VMS User Manual

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Section IIntroduction

1.1 Overview

VMS (Video Monitoring System) is a management system used to manage small-batch safety protection monitoring equipment. The VMS client can be used in conjunction with DVR, NVR, IPC, network storage equipment and alarm equipment.

The VMS features:

- Software-based password reset.
- Available for multiple users.
- Adding a single device or devices by batch and devices for different protocols.
- Remote configuration of devices
- Real-time view and playback of videos from multiple cameras.
- Sequential view of multiple devices.
- Remote playback of videos and captured images.
- Configuration of multiple alarm detections.
- Configuration of e-map for device locating at any time and for easy deployment.
- Search and export of logs.
- Face recognition.
- Human/vehicle form recognition.
- One-click import and export of information documents to/from devices.
- File management and separate view of picture and video.

1.2 VMS operation configuration

The software operation configuration includes operating system, CPU, memory, graphics card and GPU.

- Operating system: Microsoft Windows 7/8.1/10 (32/64 bit)/ Windows Sever 2008 (64 bit)
- CPU: Intel Pentium4.3.0@3.0 GHz or above
- Memory: 2 G or more

- Graphics card: RADEON X700 series
- GPU: 256 M or higher

1.3 VMS main interface

The VMS software interface is shown in Figure 1-1. For more details refer to Table 1-1.

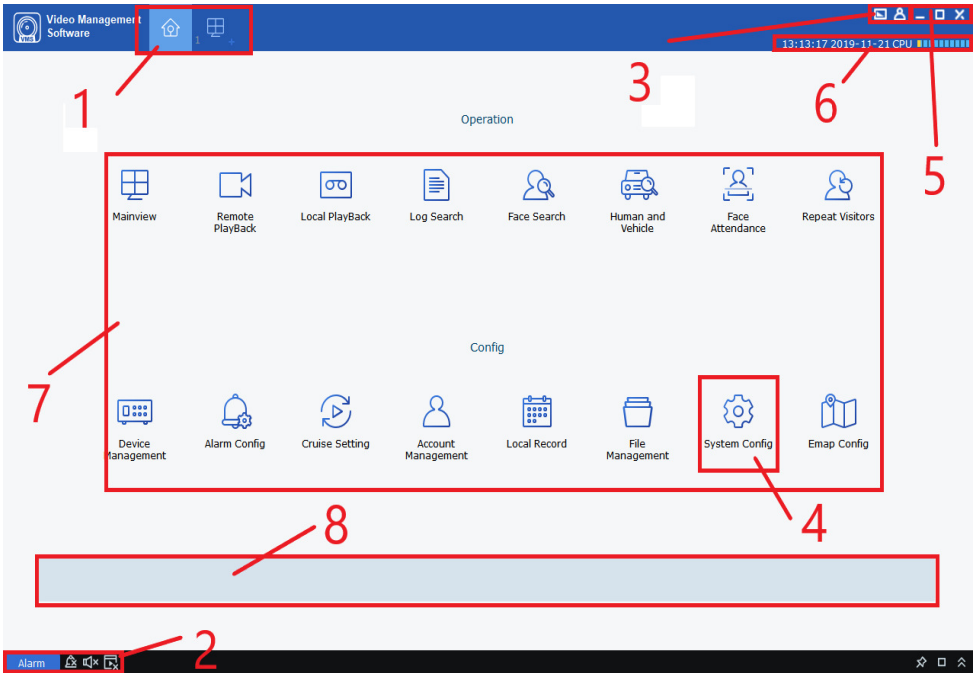


Figure 1-1 Main Interface

SN	Name	Description
1	Function tab	The "Main Window" tab and main menu are displayed in factory setting by default. Click on a desired function in the "New Function Page" interface to enter relevant function interface, and the tab name will change into the function name.
2	Event management	Click the icon or to mute the alarm or enable it audible. Click the icon or to activate or deactivate warning box. Click the icon to clear alarm message. Alarm Click the icon to view alarm information. For more details, refer to Section 14 Alarm Settings.
3	User management	Click to set resolution. Click and then choose player to pop up the player. Click and then choose to lock the screen so that the login password is required for unlocking. Click and then choose to change user. Click and then choose to display software name and version number.
4	System management	Click to enter "System Settings" interface, where you can set language, automatic login and remember password, file storage type and path and alarm sound.

5	Window management	Click to minimize the software window. Click to maximize the software window. Click to restore to the initial software window. Click to exit from the software.	
6	System state	The system state information includes current system time, and CPU and memory usage, as well as the user name and login time.	
7	Function list	The function list is divided into operation area and configuration area, which contains the functions as described below. • Mainview Preview: Access camera for real-time browsing of video. Local video recording, screen-shot, voice call, zoom-in and sequential view are available during browsing. • Remote Playback Remote playback: Video and pictures can be viewed remotely, or by different dates as chosen, and can be cut and downloaded to local destination. • Local Playback Local playback: Videos can be viewed and exported at the client. • Log Search Logs can be searched and exported at the client or remotely. • Face Search Face search and comparison • Human and Vehicle Search for human and vehicle type. • Face Attendance Face attendance: Attendance time setting for check-in/-out of staff. • Repeat Visitors Repeat Visitors: Search for all faces which meet specified conditions, summarize identity information and merge the information on visitors with the same information.	• Device Management Equipment management: Add and remove device files, and set the device remotely. • Alarm Config Alarm device: Make settings on alarm device, such as motion, IO, videoLoss, PIR, and intelligent alarm. • Cruise Setting Cruise setting: Set the channel and equipment for cruise. • Account management User management: Add and remove sub-users, and modify the sub-user's authority. • Local Record Local recording settings: Sets the path where the recording files are saved and recording schedule. • File Management Files management and search for local videos and images. • System Config System settings, where you can set language, automatic login and remember password, file storage type and path and alarm sound. • E-map config E-map configuration: Place a camera on e-map so as to quickly locate anything occurring.
8	Function tips	When the mouse hovers over a function tab, a message box will be displayed, describing the function promptly.	

Table 1-1

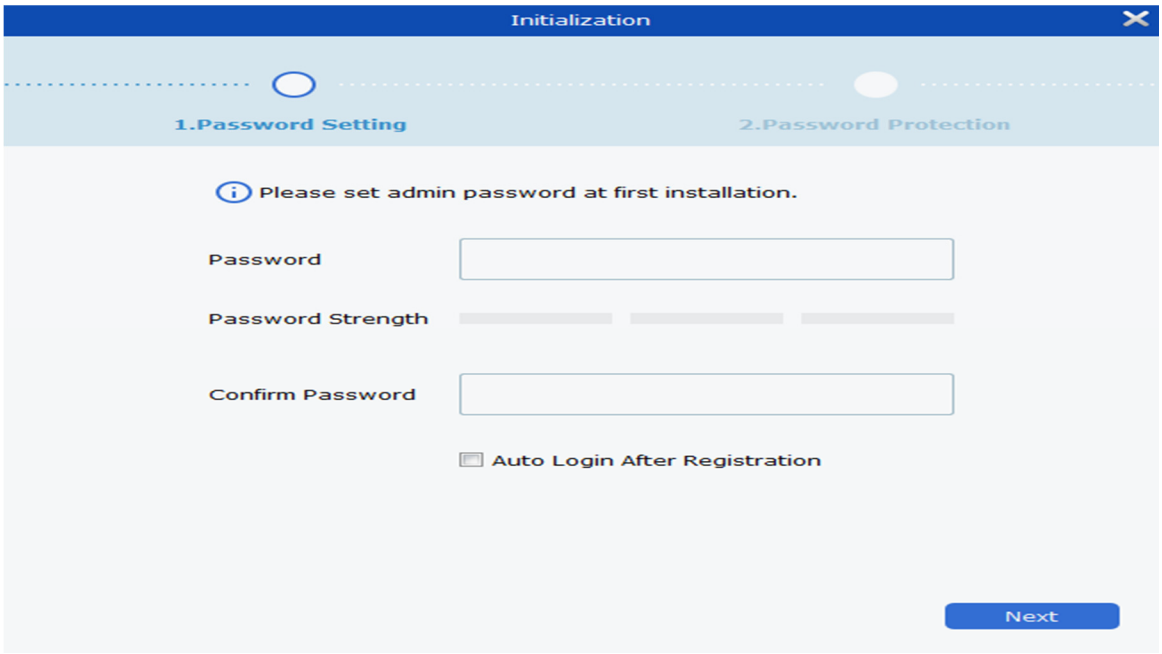
Section II Registration and Login

2.1 Register superuser

Upon initial login to VMS, you have to set a login password for admin and a question for password protection by following the prompts. The password will be used for login to the system, and the question for password protection can be used to reset the password.

Step 1: Double click on

. The "Superuser Settings" page is displayed, as shown in Figure 2-1-1.

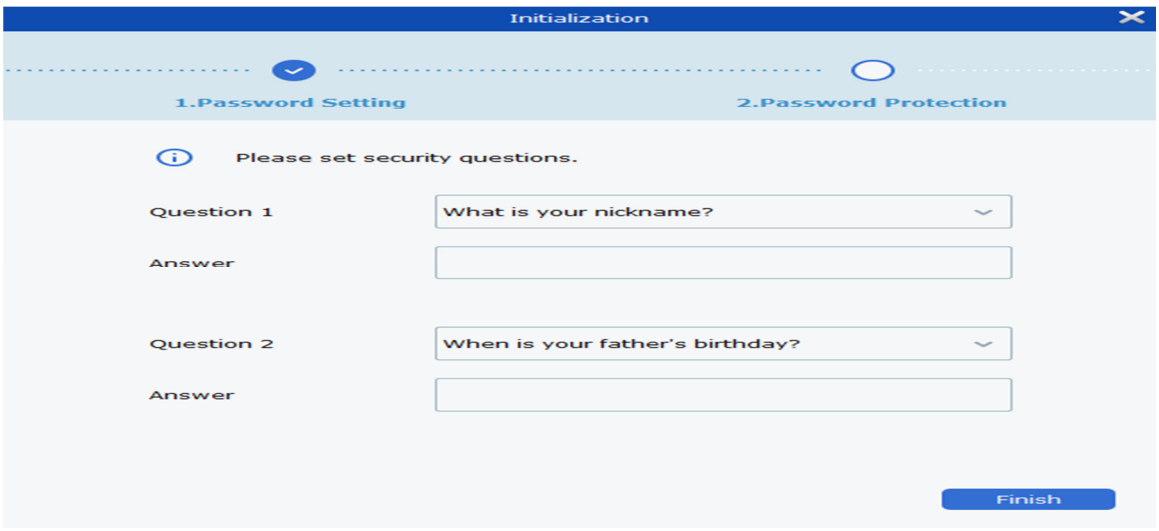


Set a password for "superuser", and the specific parameters are shown in Table 2-1.

Figure 2-1-1 Superuser Settings

Parameters	Description
Password	The password consists of 8~32 non-null characters, including uppercase, lowercase, numeric, and special characters.
Password strength	Password complexity will be reported. Red means inadequate complexity and safety, while green means adequate password strength. Please set a password with high security level based on the password strength prompt.
Password confirmation	Make sure the password typed for two times are consistent.
Automatic login after registration	If it is checked, the system will log in automatically when registration is completed. Or otherwise, the system will display the login interface.

Table 2-1 Description of Initialization Parameters



Step 2: Set the password and click Next, as shown in Figure 2-1-2.

Figure 2-1-2 Question for Password Protection

Step 3: Set a question and the answer. The question for password protection can be used to reset the password by answering the question if you forget the password.

