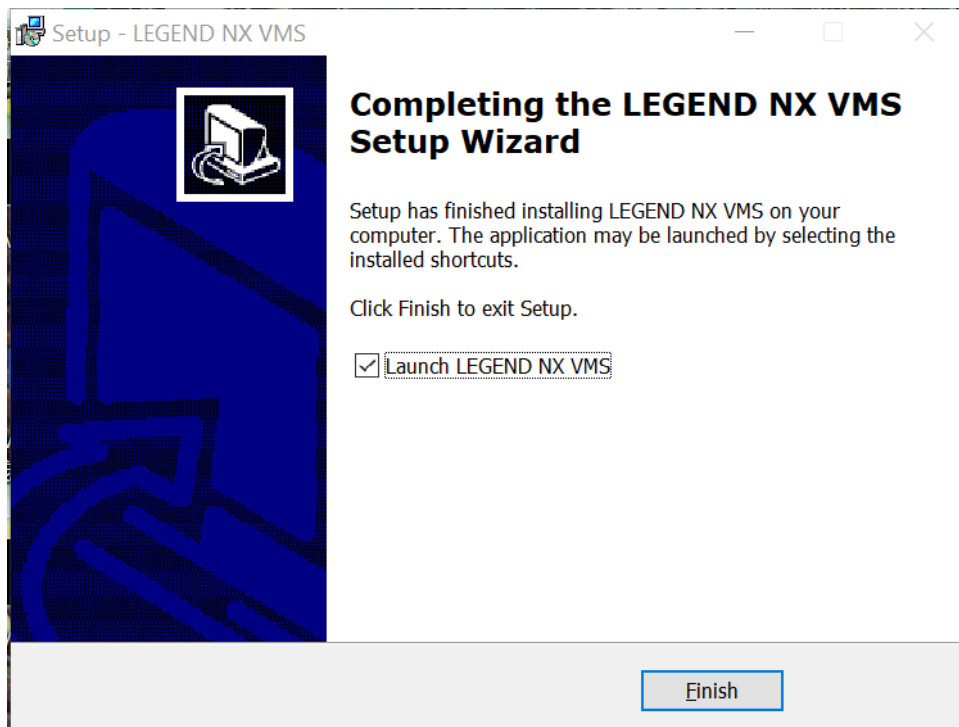


Figure 2-4 Finish

5. After installation, you will see these three icons: **VMS Client**, **VMS Player**, **VMS Server**.

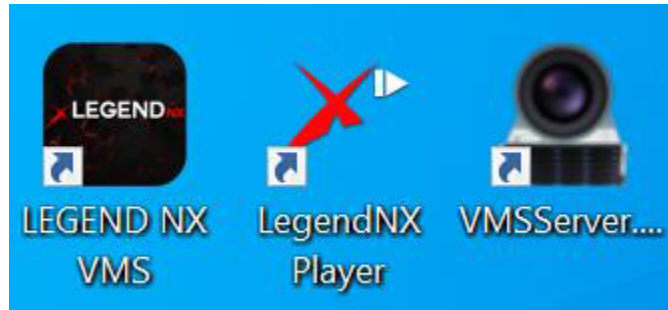
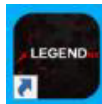



Figure 2-5 Icons



2.2 Login

You need to log in to the VMS to operate the software. Follow the steps below to log in.

Steps



1. Double-click the icon  on the PC desktop.
2. Enter the **username** and **password**.

-  **Username:** The default username is “**admin**”.
-  **Password:** The default password is “**admin**”.

Note

For security reasons, it is strongly recommended to change your password after the first login.

Save: Saves the username and password. Enabled by default.

Auto Login: Automatically logs in the next time.

Language: Supports English.

3. Click **Login**.

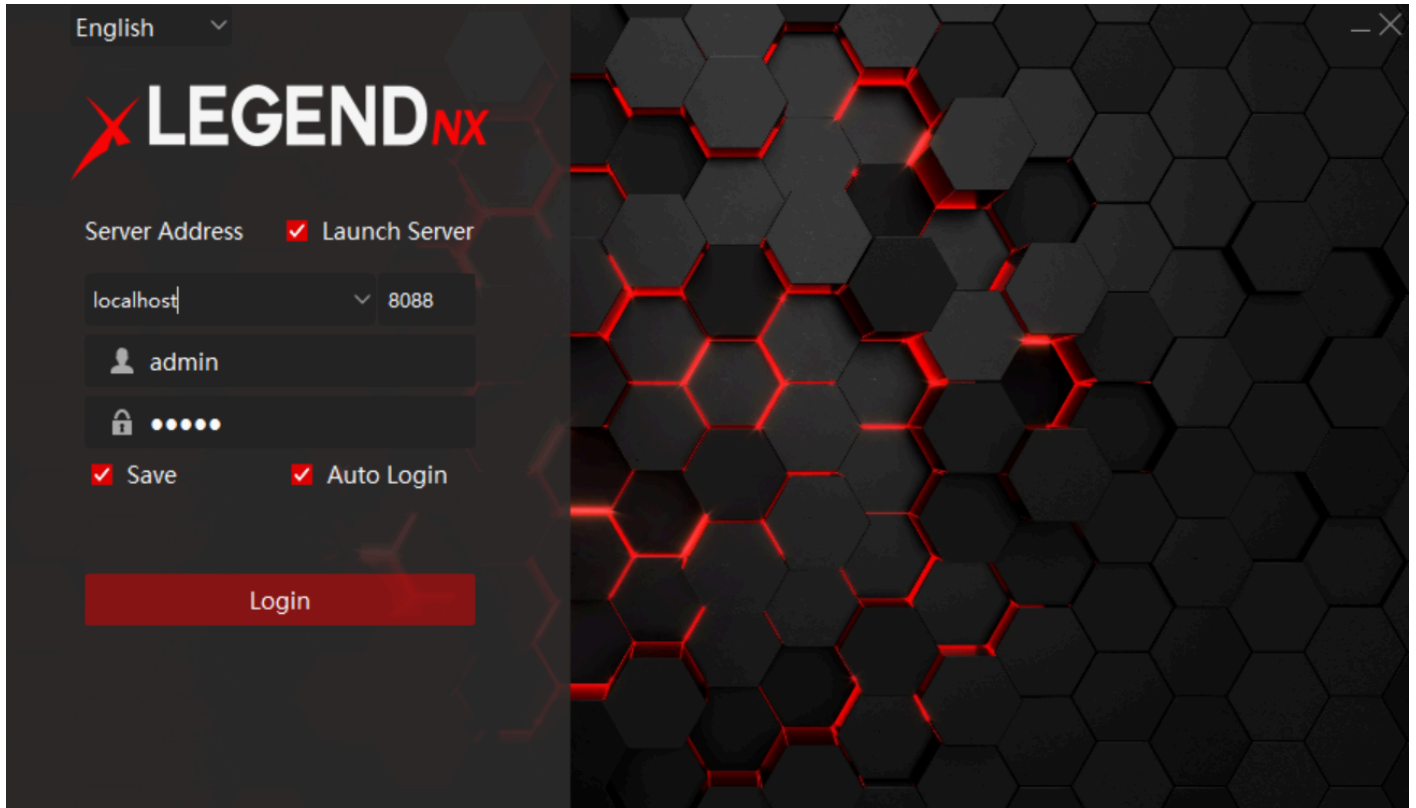




Figure 2-6 Login

2.3 Uninstall

Follow the steps below to uninstall the VMS.

Steps

1. Right-click the icon  and open the file location.
2. Locate  `unins000.exe` double-click it, and follow the instructions to uninstall the software.

2.4 Advanced Deployment Mode

Distributed deployment of the VMS Server, Recorder Server, and Event Server across different computers is supported, as shown in the following figure.

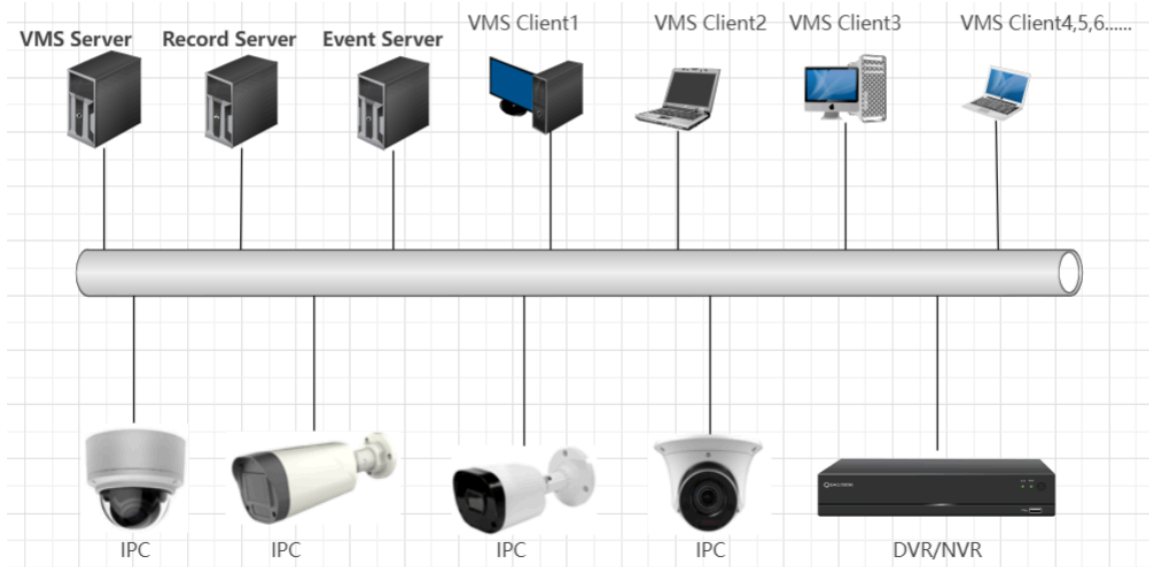


Figure 2-7 Advanced Deployment Mode

Perform the following steps to deploy the VMS Server, Recorder Server, and Event Server on different computers.

Steps

1. Open the **VMS Server** from the taskbar.
2. Go to **System**, then click **Export** to save the security certificate file.

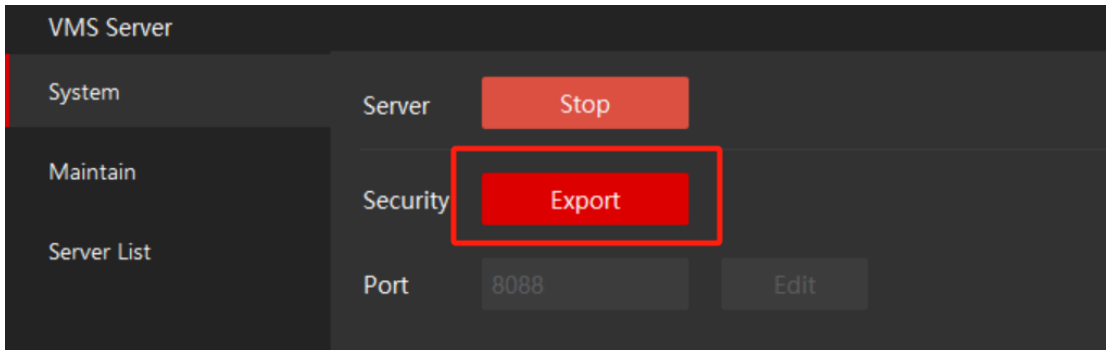


Figure 2-8 Export

3. Copy the **security certificate file** to the computers where the Recorder Server and Event Server are deployed.
4. Open the **Event Server** from the taskbar.
5. Go to **System**, then click **Import** to import the security certificate file.
6. After a successful import, the bound server address will match the VMS Server IP address, indicating that the binding was successful.

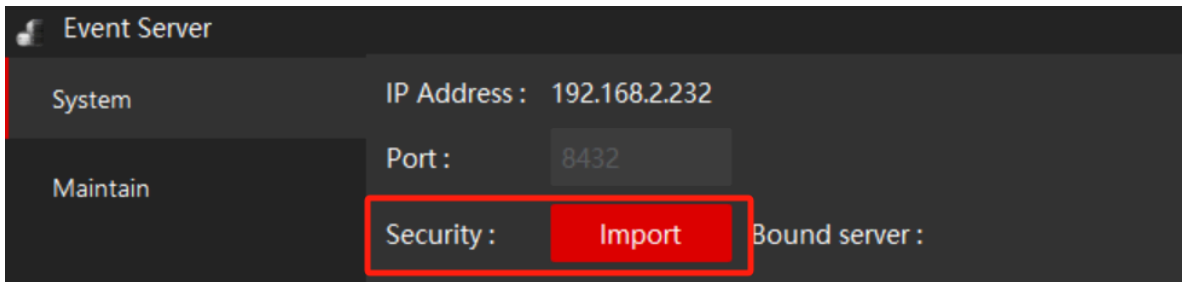


Figure 2-9 Import Event Server

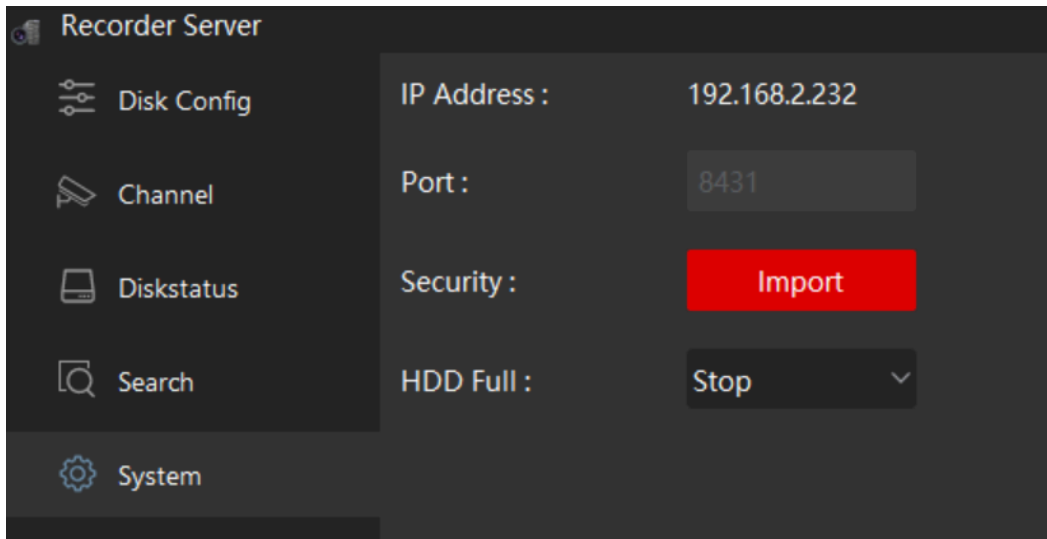


Figure 2-10 Import Record Server

After importing, the Event Server and Recorder Server will bind to the VMS Server.
After binding, users can log in to the VMS client and access the different IP Event/Recorder Servers.

7. Log in to the VMS Client.
 - (1) Double-click the VMS Client icon.
 - (2) Enter the VMS Server IP address and disable **Launch Server**. Enter the username and password, then click **Login**.

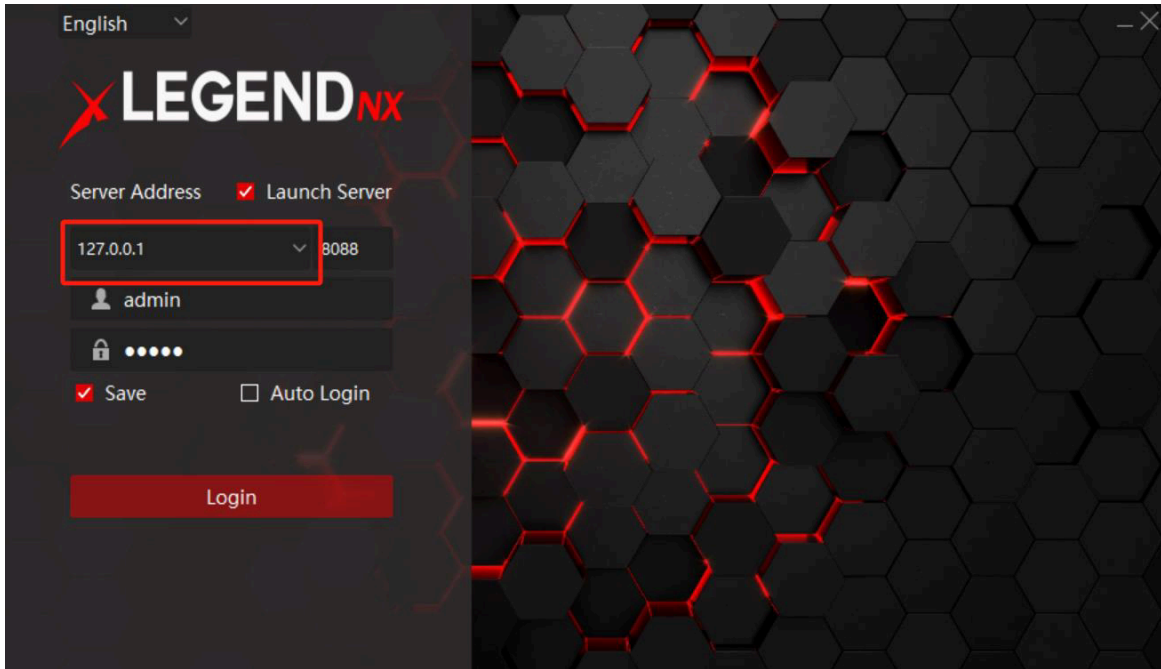


Figure 2-11 VMS Server Not in Localhost

8. **Optional:** Check the VMS online user list.
 - (1) Open the VMS Server from the taskbar.
 - (2) Go to **Maintain** → **Client List** to view the online user list.

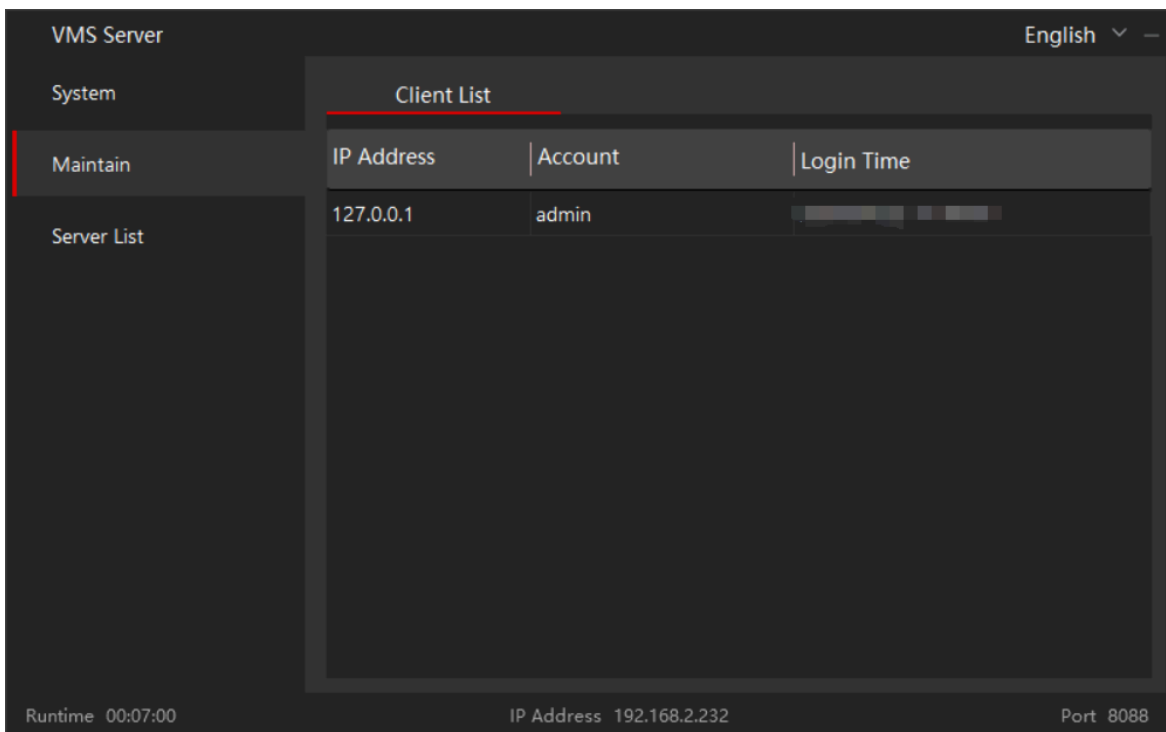


Figure 2-12 Client List

3. Device Management

The client supports various types of devices, including network cameras, DVRs (Digital Video Recorders), and NVRs (Network Video Recorders).

3.1 Add Device

The client supports adding Local Private/ONVIF protocol IPC, NVR, and DVR devices (added by IP address). It also supports adding devices connected to the P2P server (added by Cloud ID/Account).

Click **Device Management** on the right side of the Control Panel.

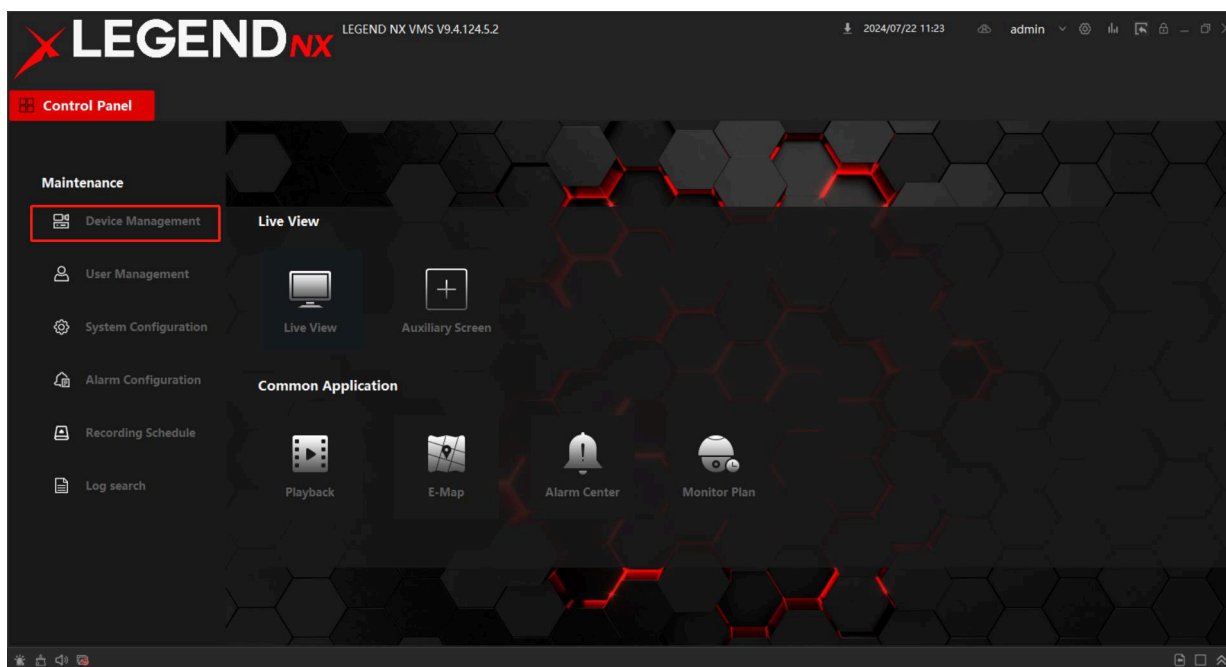


Figure 3-1 Control Panel

3.1.1 Add Single or Multiple Online Devices

The client can detect online devices on the same network as the PC running the client. You can select detected devices from the online device list and add them to the client. If multiple devices share the same username and password, they can be added in batches.

Before You Start

- The device(s) to be added are on the same network as the PC running the client.
- The device(s) to be added have been activated.

Steps

1. Go to **Maintenance** → **Device Management** → **Device**, and select a protocol (LGNXAB or ONVIF).
2. Click **Search**. The detected online devices will be displayed in the list.

Search + Add <input checked="" type="checkbox"/> LGNXAB <input type="checkbox"/> onvif Total (6/6) Filter									
<input type="checkbox"/>	Address	Port	Type	Model	CloudID	MAC Address	Add Status	Operation	Version
<input type="checkbox"/>	192.168.1.102	34567	NVR				Not Added		
<input type="checkbox"/>	192.168.1.232	34567	NVR				Not Added		
<input type="checkbox"/>	192.168.1.28	34567	IPCamera				Not Added		
<input type="checkbox"/>	192.168.1.144	34567	IPCamera				Not Added		
<input type="checkbox"/>	192.168.1.10	34567	IPCamera				Not Added		
<input type="checkbox"/>	192.168.1.226	34567	IPCamera				Not Added		

Figure 3-2 Online Device

3. In the Online Device section, select one or more devices, then click **Add** to open the device adding window.

Device Add ✕

Type:

Device Name:

Address:

Port:

User Name:

Password:

Device Protocol:

Stream Protocol:

Add To Group:

Port Mapping:

Figure 3-3 Device Adding

4. Enter the device **Username** and **Password**. You can enable **Add to Group** (to create a new group for the device) or disable **Add to Group** (the device will be added to the default group), then click **Add**.
5. After adding, the device will appear in the Device Added list and show as online, indicating that the device has been successfully added.

3.1.2 Add Device by IP Address or Domain Name

If you know the IP address or domain name of the device, you can add it to the client by entering the IP address (or domain name), username, password, and other required information.

Steps

1. Go to **Maintenance** → **Device Management** → **Device**.
2. Click **Add** to open the Manual Addition window.

Figure 3-4 Manual Addition

3. Select **IP/Domain** mode.
4. Enter the required information.

Type: Select IPC, NVR, or DVR.

Device Name: Enter a descriptive name for the device.

Port: Device connection port. The default port for LGNXAB is 34567, and for ONVIF it is 80.

User Name: Enter the device username. By default, the username is **admin**.

Password: Enter the device password.

Warning

A strong password is recommended. We strongly recommend creating a password of your own choosing (8–16 characters, including at least two of the following categories: uppercase letters, lowercase letters, numbers, and special characters) to enhance security. It is also recommended to change your password regularly. In high-security environments, changing the password monthly or weekly provides better protection.

Add to Group: When enabled, a new group will be created for the device. If disabled, the device will be added to the default group.

5. Click **Add**.

6. After the device is successfully added, it will appear in the Device Added list with the status shown as Online.

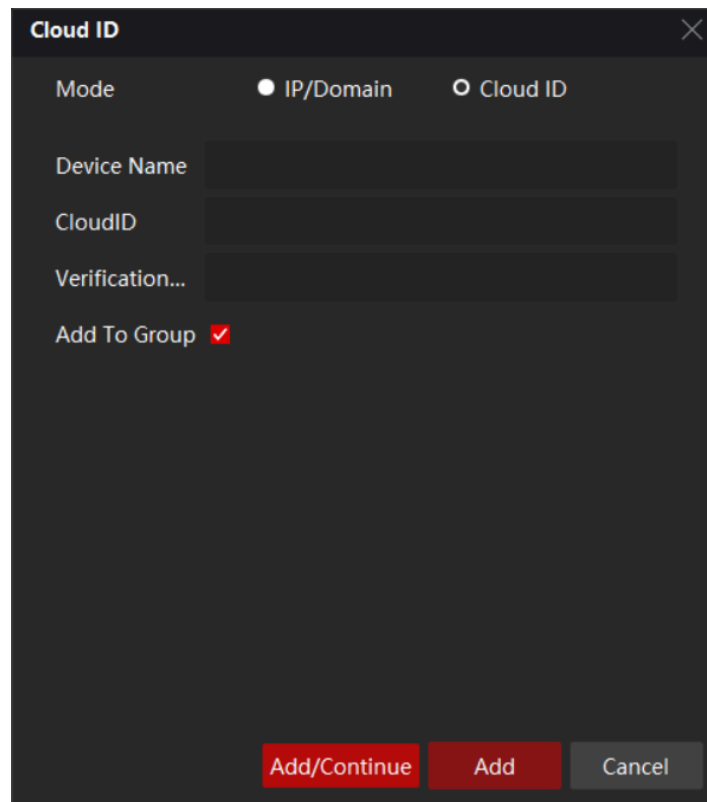
3.1.3 Add Device by Cloud ID

Before You Start

Make sure you have registered and logged in to a cloud service account.

Steps

1. Go to **Maintenance** → **Device Management** → **Device**.
2. Click **Add** to open the Manual Addition window.
3. Select **Cloud ID** mode.



The screenshot shows a dark-themed dialog box titled "Cloud ID" with a close button (X) in the top right corner. At the top, there is a "Mode" section with two radio buttons: "IP/Domain" (selected) and "Cloud ID". Below this are three input fields: "Device Name", "CloudID", and "Verification...". At the bottom left, there is a checkbox labeled "Add To Group" which is checked with a red checkmark. At the bottom right, there are three buttons: "Add/Continue" (highlighted in red), "Add" (highlighted in red), and "Cancel" (greyed out).

Figure 3-5 Cloud ID

4. Enter the required information. Refer to **3.1.2 Add Device by IP Address or Domain Name** for details.

Note

You can obtain the Cloud ID from the device Web/Local GUI on the P2P information page.

5. After the device is successfully added, it will appear in the Device Added list with the status shown as Online.

3.1.4 Add Device by Logging in to a Cloud Account

This method is suitable for adding devices in batches via a cloud account.

Note

Your cloud account is the account registered on the App or the Cloud website. After logging in to the cloud account, the device list will be the same as on the App and the Cloud website. You can select the devices to be added to the VMS as needed.

If devices are added via a cloud account, you must enable the cloud account each time you log in to the VMS. Otherwise, the status of these devices will appear as offline.