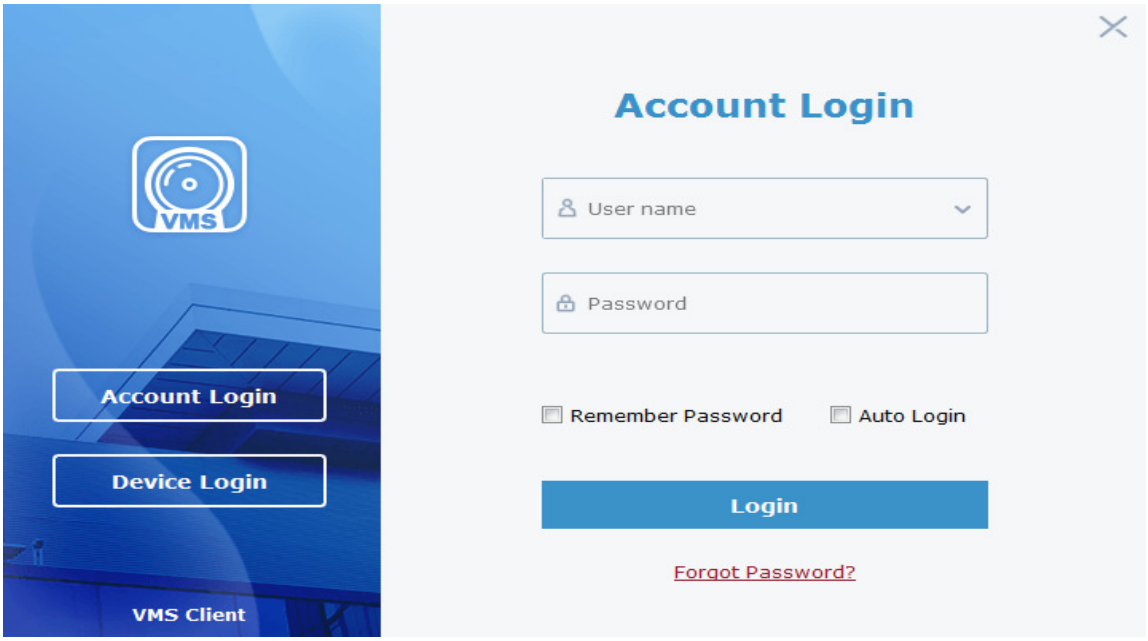
Step 4: When finishing settings, click Finish to save the configuration.

2.2 Login to VMS

(1) After the equipment is initialized, enter your account and password to login to VMS.

Step 1: Double click on

.



The system displays the login interface, as shown in Figure 2-2-1.

Figure 2-2-1 Login with Account

Step 2: Set parameters. Detailed parameters are shown in Table 2-2-1.

Table 2-2-1 Description of Login Parameters

User name	Enter your user name and related password.
Password	
Remember Password	If it is checked, the system will remember the password, and recall the password used at the last login when you log in again.
Auto Login	If it is checked, the system will remember the account and password, and login automatically next time.
Forgot Password?	If you forget your password, you can reset it by answering the password protection question. Please refer to "2.3 Reset Password" for more details.

Step 3: Click on "Login".

System displays an interface, as shown in Figure 2-2-2.

Figure 2-2-2 System Interface

(2) Login to the VMS from the device.

Step 1: Double click on

.

Step 2: After the system displays the login interface, click on "Login from Device" option on the left to switch to the Login from Device interface, as shown in Figure 2-2-3.

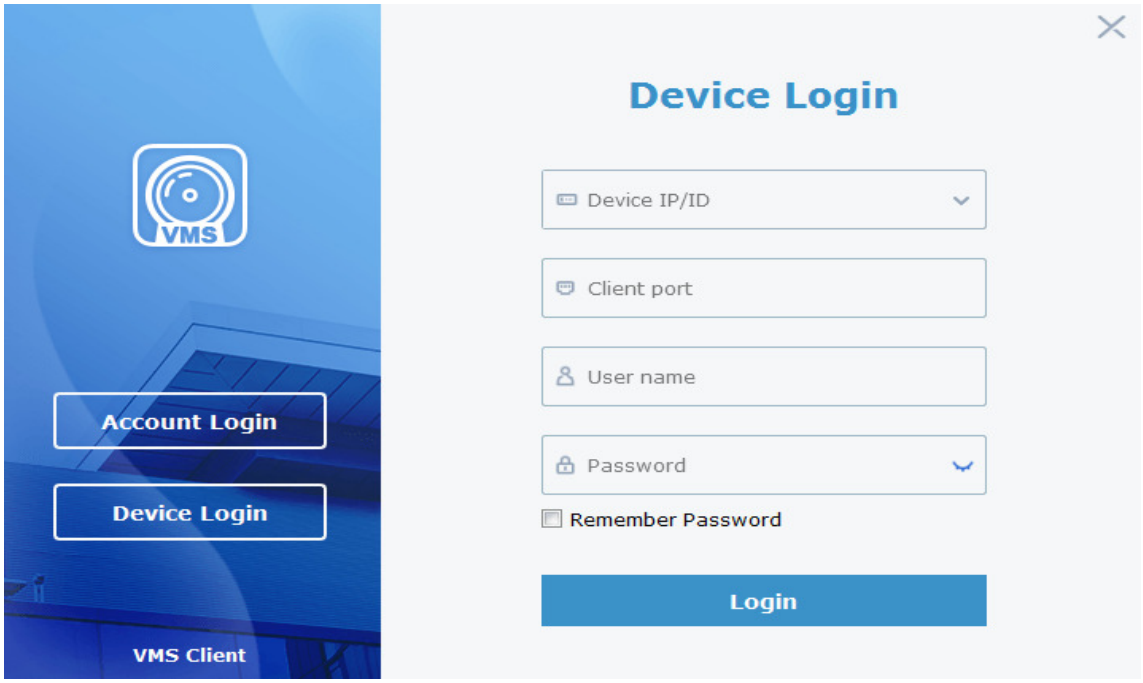


Figure 2-2-3 Login from Device Interface

Step 3: Set parameters, as detailed in Table 2-2-2.

Parameters	Description
Device IP/ID	Enter the IP/ID of the device
Client port	Input port number
User name	Enter the user name and password
Password	
Remember Password	If it is checked, the system will remember the password, and recall the password used at the last login when you log in again.

Table 2-2-2 Login Parameters

Step 4: Click on Login to login. System displays an interface, as shown in Figure 2-2-4.

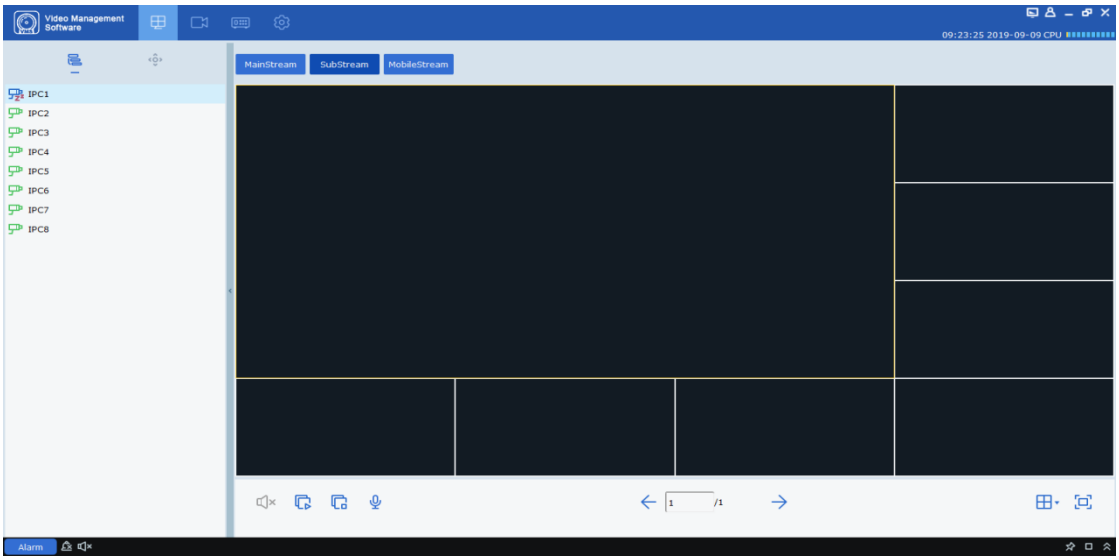


Figure 2-2-4 Device Display Interface

Notes: For more details on device login interface, refer to "Section 11 Login from Device".

2.3 Reset password

If you forget your password, you can reset it by answering the password protection question.

Step 1: Double click on

.The system displays the login interface, as shown in Figure 2-2-1 above.

St tion question in

Figure 2-3-1 Question for Password Protection

Step 3: Answer the question, and click on "Next". The system displays a password reset interface, as shown in Figure 2-3-2.

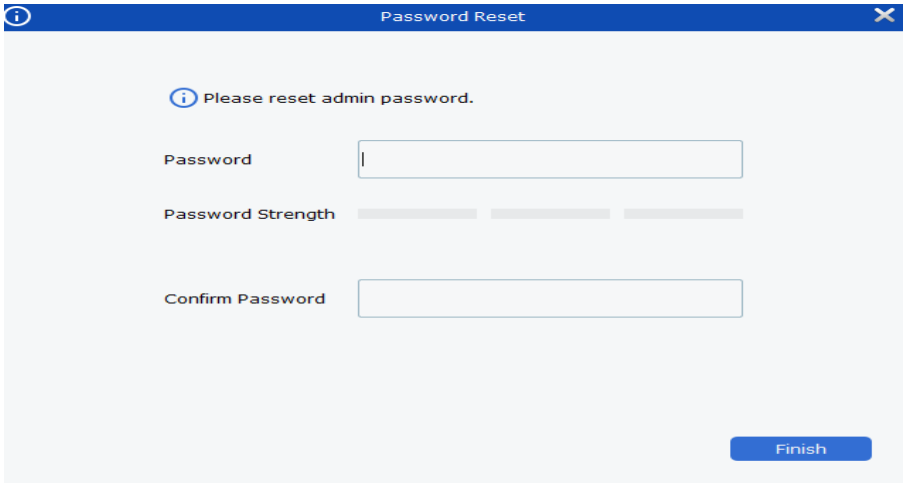


Figure 2-3-2 Password Reset

Step 4: Set the password, as detailed in Table 2-3.

Parameters	Description
Password	The password consists of 8~32 non-null characters, including uppercase, lowercase, numeric, and special characters.
Password strength	Password complexity will be reported. Red means inadequate complexity and safety, while green means adequate password strength.
Password confirmation	Make sure the password typed for two times are consistent.

Table 2-3 Description of Password Reset Parameters

Step 5: Click on "Finish" to save the configuration.

Section III Equipment management

VMS allows adding devices (such as IPC, NVR and etc.) by automatic searches or single or batch import. Once a device is added, it is possible to remotely configure and operate the device on VMS.

3.1 Add device

VMS allows adding devices by various means as appropriate based on the number of devices added or network segments.

(1) Where several devices to be added are located in one network segment, or the IP address of the device is unknown and only the network segment is known, it is recommended to add devices by searching.

Step 1: Click on the device interface to enter the main menu. Click on "Device Management" in the configuration area on the home page to display the Device Management interface, as shown in figure 3-1-1.