Steps

1. Click the cloud icon  in the top status bar of the software to open the Cloud Account page.

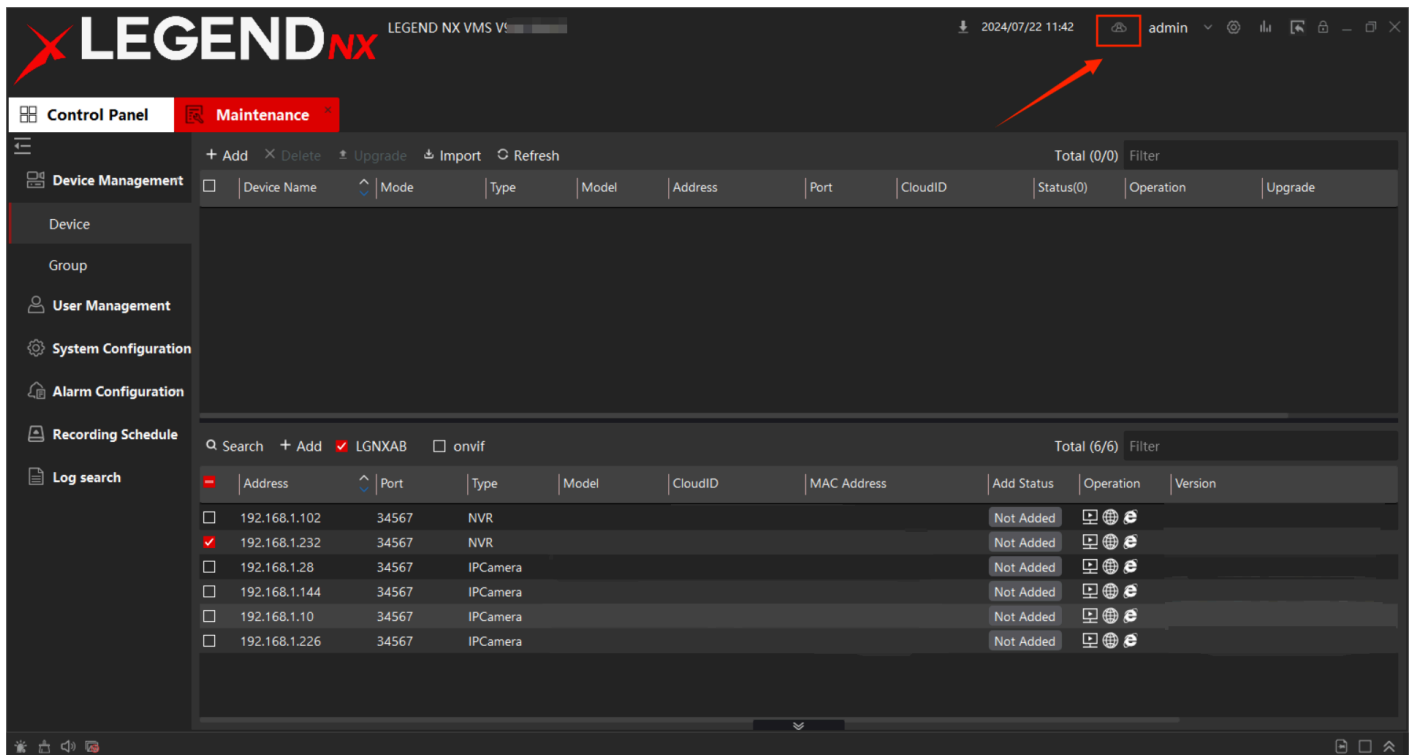


Figure 3-6 Cloud Account

2. Click **Add** in the pop-up window, then enter the **Username** and **Password** of the cloud account. After a successful login, the cloud account will be shown as enabled.

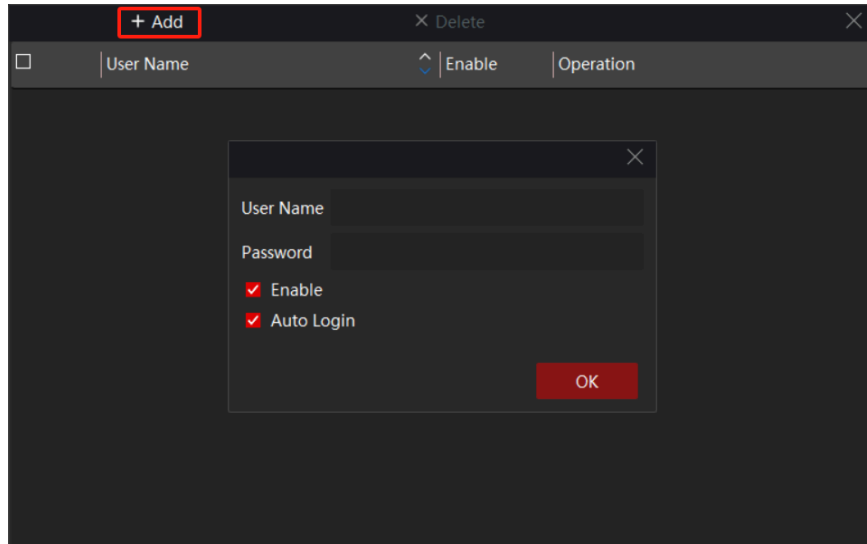



Figure 3-7 Add

Note

You need to enable your cloud account each time you log in to the VMS Client. After enabling, the latest cloud account information will be synchronized from the server.

3. Click the list icon  to display the device list for the cloud account. This may take a few seconds as the client downloads the device list from the cloud.

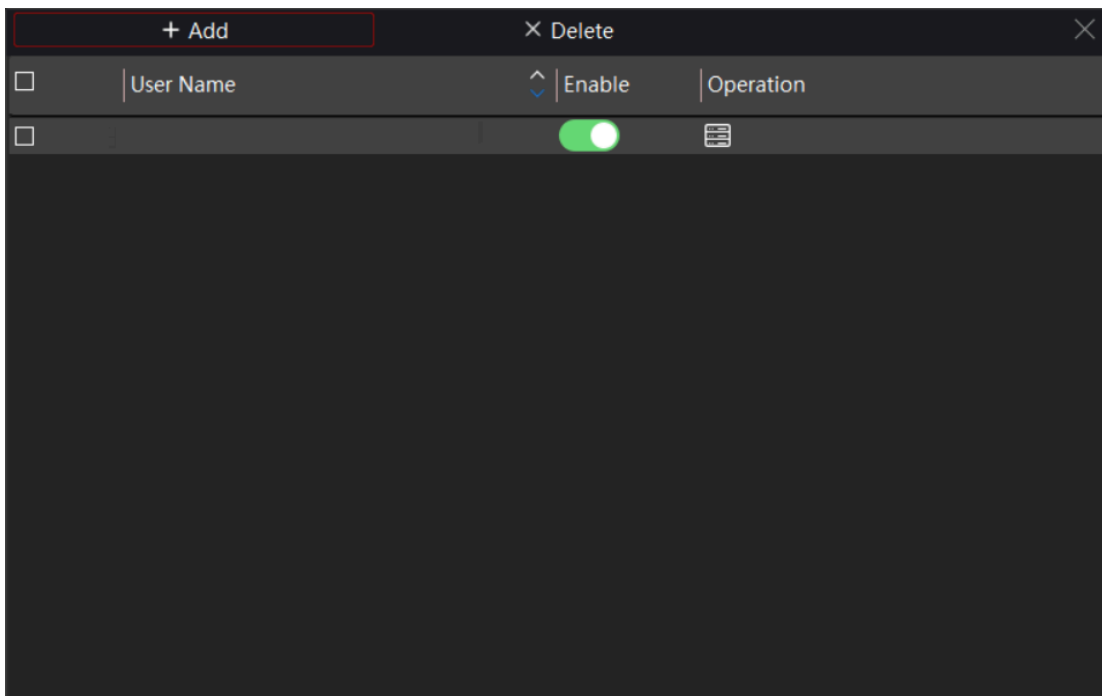


Figure 3-8 Cloud Account device list

4. After retrieving the device list, select the desired devices and click **Add** to add them to the client.

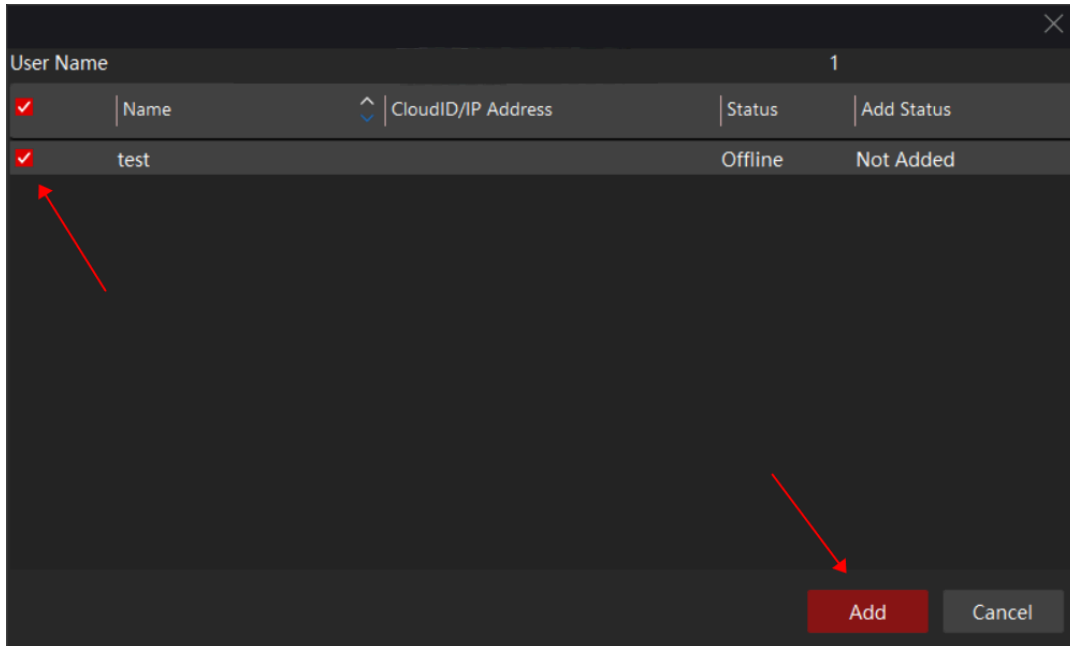


Figure 3-9 Add

- After the devices are added, they will appear in the list. The **Device Name** corresponds to the account name, and the **Model** is Cloud ID.

The screenshot shows a table with the following columns: Device Name, Mode, Type, Model, Address, Port, CloudID, Status(3), Operation, and Upgrade. The table contains five rows of data. The last row, representing the 'test' device, is highlighted with a red border. The 'test' device has a status of 'Online'.

Device Name	Mode	Type	Model	Address	Port	CloudID	Status(3)	Operation	Upgrade
192.168.1.232	IP/Domain	NVR		192.168.1.232	34567		Offline	[Icons]	N/A
192.168.1.10	IP/Domain	IPC		192.168.1.10	34567		Online	[Icons]	N/A
192.168.1.144	IP/Domain	IPC		192.168.1.144	34567		Online	[Icons]	N/A
192.168.1.226	IP/Domain	IPC		192.168.1.226	34567		Offline	[Icons]	N/A
test	Cloud ID	NVR	N/A	N/A	N/A		Online	[Icons]	N/A

Figure 3-10 After Added

3.2 Manage Added Devices

After adding devices to the device list, you can manage them, including editing device parameters, performing remote configuration, and viewing device status.










The screenshot shows the 'Maintenance' control panel with a sidebar on the left containing 'Device Management', 'User Management', 'System Configuration', and 'Alarm Configuration'. The main area displays a table with the following columns: Device Name, Mode, Type, Model, Address, Port, CloudID, Status(2), Operation, and Upgrade. The table contains three rows of data. The last row, representing the 'test' device, is highlighted with a red border. The 'test' device has a status of 'Online'. The text 'Device List' is written in red at the bottom of the table area.

Device Name	Mode	Type	Model	Address	Port	CloudID	Status(2)	Operation	Upgrade
192.168.1.232	IP/Domain	NVR		192.168.1.232	34567	tdks6w8cdsej	Offline	[Icons]	N/A
192.168.1.10	IP/Domain	IPC		192.168.1.10	34567	tdks7wpat9qr	Online	[Icons]	N/A
192.168.1.144	IP/Domain	IPC		192.168.1.144	34567	tdksbiaqkuf0	Online	[Icons]	N/A

Device List

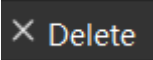

Figure 3-11 Device List

Table 3-1 Manage Added Devices Icon

Icon	Description
	Refresh the device status.
	Preview the video channel.
	Edit device information: name/address/port/username/password.
	View and modify the device configuration.
	Upgrade device firmware.
	Delete the selected devices.
	Includes three options: Modify IP / Web Browser / Status.
	Change the device IP address.
	Access the device via a web browser.

3.2.1 Delete Device

Steps

1. Select the device(s) you want to delete from the device list.
 - Click  **Delete**.
 - Or click the  in the device list.
2. A confirmation window will appear. Click **OK**. The device will be removed from the device list.

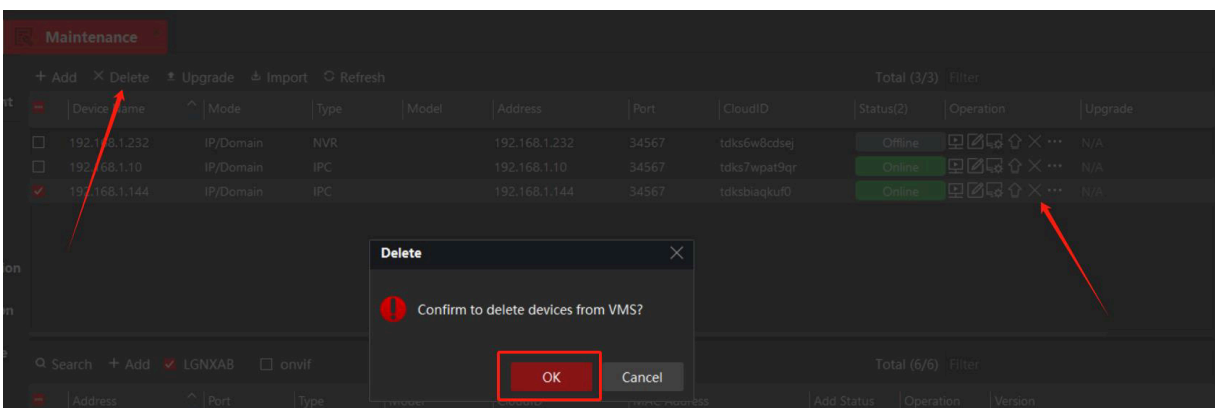
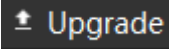



Figure 3-12 Delete Device

3.2.2 Upgrade Device Firmware

When a new firmware version is available for a device, you can upgrade the firmware through the client.

Steps

1. Select the device(s) you want to upgrade from the device list.
 - Click .
 - Or click the **Upgrade icon**  in the device list under Operation.
2. A **System Upgrade** window will pop up, supporting both local upgrade and cloud upgrade.

Note

Only IP devices and online devices support firmware upgrades.

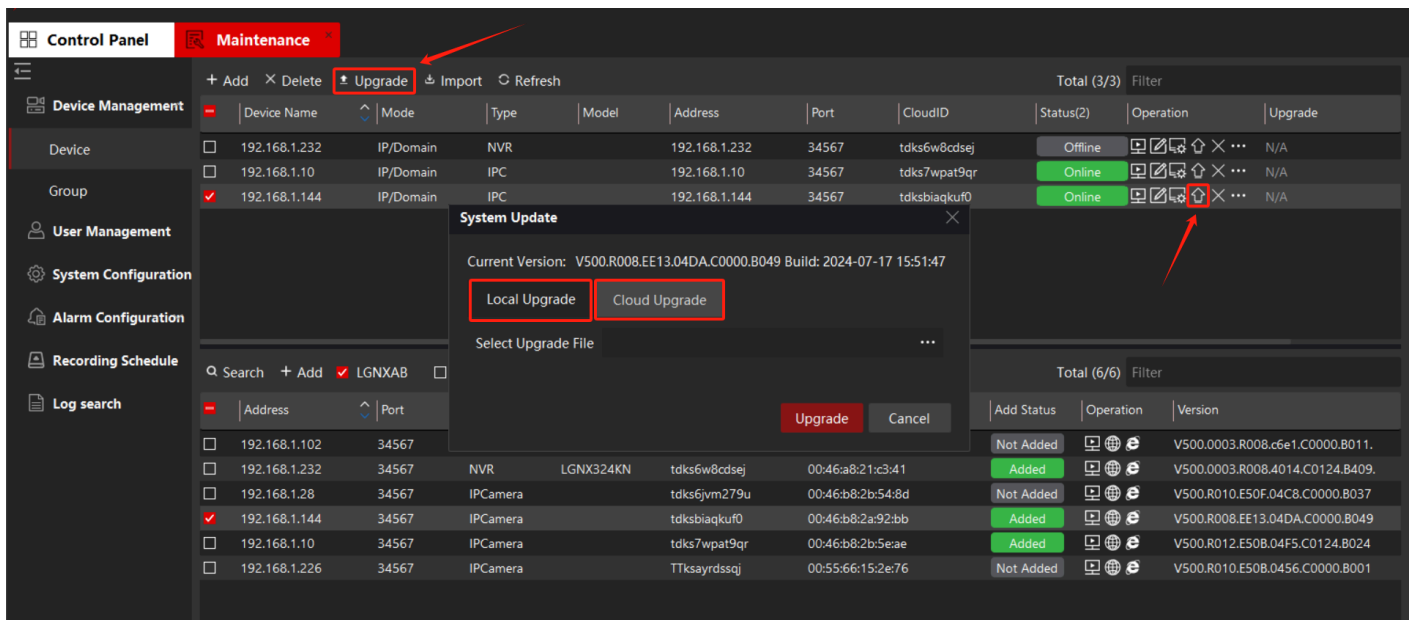



Figure 3-13 Upgrade Device Firmware

Local Upgrade:

1. Select **Local Upgrade**.
2. Click the browse button  to select the firmware file to upgrade. The upgrade file must have a *.upf* extension.
3. Click **Upgrade** to start the upgrade.

During the upgrade, the progress is displayed in the **Upgrade** column of the device list. After completion, the result will be shown as **Upgrade Success** or **Error**.

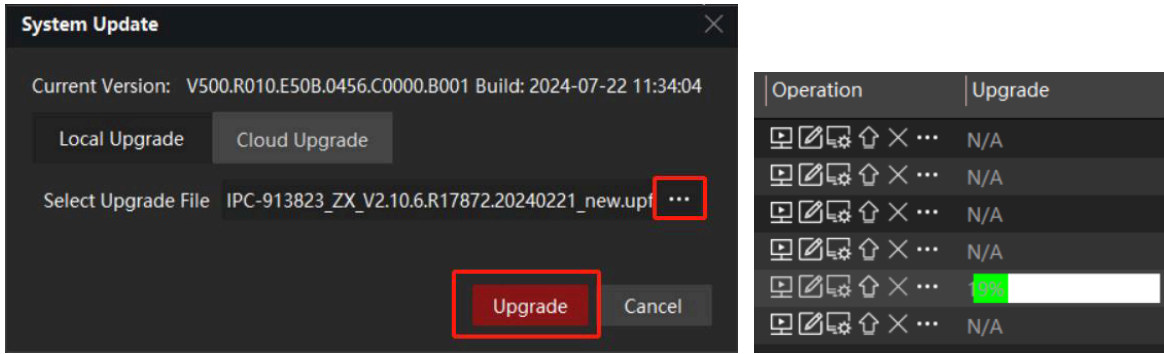


Figure 3-14 Local Upgrade

Cloud Upgrade:

1. Select **Cloud Upgrade**.
2. Click **Refresh** to check whether a new firmware version is available from the cloud.
3. If a new version is available, the cloud version will be displayed. Click **Upgrade** to proceed.

During the upgrade, the progress is displayed in the **Upgrade** column of the device list. After completion, the result will be shown as **Upgrade Success** or **Error**.

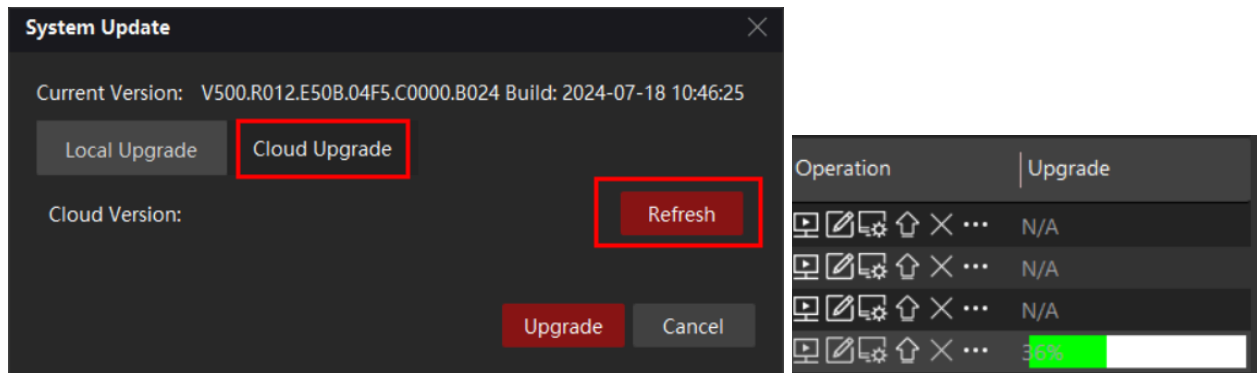


Figure 3-15 Cloud Upgrade

3.2.3 Refresh Device List Information

Perform this task to refresh and obtain the latest device information.

Steps


1. Click **Refresh**. The added device status and searched online device status will be refreshed.

Figure 3-16 Refresh

3.2.4 Check Device Live Video

Perform this task to quickly check the device live video in the device list.

Steps

1. Perform one of the following operations to check the device live video.
 - If the device has already been added and is online, click the **Preview icon** . The live video will be displayed directly as shown in the following figures. Switching between **Mainstream/Substream** is supported.

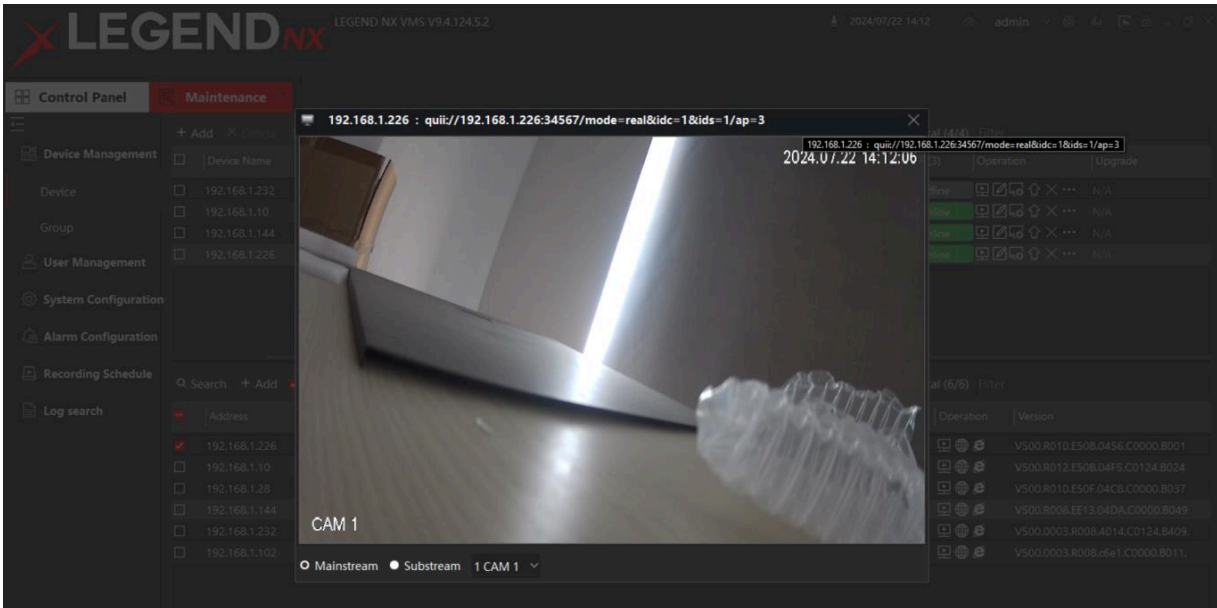


Figure 3-17 Live Video

- If the device has not been added before, a prompt will be displayed as shown below. Enter the correct **username** and **password** to log in to the device. The live video will be displayed after a few seconds.

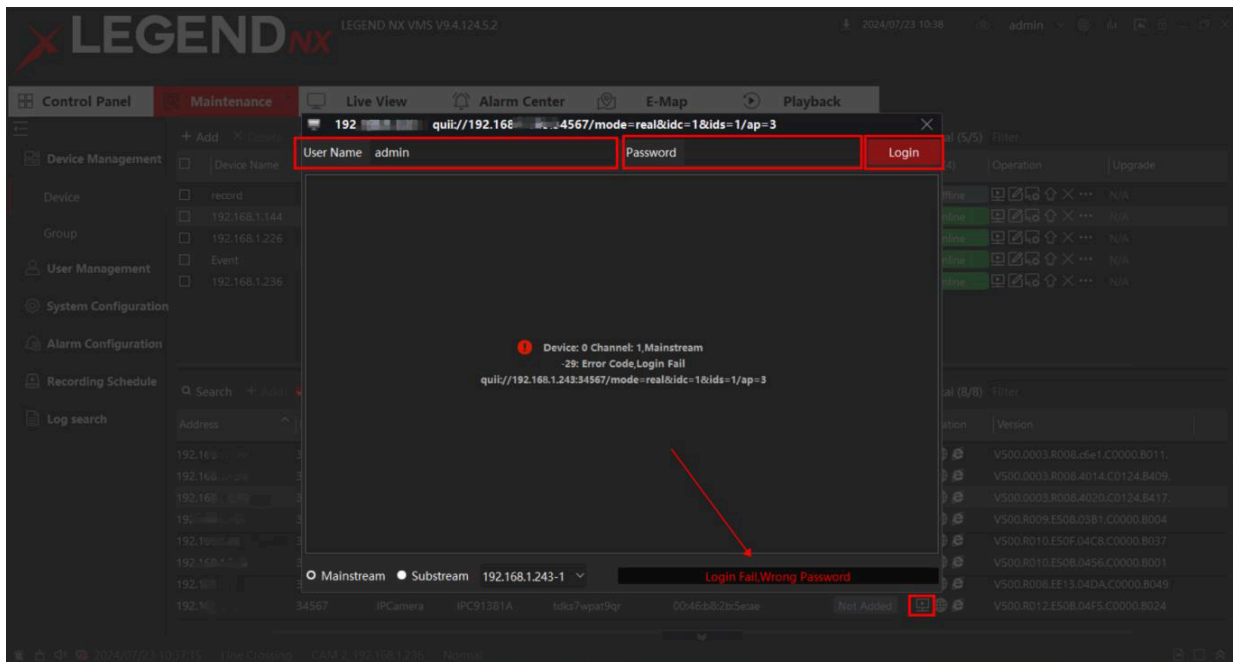


Figure 3-18 Live Video Failed

2. **Optional:** For NVR or DVR devices, selecting the channel you want to view is supported.

Note


Only online devices are supported.

3.2.5 Edit Added Device

This function is typically used after a device's password, port, or other parameters have been changed, allowing you to update the information in the VMS.

Perform this task if you want to edit a device.

Steps

1. Click the **Edit icon**  in the **Operation** column of the added device list.
2. The **Device Edit** window will pop up. You can edit the **Device Name**, **Address**, **Port**, **User Name**, and **Password**.

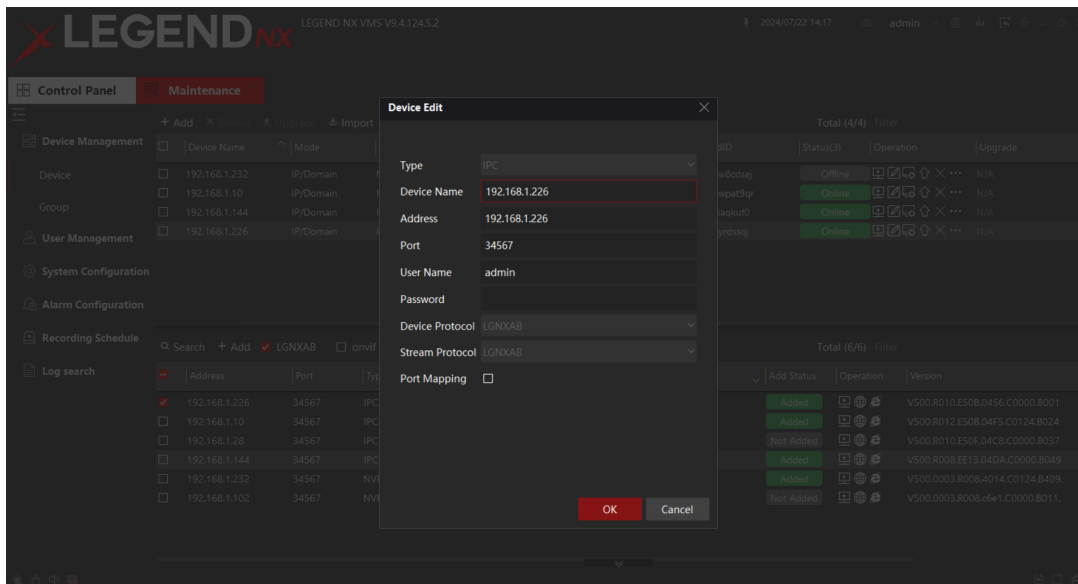




Figure 3-19 Edit Added Device

3.2.6 Modify Device Network Parameters

Perform this task if you want to modify the device network parameters.

Steps

1. Perform one of the following operations to modify the device network parameters.
 - Click the **More options icon**  in the added device list under **Operation**, then click **Modify IP**.
 - Or click the **Modify IP icon**  in the searched device list under **Operation**.