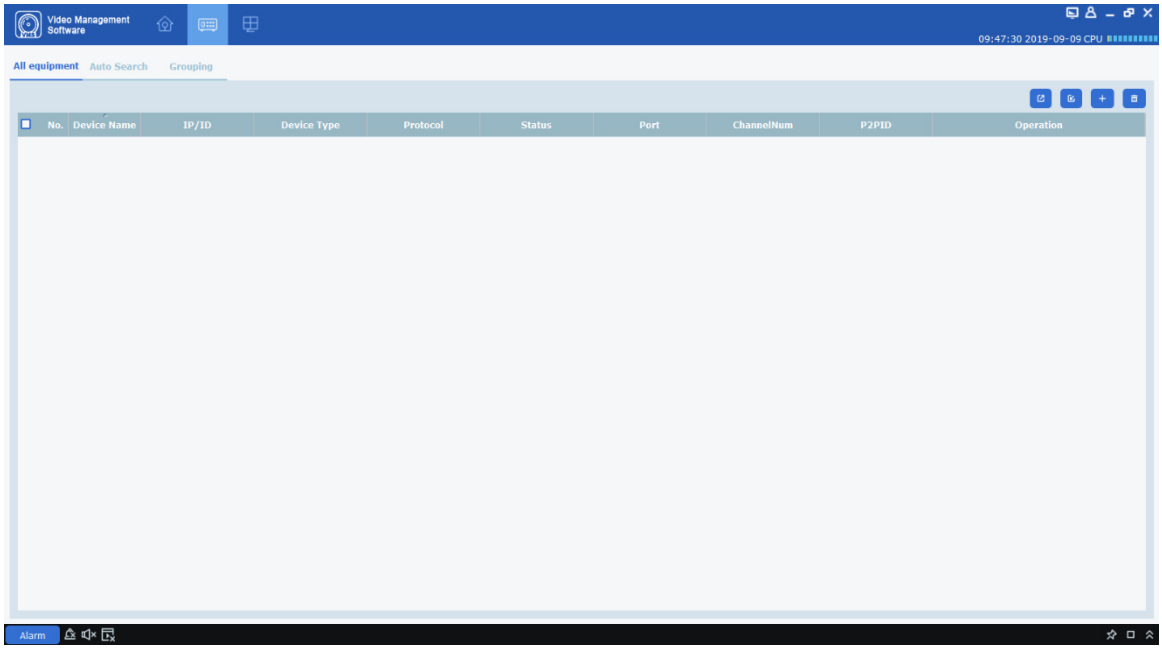


Figure 3-1-1 Device Management Interface

Step 2: Click on "Auto Search" on the device management interface to enter the "Automatic Search" interface, as shown in Figure 3-1-2.

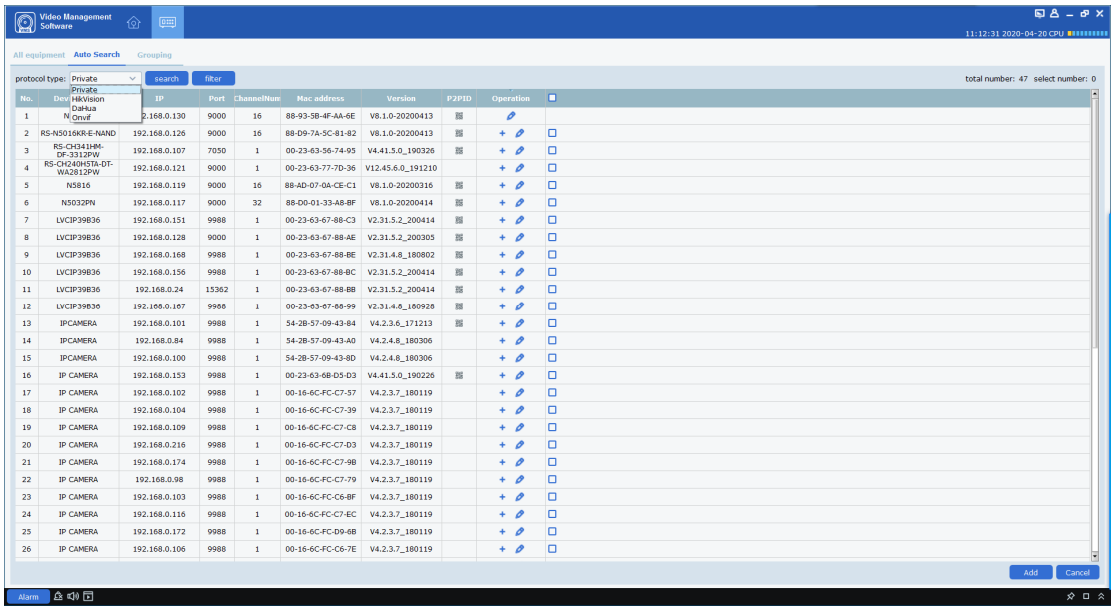


Figure 3-1-2 Automatic Search Interface

Step 3: Devices for up to four types of protocol (Private, HikVision, DaHua, Onvif under option "Protocol type") can be added by choosing the target device and clicking on + icon, or by checking one or more devices and then clicking on " Add " at the lower right corner. The system will pop up a dialog box, as shown in figure 3-1-3. .

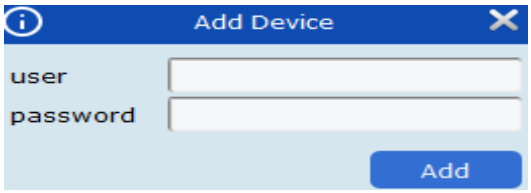
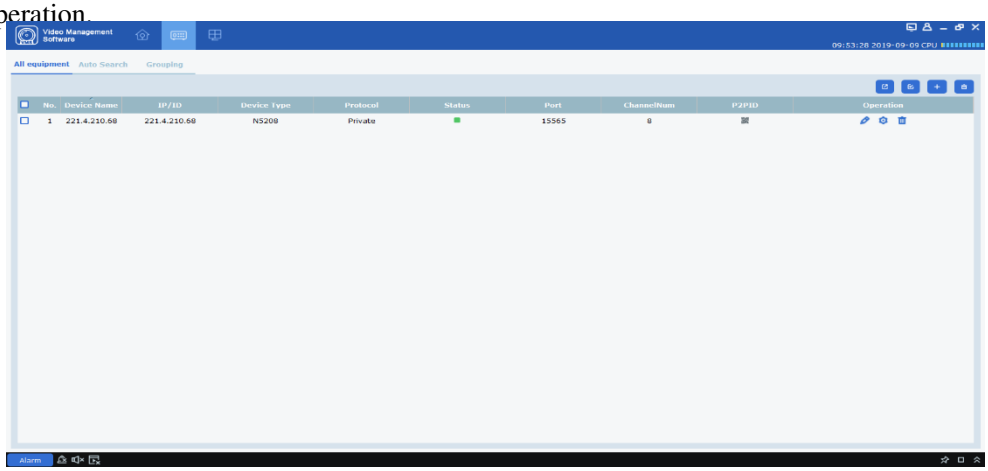


Figure 3-1-3 Add Device Interface

Step 4: Enter "user" and "password" for login to the device, and click "Add" to complete the operation.



The system will display a list of added devices, as shown in Figure 3-1-4. For more details on available operations, refer to Table 3-1.

Figure 3-1-4 Device List

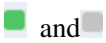
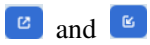
Icon	Description
	Click the icon to enter the "Change Device" interface, which allows modifying device information, including device name, login type, IP/ domain name, protocol, port, user name and password.
	Click the icon to enter the "Remote Device Configuration" interface, which allows configuring the camera channel, recording, network configuration, alert events, storage and system information.
	Click the icon to delete the device.
	The device is connected or disconnected.
	Export or import device information. For more details, refer to (3) Export added device and (4) Import added device.

Table 3-1-1 Operation Instructions

Notes: After the device is added, the system continues to stay in the "Automatic Search" interface, and you can continue to add more devices. After device adding is finished, VMS will automatically login to the device. The online status will be displayed as " " if the login succeeds, or displayed as " " if login fails.

(2) Add device manually

Where a single device is to be added and its IP address or domain name is known, it is recommended to add the device manually.

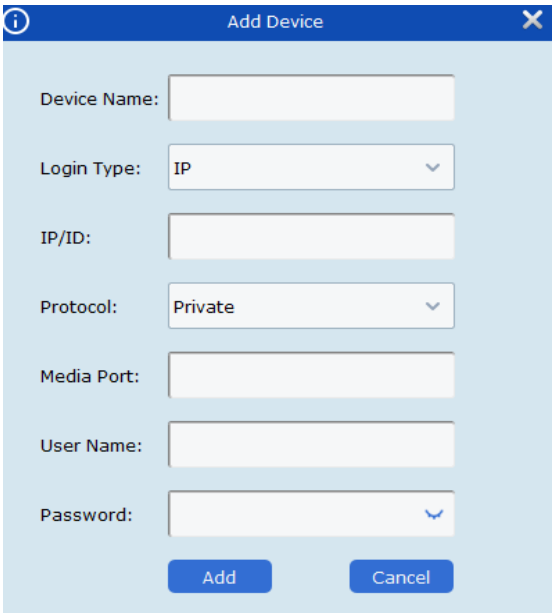


Figure 3-1-5 Add Device Manually

Step 1: Click on + on the "Device Management" interface, and the "Add Device" interface will pop up, as shown in Figure 3-1-5.

Step 2: Set parameters, as detailed in Table 3-1-2.

Parameters	Description
Device Name	It is recommended to name a device after the area monitored by the device for easy maintenance.
Login Type	Choose how to add the device. IP/domain name: Add a device by its IP address or domain name. P2PID:Add a device by its serial number.
IP/ID	This parameter needs to be set when "add mode" is "IP/ domain". The IP address or domain name of the device. When "add mode" is "P2PID", this parameter needs to be set. Serial number of the device.
Protocol	The protocol for access to the device.
Media Port	This parameter needs to be set when "add mode" is "IP/ domain". The default port number for the device is "37777", which can be changed as necessary.
User Name	The user name for login to the device.
Password	The password for login to the device.

Table 3-1-2 Parameters for Adding Devices Manually

Step 3: Click "Add" to finish adding device(s). For more details on available operations, refer to Table 3-1-1.

Notes: To cancel adding device, click 'Cancel' to exit from the 'Manually Add' interface.

After device adding is finished, VMS will automatically login to the device. The online status will be displayed as "" if the login succeeds, or displayed as "" if login fails.

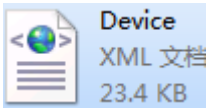
(3) Export added device

If user needs to save the added device, it is recommended to include the information on added

device into a device information file (.XML format), and then save it to the PC by exporting it.

Step 1: Click on on the "Device Management" interface, and the system will pop up a dialog box for storage path.

Step 2: You can directly click the path to jump to the location where the device information file is saved, as shown in the figure.



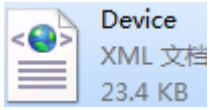
(4) Import added devices

If more devices to be added are not located in the same network segment, it is recommended edit a device information file (.XML format), and then add the devices by importing it.

Notes: If a device information file template is needed, it can be exported in "Device Management" interface.

Step 1: Click on in the "Device Management" interface and a dialog box will pop up.

Step 2: Select and open the device information file saved locally.



Step 3: Click on "Open". After successfully importing the device, available operations are listed in Table 3-1-1.

3.2 Change device information

Any device information (user name, password, IP/ domain name, etc.) can be changed whenever necessary.

Notes: This section describes how to change device information. Refer to "10 Device Configurations" for more details.

Step 1: In the Device Management interface, click " " behind the target device in the list. The system displays "Change Device" page, as shown in Figure 3-2-1.