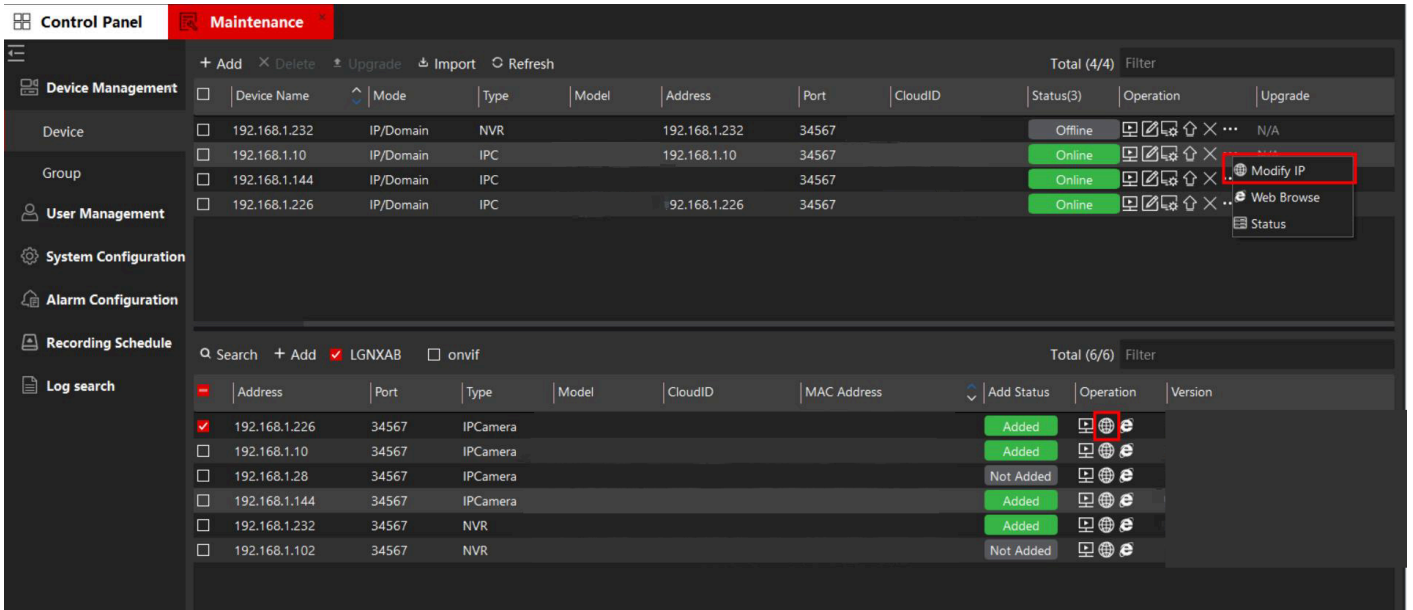


Figure 3-20 Modify IP

2. A pop-up window will appear. You can edit the device **IP address**, **Subnet Mask**, **Gateway**, **Primary DNS**, and **Secondary DNS**.
3. Enter the **Admin Password**, then click **OK**. The device network parameters will be updated accordingly.

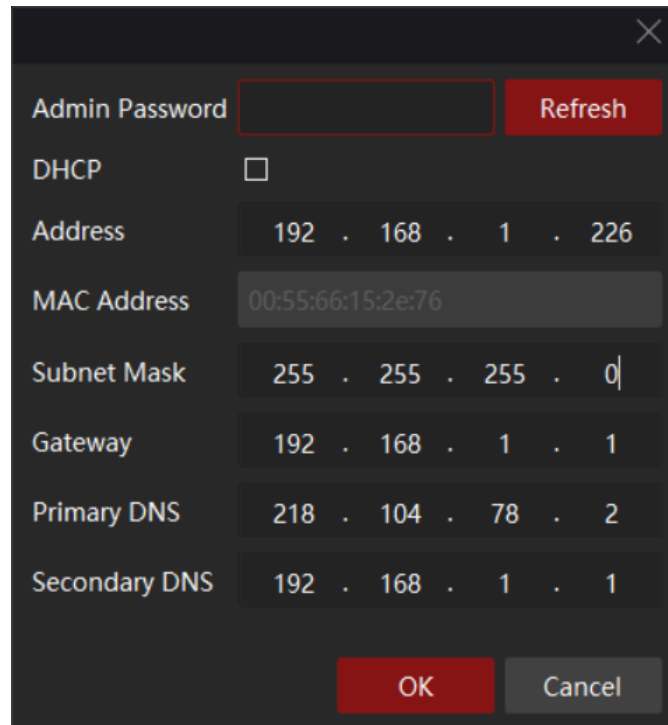



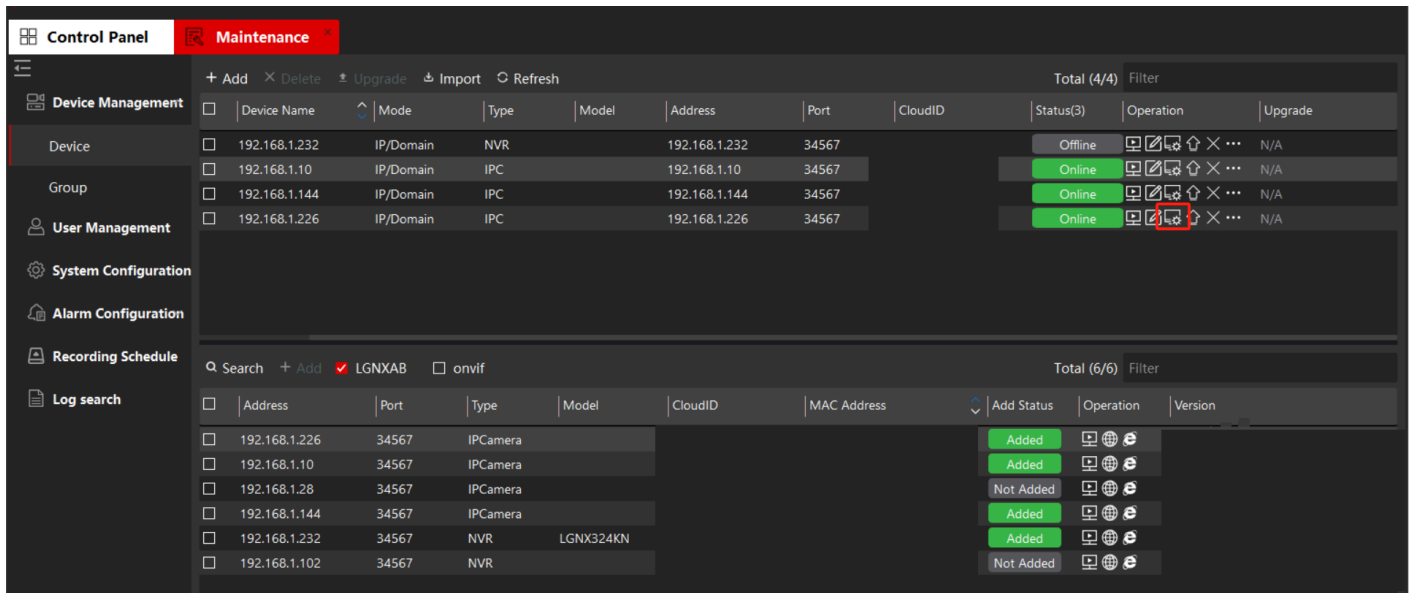
Figure 3-21 Click OK

3.2.7 Access Device Configuration





Perform this task if you want to access the device configuration remotely.

Steps

1. Click the **Configuration icon**  in the added device list under **Operation**. The device configuration window will pop up, allowing you to view and modify the device configuration.



The screenshot shows the 'Control Panel Maintenance' interface. It features a sidebar with navigation options: Device Management, User Management, System Configuration, Alarm Configuration, Recording Schedule, and Log search. The main area displays a table of devices with columns for Device Name, Mode, Type, Model, Address, Port, CloudID, Status(3), Operation, and Upgrade. A red box highlights the 'Configuration' icon in the 'Operation' column for the device at 192.168.1.226. Below the device list, there is a search bar and a table of added devices with columns for Address, Port, Type, Model, CloudID, MAC Address, Add Status, Operation, and Version.

Device Name	Mode	Type	Model	Address	Port	CloudID	Status(3)	Operation	Upgrade
192.168.1.232	IP/Domain	NVR		192.168.1.232	34567		Offline		N/A
192.168.1.110	IP/Domain	IPC		192.168.1.110	34567		Online		N/A
192.168.1.144	IP/Domain	IPC		192.168.1.144	34567		Online		N/A
192.168.1.226	IP/Domain	IPC		192.168.1.226	34567		Online		N/A







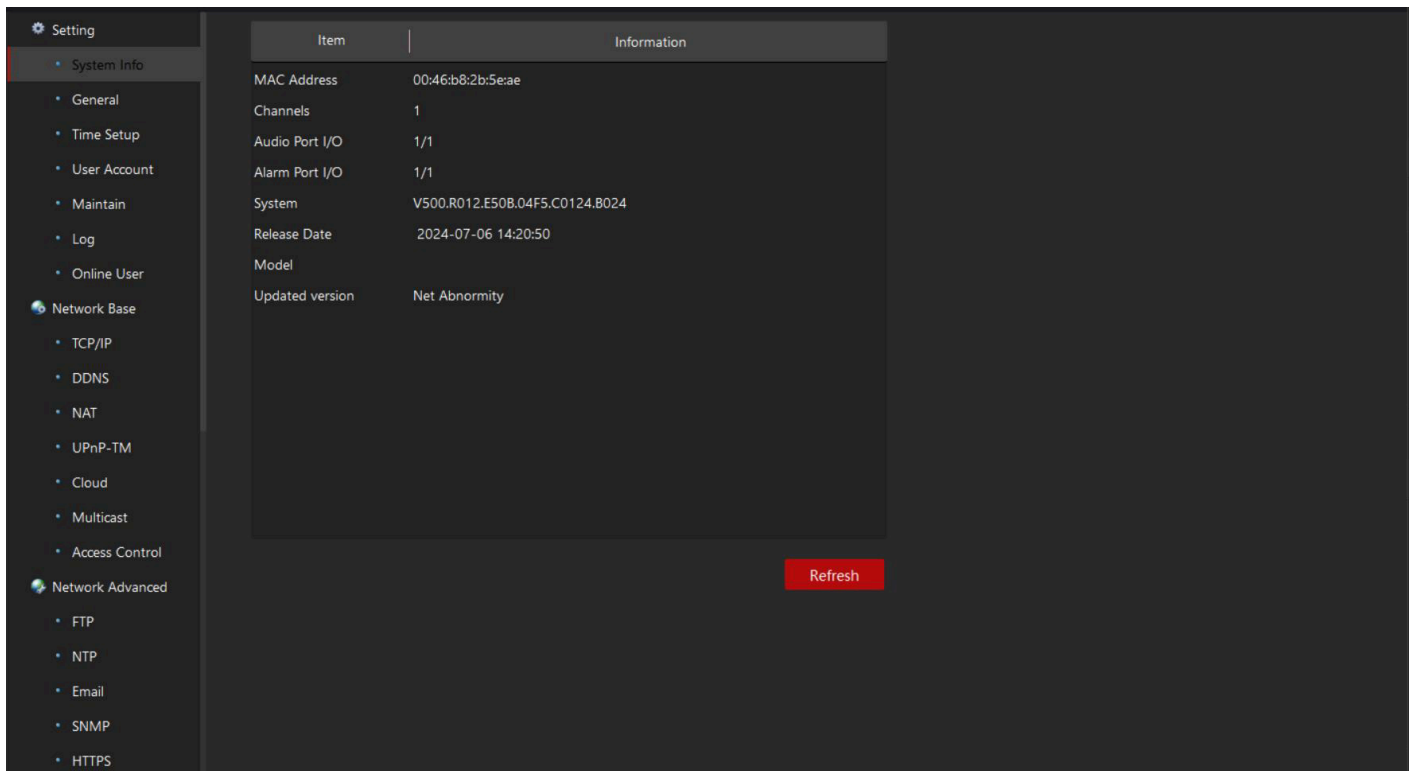
Address	Port	Type	Model	CloudID	MAC Address	Add Status	Operation	Version
192.168.1.226	34567	IPCamera				Added		
192.168.1.110	34567	IPCamera				Added		
192.168.1.28	34567	IPCamera				Not Added		
192.168.1.144	34567	IPCamera				Added		
192.168.1.232	34567	NVR	LGXN324KN			Added		
192.168.1.102	34567	NVR				Not Added		

Figure 3-22 Access Device Configuration



The screenshot shows the 'Network Base' configuration page. The left sidebar lists various settings: System Info, General, Time Setup, User Account, Maintain, Log, Online User, Network Base (TCP/IP, DDNS, NAT, UPnP-TM, Cloud, Multicast, Access Control), and Network Advanced (FTP, NTP, Email, SNMP, HTTPS). The main area displays a table with 'Item' and 'Information' columns. A red 'Refresh' button is located at the bottom right of the table.




Item	Information
MAC Address	00:46:b8:2b:5e:ae
Channels	1
Audio Port I/O	1/1
Alarm Port I/O	1/1
System	V500.R012.E50B.04F5.C0124.B024
Release Date	2024-07-06 14:20:50
Model	
Updated version	Net Abnormity

Figure 3-23 Access Device Configuration

3.2.8 Access Device Web Browser

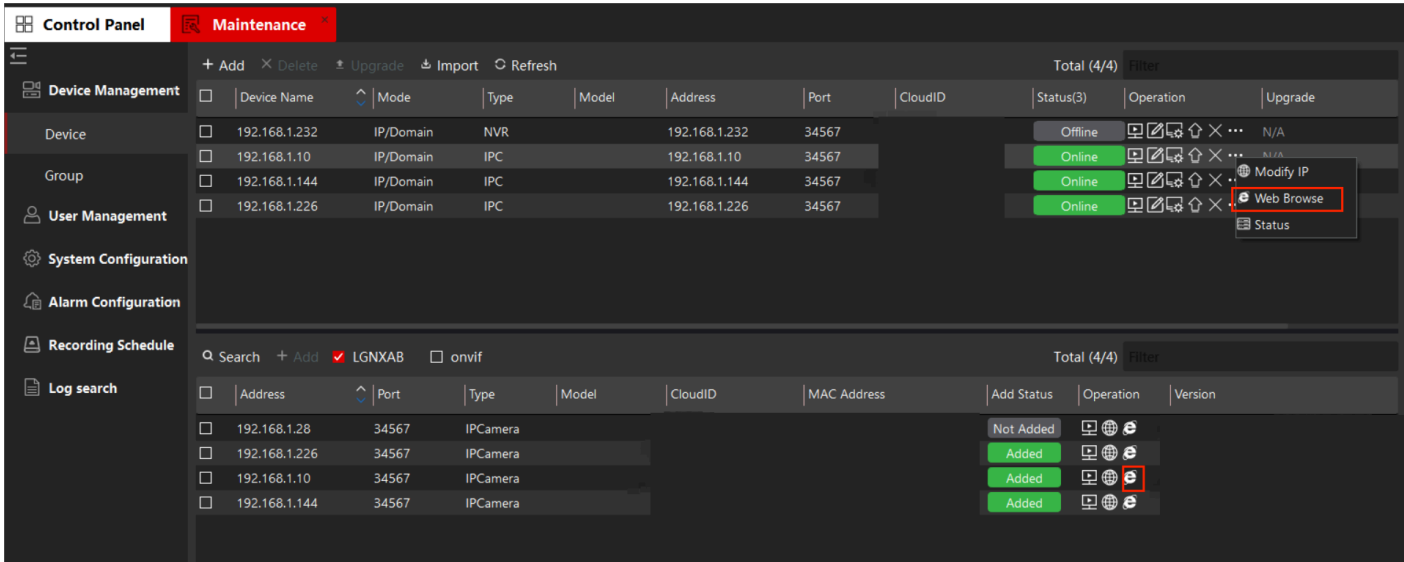
Perform this task if you want to modify the device network parameters.

Steps

1. Perform one of the following operations to modify the device network parameters:
 - Click  in the added device list under **Operation**, then click the **Web Browser icon**  to access the device via a web browser.
 - Click the **Web Browser icon**  in the searched device list under **Operation** to access the device via a web browser.
2. The default web browser will open and access the device IP address.

Note

This feature does not support devices added via Cloud ID.



Device Management	+ Add	× Delete	⚙ Upgrade	⬇ Import	🔄 Refresh	Total (4/4)	Filter			
Device	Device Name	Mode	Type	Model	Address	Port	CloudID	Status(3)	Operation	Upgrade
	192.168.1.232	IP/Domain	NVR		192.168.1.232	34567		Offline		N/A
	192.168.1.10	IP/Domain	IPC		192.168.1.10	34567		Online		Modify IP
	192.168.1.144	IP/Domain	IPC		192.168.1.144	34567		Online		Web Browse
	192.168.1.226	IP/Domain	IPC		192.168.1.226	34567		Online		Status


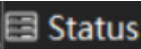
Log search	Search	+ Add	✓ LGNXAB	□ onvif	Total (4/4)	Filter		
Address	Port	Type	Model	CloudID	MAC Address	Add Status	Operation	Version
192.168.1.28	34567	IPCamera				Not Added		
192.168.1.226	34567	IPCamera				Added		
192.168.1.10	34567	IPCamera				Added		
192.168.1.144	34567	IPCamera				Added		

Figure 3-24 Access Device Web Browser

3.2.9 Check Device Status

Perform this task if you want to check the device status.

Steps

1. Click  in the added device list under **Operation**, then click . A pop-up window displaying the device status will appear.
2. You can view information such as **Device Name**, **Type**, **IP/Domain**, **Port**, **Model**, **MAC Address**, etc.

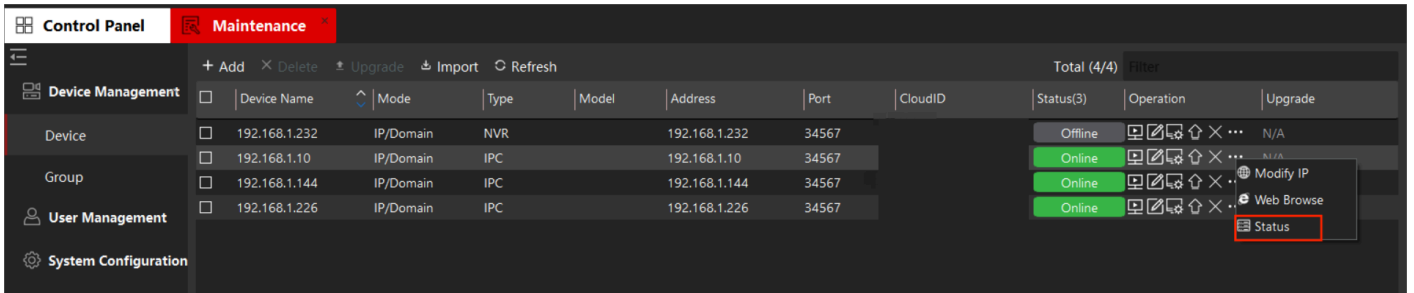


Figure 3-25 Check Device Status 01

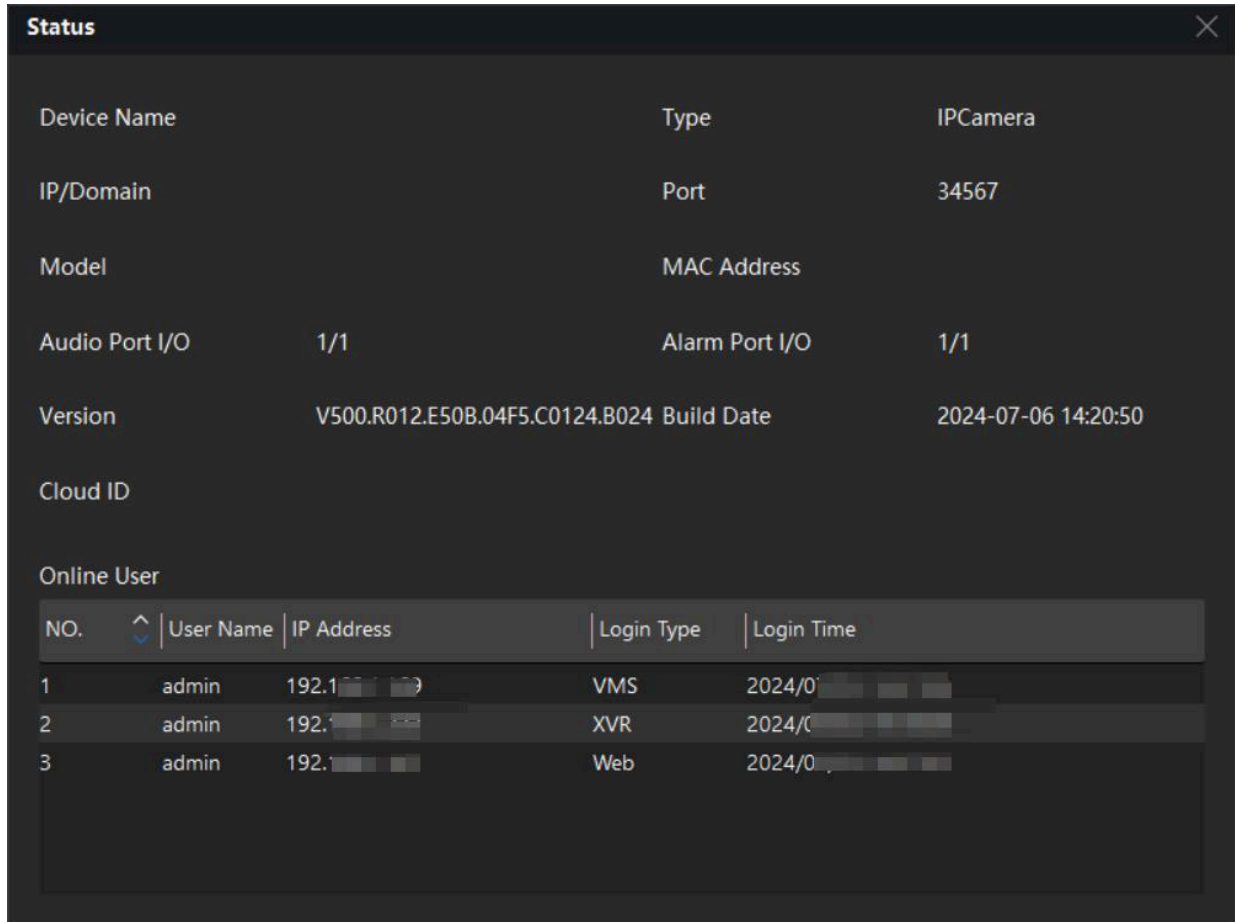


Figure 3-26 Check Device Status 02

3.3 Group Management

The client provides grouping functionality to manage added resources. You can organize resources into different groups based on their locations, making device management more convenient.

Steps

1. Go to **Maintenance** → **Device Management** → **Group**. The added devices will be listed in groups, allowing you to manage and control devices by group.

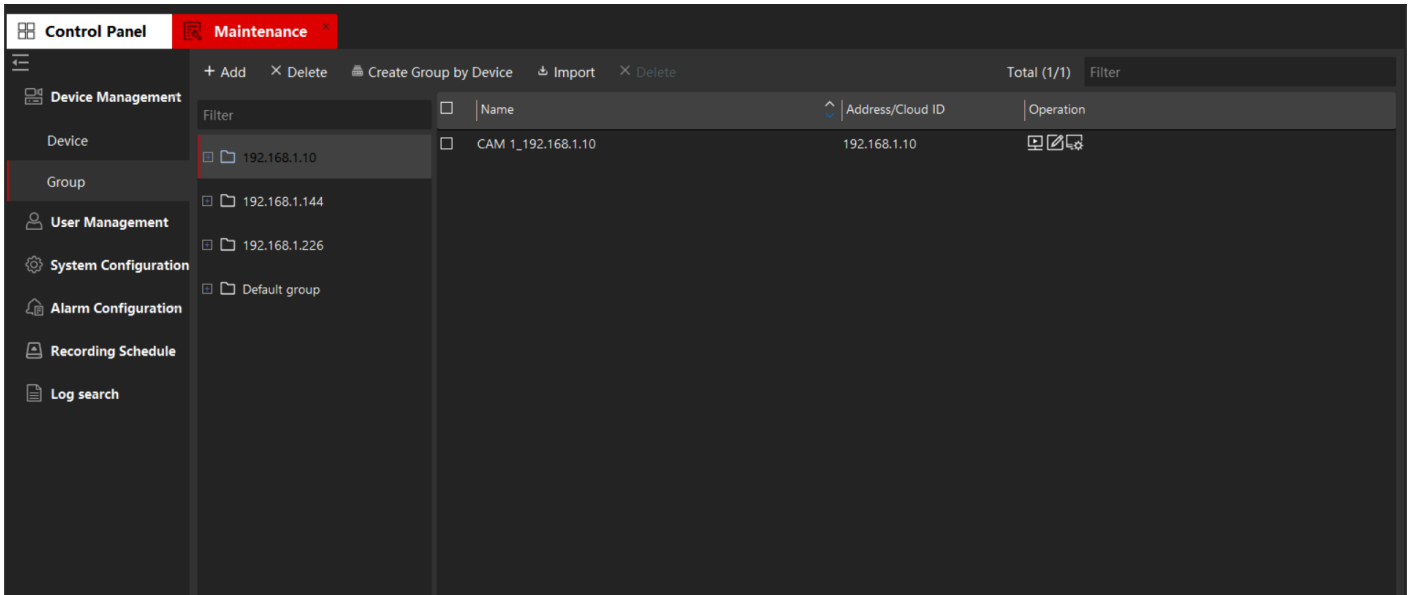


Figure 3-27 Group Management

3.3.1 Create Group

Perform this task when you want to create a group.

Steps

1. Go to **Maintenance** → **Device Management** → **Group**.
2. Perform one of the following operations to create a group:
 - Click **Add**. A new group will be added to the group list, named **New Group1**.

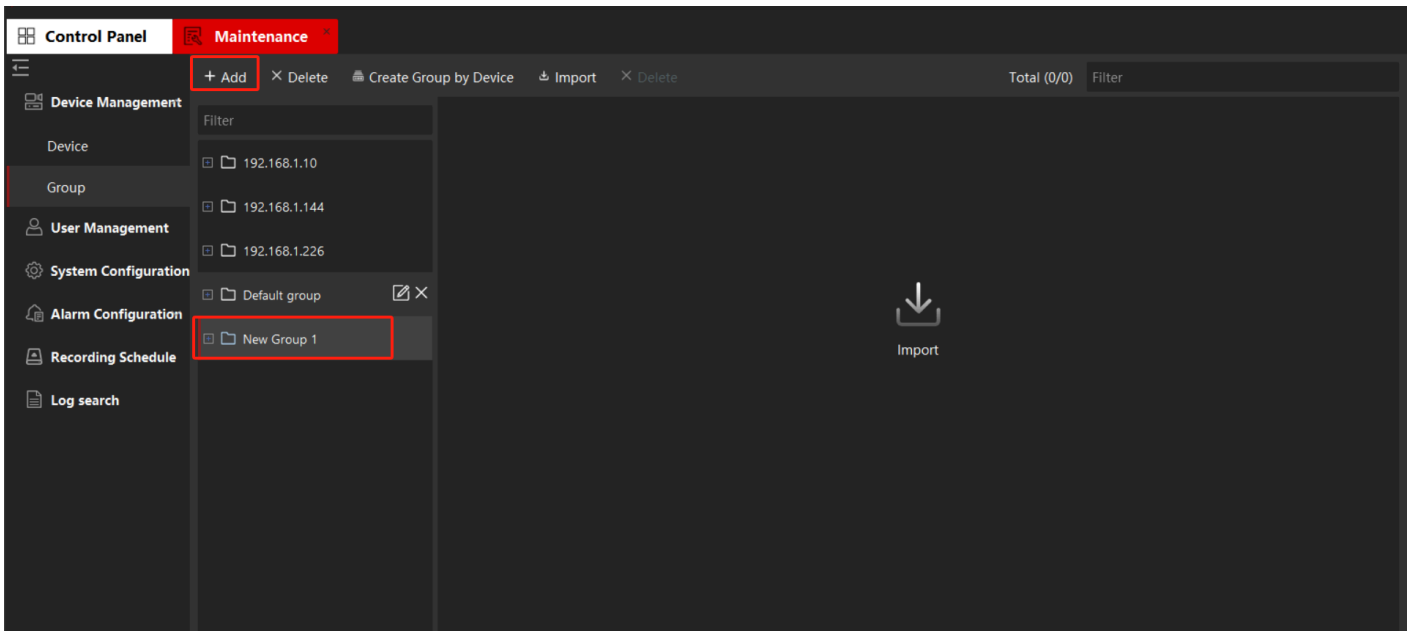


Figure 3-28 Create Group

- Click **Create Group by Device**. A pop-up window will appear. Select the devices you want to add to the new group, then click **OK**. Each device will be displayed as a group in the group list.

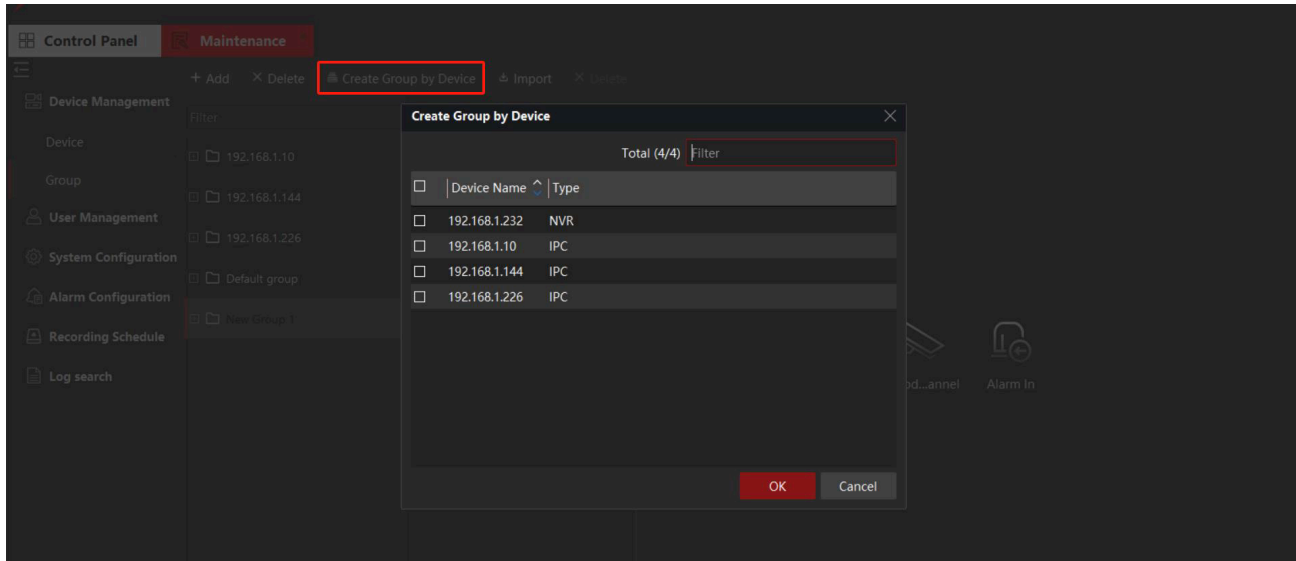



Figure 3-29 Create Group by Device

3. Click **Encode Channels**, and go to **Available Channels**. Select the devices/channels you want to import into the group, then click **Import**. The selected channels will be added to the new group.

3.3.2 Import Channels to Group

Perform this task to import device resources (such as encoding channels, alarm inputs, alarm outputs, etc.) into an added group in batches.

Steps

1. Go to **Maintenance** → **Device Management** → **Group**.
2. Select the group to which you want to import channels.
3. Click **Import**. The right panel will display **Available Channels**.
4. Click **Encode Channel** . The system will display the devices that have already been added, as shown in the following figure.

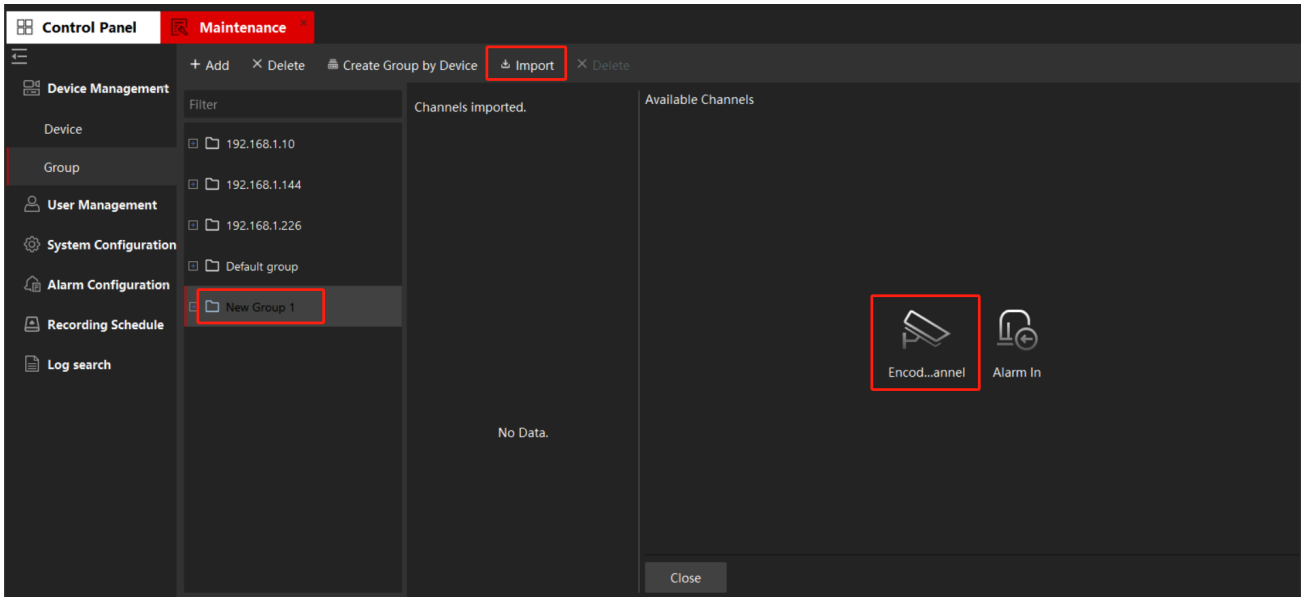



Figure 3-30 Import Channels to Group

5. In **Available Channels**, select the devices, or click the **Add icon**  to select the channels you want to import into the group.
6. Click **Import Selection**. The selected devices/channels will be added to the group.

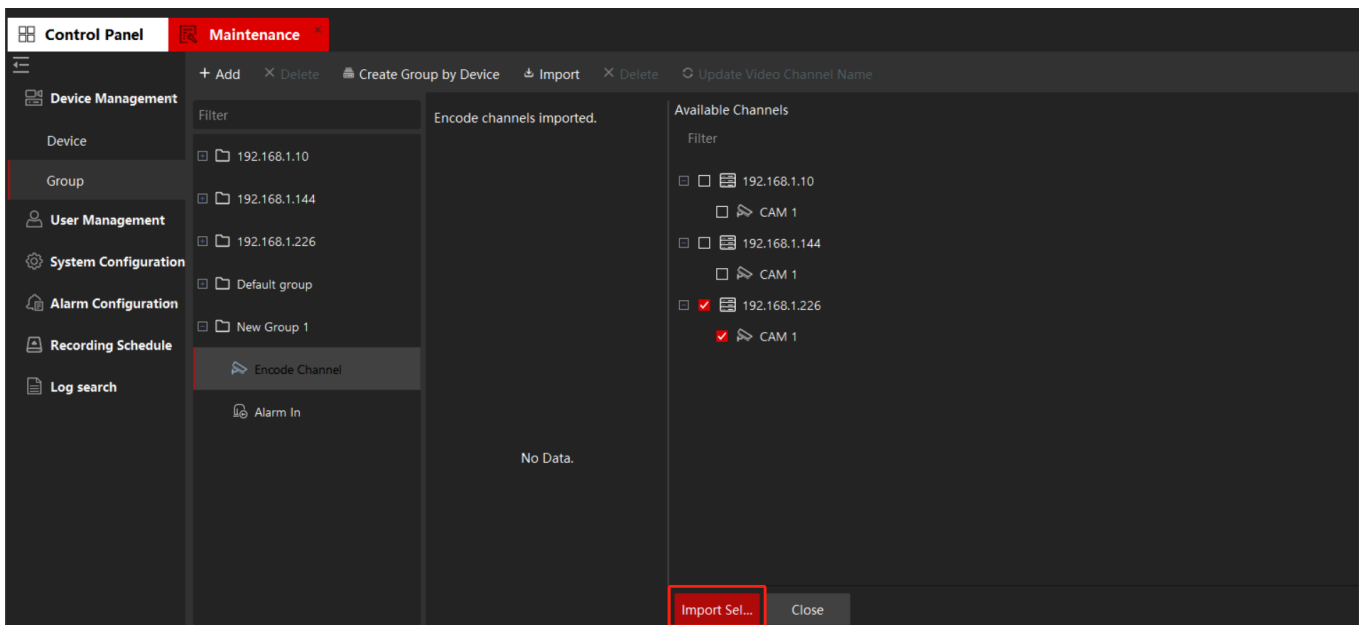


Figure 3-31 Import Selection

3.3.3 Edit Channel Parameters

Perform this task to edit channel parameters (channel name, stream type).

Steps

1. Go to **Maintenance** → **Device Management** → **Group**.

2. Select the group whose information you want to edit.
3. Click **Encode Channel**.
4. Click the **Edit icon**.
5. You can modify the **Channel Name** and select a **Stream Type**.

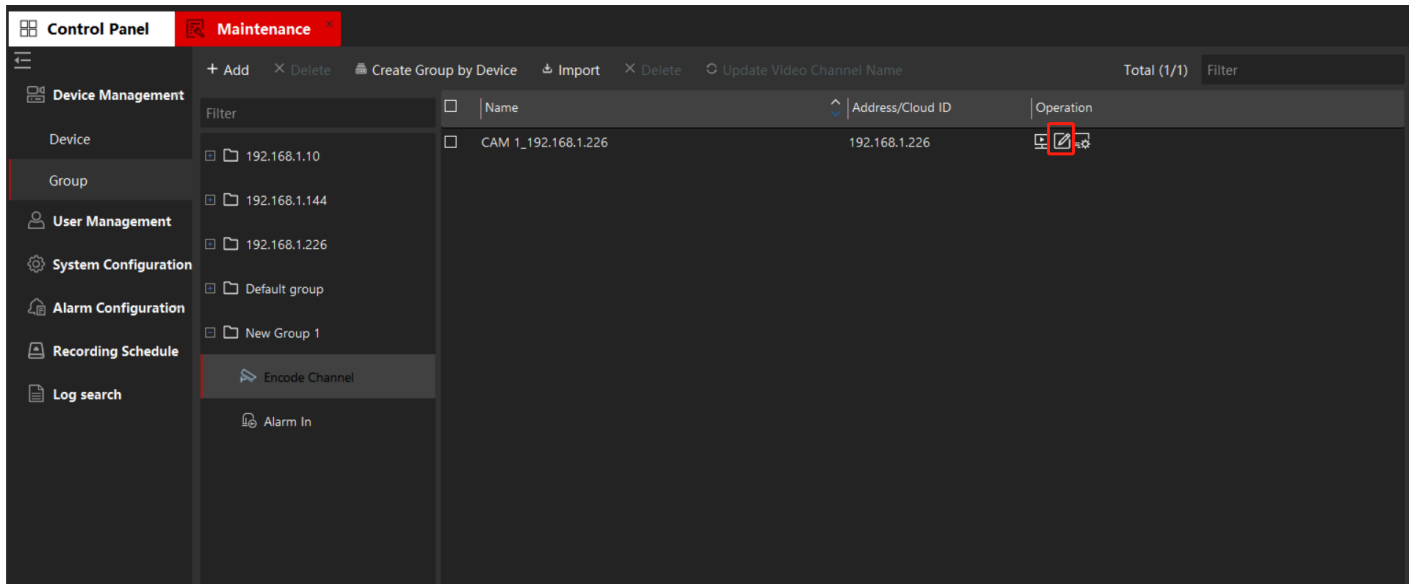


Figure 3-32 Edit Channel Parameters

3.3.4 Delete Channels from Group

Perform this task to delete a channel from a group.

Steps

1. Go to **Maintenance** → **Device Management** → **Group**.
2. Select the **Group** from which you want to delete a channel.
3. Click **Encode Channel**.
4. Click the **Delete icon**.
5. Select the channels you want to delete, and click **Delete**.

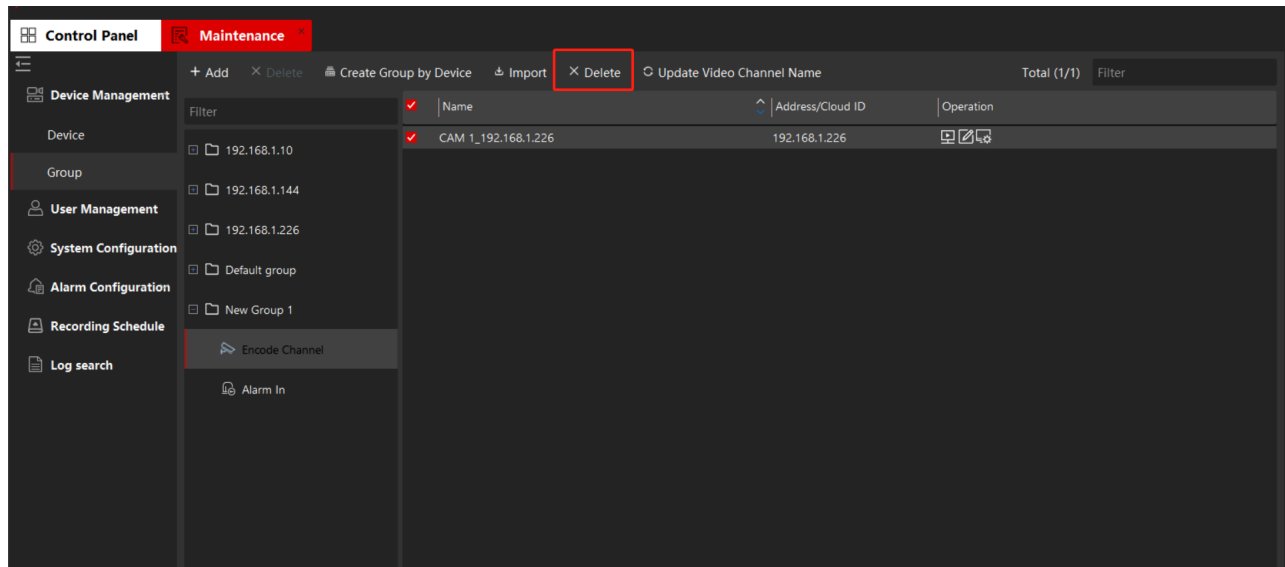


Figure 3-33 Delete Channel from Group

3.3.5 Delete Group

Perform this task to delete a group.

Steps

1. Go to **Maintenance** → **Device Management** → **Group**.
2. Select the group you want to delete.
3. Click **Delete**.

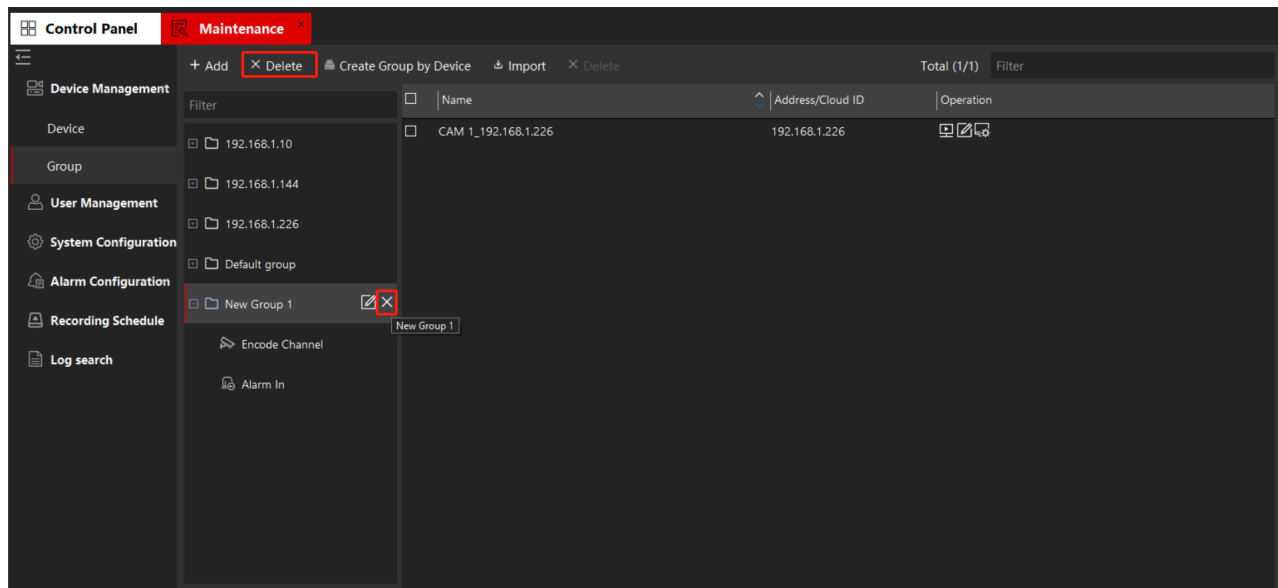


Figure 3-34 Delete Group

3.3.6 Rename the Group

Perform this task to rename the group.

Steps:

1. Click the **Edit** icon in the Group List.
2. Click the group name (highlighted in blue) and enter a new name.

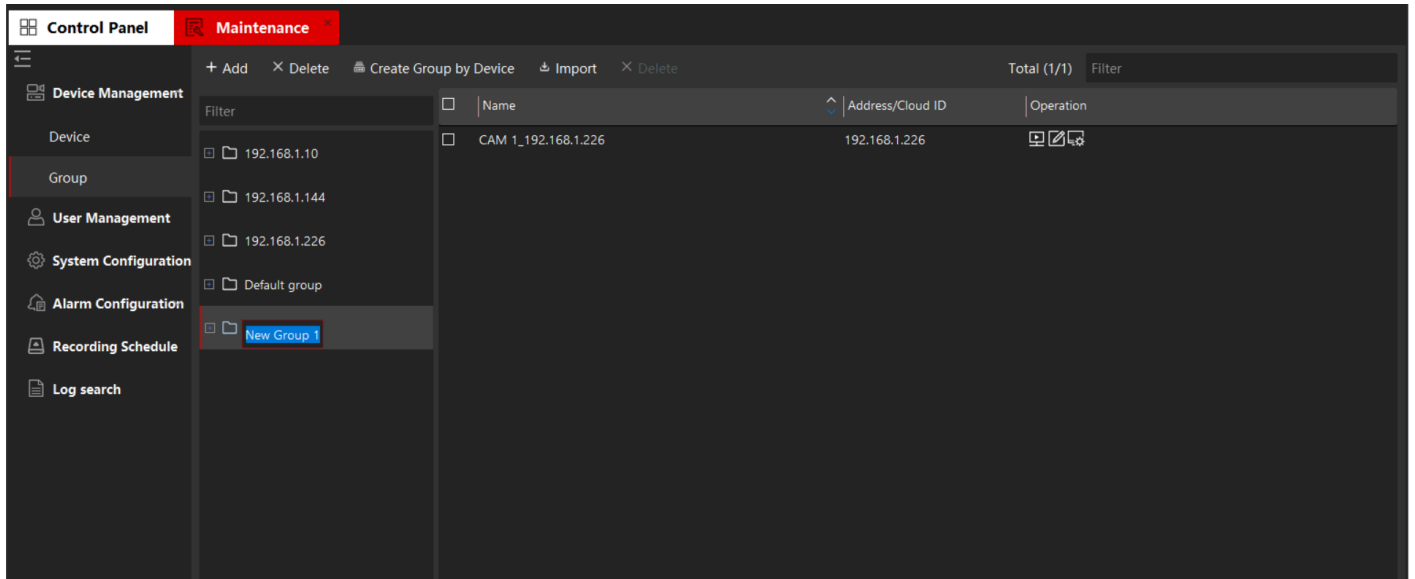


Figure 3-35 Rename the Group

4. Live View

You can view the live video of added network cameras and video encoders on the **Main View** page. Basic operations are supported, including picture capture, manual recording, window division, PTZ control, etc.

4.1 Preview Interface Introduction

Go to **Control Panel** → **Live View**.

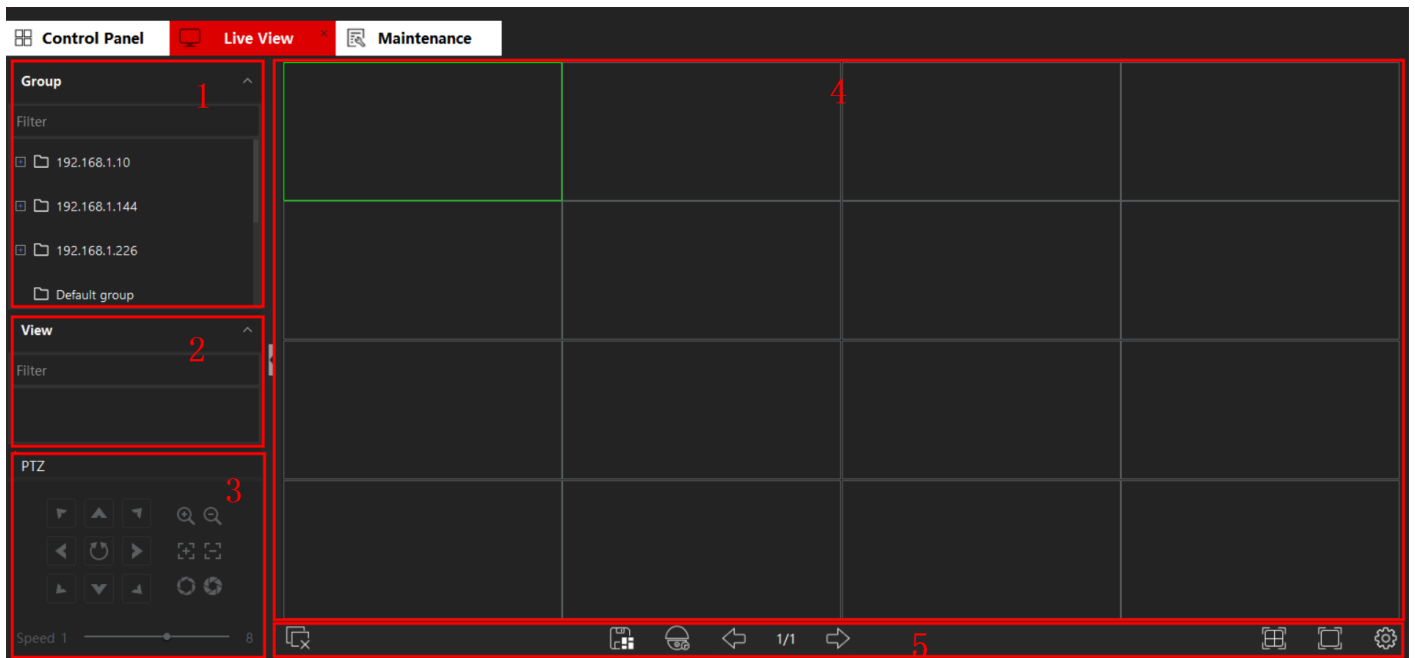


Figure 4-1 Live View Interface

Table 4-1 Preview Interface








No.	Items	Description
1	Group List	All groups and channels added to the VMS are listed here.
2	View	Supports customized view modes.
3	PTZ	Supports remote PTZ control of the device.
4	Windows	Supports live video display and related functions.
5	Toolbar	Allows you to adjust the live view window size, set the stream type, and perform operations such as start/stop live view, capture, record, and audio on/off.

4.2 Live View Toolbar

The live view toolbar helps you operate and manage the live view window more conveniently and efficiently.

4.2.1 Toolbar

Table 4-2 Toolbar

Button	Items	Description
	Close All Window	Stop all live views.
	Save View	Save the current view configuration, making it easier to review these channels later.
	Monitor Plan	Click Monitor Plan to select the plan/task you want to monitor. The preview window will start playing live video according to the selected plan/task.
	Previous/Next	Switch to the previous or next preview.
	Screen Div	Select different window division modes for live view.
	Full Screen	Display the live view in full screen. Press Esc to exit full screen mode.
	Set	Configure the VMS client, including settings for Video/Snapshot format, Record Duration, Display Scale, Smart Rules, etc.



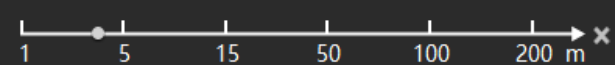

4.2.2 Quick Setting Toolbar in Channel Image








On each channel screen, a quick setting toolbar is displayed when you move the cursor to the top of the image.



Figure 4-2 Quick Setting Toolbar in Channel Image

Table 4-3 Quick Setting Toolbar

Button	Items	Description
	Channel Stream Status	Displays information in the format of Stream Type – Real-time Bitrate, where M: Main stream; S: Sub stream; 3: Mobile stream.
	Image Stitching	 Drag the scroll bar to adjust the stitching distance. Note: Only dual-lens cameras support this function.
	Siren	Turn the siren on or off. Note: Only active deterrence cameras support this function.

	Warning Light	Turn the warning light on or off. Note: Only active deterrence cameras support this function.
	Manual Record	Record video from the selected channel. The video file can be saved to a specified path on the local PC.
	Manual Snap	Capture a snapshot from the selected channel. The image can be saved to a specified path on the local PC.
	Audio Preview	Listen to audio from the selected channel. Ensure the device supports audio recording.
	Talk	Click to talk to the device. The camera speaker will play audio captured by your microphone. Ensure the device supports the speaker function.
	Zoom	Zoom in on the current channel view.
	Close Window	Stop the live view for the selected channel.

4.3 Start and Stop Live View

4.3.1 Start Live Video for One Camera

You can start the live view for a single camera.

Before You Start

A camera group must be defined for live view.

Perform this task to start live view for one camera.

Steps

1. Go to **Control Panel** → **Live View**.
2. **Optional:** Click the **Screen Division**  icon to select the window layout for live view.

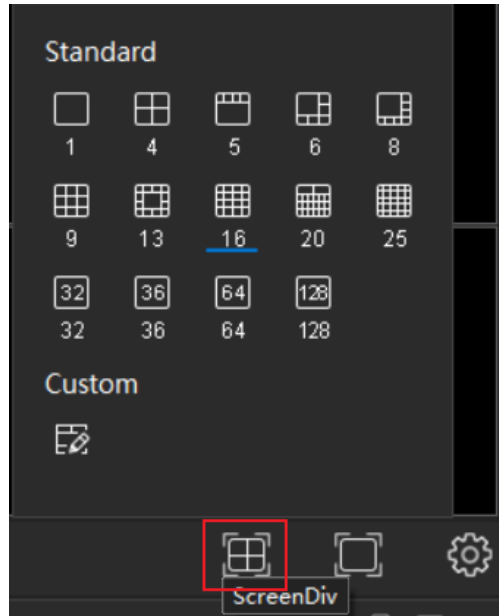








Figure 4-3 Screen Div

3. **Optional:** Click the **Settings**  icon to configure the display scale of the live view window. You can set it to Adaptive, 16:9, 4:3, or 1:1.
4. Select an available camera , then click the **Play**  icon or double-click the item to start live view. After a few seconds, the live video will be displayed in the selected window.

Note

When the mouse cursor hovers over a Group/Camera item, two icons will be displayed.

- Camera available 
- Camera not available 
- Camera available and currently playing live video 

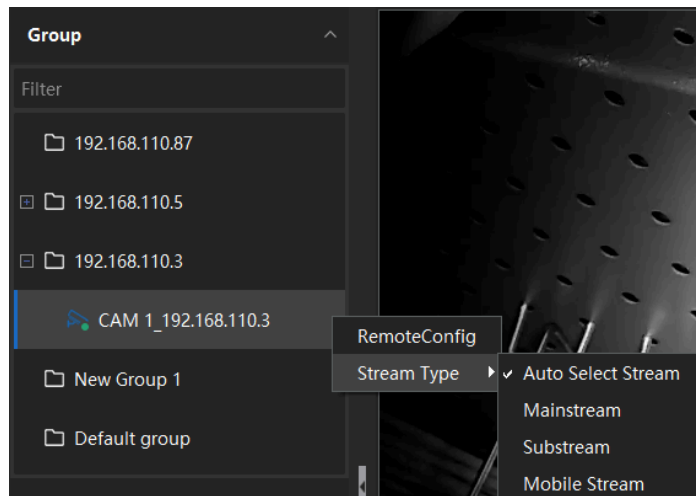


Figure 4-4 Stream Type

Auto-Select Stream: The system automatically selects the stream type based on network conditions.

Main Stream: Provides the highest resolution video stream.

Sub Stream: Provides a secondary, lower-resolution video stream.

Mobile Stream: Provides a low-resolution video stream.

4.3.2 Start Live Video for Group Cameras


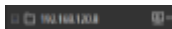
You can start live view for all cameras in a group simultaneously.

Before You Start

A camera group must be defined for live view.

Perform this task to start live view for a camera group.

Steps

1. Go to **Control Panel** → **Live View**.
2. Click the **Play**  icon on the group to start live view. 

Note

The number of display windows automatically adjusts to match the number of cameras in the group.





3. **Optional:** Click the **More Options** icon on the group, then select the stream type according to your needs. You can also start live video in single-window cruise mode.

4.3.3 Start Live Video in Custom View Mode

A view is a window layout with cameras assigned to each window. View mode allows you to save the window layout and the mapping between cameras and windows as a favorite, enabling quick access later. For example, you can assign Camera 1, Camera 2, and Camera 3 located in your garden to specific windows and save the layout as a view named “Garden”.

Perform this task to customize views for future use.

Steps

1. Go to **Control Panel** → **Live View**.
2. Customize a view.
 1. Click the **Screen Division**  icon to select the window layout for custom view mode.
 2. Select available cameras , then click the **Play**  icon or double-click the item to start live view as needed.
 3. Drag the video from one window to another to rearrange the display layout as required.
 4. Click the **Save View**  icon to save the view.
3. Start live view using the custom view.
 1. Go to **Preview** → **View**, and locate the saved view.

2. Double-click the view to start live video.

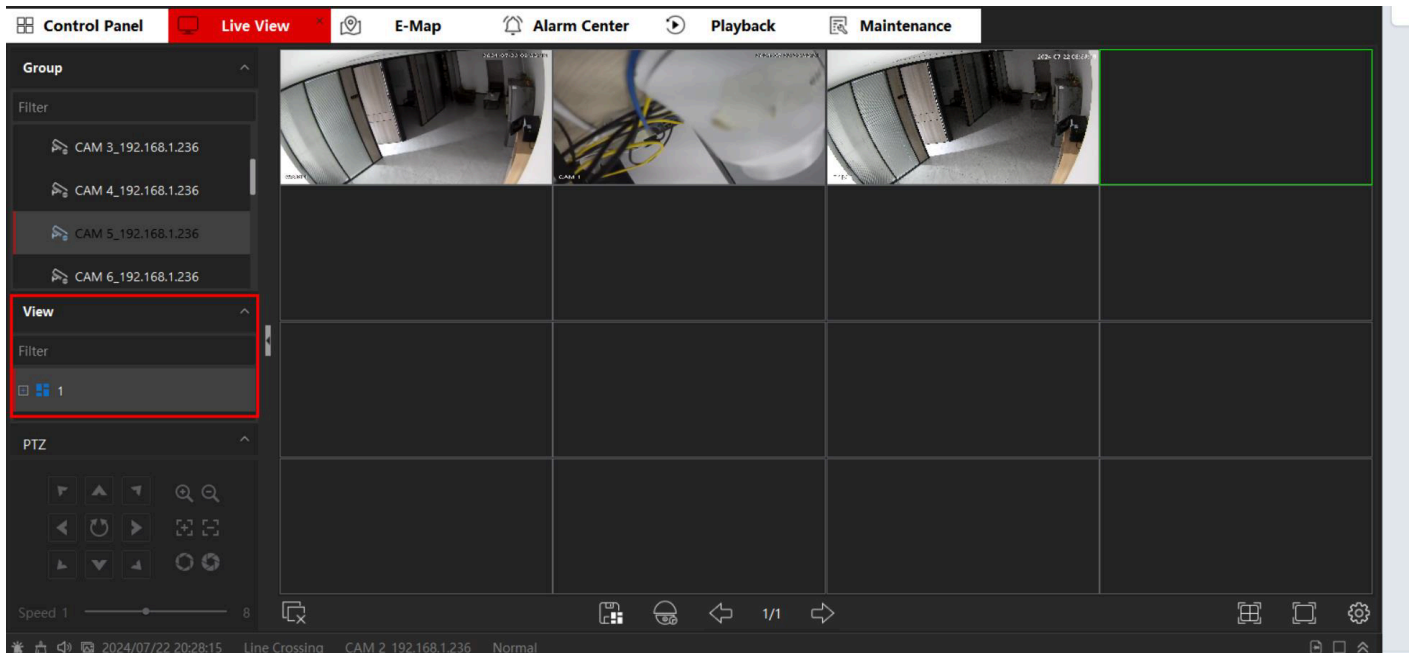


Figure 4-5 Custom View

4.3.4 Stop Live View


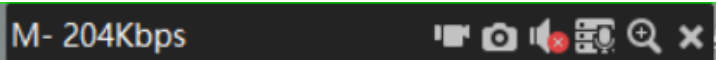

After starting live view, you can stop it as needed.