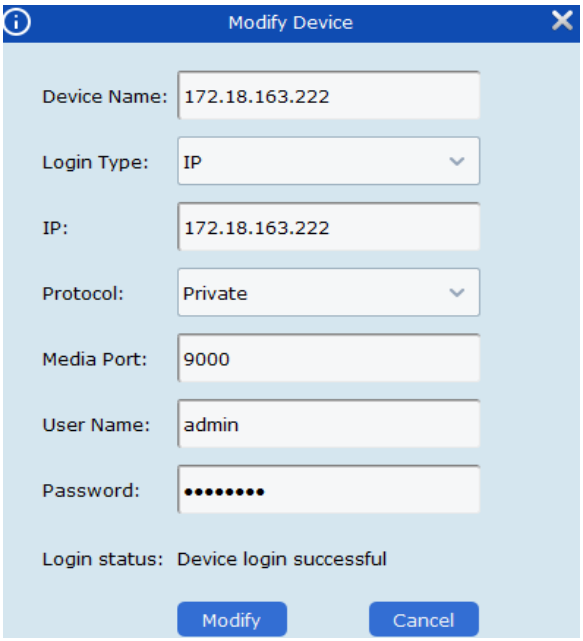


Figure 3-2-1 Change Device

Step 2: Change the device information, and see Table 3-1-2 for more details.

Step 3: Click "Modify" to save the configuration.

3.3 Interface Introduction

Each part and function of the interface are described by zone.

Figure 3-1 Preview

Select "Mainview" in Main Menu, and the system will open the preview interface, as shown in Figure 3-1. See Table 3-1 for more details.

SN	Name	Description
1	Device tree	The default group can be opened by double-clicking, which contains all added devices. Any channel can be opened for preview by dragging a device or double-clicking the channel. Click on the right mouse button to select the master code stream and switch all channels on/off.
2	Preview window area	The windows in preview area can be divided by various pattern. Screen-shot and video recording, as well as cruise, voice call and zoom-in are available during preview. See "4.1 Live Preview" for details.
3	Main audio control area	Controls sound and ceases all windows running.
4	Cruise selection area	Where any cruise plan is available, you can quickly select the plan in this area to start it.
5	Frame ratio, window setting and view creation area	Stretch : Zoom the screen frame in/out
		: Full screen display
		: Adjust number of windows
		: When there are many devices accessed and it is often necessary to preview the monitoring screen of a number of fixed devices simultaneously, save the preview window that opens the preview of multiple devices as a view, and then preview this view, that is, preview of multiple devices under this view. The view created will be added to the device list area under the view tab, and can also be added to cruise plan.
6	List changeover area	: Click to enter the view tab to view your custom view : Click to enter the cradle head control tab and control the device through cradle head
7	Snapshot area	The Snapshot made automatically by the device will be displayed in this area.

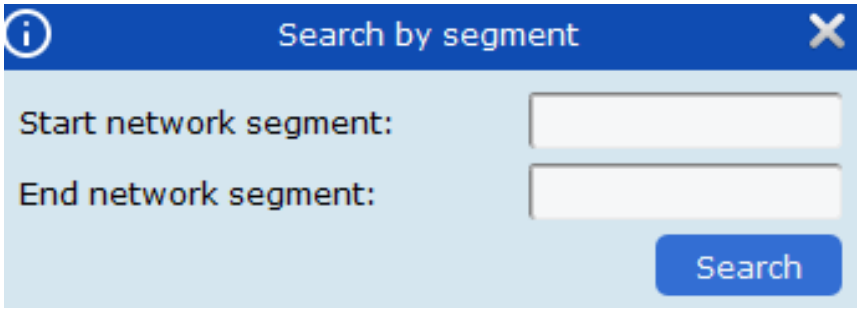
Table 3-1 Overview of Preview Interface

3.4 Search devices by network segment

By setting network segment, all devices within the network segment can be found by search.

Step 1: In the "Device Management" interface, click on "Auto Search". The system pops up an interface, as shown in Figure 3-1-2 above.

Step 2: Click on filter to pop up the "Search by Segment" interface, as shown in Figure 3-3-1.



Step 3: Fill in the target segment, and then click on "Search" to start search. The search results are shown in Figure 3-3-2.

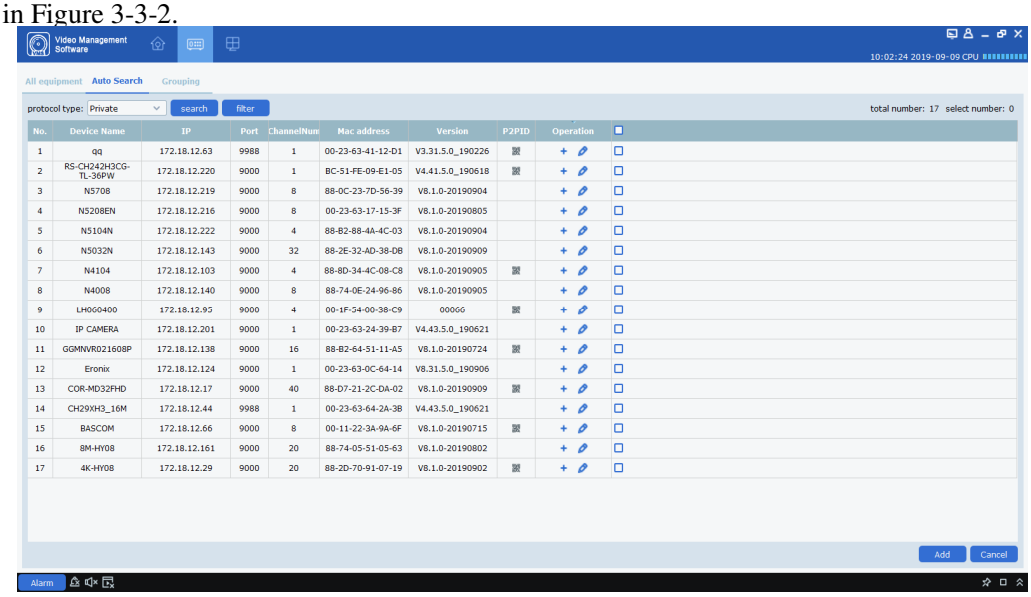


Figure 3-3-2 Search Results

3.5 Search for devices based on other protocols

By modifying the protocol of the device through VMS, devices based on other protocols can be found by search.

Step 1: In the "Device Management" interface, click on "Auto Search". The system pops up an interface, as shown in Figure 3-4-1 below.

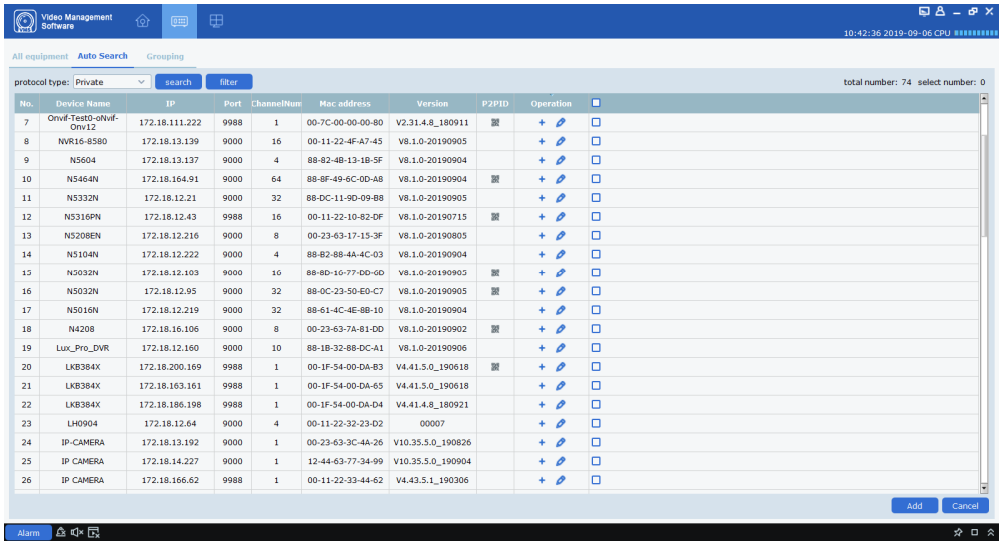


Figure 3-4-1 Search Interface

Step 2: In the drop-down box

, choose another protocol, and click on "Search". The system will display the search results, as shown in Figure 3-4-2.

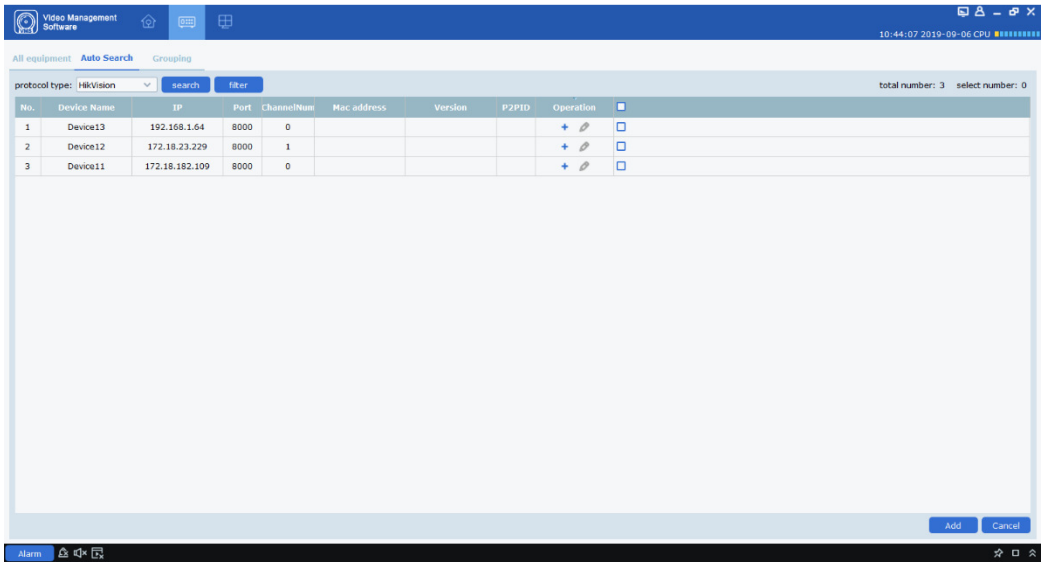


Figure 3-4-2 Search Results

Step 3: Add the desired device. See "3.1 Add Device" for more details.

3.6 Remove Device

Any added device which is no longer required should be removed. A single or more devices can be removed.

(1) Remove a single device

Step 1: In the Device Management interface, click " " behind the target device in the list.

The system will pop up a dialog box, as shown in Figure 3-5-1.

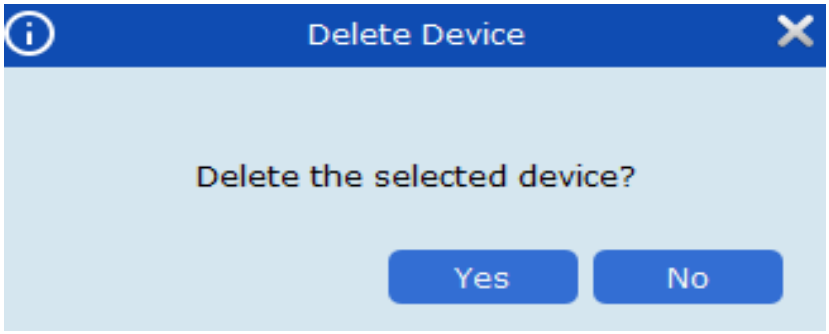


Figure 3-5-1 Remove Device

Step 2: Click "Yes" to remove the device.

Click on "No" to cancel the operation.

(2) Batch removal

Step 1: In the Device Management interface, check the check-box in front of the device you want to remove.

Step 2: Click " " at the upper right corner, and the system will pop up a dialog box, as shown in Figure 3-4.