Before You Start

Start live view.

Perform one of the following operations to stop live view.

Steps

1. Move the cursor to the top of the display window, and click the **Close**  icon in the upper corner to stop live view for that window. 
2. Right-click the display window to open the context menu, and click **Close Window** to stop live view.
3. Right-click the display window to open the context menu, and click **Close All Window** to stop live view for all windows.
4. Click **Close All Window**  on the toolbar to stop all live views.

4.4 Customize Window Division

The client provides multiple predefined window division layouts. You can also customize the window division as required.

Steps

1. Go to **Live View**.
2. Click the window division icon, then click **Custom**.

Note

Up to 8 window divisions can be customized.

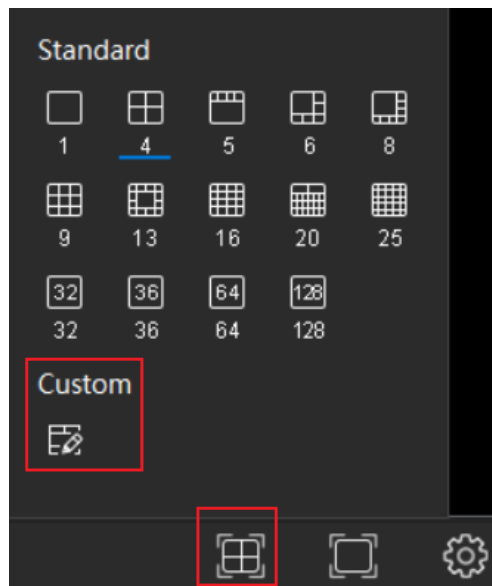


Figure 4-6 Custom

3. Click **Add**.

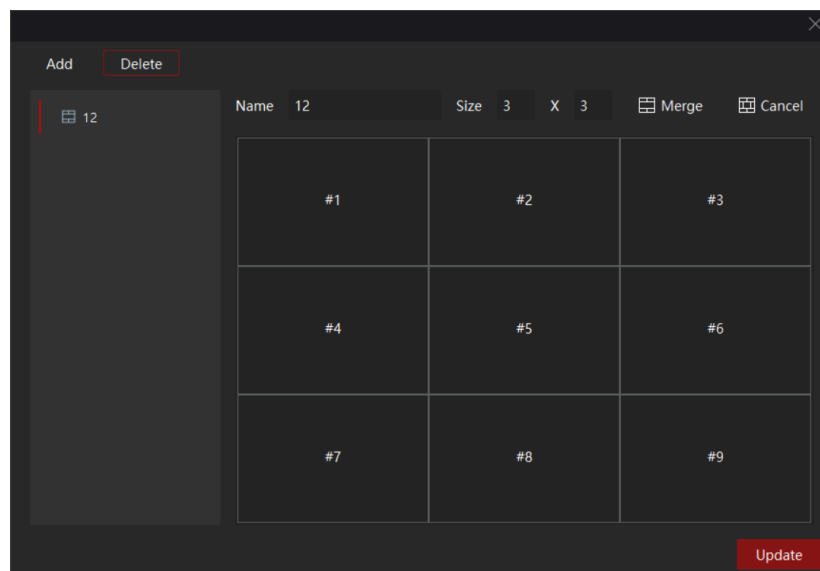


Figure 4-7 Add

4. Set a **Name** for the new window division as required, then click **OK**.
5. Configure the grid for the window division. The maximum size is 10 × 10.
6. Drag the mouse to select adjacent windows, then click **Merge** to combine them into a single window.
7. **Optional:** Right-click a window to reset the merge.
8. Click **Update**, or right-click and select **Save** to save the window division.

4.5 Manually Record and Capture

During live view, you can manually record videos and capture snapshots. The recorded video files and captured images are saved locally and can be accessed from the specified storage path.

4.5.1 Manually Record Video

The manual recording function allows you to record live video on the **Main View** page. The recorded video files are saved to a local directory.

Steps

1. Go to **Preview** and start live view.
2. **Optional:** You can configure the recording file format. Click **Settings**, then select **Video Format**, and choose the desired format. Supported formats: *.dav*, *.mp4*, and *.avi*.
3. Perform one of the following operations to start manual recording:
 1. Move the cursor to the top of the live view window to display the toolbar, then click the **Record** icon. The icon will change to indicate that recording is in progress.
 2. Right-click the display window and select **Local Record** from the context menu. When **Local Record** is enabled, the channel is recording.

Note

The storage path for recorded video files can be configured in the **System Configuration** page. Refer to **9.1.2 File Saving Path** for details.

4. Perform one of the following operations to stop manual recording:
 1. Click the **Record** icon again to stop recording.
 2. Right-click the display window and click **Local Record** to disable it. When **Local Record** is unchecked, recording stops.

4.5.2 Capture Pictures

You can capture snapshots during live view. Use this function when you need to take pictures from the live video.

Steps

1. Go to **Preview** and start live view.
2. **Optional:** Configure the snapshot file format. Click **Settings**, then select **Snapshot Format**, and choose the desired format. Supported formats: **JPEG** and **BMP**.
3. Perform one of the following operations to capture images:

1. Move the cursor to the top of the live view window to display the toolbar, then click the **Snapshot** icon.
2. Right-click the display window and select **Snapshot** from the context menu.

Note

The storage path for recorded files can be configured in the **System Configuration** page. Refer to **9.1.2 File Saving Path** for details.

4.6 Cruise in Live View

You can display live video from cameras or cycle through custom views using the **cruise** function. When monitoring a large number of cameras, the system can automatically switch between selected cameras in the display window. It also supports automatic switching between multiple views.

4.6.1 Single Window Cruise

You can start live view for a group of cameras using **Single Window Cruise**.

Before You Start

A camera group must be configured for live view.

Steps

1. Go to **Control Panel** → **Live View**.
2. Click the **Group** menu icon, then select **Single Window Cruise**. The VMS will start playing live video in a single window, switching between cameras one by one. You can set the cruise interval (5/20/40 seconds, 1/3/5 minutes).

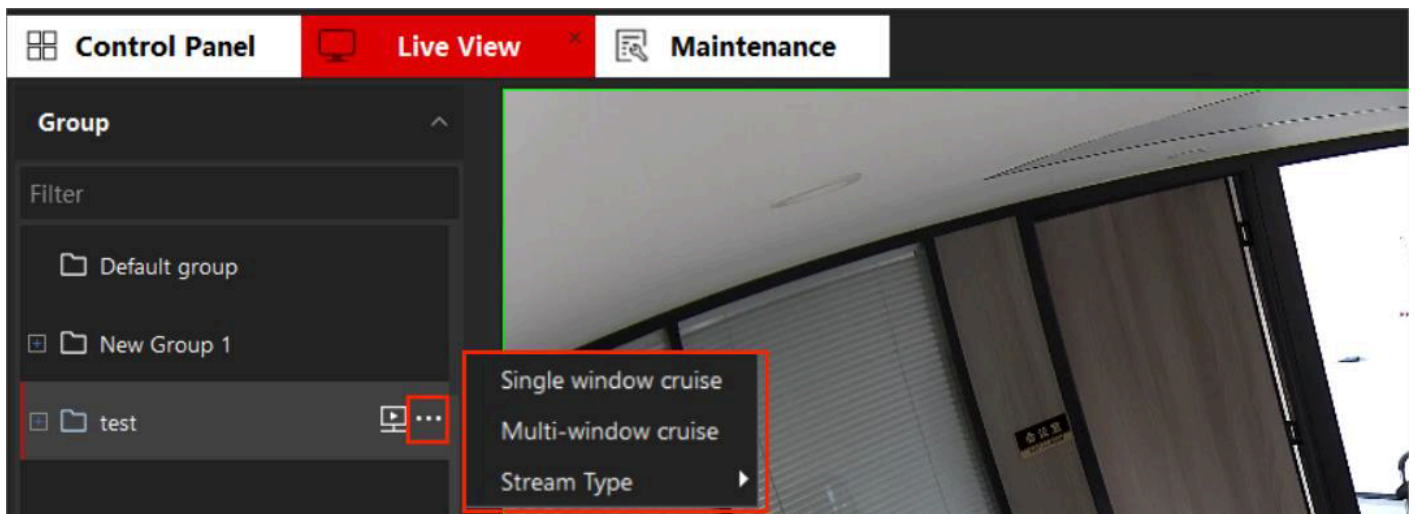


Figure 4-8 Single Window Cruise

4.6.2 Multi-Window Cruise

You can start live view for grouped cameras using **Multi-Window Cruise**. For example, if the window division mode is set to 4 windows and the group contains 16 cameras, the system will display live video in 4 windows, switching between cameras in batches (4 cameras at a time) at a specified interval.

Before You Start

A camera group must be configured for live view.

Perform this task when you want to start live view using **Multi-Window Cruise**.

Steps

1. Go to **Control Panel** → **Live View**.
2. **Optional:** Click the window division icon to select the desired window layout for live view.
3. Click the **Group** menu icon, then select **Multi-Window Cruise**. The client will start playing live video across multiple windows, switching channels sequentially. You can set the cruise interval (5/20/40 seconds, 1/3/5 minutes).

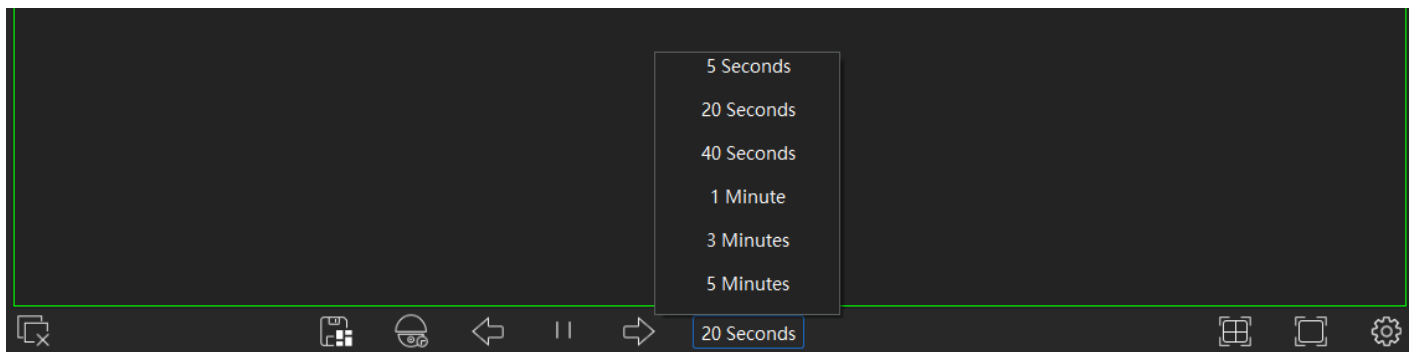


Figure 4-9 Set the Interval Time

4.6.3 Monitor Plan to Cruise

This function allows you to configure different Views/Channels and set schedules to display live video automatically in the preview windows.

Create Monitor Task

Perform this task to create and edit a monitor task.

Steps

1. Go to **Control Panel** → **Monitor Plan**.
2. Click **Create Task**.

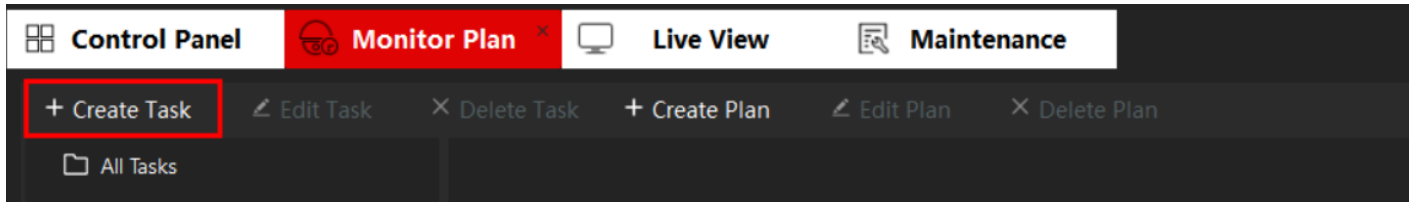


Figure 4-10 Create Monitor Task

3. Set the **Task name**, then click the window division icon to select the monitor view mode.

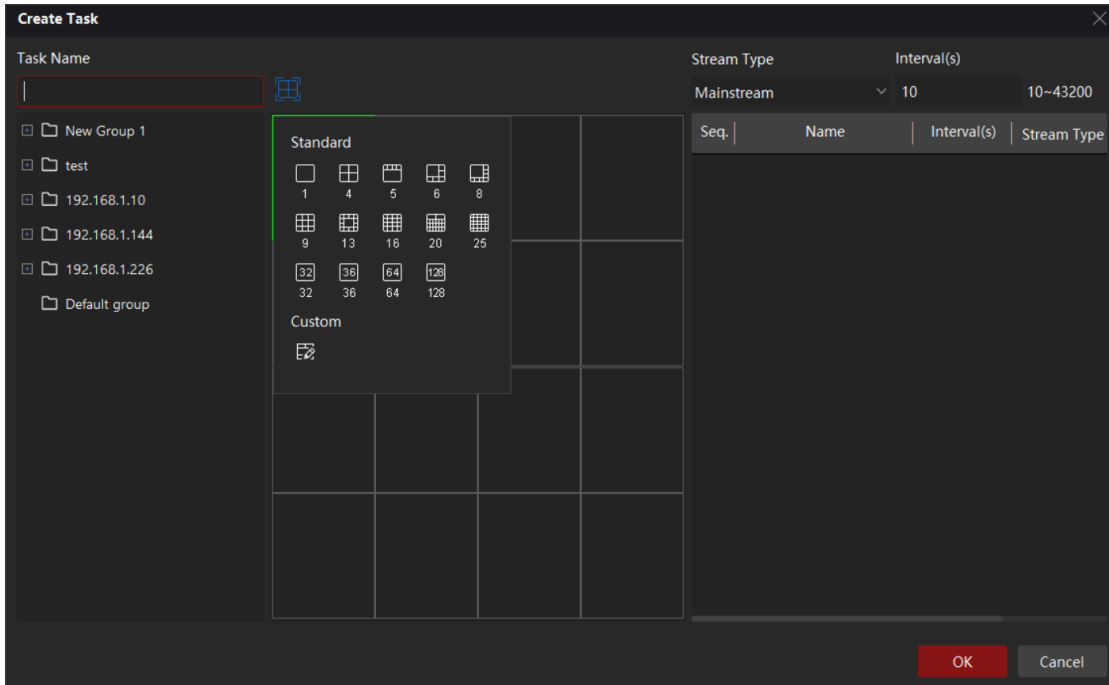


Figure 4-11 Choose the Monitor View

4. Select a window, then double-click a channel in the device list. The selected channels will be added to the task list on the right as a sequence.
5. Select a channel in the right list and set the interval time for each channel.

Note

The interval defines how long each channel is displayed in the window. During operation, video will be played in the selected window according to the configured sequence.

6. Select another window and repeat **Steps 4–5** to configure tasks for each window.
7. Click **OK**.

Create Monitor Schedule/Plan

Perform this task to create and edit a monitor schedule.

Steps

1. Go to **Control Panel** → **Monitor Plan**.
2. Click **Create Plan**.

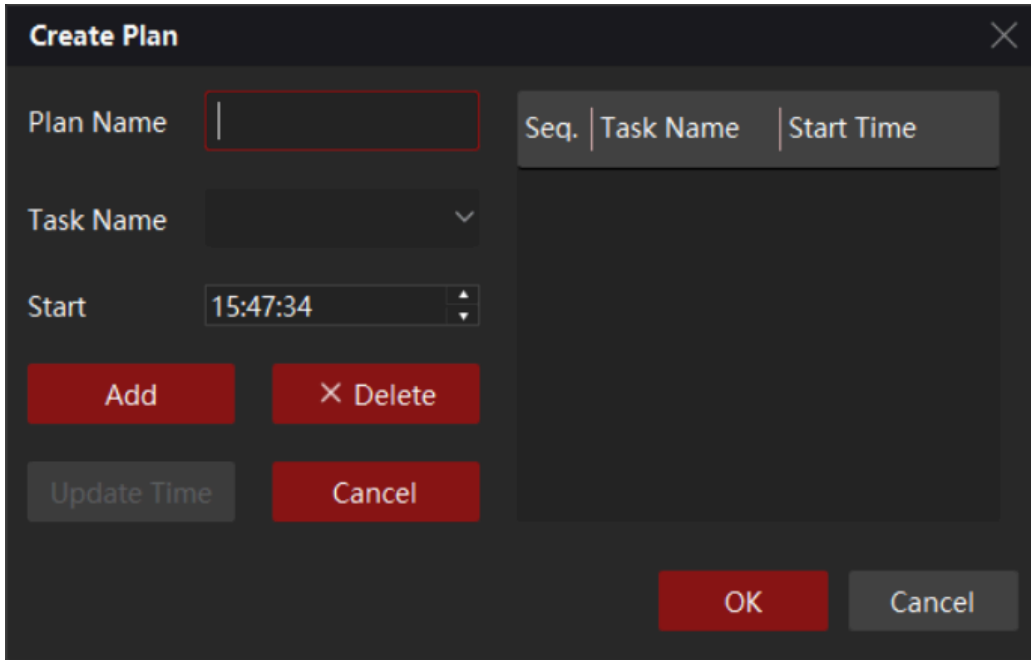


Figure 4-12 Create Plan

3. Set the **Plan name**, select the task, and configure the start time.
4. Click **OK**.

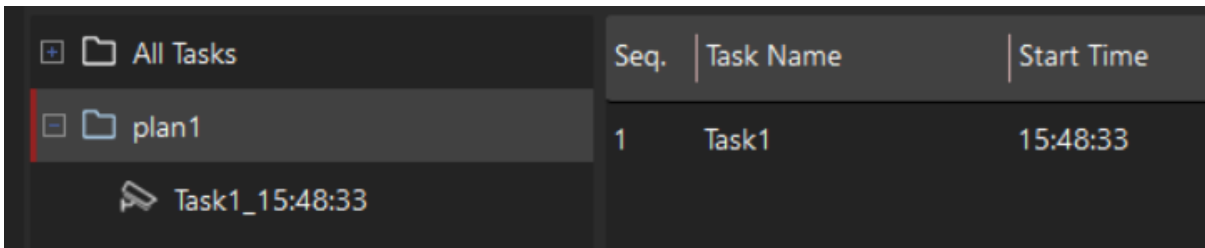


Figure 4-13 Finish Create Plan

Use the Monitor Plan on Preview Interface

Steps

1. Go to **Control Panel** → **Live View**.
2. Click the **Monitor Plan** icon, then select the Plan/Task you want to run. The preview window will start playing live video according to the selected Plan/Task.

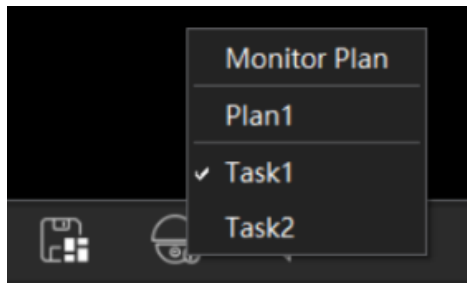


Figure 4-14 Use the Monitor Plan

4.7 Auxiliary Screen Preview


This function allows you to display live video on different auxiliary screens for convenient monitoring of multiple scenes.

Perform this task to display live video on auxiliary screens.

Before You Start

Connect an additional display device to the PC running the VMS.

Steps

1. Go to **Control Panel**, then click **Add Screen**  **Add Screen**.
2. Select the added display from the list.
3. Set a **Preview Name** for the display.

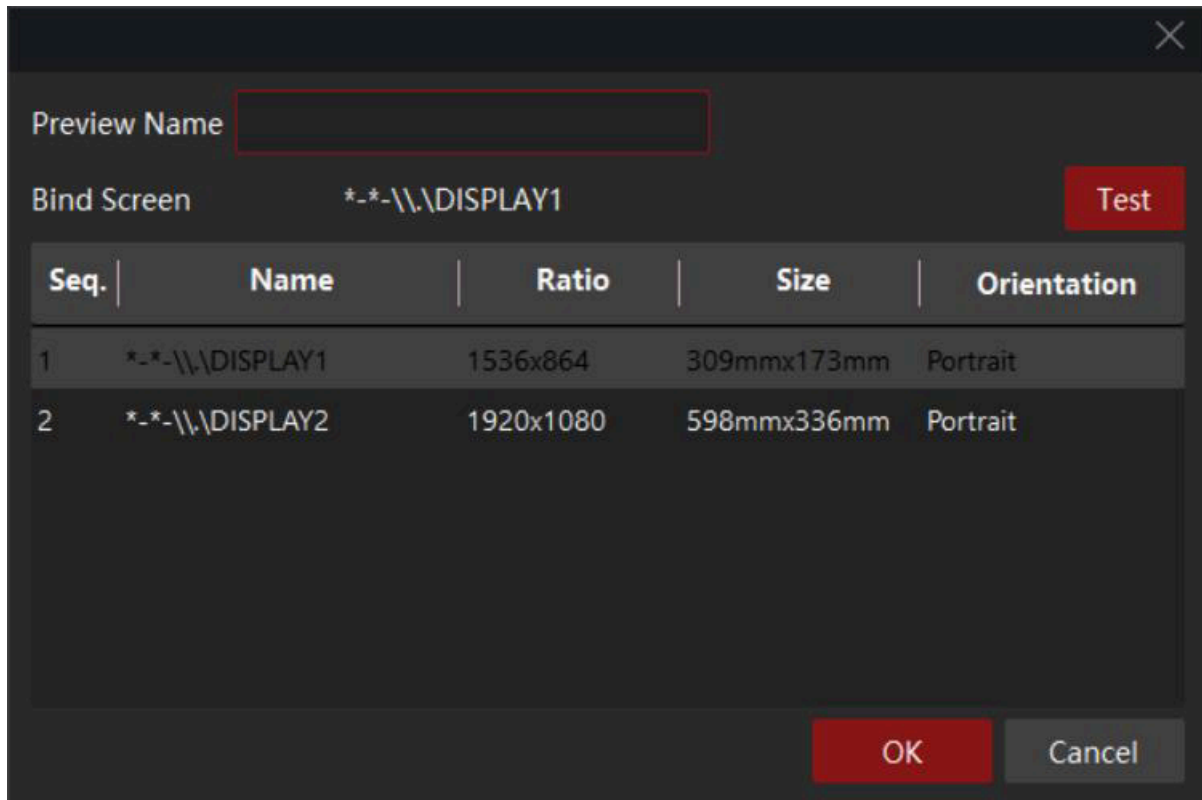


Figure 4-15 Add Screen

4. Click **OK**. A new screen icon will be added to the **Control Panel**.

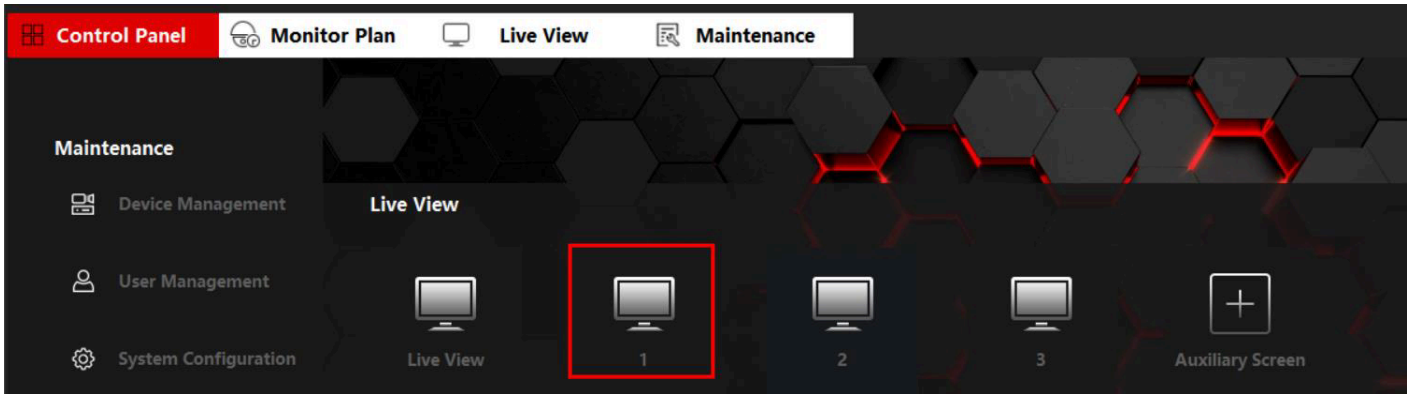


Figure 4-16 New Screen Icon

Note

Up to 3 auxiliary screens are supported.

5. Click the new screen icon and select the channel to preview.
6. Double-click the new screen tab. The screen will be displayed on the previously bound monitor.
7. **Optional:**
 1. **Edit the added screen:** Right-click the added screen and click **Set Screen**. You can modify the screen name and binding.
 2. **Recall screen:** Right-click the added screen and click **Recall**. The screen will return to the main control panel.
 3. **Delete:** Right-click the added screen and click **Delete**. The screen will be removed from the control panel.

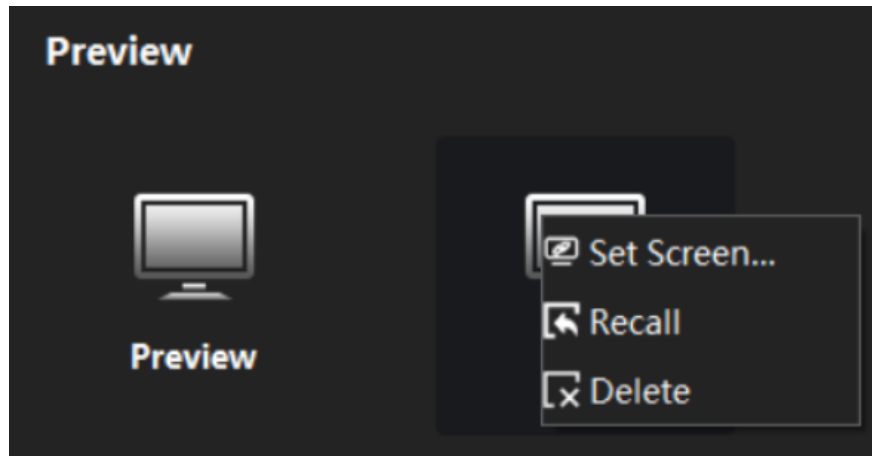



Figure 4-17 Edit

4.8 PTZ Control

In the live view interface, you can use the PTZ control buttons to control the panning, tilting, and zooming of the device.

4.8.1 PTZ Control Panel

Steps

1. Go to **Control Panel** → **Live View** → **PTZ**.
2. Click the expand  icon to open the full **PTZ Control Panel**.

Note

Some functions may not be supported depending on the device model. This manual is for reference only.

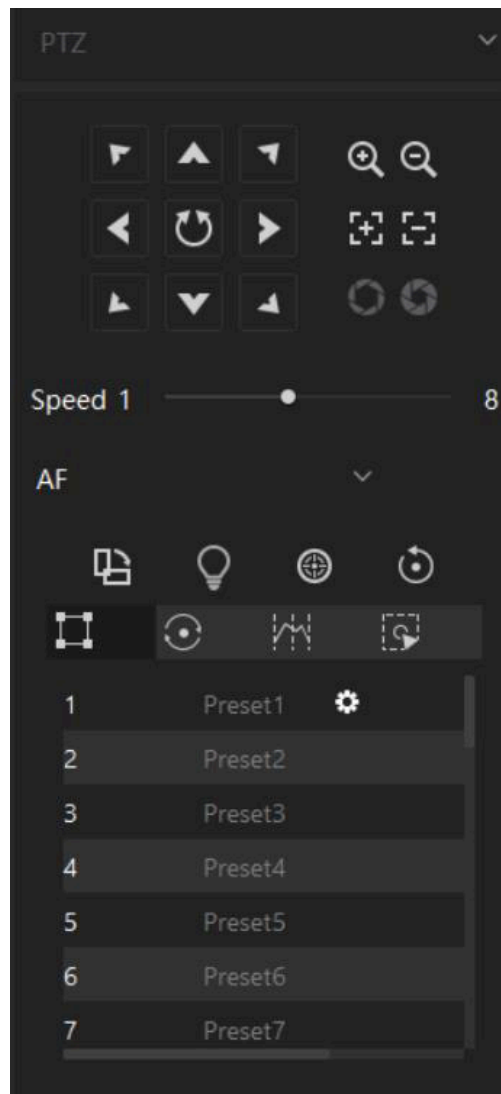














Figure 4-18 PTZ Full Control Panel

Table 4-4 PTZ Button

Button	Items	Description
	Directional Button	Click and hold the directional buttons to pan/tilt the device.
	Speed (1–8)	Adjust the speed of pan/tilt movement.

	Zoom	Click the + / - buttons to zoom the lens in or out.
	Focus	Click the + / - buttons to adjust focus (near/far).
	Iris	When the image is too dark, click + to enlarge the iris. When the image is too bright, click - to reduce the iris opening.
	Auto Pan	Click to start automatic horizontal scanning.
	Lighting	Click to enable supplementary illumination (only if supported by the device).
	Auto Focus	Click to focus automatically.
	Camera Initialization	Click to initialize the camera position.
	Preset	A preset is a predefined camera position. After presets are configured, you can call a preset number to move the camera to that position.
	Auto Tour	Defines a scan route using multiple presets. The camera moves between presets according to configured speed and duration.
	Auto Scan	Sets vertical boundaries for camera movement. The camera moves only within the defined range.
	Pattern	Records a movement pattern. The camera can repeat the recorded motion.

4.8.2 Set Preset, Auto Tour, Auto Scan and Pattern

Steps






1. Go to **Control Panel** → **Live View** → **PTZ**.
2. Click the expand  icon to open the **PTZ Full Control Panel**.
3. Configure **Preset**, **Auto Tour**, **Auto Scan**, and **Pattern** as required.

Table 4-5 Steps

Task	Description	Steps
	Set Preset	<ol style="list-style-type: none"> 1. Click the preset icon. 2. Use the PTZ control buttons to move the camera to the desired position. 3. Select a preset number from the preset list, then click the settings icon to save. 4. Optional: Click the call/delete icons to call or delete the preset.
	Auto Tour	<ol style="list-style-type: none"> 1. Click the auto tour icon. 2. Click Add to create a preset, set Preset, Stay Time, and Speed, then click OK. 3. Repeat Step 2 to add multiple presets. 4. Click Return. 5. Click the play icon to start the auto tour.
	Auto Scan	<ol style="list-style-type: none"> 1. Click the auto scan icon. 2. Use the PTZ controls to move the camera to the desired position for the left boundary, then click the save icon to set the left limit. 3. Use the direction buttons to move the camera to the desired position for the right boundary, then click the save icon to set the right limit. 4. Click the play icon to start auto scan.
	Pattern	<ol style="list-style-type: none"> 1. Click the pattern icon. 2. Select a pattern path to configure. 3. Click the record icon to start recording the pattern. 4. Operate the PTZ controls as needed. 5. Click the record icon again to stop recording and save the pattern. 6. Click the play icon to run the pattern.

5. Playback

5.1 Flow Chart

Video files can be stored on HDDs or MicroSD/SDHC cards on the local device, or on a connected storage server.

You can search video files stored on the local device or storage server by camera or event, and then play them remotely.

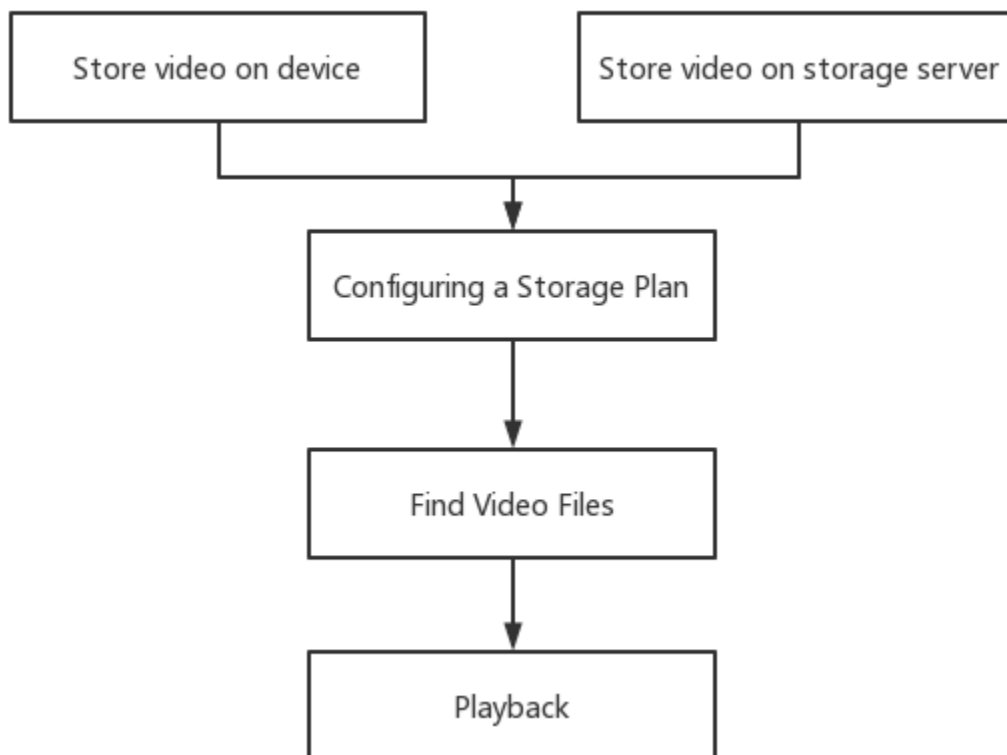


Figure 5-1 Playback Flow Chart

5.2 Store Video on Device

Some local devices, including DVRs, NVRs, and IP cameras, support storage using HDDs and MicroSD/SDHC cards. You can configure recording schedules for channels on local devices.

Before You Start

Ensure that the device is installed with HDDs or MicroSD/SDHC cards.

Perform this task when you need to store video files on an encoding device such as a DVR, NVR, or IP camera.

Steps:

1. Go to **Maintenance** → **Record Schedule**.
2. Select the device or channels from the group.



Figure 5-2 Record

- Common:** Normal continuous recording.
- MD:** Recording triggered by events.
- Alarm:** Recording triggered by device alarm input.

3. Confirm your selection of **Device**.



4. Click the edit icon to open the configuration page.

	Default Time	Current Time	Common	MD	Alarm
Schedule1	00:00:00	~ 23:59:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Schedule2	00:00:00	~ 23:59:59	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule3	00:00:00	~ 23:59:59	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule4	00:00:00	~ 23:59:59	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule5	00:00:00	~ 23:59:59	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule6	00:00:00	~ 23:59:59	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Copy to

All

Sun. Mon. Tue. Wed.

Thu. Fri. Sat.

Figure 5-3 Edit Page

5. Set the recording schedule time and date, then click **Save**.

5.3 Store Video on Storage Server

5.3.1 Activate Storage Server

Steps

1. Perform one of the following operations to start the **Storage Server**:

1. Right-click the **VMS Server** icon in the system tray and select **Settings**
2. Click **Server List**, then enable **Recorder Server**.

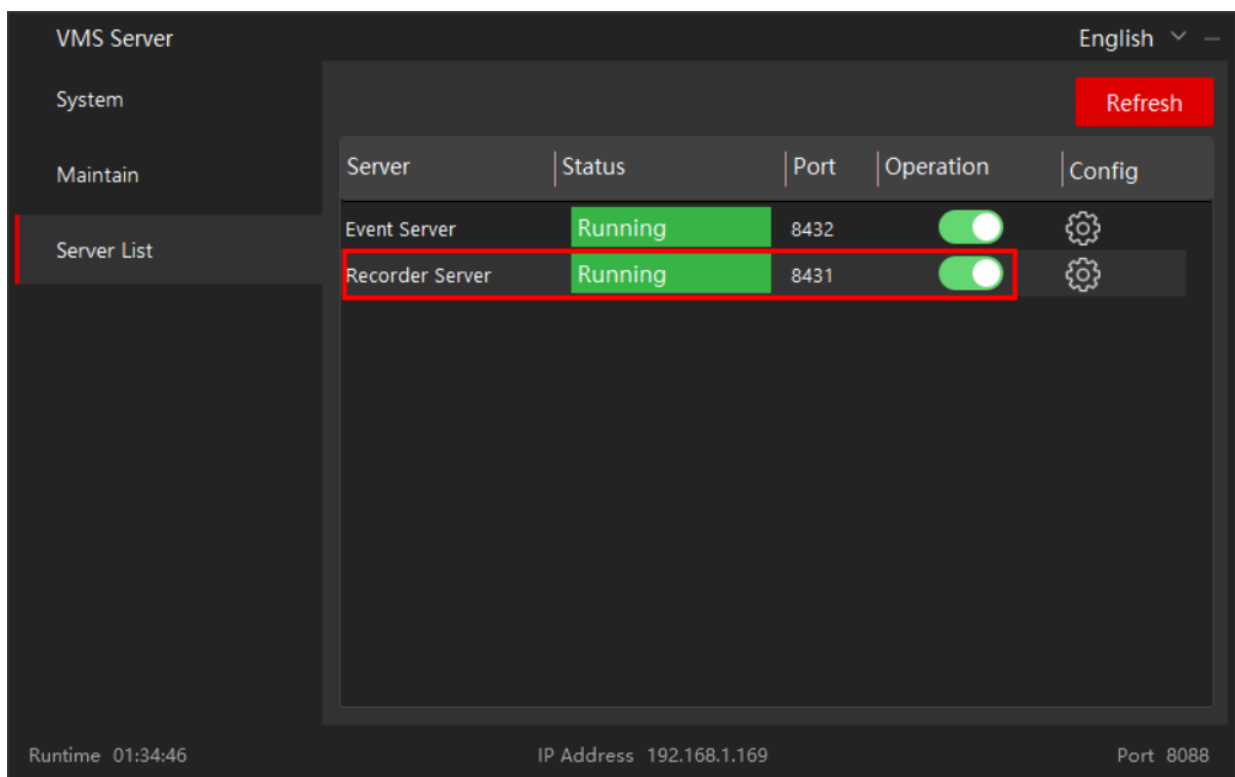
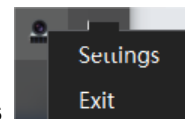


Figure 5-4 Server List

Note

You can also store video files on a **Storage Server** installed on another PC.

5.3.2 Initialize Recorder Server

You must initialize the recorder server before storing video files.

Steps

1. Double-click **Recorder Server** from the system tray.

2. Click **Disk Config**, select the disk, and click **Initialize**. After initialization, the client can record video to the recorder server.

Note

Initialization does not format the HDD.

3. **Optional:**

Channel: Displays recording channel information.

Disk Status: Displays the disk status of the device.

Search: Allows you to search recording status by channel.

System: Displays IP address and port information, and supports importing a security certificate to bind the VMS Server.

Note

A security certificate is required when the Recorder Server is installed on another device.

For details on using a deployed Recorder Server on another device, refer to **2.4 Advanced Deployment Mode**.

5.3.3 Add Storage Server to Client

You can add a storage server to the client to store video and images from added encoding devices.

Steps

1. Go to **Maintenance** → **Device**, then click **Add**.



Figure 5-5 Add Storage Server

2. Select **Recorder** as the **Type**, set the **Device Name**, and enter the **Recorder Server IP address**, then click **Add**.

Manual Addition

Mode: IP/Domain Cloud ID

Type: Record Server

Device Name: record

Address: 192.168.1.169

Port: 8431

Device Protocol: LGNXAB

Buttons: Add/Continue, Add, Cancel

Figure 5-6 Choose Recorder

Note

Verify the Recorder Server IP address from the **Recorder Server Service**.

3. After adding, the **Recorder Server** will appear in the list and show an online status.

<input type="checkbox"/>	Device Name	Mode	Type	Model	Address	Port	CloudID	Status(2)	Operation	Upgrad
<input type="checkbox"/>	Event	IP/Domain	Event Server		192.168.120.41	8432		Online	[Icons]	N/A
<input type="checkbox"/>	Recod	IP/Domain	Record Server		192.168.120.41	8431		Online	[Icons]	N/A

Figure 5-7 Online Status

5.3.4 Configure Storage Settings

When the storage server is available, you can configure the recording schedule or capture schedule for the cameras.

Before You Start

The newly installed storage server must be initialized.

Steps:

1. Go to **Maintenance** → **Recording Schedule**, and select the device or channels from the group.
2. Ensure that the **Storage Server** is selected.
3. Move the cursor over the schedule and click to select the recording time.

Note

The blue sections indicate the scheduled recording time.

4. **Optional:** You can select **Main stream/Sub stream** for recording.
5. Click **Save**.

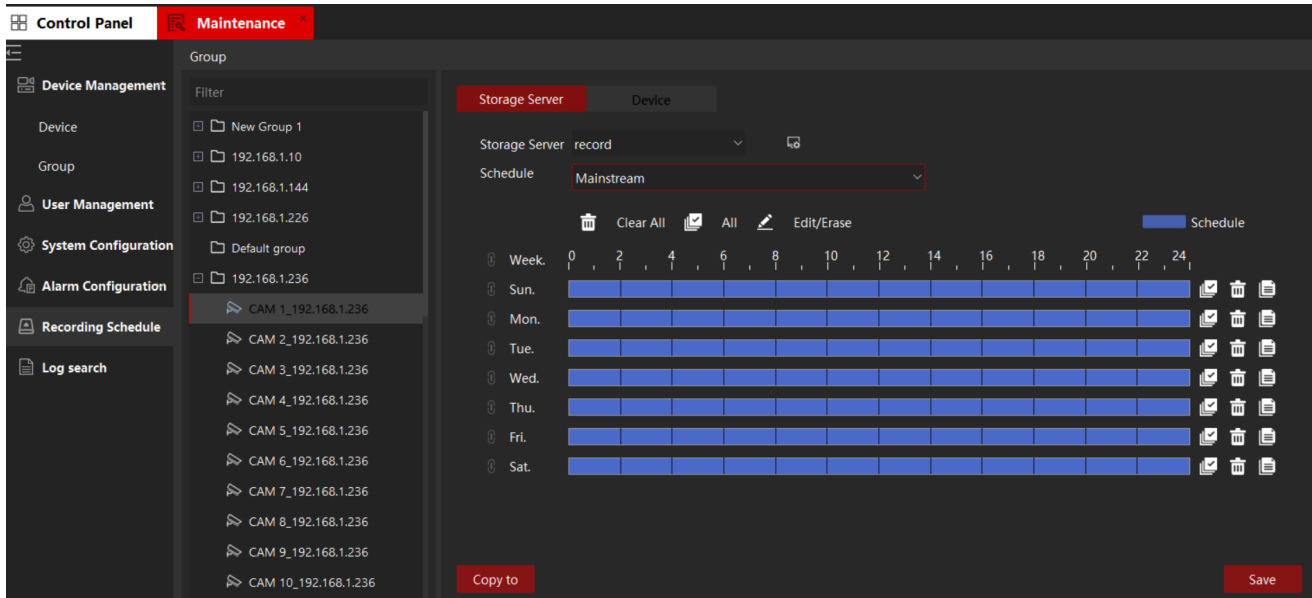


Figure 5-8 Record

5.4 Playback Toolbar

When playing back video in the **Playback** module, you can use the tools in the toolbar to perform various operations.

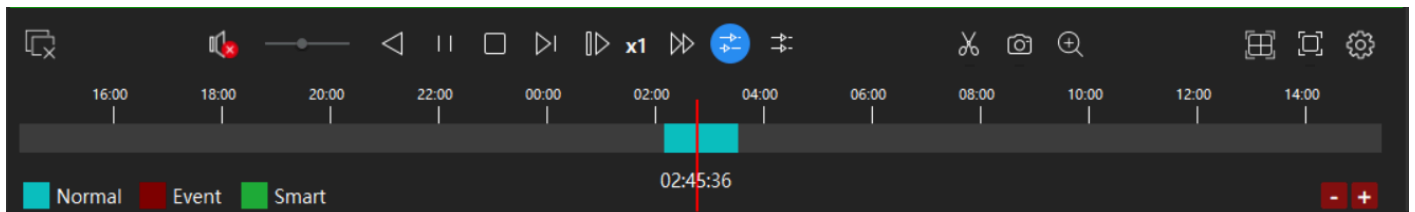














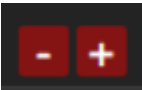


Figure 5-9 Playback Toolbar

Table 5-1 Toolbar

Button	Items	Description
	Close windows	Stops all playback windows.
	Volume Control	Adjusts the video volume.
	Backward	Plays the video backward.
	Play	Starts video playback.
	Pause	Pauses video playback.
	Stop	Stops video playback.
	Next Frame	Plays the video frame by frame.
	Slow Play	Plays the video at a slower speed.
	Fast Play	Plays the video at a higher speed.
	Asynchronous	When playing two or more videos simultaneously, enables asynchronous playback.
	Synchronization	When playing two or more videos simultaneously, synchronizes the playback timelines.
	Manual Video Clipping	Click the start time, drag the timeline to the desired end time, and click again to complete clipping. The video is saved locally.
	Snapshot	Captures a snapshot of the video.
	Digital Zoom	Click in the playback window and use the mouse wheel to zoom in or out.
	Timeline zooms in/out	Click “-” to shorten the timeline or “+” to extend it.

Note

Synchronous playback supports up to 4 channels.

The VMS supports up to 9 channels for simultaneous playback. Playback performance also depends on the performance of the local computer.

5.5 Normal Playback

Perform this task when you need to search video files by camera or group for normal playback.

Steps

1. Go to **Control Panel** → **Playback**.
2. Select **Video Playback**.
3. Select the storage source.
Device: Searches and retrieves video from device HDDs or MicroSD/SDHC cards.
Storage Server: Searches and retrieves video from the storage server.
4. Select the date, start time, and end time for the search and playback.
5. **Optional:**
Enable **Sub stream** to search sub-stream video.
Disable **Sub stream** to search main stream video.

Note

The storage source must record the sub-stream to support sub-stream playback. Refer to **5.3.4 Configure Storage Settings** for details.

6. Double-click the group or camera you want to play back.
7. The video will automatically start playing in the right window from the selected start time.

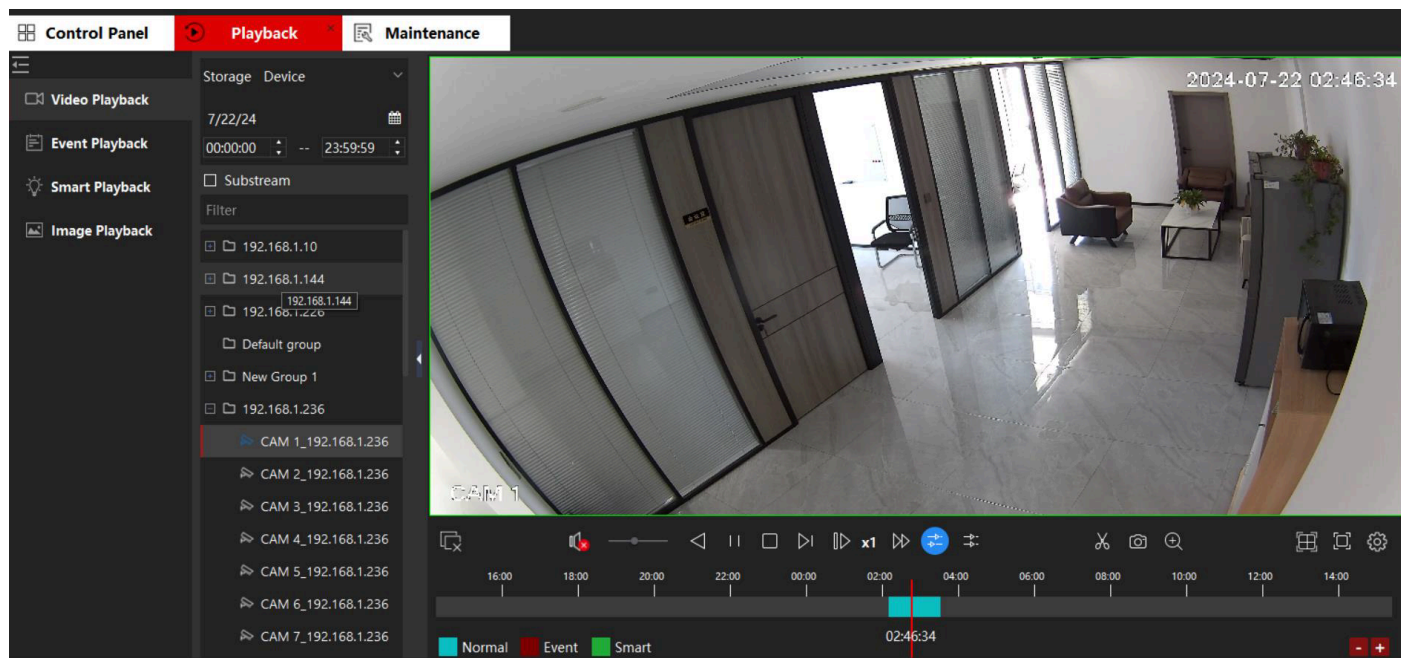


Figure 5-10 Normal Playback

5.6 Event Playback

Perform this task when you need to search video files by camera or group for event playback.

Steps

1. Go to **Control Panel** → **Playback**.
2. Select **Event Playback**.
3. Select the storage source.
 - Device:** Searches and retrieves video from device HDDs or MicroSD/SDHC cards.
 - Storage Server:** Searches and retrieves video from the storage server.
4. Select the date, start time, and end time for the search and playback.
5. **Optional:** Enable **Substream** to search sub-stream video. Disable **Substream** to search main stream video.
6. Select the **Event type** to search.
7. Select the **Device/Channel** to play back.
8. Click **Search**.
9. A list of searched events will be displayed on the right side.
10. **Optional:** Set the time for **Play Before** and **Play Delay**.
11. **Optional:** Select the video format for download.
12. Select an event to **Play** or **Download**.

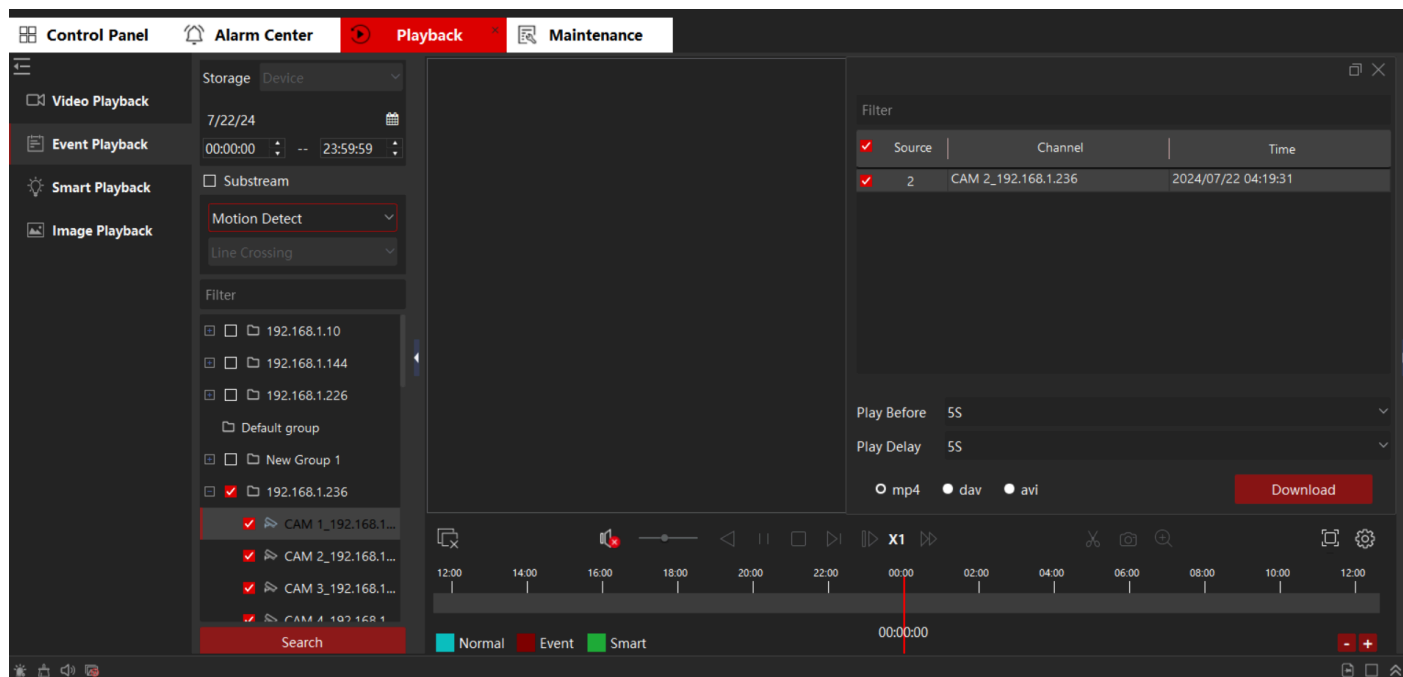


Figure 5-11 Event Playback

5.7 Smart Playback

Perform this task when you need to search video files by camera or group for event playback.

Note

Only cameras with **Smart Detection Video** recording enabled are supported.

Steps

1. Go to **Control Panel** → **Playback**.
2. Select **Smart Playback**.
3. Select the storage source.
 - Device:** Searches and retrieves video from device HDDs or MicroSD/SDHC cards.
 - Storage Server:** Searches and retrieves video from the storage server.
4. Select the date, start time, and end time for the search and playback.
5. **Optional:** Enable **Substream** to search sub-stream video. Disable **Substream** to search main stream video.
6. Select the camera you want to play back and double-click it to start playback.
7. Select a smart search type. Supported options include **Draw Line**, **Draw Region**, **Motion Detection (Draw Rectangle)**, **Motion Detection (Full Screen)**, and **Face Search**.
8. Click **Search**.
9. The video will be searched and played.

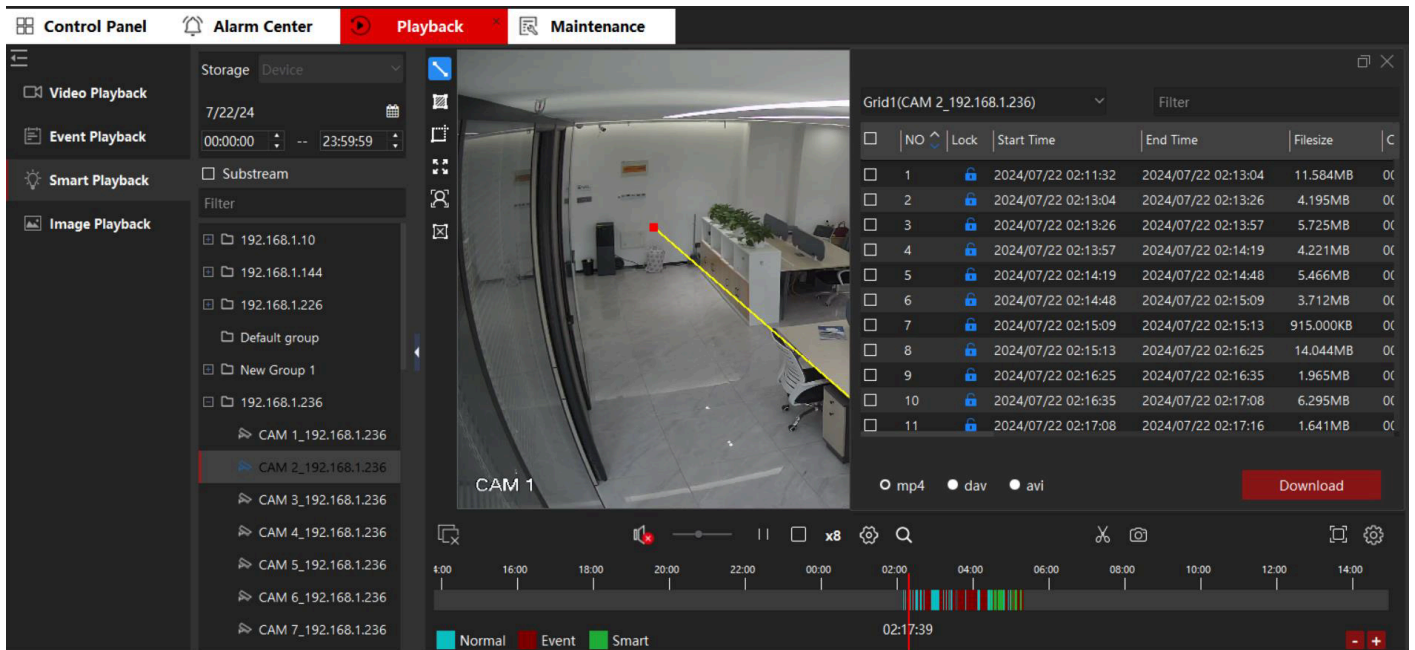


Figure 5-12 Smart Playback

5.8 Image Playback

Perform this task when you need to search event images by camera or group.

Steps

1. Go to **Control Panel** → **Playback**.
2. Select **Image Playback**.
3. Select the date, start time, and end time for the search.
4. Select the **Device/Cameras** you want to search.
5. Click **Search**.
6. A window displaying the found event images will appear on the right side.
7. Select the event images and click **Play**.

Control Panel Alarm Center Playback Maintenance

7/22/24
00:00:00 -- 23:59:59

Filter

- 192.168.1.10
- 192.168.1.144
- 192.168.1.226
- Default group
- New Group 1
- 192.168.1.236
 - CAM 1_192.168.1...
 - CAM 2_192.168.1...
 - CAM 3_192.168.1...
 - CAM 4_192.168.1...
 - CAM 5_192.168.1...
 - CAM 6_192.168.1...
 - CAM 7_192.168.1...

Search

CAM 1

NO.	Time	Picture
1	20240722 05:22:39	01_2024-07-22-05-22-39_2024-07
2	20240722 05:22:41	01_2024-07-22-05-22-41_2024-07
3	20240722 05:22:43	01_2024-07-22-05-22-43_2024-07
4	20240722 05:23:14	01_2024-07-22-05-23-14_2024-07
5	20240722 05:23:16	01_2024-07-22-05-23-16_2024-07
6	20240722 05:23:18	01_2024-07-22-05-23-18_2024-07
7	20240722 05:24:12	01_2024-07-22-05-24-12_2024-07
8	20240722 05:24:15	01_2024-07-22-05-24-15_2024-07
9	20240722 05:25:33	01_2024-07-22-05-25-33_2024-07
10	20240722 05:25:35	01_2024-07-22-05-25-35_2024-07
11	20240722 05:25:37	01_2024-07-22-05-25-37_2024-07
12	20240722 05:26:02	01_2024-07-22-05-26-02_2024-07
13	20240722 05:26:04	01_2024-07-22-05-26-04_2024-07
14	20240722 05:26:06	01_2024-07-22-05-26-06_2024-07

Group 192.168.1.236 Channel 2 (192.168.1.236)

Figure 5-13 Image Playback

6. Event Alarm

When an event occurs, the client receives event information. Through the **Event Center** module, you can view real-time events, query historical events, and process events, enabling effective monitoring and management to ensure a safe and orderly environment.

6.1 Device Event Alarm Configuration

Configure the device event server, assign the device event server, and define trigger actions so that the client software can receive event notifications.

6.1.1 Activate the Event Server

Perform this task when you need to activate the event server.

Steps

1. Perform one of the following operations to activate the **Event Server**:
 1. Right-click the **VMS Server** icon in the system tray and select **Settings**.
 2. Click **Server List**, and enable the **Event Server**.