Step 3: Click "Yes" to remove the selected device.

Click on "No" to cancel the operation.

Section IV Preview

After adding a device in VMS, enter the preview interface to browse the video in real time.

4.1 Real-time preview

Local video recording, screen-shot, voice call, zoom-in and sequential view are available during real-time view of video collected by camera.

(1) Enable preview

Preview is enabled in the following ways:

- Select preview window, double-click the target device in device list area.
- Drag the target device from the list to preview window.
- Right-click on the device group and choose Open all ch to open device preview window.

Notes: If a preview is enabled, all cameras under that view can be previewed simultaneously.

A preview screen is shown in Figure 4-1-1 below.

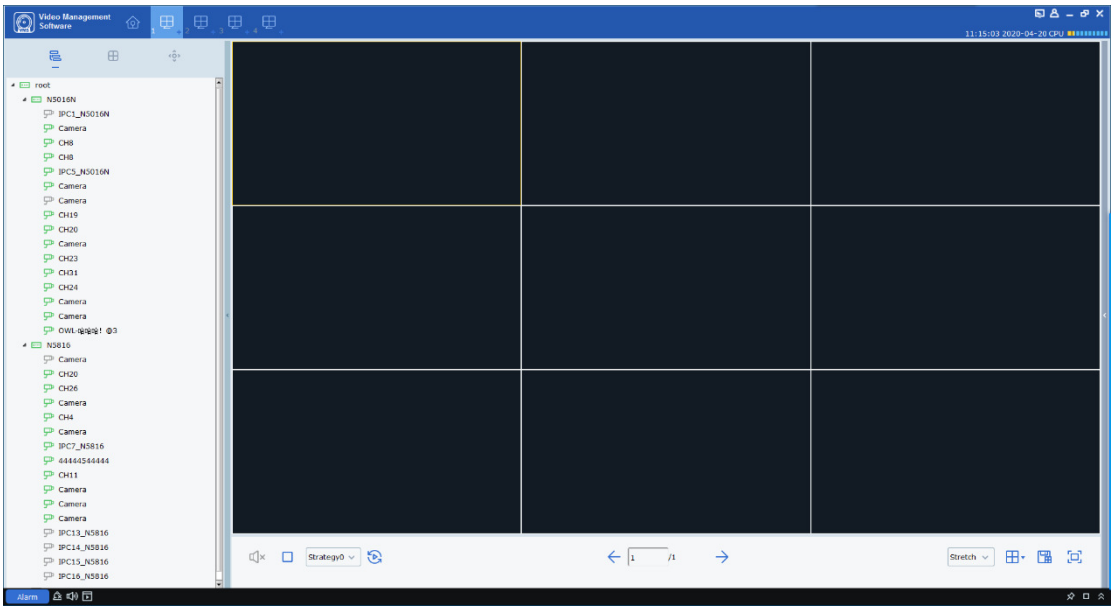
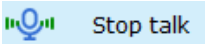


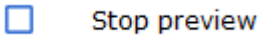
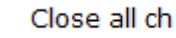
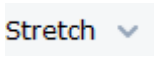
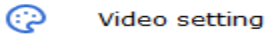
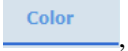
Figure 4-1-1 Preview Interface

Click "+" in the list above preview to add up to four preview interfaces so that different previews for different devices will be added for better monitoring performance.

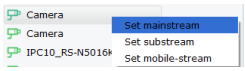
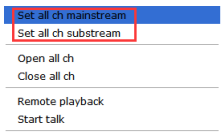
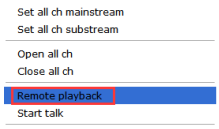
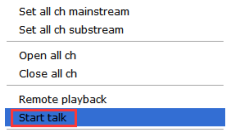
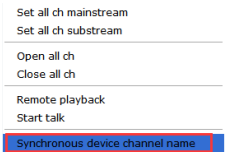
(2) Preview operation

See Table 4-2 for the operations available in preview.

SN	Task	Description	Operation
1	Manual recording	Save manual records locally	Select a video window with preview enabled, click on in the window or right click on Start record to start recording, and then click on or right click on Stop record again to stop recording. **Notes:** You can set the path where the video is saved under Configuration area > System Config.
2	Manual screen-shot	Capture a screen-shot manually	Select a video window with preview enabled, click on in the window or right click on Capture to capture a screen-shot manually. **Notes:** You can set the path where the screen-shot is saved under Configuration area > System Config.
3	Voice call in device channel	Voice call is available in device channel	Select a video window with preview enabled, click on in the window or right click on Start talk to start voice call, and then click on or right click on  Stop talk again to stop the call. **Notes:** Voice call can be conducted between client and IPC connected to device channel.
4	Zoom-in	Zoom in on the selected area video	Select a video window with preview enabled,

			click on in the window and choose a target area by clicking on left mouse button and moving cursor to zoom in, and then click on to cancel it.
5	Close a single window	Close a channel window	Right-click on the window you want to close 
6	Close all windows	Close all channel windows for the device	Right click on  for the device group to close all channels of the device.
7	Full screen	Specify the window full-screen	Select a video window with preview enabled, right click on and then double click on the target window, or first double click on the target window and then right click on to open it in full screen.
8	Adjust window ratio	Adjust frame ratio.	Choose  at the lower right corner of the window to adjust frame ratio.
9	Specify number of windows	Specify number of windows displayed in a single page	Choose at the lower right corner of the window to specify number of windows.
10	Frame adjustment	improve preview effect by adjusting brightness, contrast, saturation, and hue, without changing any image parameters, but naming the adjustment.	1. Choose a video window with preview open and right-click on  2. The system will pop up "Video Setting" dialog box. 3. In the "Color" tab, adjust the color as necessary in  , and change the name

			under Name.
11	Fish-eye view mode	It is available only for fish-eye device. The view mode varies depending on the installation mode of fish-eye device. View modes available for different installation modes.	Select the video window with the preview open, right click on Fisheye, and choose a desired view mode. See Section 12 Fish-Eye View Mode for more details.
12	Fish-eye installation mode	It is available only for fish-eye device. Choose the installation mode as necessary for the device. The installation mode of fish-eye device includes ceiling mounting), wall mounting and floor mounting.	Choose a video window with preview open and right-click on Fisheye to access fish-eye operations. Choose the installation mode as necessary for the device. See Section 12 Fish-Eye View Mode for more details.
13	Move to the previous page of channel window	When channel window is displayed across a number of pages, move to the previous page.	When channel window is displayed across a number of pages, right-click on Last screen in any window to move to the previous page.
14	Move to the next page of channel window	When channel window is displayed across a number of pages, move to and next page.	When channel window is displayed across a number of pages, right-click on Next screen in any window to move to and next page.
15	Change channel code stream	Available stream types include primary stream, sub-	Right-click on the device channel and choose the target device, and then choose the desired code stream type.

	type	stream and mobile stream.	
16	Change main code stream for channel	You can toggle between the primary stream, sub-stream and mobile stream for a device.	Right-click on  in the device list on the left to set primary stream, sub-stream or mobile-stream for the device.
17	Change code stream type for all channels of device	Available stream types include primary stream and sub-stream.	Right-click on  in the device group to change stream type for all channels of the device.
18	Remote playback	The system allows user to go from device in preview interface to remote playback interface for playback of video	Choose a device in the device group and right-click on  to go to the remote playback interface for playback of video on the device.
19	Voice call	Voice call is available on device	Choose a device in the device group and right-click on  to start voice call on the device. **Notes:** Voice call can be conducted between client and the device.
20	Synchronize device channel name	Any renamed device channel will be synchronized.	Choose a device in sync device group and right-click on  to synchronize the renamed device channel.

			Notes: After a device channel is rename, click on it to display the channel name.

Table 4-2 Preview Operations

(3) Adjust number of monitoring windows

Click on in the setting area to adjust the number of view windows, as shown in Figure 4-2-2.

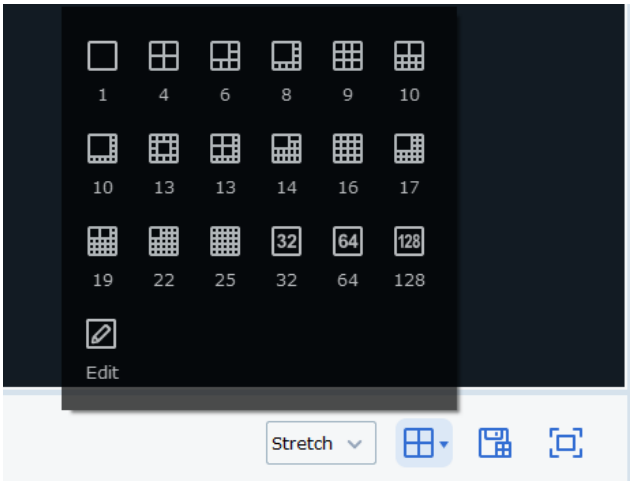
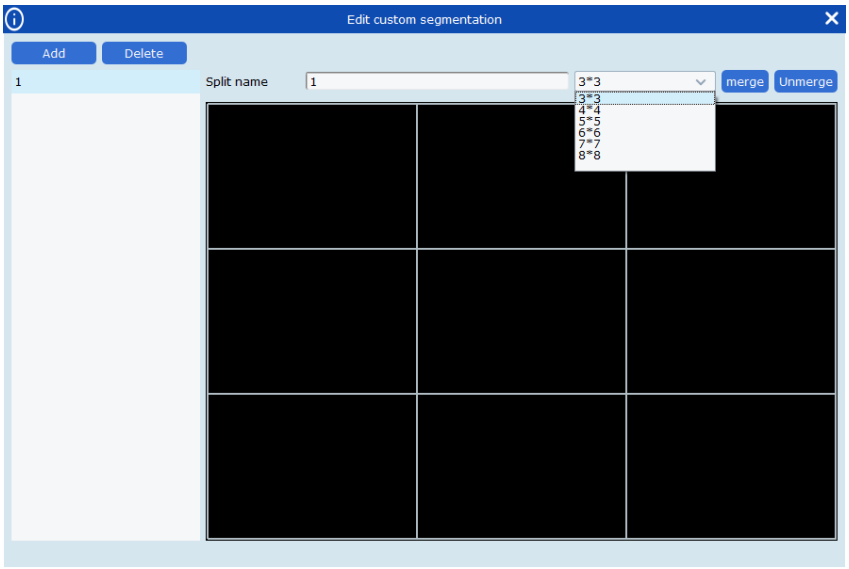


Figure 4-2-2 Number of View Windows

Up to 128 channels can be displayed simultaneously.

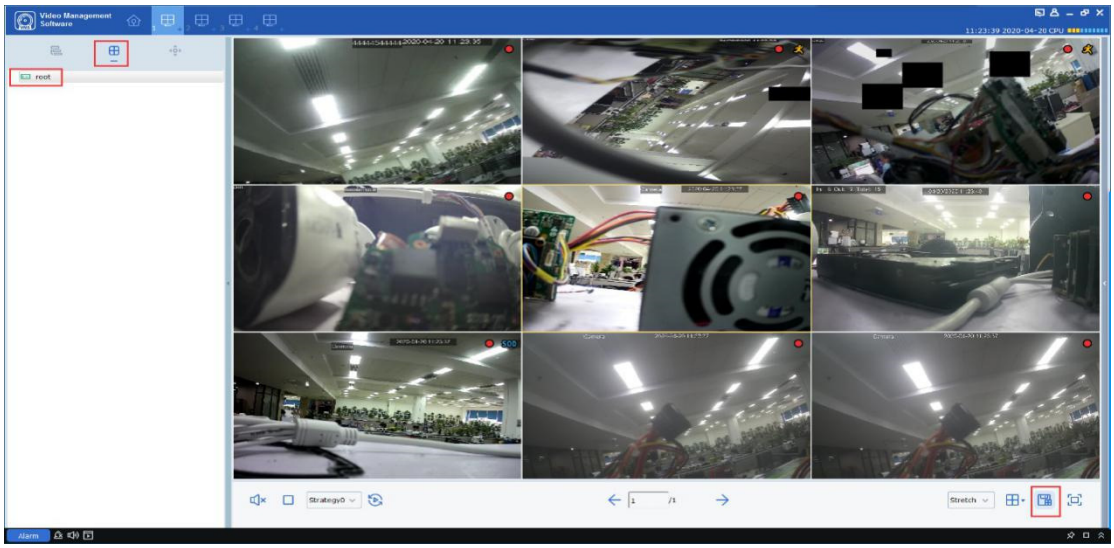
Click on Edit to manually divide the monitoring area, as shown below.