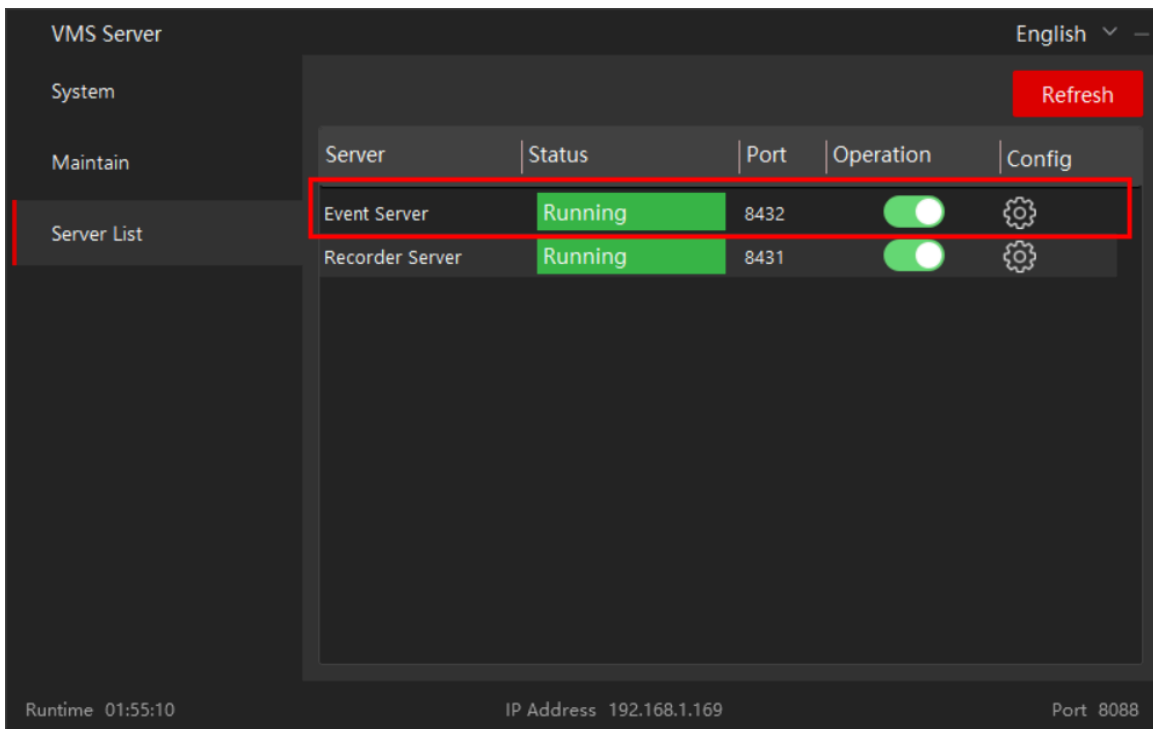


Figure 6-1 Enable Event Server

Note

You can also record video files on a **Storage Server** installed on another PC.

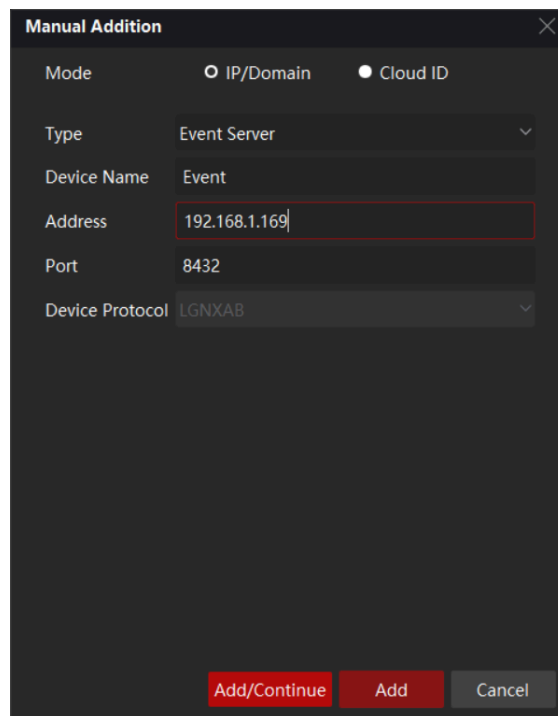
6.1.2 Add Event Server

Before You Start

Ensure that the Event Server has been activated.

Steps

1. Go to **Maintenance** → **Device Management**, and click **Add**.
2. Select **Event Server** as the **Type**, set the **Device Name**, enter the Event Server **IP address**, and click **Add**.



The screenshot shows a 'Manual Addition' dialog box with the following fields and values:

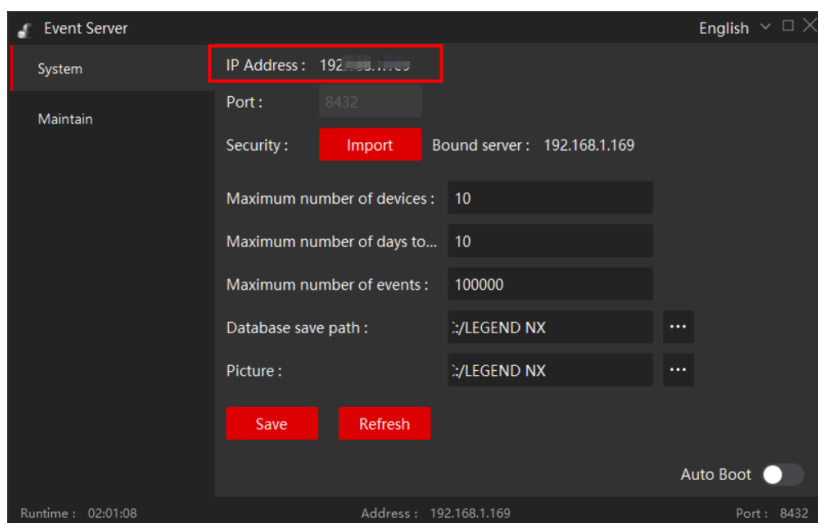
- Mode: IP/Domain, Cloud ID
- Type: Event Server
- Device Name: Event
- Address: 192.168.1.169
- Port: 8432
- Device Protocol: LGNXAB

At the bottom, there are three buttons: 'Add/Continue', 'Add', and 'Cancel'.

Figure 6-2 Add Event Server

Note

Check the Event Server IP address in the Event Server Service.



The screenshot shows the 'Event Server' configuration page with the following details:

- System: IP Address : 192.168.1.169
- Maintain: Port : 8432
- Security: **Import** Bound server : 192.168.1.169
- Maximum number of devices : 10
- Maximum number of days to... : 10
- Maximum number of events : 100000
- Database save path : ;/LEGEND NX
- Picture : ;/LEGEND NX
- Buttons: **Save**, **Refresh**
- Auto Boot:
- Runtime : 02:01:08
- Address : 192.168.1.169
- Port : 8432

3. After adding, the Event Server will appear in the device list with the status **Online**.

<input type="checkbox"/>	Device Name	Mode	Type	Model	Address	Port	CloudID	Status(3)	Operation	Upgrade
<input type="checkbox"/>	Event	IP/Domain	Event Server		192.168.1.10	8432		Online		N/A

Figure 6-3 After Added

6.1.3 Assign Event Server for Devices

Before You Start

Ensure that the Event Server has been added to the device list and is **Online**.

Steps

1. Go to **Maintenance** → **Alarm Configuration** → **Event Server**, and select the device.

Alarm Configuration		Event Server	Event	<input checked="" type="checkbox"/> Assign	<input type="checkbox"/> Clear	Total (4/4)	Filter			
<input type="checkbox"/>	Event Server	<input type="checkbox"/>	Event Server	Device Name	Type	Address	Port	CloudID	Status	Operation
<input checked="" type="checkbox"/>	Event	<input checked="" type="checkbox"/>	Event	192.168.1.10	IPC	192.168.1.10	34567	tdks7wpat9qr	Online	
<input type="checkbox"/>	Unallocated	<input type="checkbox"/>	Unallocated	192.168.1.144	IPC	192.168.1.144	34567	tdksbiaqkuf0	Online	
<input type="checkbox"/>	Unallocated	<input type="checkbox"/>	Unallocated	192.168.1.226	IPC	192.168.1.226	34567	TTksayrdssaj	Offline	
<input type="checkbox"/>	Unallocated	<input type="checkbox"/>	Unallocated	192.168.1.236	NVR	192.168.1.236	34567	tdks6w8cdsej	Online	

Figure 6-4 Select the Device

2. Click **Assign**. The Event Server will be assigned to the device.

Event Server		Event	<input checked="" type="checkbox"/> Assign	<input type="checkbox"/> Clear
<input checked="" type="checkbox"/>	Event Server	Device Name	Type	Address
<input checked="" type="checkbox"/>	Event	192.168.1.10	IPC	192.168.1.10

Figure 6-5 Assign

3. After the Event Server is assigned, the client can receive events when a device alarm is triggered.

6.1.4 Event Notification Configuration

You can configure the device event processing on the VMS.

Steps

1. Go to **Maintenance** → **Alarm Configuration** → **Alarm Configuration**.
2. Select the channels you want to configure.
3. Select the **Event Type** (e.g., Video Loss, Video Shelter, Blurred Detection) to configure.
4. Click **Config**, then set the **Urgent Type** and the desired **Actions**. Click **Apply**.

Urgent Type: Normal, Important, or Urgent. This setting determines how the event is displayed in notifications.

Alarm: Plays an alarm sound on the PC when an event notification is received.

Send Email: Sends the event notification to the configured email recipients.

E-map: Flashes the corresponding image on the E-map when an event occurs.

Action Task Channel: When an alarm event occurs, the client will display the selected action task channel window on the computer.

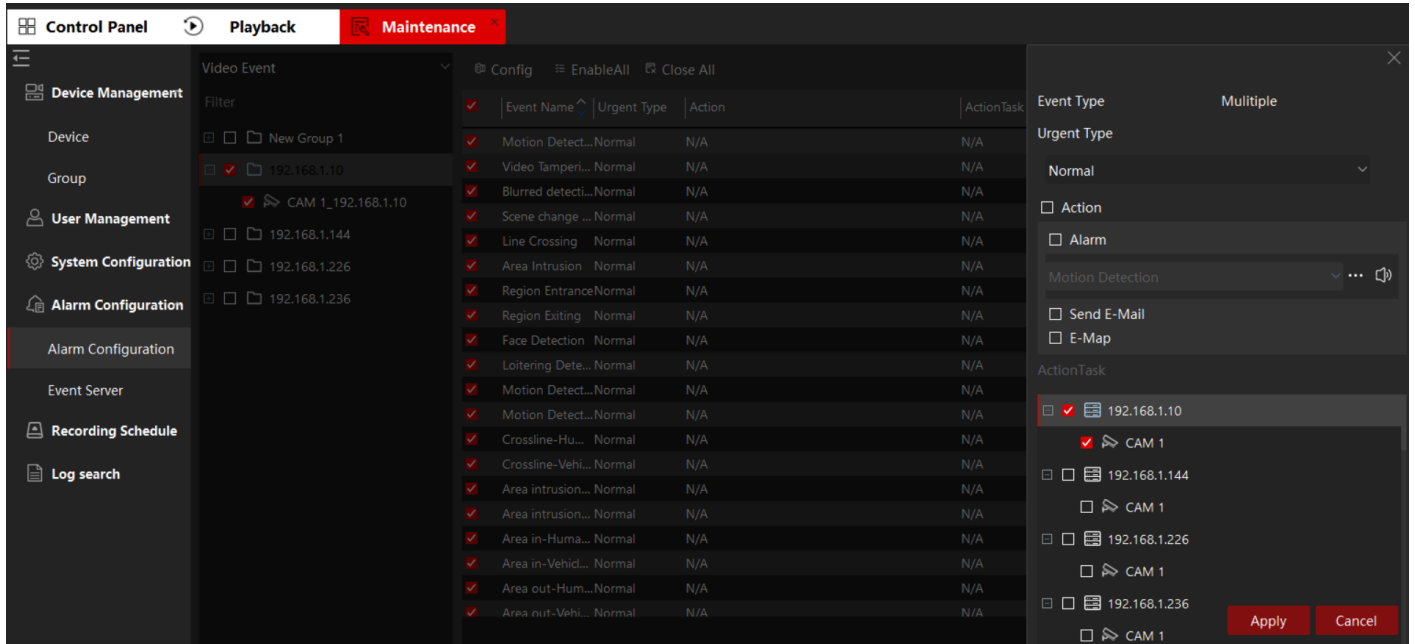


Figure 6-6 Event Notification Configure

5. Enable the event type for which you want to receive notifications.
6. Click **Save**.

6.2 Alarm Center

6.2.1 Event Notification Quick Bar Introduction

When an event notification occurs, it will be displayed in the Quick Bar at the bottom of the client.

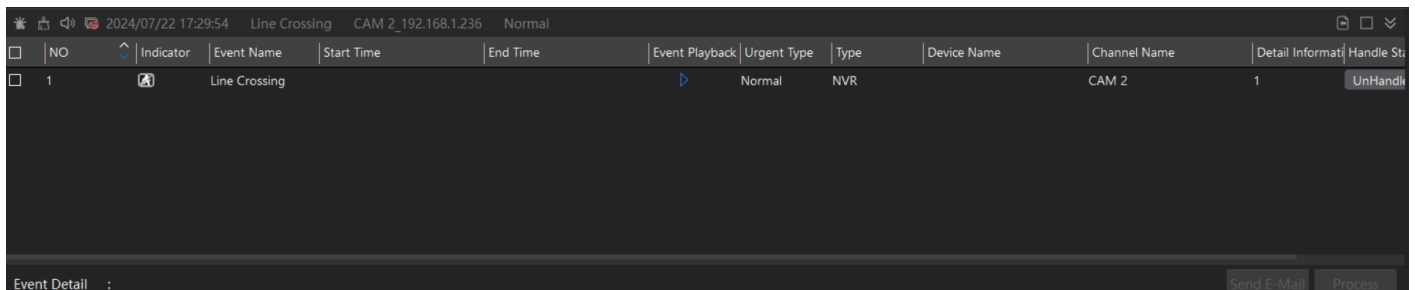










Figure 6-7 Alarm Center

Table 6-1 Alarm Center Toolbar

Button	Description
	When an alarm occurs, the icon will flash.
	Click to clear all alarm events in the list.
	Enable/disable PC alarm audio.
	Enable/disable pop-up windows.
	Lock the notification window.
	Go to Alarm Center.
	Return to the bar.
	Expand the notification bar.

6.2.2 Check Real-time Event

If the Device Event Server is configured and device alarm detection is enabled, event information will be displayed in real time in the **Alarm Center** → **Realtime Event** list when an alarm occurs. This interface supports viewing event images, playback of event videos, and preview of event channels.

Perform this task when you need to check real-time events.

Steps

1. Go to **Control Panel** → **Alarm Center** → **Realtime Event**.
2. When an event occurs, the event list will display detailed information in real time.

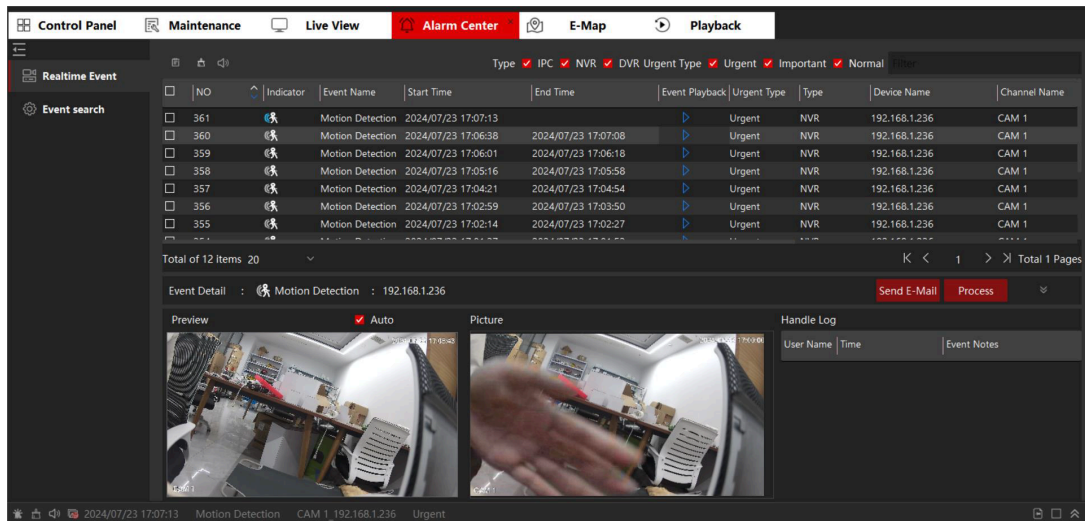




Figure 6-8 Check Real-time Event

3. **Optional:** Click **Play**  to play back the event video. Click **Note**  to add notes to the event.
4. **Optional:** Select the **Event Type** to filter and display specific events in the real-time event list.

6.2.3 Search Event

This function allows you to search for events from the Event Server.
Perform this task when you need to search for device event notifications.

Steps:

1. Go to **Control Panel** → **Alarm Center** → **Event Search**.
2. Set the **time**, select the camera, and choose the **Urgent Type**.
3. Click **Search**.
4. **Optional:** Click an event to view the event image and detailed information.

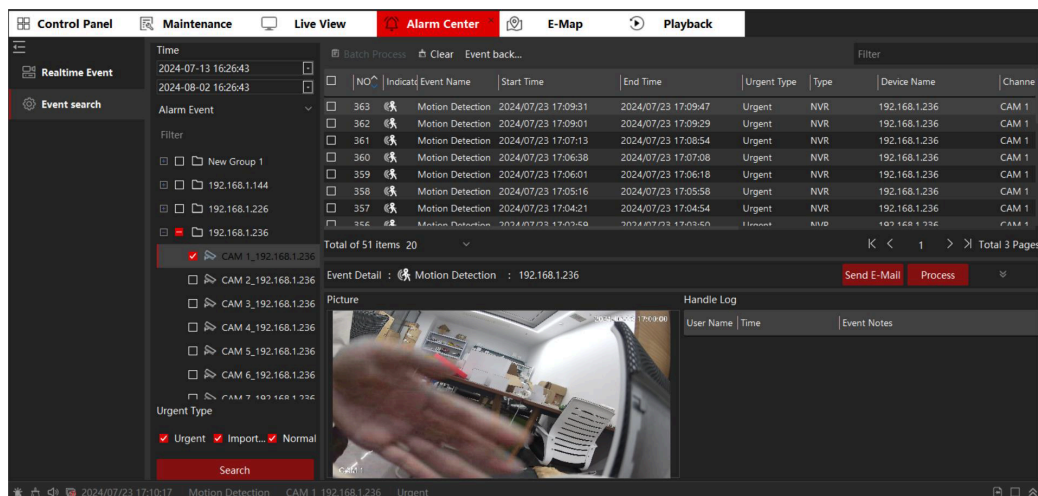


Figure 6-9 Search Event

7. User Management

The system supports managing user accounts and permissions.

7.1 Modify Password

Steps

1. Go to **Maintenance** → **User Management**, and select the account name.

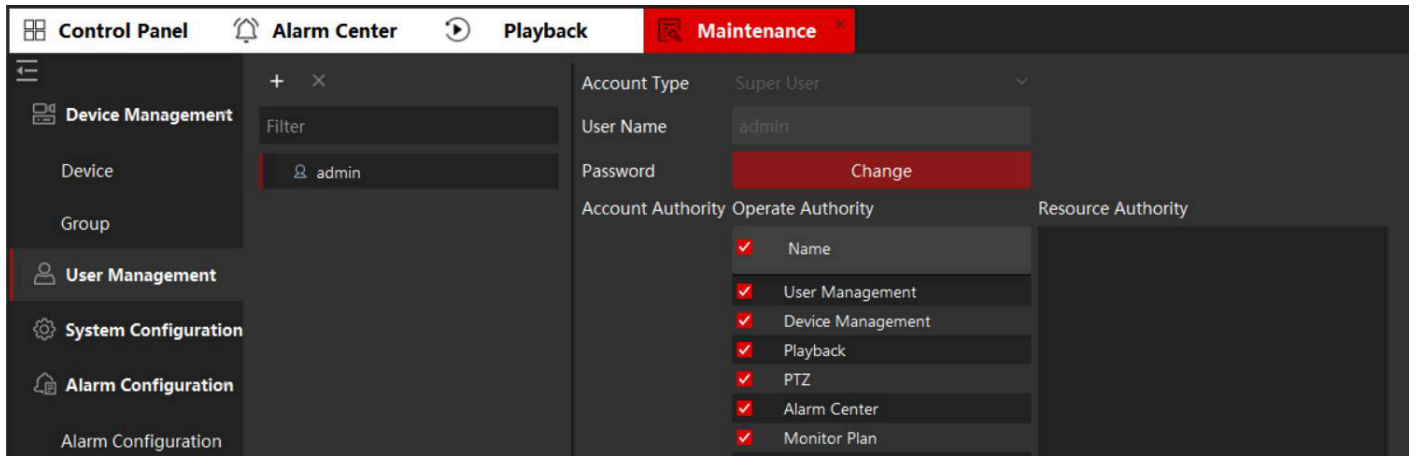


Figure 7-1 User Management

2. Click **Change** to modify the administrator account password.

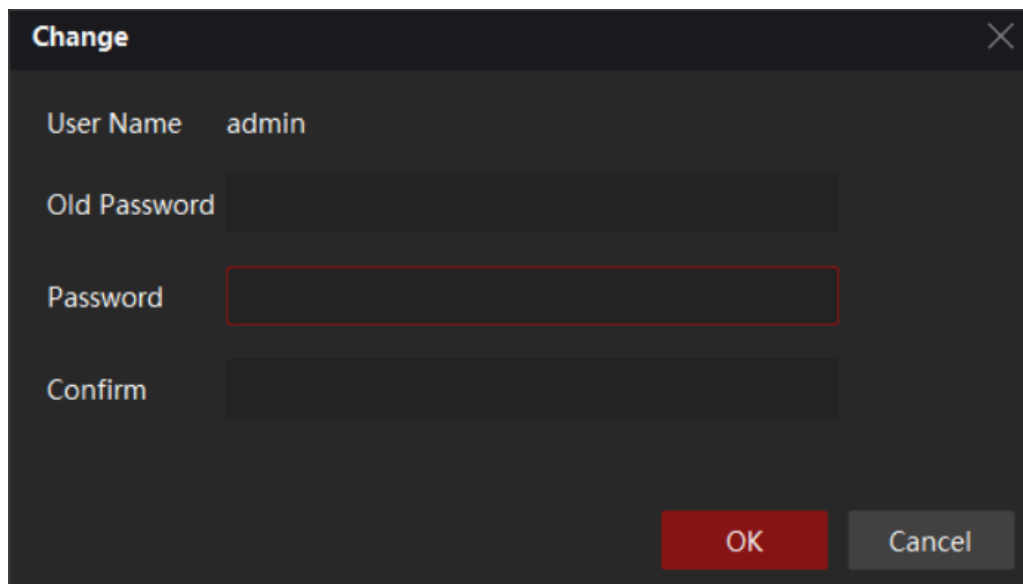


Figure 7-2 Change

3. Enter the correct old password and set a new password.
4. Click **OK**.

7.2 Create Account and Authority Control

Steps

1. Go to **Maintenance** → **User Management**.
2. Click **+** to create a new account. Select the account type (Administrator/Operator), set the password, and configure the **Operate Authority** and **Resource Authority**.

Note

Resource Authority: Allows you to select devices/cameras and assign permissions.

3. Click **Save** to complete account creation.

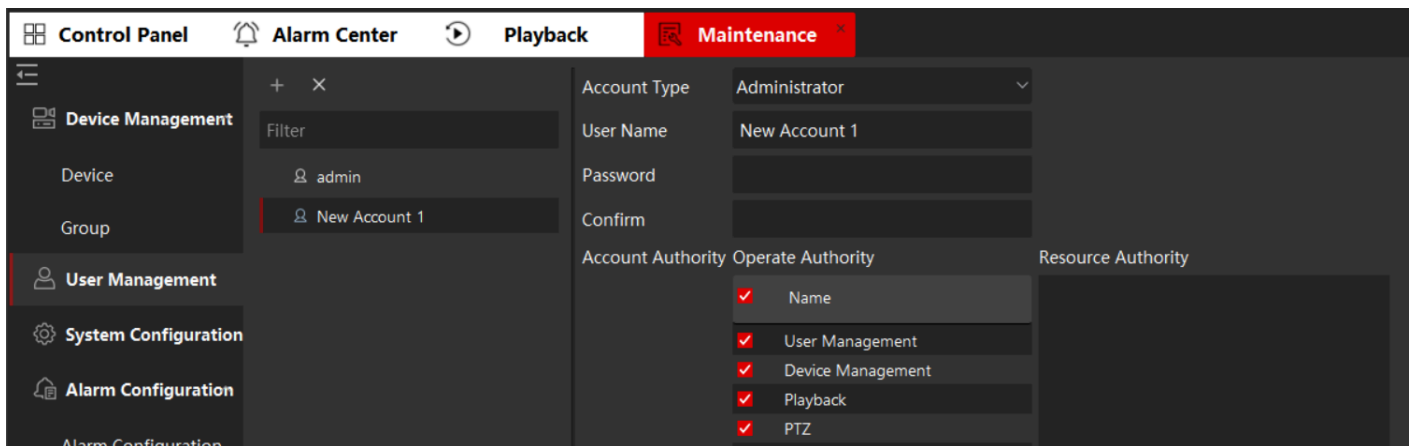


Figure 7-3 Create Account and Authority Control

8. System Configuration

8.1 Set Basic Parameters

Steps

1. Go to **Maintenance** → **System Configuration** → **Base**.

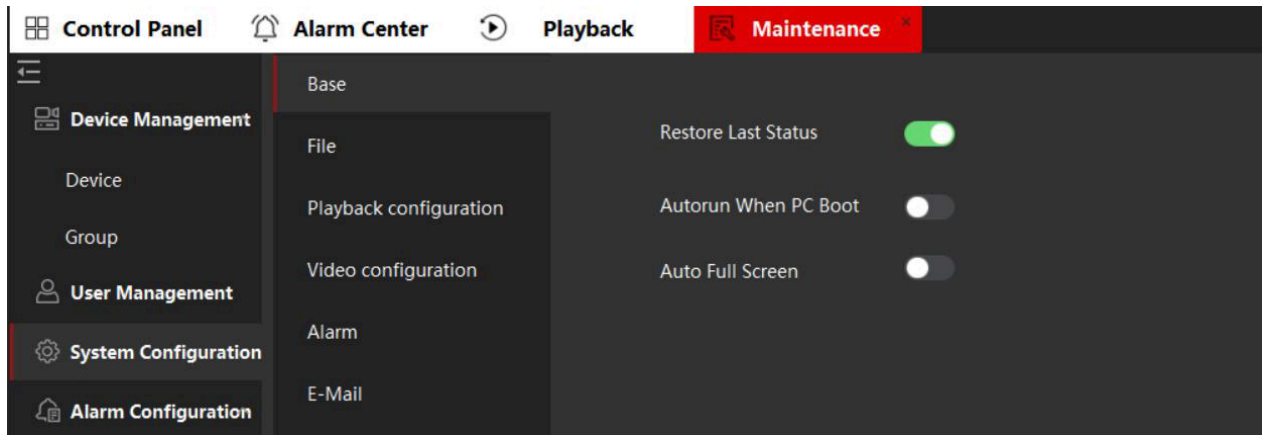


Figure 8-1 Base

2. Configure the basic parameters.

Restore Last Status: When enabled, the VMS restores the client’s last status (e.g., preview layout and windows).

Autorun When PC Boots: When enabled, the VMS starts automatically when the PC boots.

Auto Full Screen: When enabled, the VMS automatically opens in full-screen preview mode when launched.

3. Click **Save**.

8.2 Set File Parameters

Steps

1. Go to **Maintenance** → **System Configuration** → **File**.

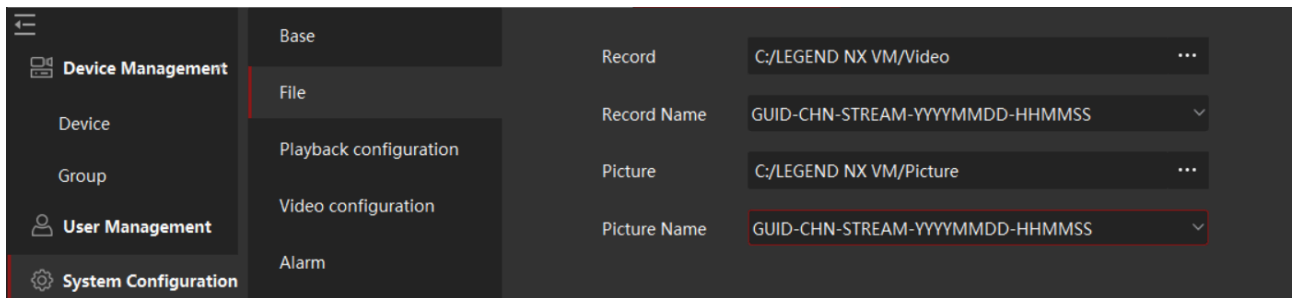


Figure 8-2 File

2. You can modify the storage path for manual recording and snapshot files.
3. The file naming format and its description are displayed for reference.
4. Click **Save**.

8.3 Set Playback Source

Steps

1. Go to **Maintenance** → **System Configuration** → **Playback Configuration**.
You can select the default playback mode: **Device** or **Storage Server**.

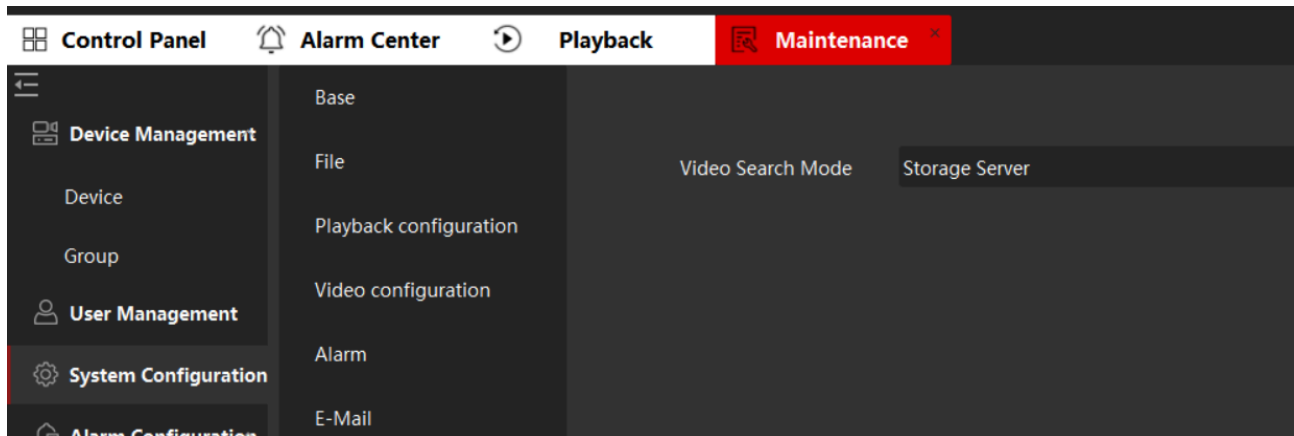


Figure 8-3 Playback Configuration

2. Click **Save**.

8.4 Set Video Parameters

Steps

1. Go to **Maintenance** → **System Configuration** → **Video Configuration**.

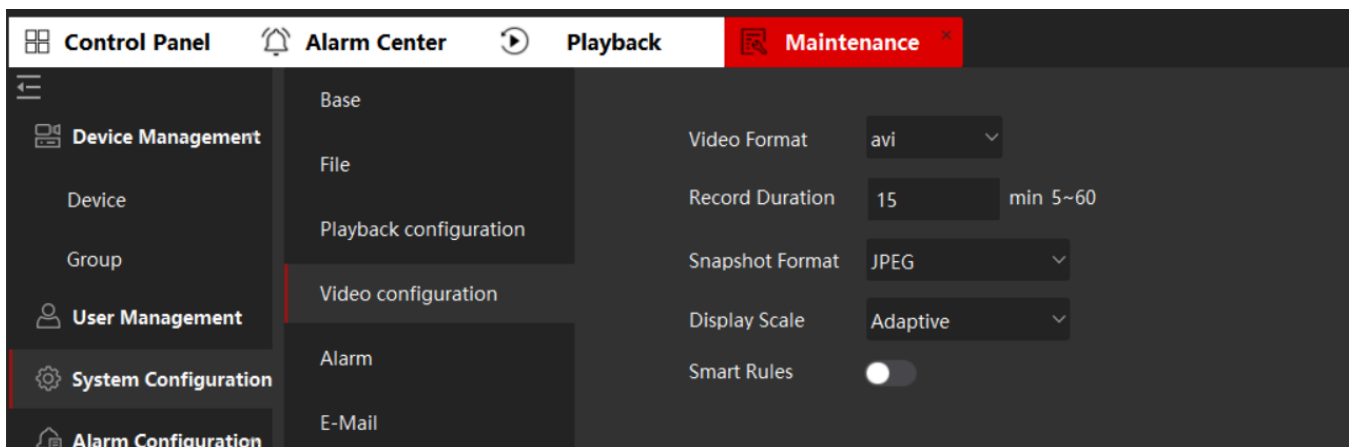


Figure 8-4 Video Configuration

2. Configure the video parameters.

Video Format: Select the video download format (dav, mp4, or avi).

Record Duration: Default is 15 minutes; adjustable from 5 to 60 minutes.

Snapshot Format: Select the snapshot format (JPEG or BMP).

Display Scale: Set the display ratio (Adaptive, 16:9, 4:3, or 1:1).

Smart Rules: Defines the lines or regions used in smart detection and allows you to control whether these rules are displayed on the preview screen.

3. Click **Save**.

8.5 Set Alarm Audio Parameters

Steps:

1. Go to **Maintenance** → **System Configuration** → **Alarm**.
2. Select the alarm type, then click ... to choose the file path.
3. Click **Save**.

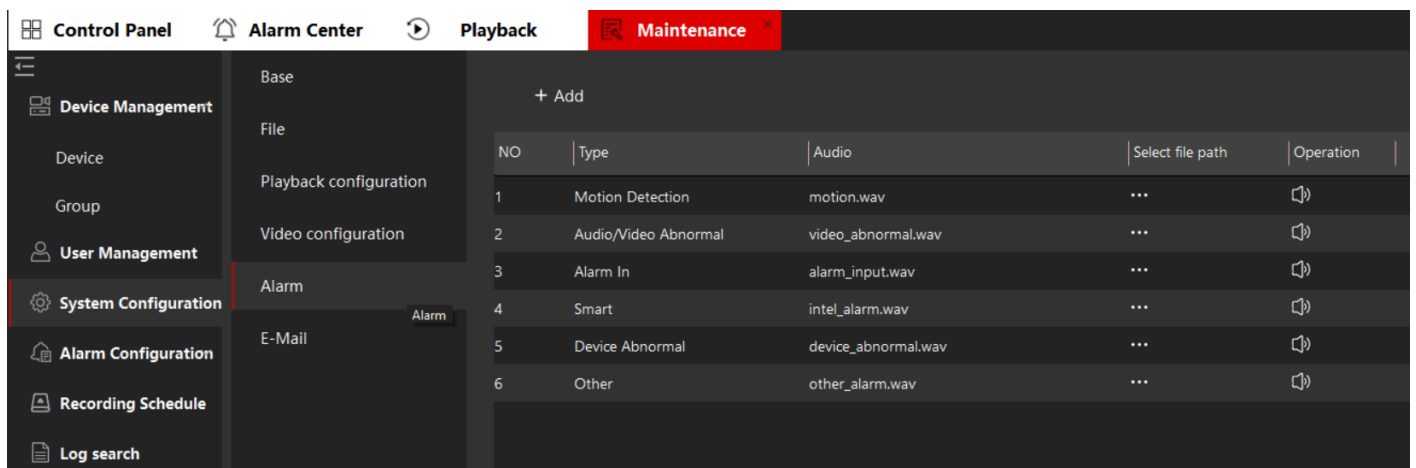


Figure 8-5 Set Alarm Audio Parameters

8.6 Set Email Parameters

When an event is triggered, if **Send Email** is configured as a linkage action for the event, the client will send a notification email to the specified recipients. You must configure the email settings and define the recipients in this section.

Steps:

1. Go to **Maintenance** → **System Configuration** → **Email**.
2. Enter the required parameters.

SMTP Server: Enter the SMTP server IP address or host name.

Encryption Type: Select **No Encryption** or **STARTTLS**.

Port: Enter the SMTP communication port (default: 25).

User Name: Enter the sender's email account if server authentication is enabled.

Password: Enter the sender's email password if server authentication is enabled.

Receiver 1 to 3: Enter the recipients' email addresses (up to three recipients).

3. **Optional:** Click **Send Test Mail** to send a test email to the specified recipient.
4. Click **Save**.

9. Log Search

Two types of logs are available: **operation logs** and **system logs**.

Operation logs record user actions performed in the client, such as adding devices, resetting passwords, and starting live view. System logs record system events such as login, logout, locking, and unlocking. You can search log files and view detailed information, including time and user.

Steps:

1. Go to **Maintenance** → **Log Search**.
2. Select the time period and **Log Type**.
3. Click **Search** to query the logs.
4. **Optional:** Select the logs and click **Backup**.
5. Select the logs and click **Clear** to delete them.

User Name	Time	Type	Module	Operation	Type	Device Name	Group Name	Channel type	Channel Name
admin	2024/07/22 17:36:59	Operation Log	Recording Sch...	Add					CAM 2_192.1...
admin	2024/07/22 17:29:04	Operation Log	Device Manag...	Modify	NVR	192.168.1.236			
admin	2024/07/22 17:29:04	Operation Log	Device Manag...	Modify	IPC	192.168.1.226			
admin	2024/07/22 17:29:04	Operation Log	Device Manag...	Modify	IPC	192.168.1.144			
admin	2024/07/22 17:29:04	Operation Log	Device Manag...	Modify	IPC	192.168.1.10			
admin	2024/07/22 16:34:33	Operation Log	Device Manag...	Modify	IPC	192.168.1.10			
admin	2024/07/22 16:33:22	Operation Log	Device Manag...	Modify	QVE	Event			
admin	2024/07/22 16:12:46	Operation Log	Recording Sch...	Add					CAM 1_192.1...
admin	2024/07/22 16:11:56	Operation Log	Device Manag...	Add	NVR	192.168.1.236			
admin	2024/07/22 16:10:04	Operation Log	Device Manag...	Delete	NVR	192.168.1.232			
admin	2024/07/22 16:10:02	Operation Log	Monitor Plan	Modify					
admin	2024/07/22 16:10:02	Operation Log	Monitor Plan	Modify					
admin	2024/07/22 16:10:02	Operation Log	Monitor Plan	Modify					
admin	2024/07/22 16:10:02	Operation Log	Monitor Plan	Modify					
admin	2024/07/22 16:10:02	Operation Log	Monitor Plan	Modify					
admin	2024/07/22 16:10:02	Operation Log	Monitor Plan	Modify					
admin	2024/07/22 16:10:02	Operation Log	Monitor Plan	Modify					
admin	2024/07/22 16:10:02	Operation Log	Monitor Plan	Modify					
System	2024/07/22 16:10:02	Operation Log	Group	Delete					test

Figure 9-1 Log Search

10. E-Map

Supports adding an image as a map and placing cameras on the map for easy device monitoring and control.

10.1 Add E-Map

Steps

1. Go to **Control Panel** → **E-Map**.
2. Select the group in which you want to add a map.
3. Click **Add Map**, and set the map **Name**.

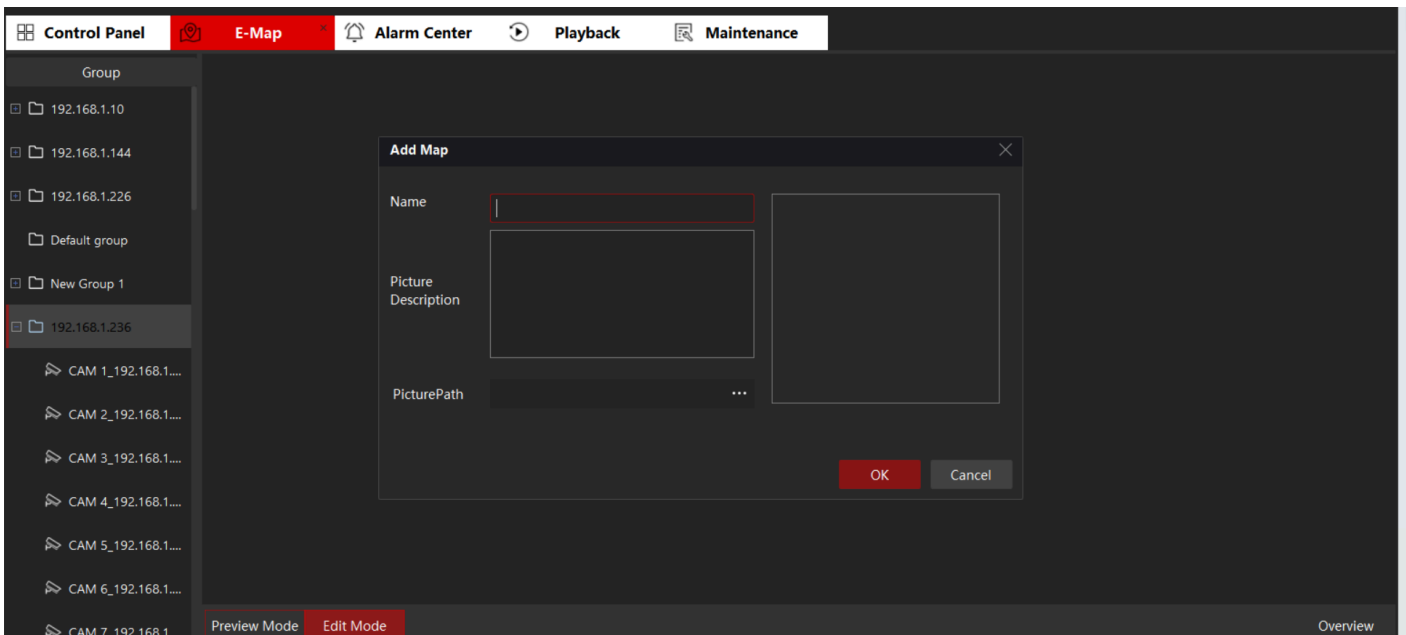


Figure 10-1 Add E-Map

4. Click the **...** icon to select an image as the E-Map, then click **OK**.
5. Click **Edit Mode**, and select cameras from the device list.
6. Drag the cameras to the desired positions on the E-Map.
7. Click **Save**.

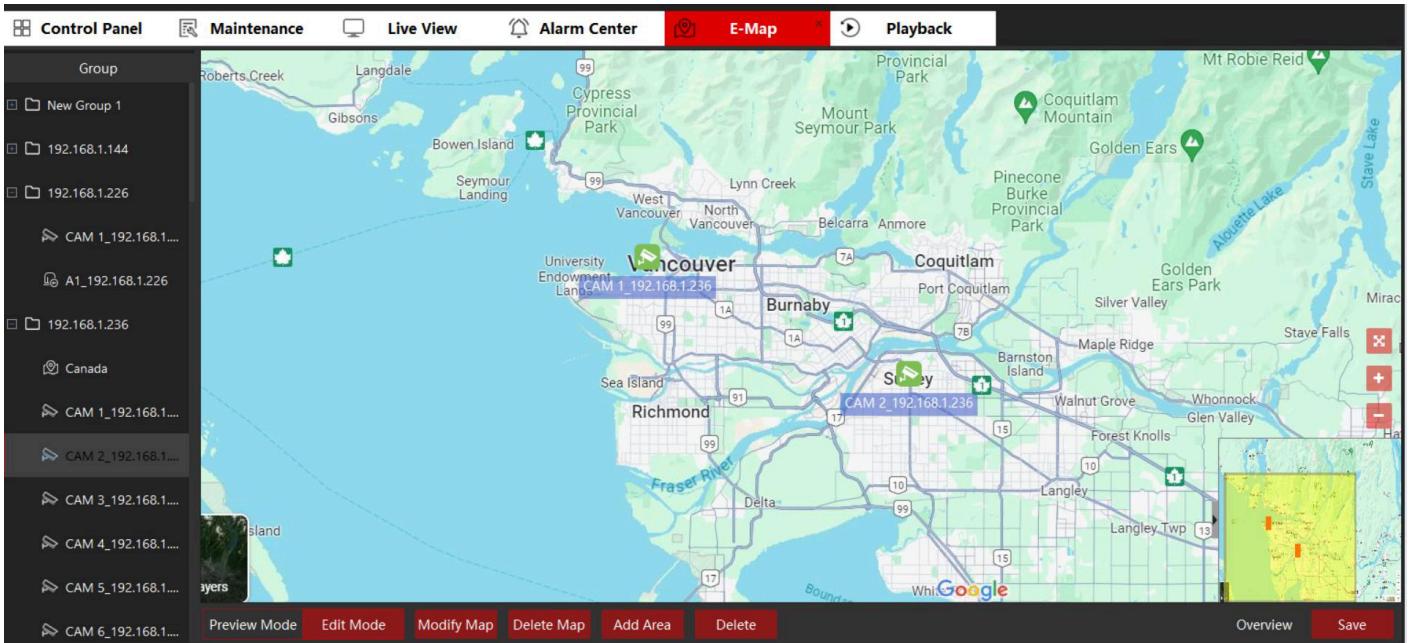



Figure 10-2 Completing the Setup

- Click the channel  icon on the E-Map. The channel's live view will be displayed in a window.

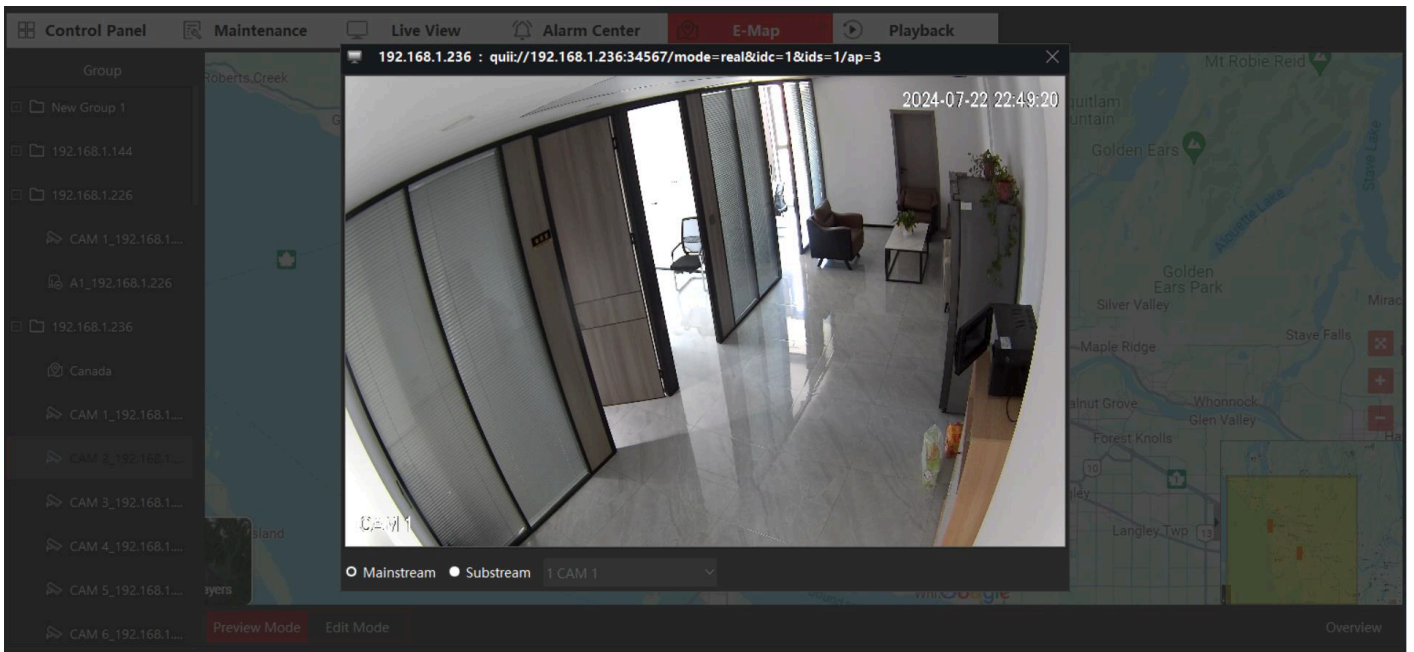


Figure 10-3 Live View on E-Map

10.2 Hot Area

The hot area function links one map to another. When a map is added to another map as a hot area, a link icon to the added map is displayed on the main map. The added map is referred to as the **child map**, while the map to which the hot area is added is the **parent map**.

After linking a child map to a parent map, a hot area icon appears on the parent map. You can click it to enter the child map and view its resources.

Using hot areas, E-Maps can be organized hierarchically, allowing navigation from broader views to more detailed views (for example, from floor level to room level).

10.2.1 Add Hot Area

You can add one map to another as a hot area. A link icon to the added map will appear on the main map. The added map is the **child map**, and the original map is the **parent map**.

Before you start

At least two maps must be created. Refer to **10.1 Add E-Map** for details.

Steps

1. Open the **E-Map** page.
2. Click **Edit Mode** at the bottom to enter map editing mode.
3. Select an existing map as the parent map.
4. Click **Add Area** to open the selection window.

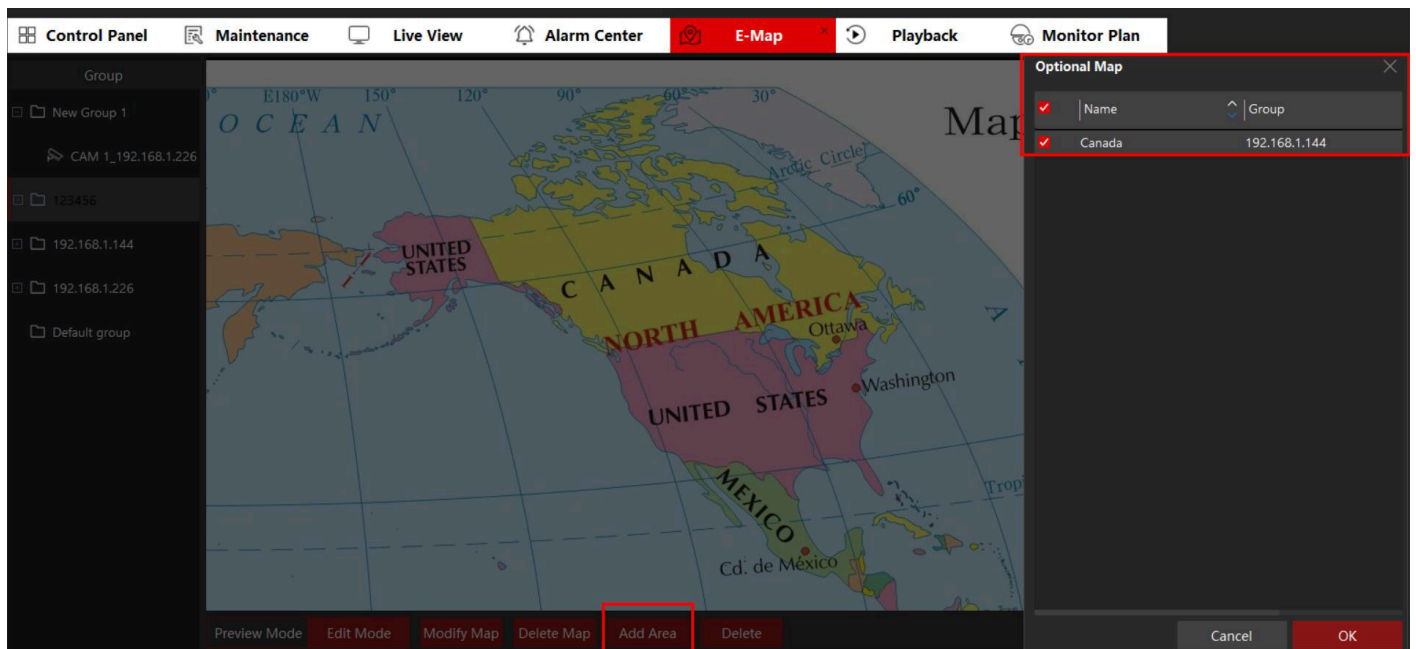





Figure 10-4 Add Hot Area

5. Select the child map from the optional map list.
6. Click **OK**.
7. The child map icon  will be added to the parent map as a hot area.

10.2.2 Preview Hot Area

After adding a hot area, you can click the hot area icon  on the parent map to open the linked child map. You can then view resources and alarms on the child map.

Steps

1. Open the **E-Map** page.
2. Click the hot area icon  on the parent map to enter the linked child map.
3. View the resources on the child map. If an alarm is triggered on the child map, you can view the alarm details.
4. **Optional:** Click **Back to last map** in the upper-left corner to return to the parent map.

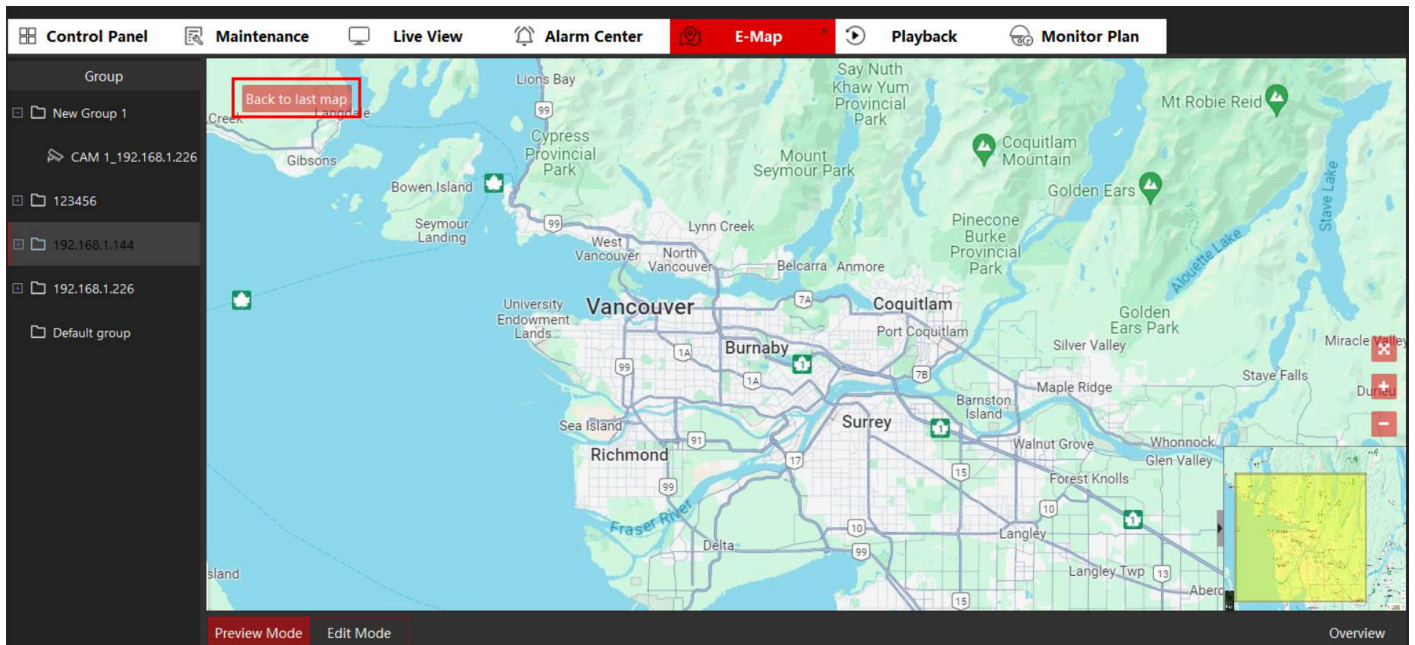


Figure 10-5 Back to Last Map

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About This Manual

This manual provides instructions for the installation, configuration, operation, and maintenance of the product.

All images, diagrams, and illustrations in this manual are provided for reference purposes only and may differ from the actual product. The information contained herein is subject to change without prior notice due to firmware updates or product improvements. For the latest version of this manual, please visit the official Inaxsys website.

This manual is intended for use by qualified professionals. Installation and servicing should be performed by trained personnel only.

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- development or production of weapons of mass destruction
- chemical or biological weapons activities
- unsafe nuclear activities or nuclear fuel cycle misuse
- activities that violate human rights

In the event of any conflict between this manual and applicable law, the applicable law shall prevail.

FCC Information

Please note that any changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate this equipment.

FCC Compliance

This equipment has been tested and found to comply with the limits for a **Class A 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 the receiver.
- Connect the equipment to 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.

Safety Instructions

- Proper configuration of all passwords and security settings is the responsibility of the installer and/or end user.
- In the use of this product, you must comply with all applicable electrical safety regulations for your country and region.
- Firmly connect the power plug to the outlet. Do not connect multiple devices to a single power adapter.
Always power off the device before connecting or disconnecting accessories and peripherals.
- **Danger:** Shock hazard. Disconnect all power sources before performing maintenance.
- The equipment must be connected to a properly grounded (earthed) mains outlet.
- The socket outlet should be installed near the equipment and remain easily accessible.
- ⚡ Indicates hazardous live voltage. External wiring connected to terminals must be installed by a qualified person.
- **Warning:** Do not install the equipment in an unstable location. The device may fall, causing serious injury or death.
- The input voltage must comply with **SELV (Safety Extra Low Voltage)** and **LPS (Limited Power Source)** requirements in accordance with **IEC 62368**.
- High leakage current. Ensure proper grounding before connecting to the power supply.
- If smoke, unusual odor, or abnormal noise is detected, immediately power off the device, unplug it, and contact technical support.
- For optimal performance, use the device with a UPS (Uninterruptible Power Supply) and manufacturer-recommended hard drives.
- This product contains a coin/button cell battery. If swallowed, it can cause severe internal burns within two hours and may result in death.
- This equipment is not suitable for use in locations where children are likely to be present.
- Risk of explosion if the battery is replaced with an incorrect type.
- Improper battery replacement may disable safety protections (especially for certain lithium battery types).
- Do not dispose of the battery in a fire or a hot oven. Do not crush, puncture, or cut the battery, as this may result in explosion.
- Do not expose the battery to extremely high temperatures, which may result in explosion or leakage of flammable substances.
- Do not expose the battery to extremely low air pressure, which may result in explosion or leakage of flammable substances.
- Dispose of used batteries in accordance with local regulations.
- Keep body parts away from moving components such as fan blades and motors. Disconnect the power source before servicing.

Preventive and Safety Guidelines

Before installing and operating this device, please review the following guidelines:

- This device is designed for **indoor use only**. Install it in a well-ventilated, dust-free environment away from liquids.
- Ensure the recorder is securely mounted on a rack or stable surface. Dropping or subjecting the unit to strong impacts may damage internal components.

- Do not expose the equipment to dripping or splashing liquids. Do not place objects filled with liquids (such as vases) on top of the device.
- Do not place open flame sources (such as lit candles) on or near the equipment.
- Do not obstruct ventilation openings. Avoid covering the device with materials such as newspapers, cloths, or curtains.
Do not place the device on soft surfaces such as beds, sofas, or rugs that may block airflow.
- Maintain a minimum clearance of **200 mm (7.87 inches)** around the device to ensure proper ventilation.
- For applicable models, ensure correct wiring of terminals when connecting to an AC mains power supply.
- Certain models may be designed or configured for connection to an IT power distribution system. Verify compatibility before installation.
- The battery symbol indicates the battery holder and the correct polarity/positioning of the cell(s).
- The “+” and “-” symbols indicate the positive and negative terminals for direct current (DC) connections.
- Use only power supplies specified in this manual or provided by Inaxsys.
- The USB port is intended for connecting a mouse, keyboard, USB flash drive, or Wi-Fi dongle only.
- Avoid contact with sharp edges or corners of the equipment.