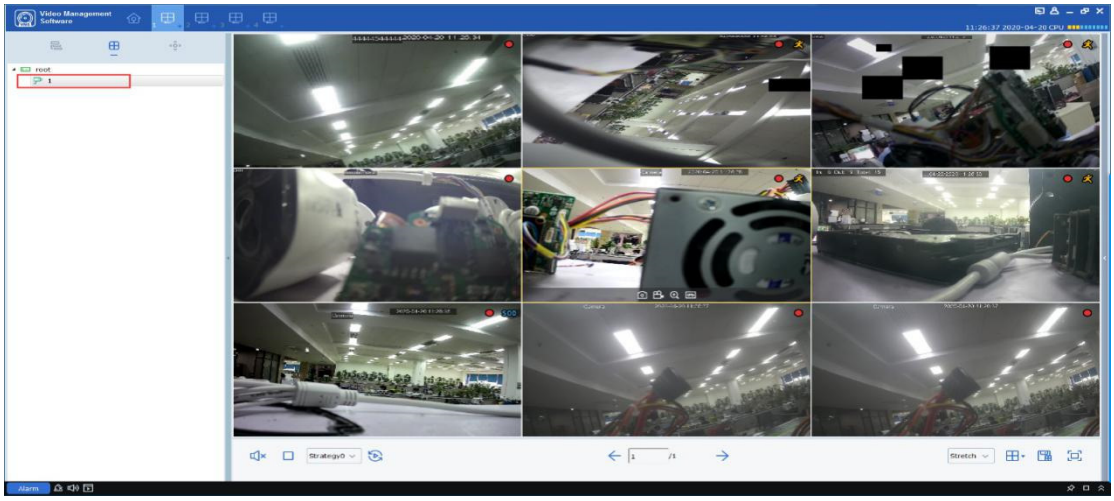
Click Add to add a custom channel display group (up to 5 groups are available), and set up to 8*864 channels for each group, or to merge several boxes together by clicking on Merge to display them in a large block diagram, or break it apart by clicking on Un-merge.

(4) Save View

Click on Save View at the lower right corner to save the current preview, as shown below.

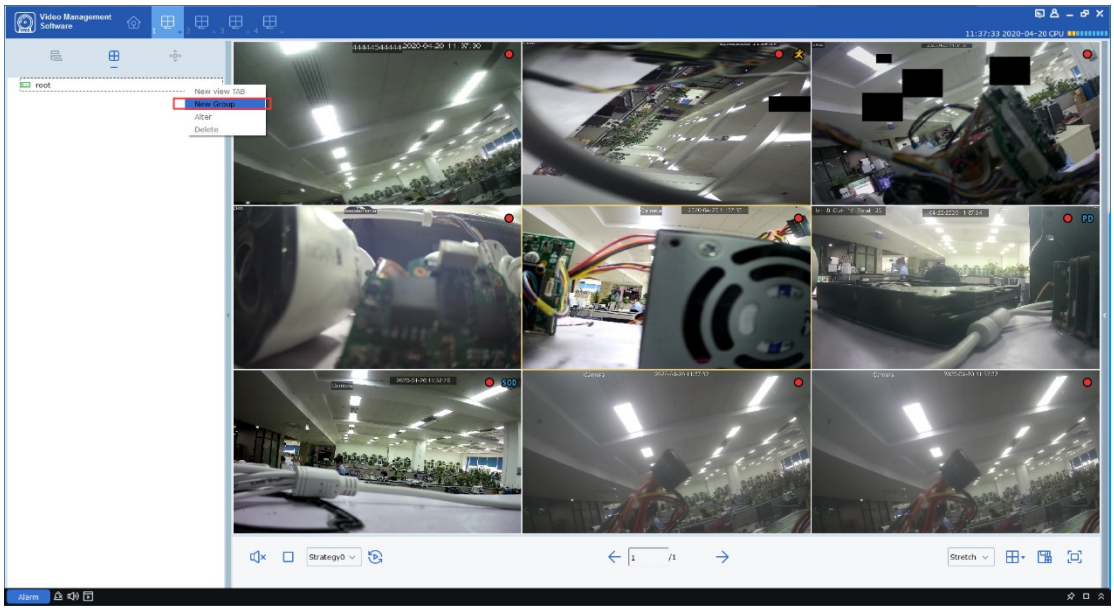


As shown below

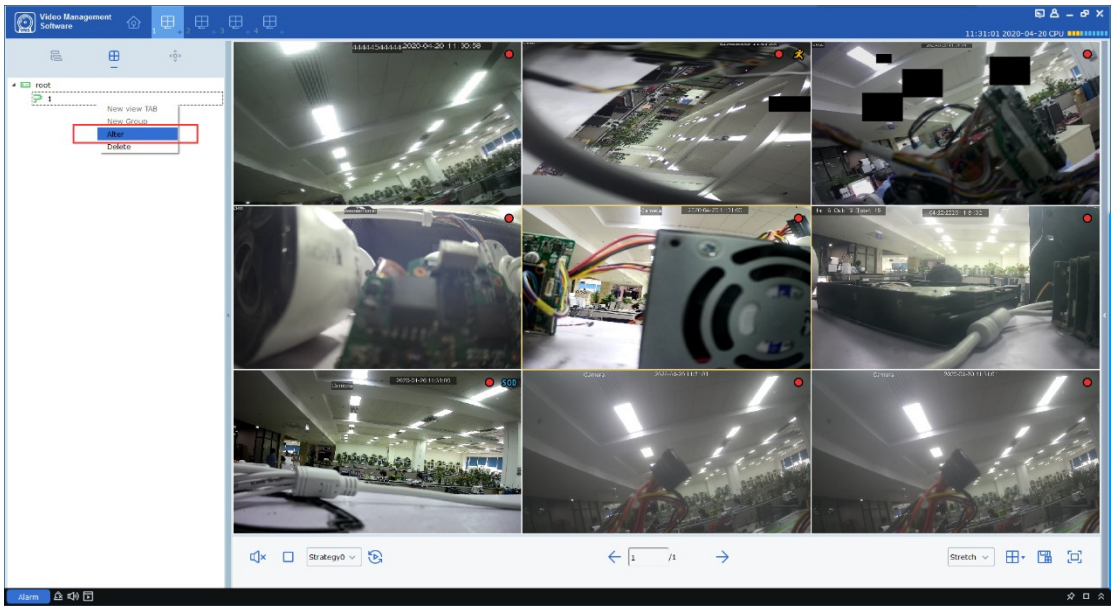


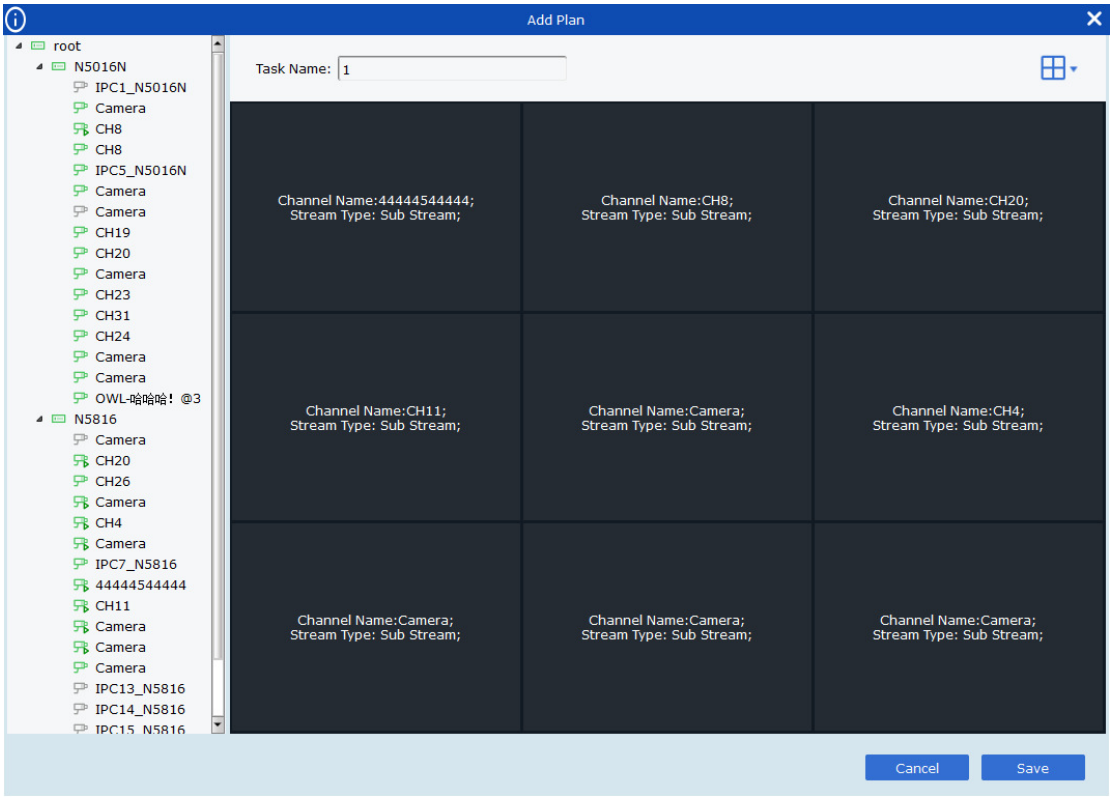
This function is used to save the monitoring channels focused on by user, and next time click the preview interface group "1" as shown in the figure above to pop up nine channels for easy view.

Besides the method above, user can also right-click on the target group and choose New Group to add a preview interface group, as shown below.



Any saved preview interface group can also be renamed or have its channels increased or reduced. Right-click on the preview interface group "1" and choose Alter to enter Change Settings page, as shown below.





User can drag the device channel into the channel box on the left, set the number of channels by clicking on at the upper right corner, and rename preview interface group by clicking on Task Name. After finishing, click on Save to apply the changes.

Section V Cruise plan

By configuring a cruise plan, you can view all frames in sequence.

5.1 Configuration of cruise plan

Step 1: Choose "Cruise Setting" from the main menu, and the system will open Cruise Setting interface, as shown in Figure 5-1-1. By default, the system will create a cruise plan named "Strategy0", which can be renamed by clicking on .

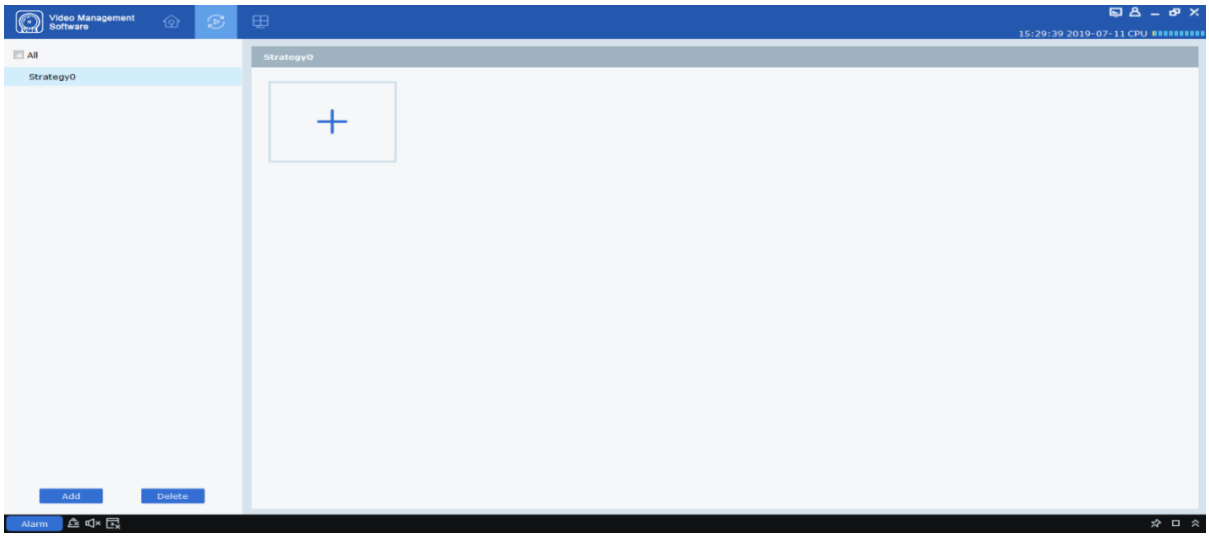


Figure 5-1-1 Cruise Plan

Step 2: Configure task information. (multi-task configuration is available)

(1) Click on + to open "Add Task" interface, as shown in Figure 5-1-2.

(2) Set "Task Name" and "Task Time", and specify the number of cruise windows as desired by clicking on .

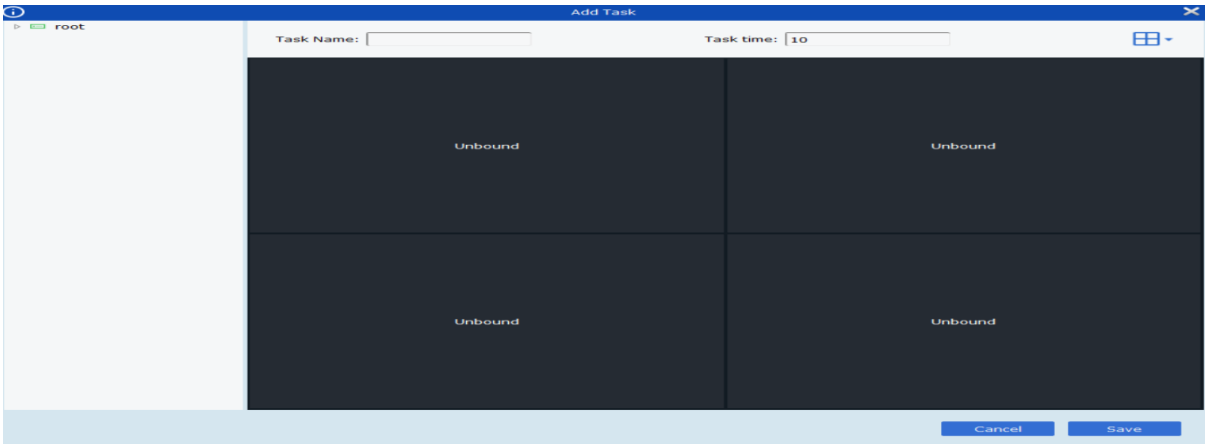


Figure 5-1-2 Adds Tasks to Cruise Plan

(3) Drag channels of the device into the video window in the sequence as required. These channels will be bound, as shown in Figure 5-1-3.

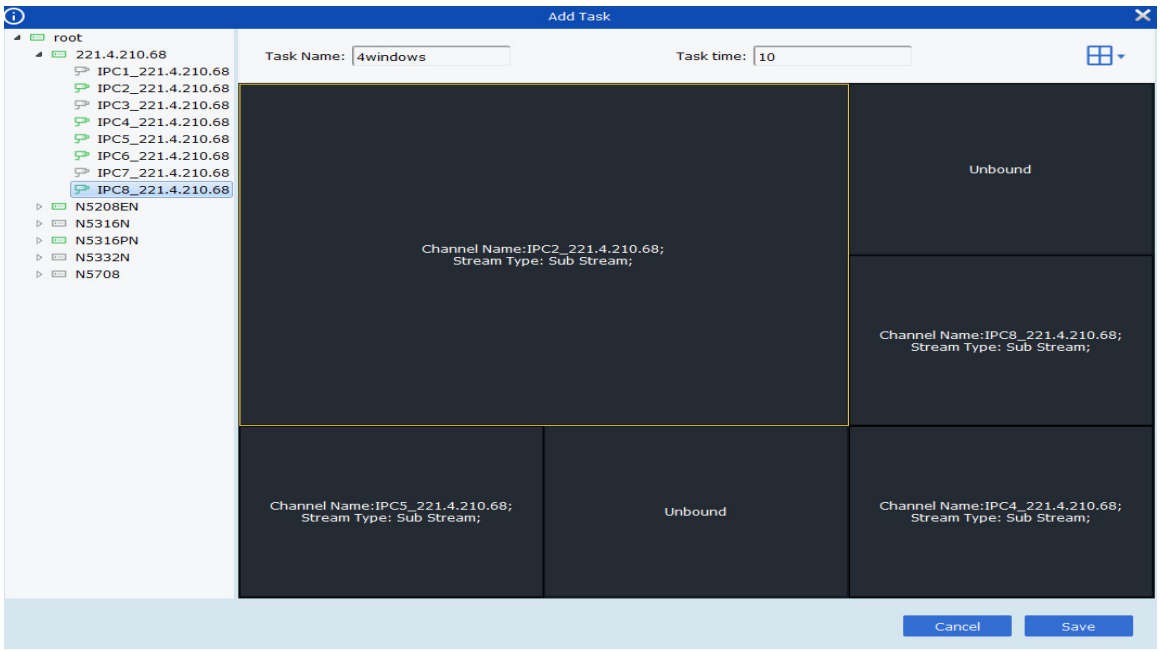
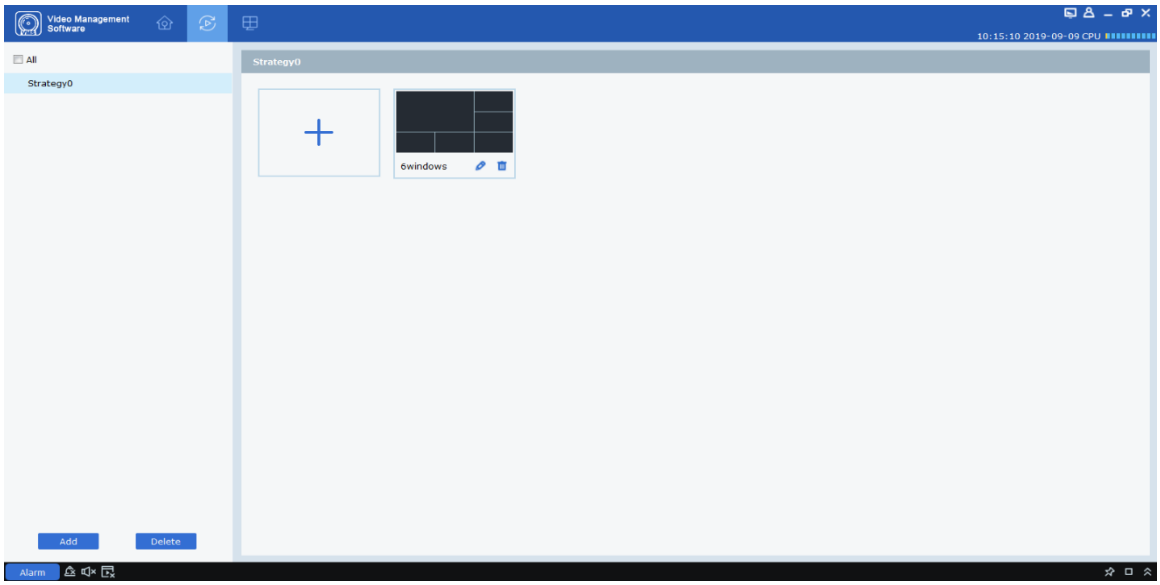


Figure 5-1-3 Channel Binding

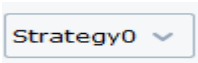


(4) Click on "Save" to finish settings of cruise plan, as shown in Figure 5-1-4.

Figure 5-1-4 Finish Settings of Cruise Plan

5.2 Start cruise

Step 1: Select "Main Window" in Main Menu, and the system will open the preview interface.

Step 2: Choose the cruise plan at the bottom of the interface, as shown in 

.

Step 3: Click on to start the cruise plan.

Section VI Remote playback

6.1 Overview of remote playback

You can play back and export any video or picture from any device. Choose "Remote Playback" from the main menu to enter the Playback interface, as shown in Figure 6-1. See Table 6-1 for more details.

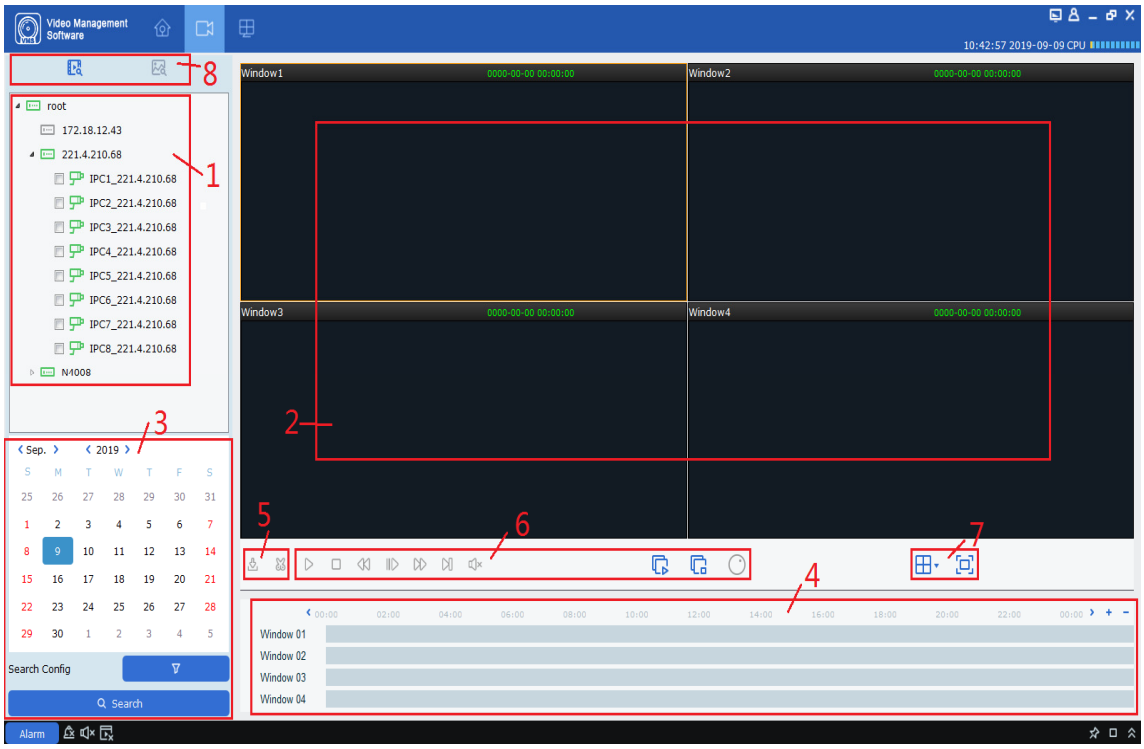


Figure 6-1 Playback

SN	Function	Description	Operation	
1	Device tree	The device group shows the groups and channels of the device. For settings of default device group, see "8. System Configuration".		
2	Playback window	Video playback display area	Screen-shot	Select a video window with preview enabled, click on in the window or right click on Capture to capture a single screen-shot.
			Zoom-in	Select a video window with preview enabled, and click on .
			Stop playing	Select a video window with preview enabled, click on in the window or right click on Stop Play.
			Recording	Select a video window with preview enabled, click on in the window or right click on Start record
			Enable fish-eye	Select a video window with preview enabled, click on in the window or right click on Fisheye (available only for fish-eye device).)

			Full screen display	Click on or right click on Fullscreen
SN	**Function**	**Description**	**Operation**	**SN**
3	Date & time of access	Date & time of playback or access	Set search conditions	In the "Device" tab, choose target device or view, and choose Search for video or picture, and then specify target date (any date when video is available is marked at the lower right corner of it) and screen-shot type, code stream, start and end times, and whether to play or not by click on , and then click on "Search". • Screen-shot types include All, Common, I/O detection, Motion detection, Alarm shots, Intelligent screen-shot, Pedestrian detection and Manual screen-shot. • The code stream types include primary stream and sub stream. • The interval between start and end times must be less than one day.
			Set conditions for search for picture	
4	Progress box	Display existing video information	: Increase accuracy of playback progress bar. : Decrease accuracy of playback progress bar.	
			: You can re-position the progress bar to jump to another display area.	
	Cut and	Cut or export	Exported	See 6.3 Export video from device for

5	export	video as necessary	recorded video	more details.
			Cut video from device	

SN	Function	Description	Operation	SN
6	Playback control bar	Control how video is played back and volume of playback.		Play all channels back.
				Start playback of videos.
				Rewind and play the video.
				Pause playback.
				Stop playback .
				Playback by single frame.
				Fast-forward and play the video.
				Play back the video at low speed.
7	Window control	Set how the video window is displayed		Select the desired display mode and number of video windows.
				full-screen display mode.
8	Switchover	Toggle between video playback and slide show of images		Enter video playback interface
				Enter slide show interface. See 6.4 Slide show of images for more details.

Table 6-1 Overview of Playback Functions

6.2 Playback of video from device

Precondition:

Any video recorded by the device is available in any channel.

Operation procedure:

Step 1: Choose tab from "Remote Playback" page.

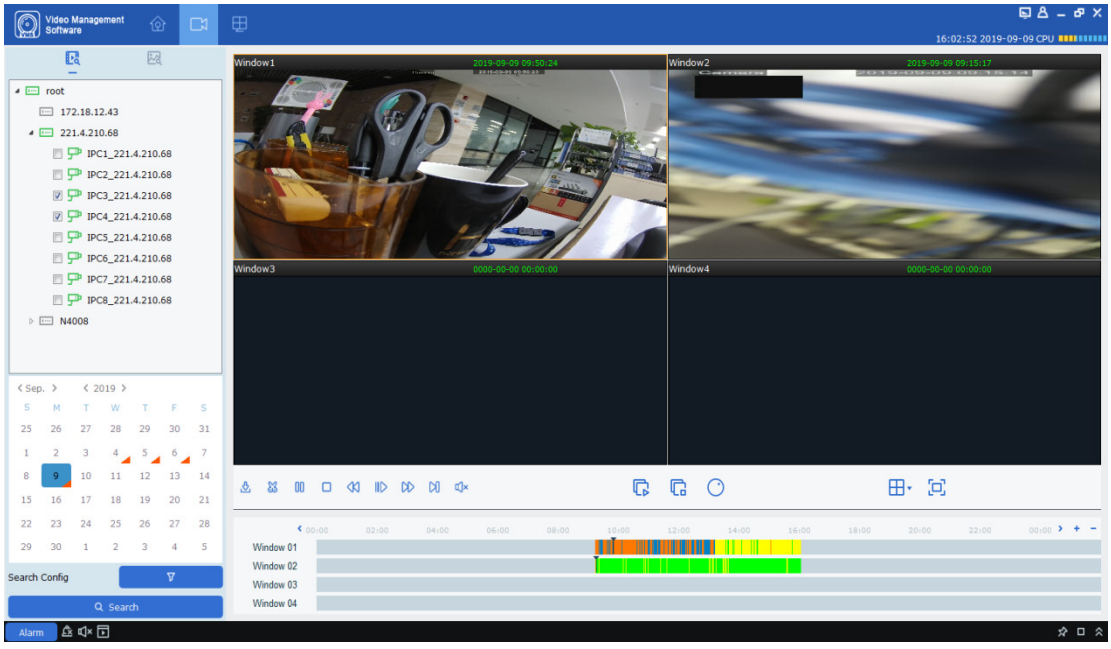
Step 2: Choose target device channel from Device Group.

Step 3: Specify search conditions in settings

.

1. Choose video type and stream, and specify target time frame.

2. Click on "Search", and the system will display relevant information in the progress box.



Step 4: Choose a window with any video available, and click on to start playback, as shown in Figure 6-2.

Figure 6-2 Playback of Video

Notes: By default, any remote video will be played back asynchronously. To enable synchronous playback, click on

to enter the setting page, as shown in Figure 6-2-1.

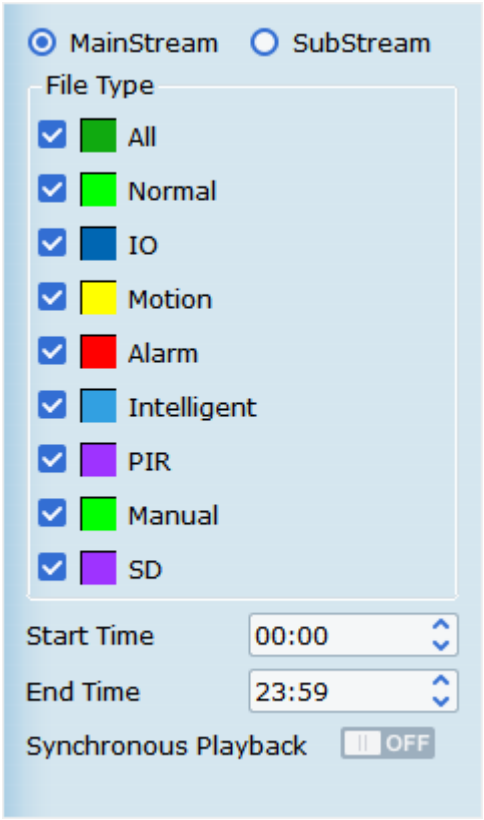
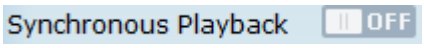


Figure 6-2-1 Playback Settings

Switch 

on, to toggle remote playback to synchronous playback mode.

6.3 Export recorded video

Precondition:

Any video recorded by the device is available in any channel.

(1) Custom cut and download:

Step 1: Choose tab from "Remote Playback" page.

Step 2: Choose target device channel from Device Group.

Step 3: Set search conditions in Search Config.

1. Setup video type and stream, and specify target time frame.

2. Click on "Search", and the system will display relevant information in the progress box.

Step 4: Select a window where any recorded video is available, and click on to start playback.

Step 5: Click on and choose a segment of video in the progress box as required, and then click on to confirm exporting it. The system will pop up a dialog box, as shown in Figure 6-3-1.

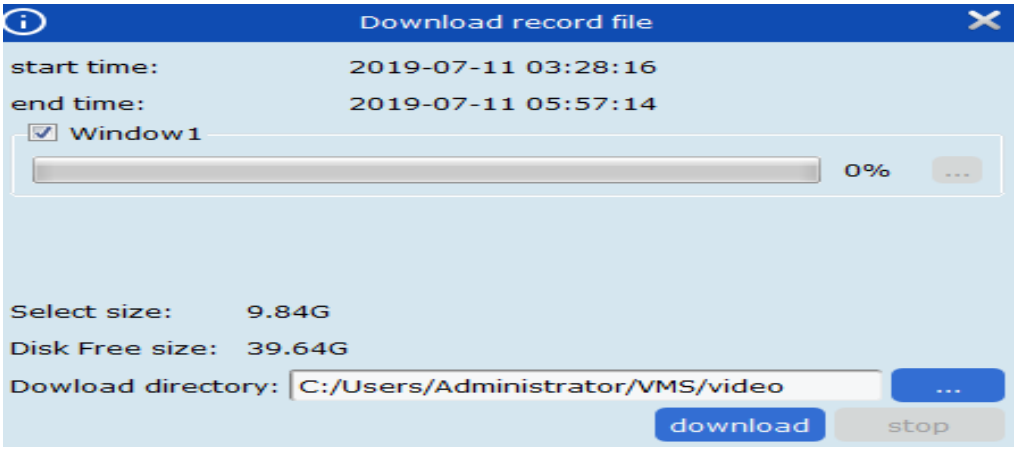
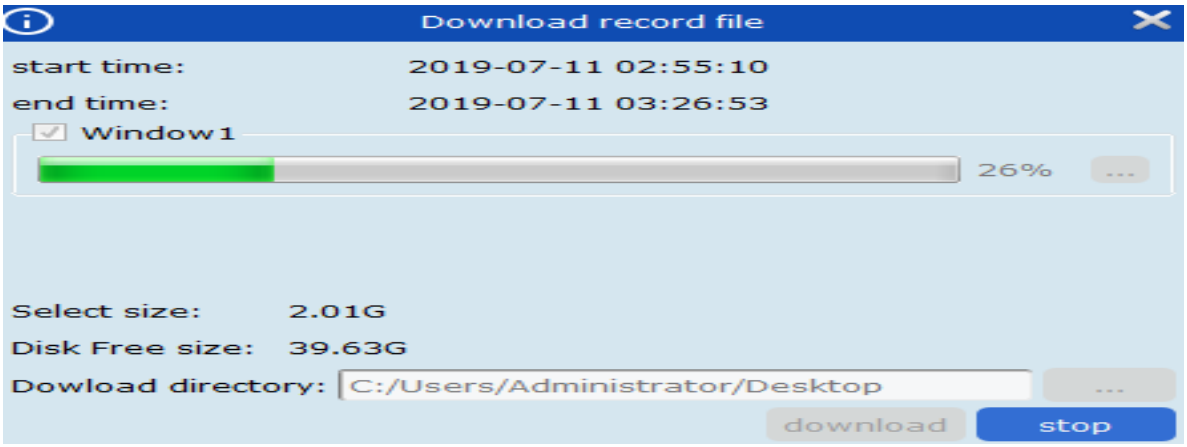


Figure 6-3-1. Export Settings



Step 6: Choose the path where the exported video is saved. Click on "Download" and the system will pop up "Export progress", as shown in Figure 6-3-2.

Figure 6-3-2 Export Progress

Step 7: The window will be closed when export process is finished.

(2) Download by date of files:

Step 1: Choose tab from "Remote Playback" page.

Step 2: Choose target device channel from Device Group.

Step 3: Set search conditions in Search Config.

1. Setup video type and stream, and specify target time frame.

2. Click on "Search", and the system will display relevant information in the progress box.

Step 4: Select a window where any recorded video is available, and click on to pop up all video clips available on the target date, as shown in Figure 6-3-3.

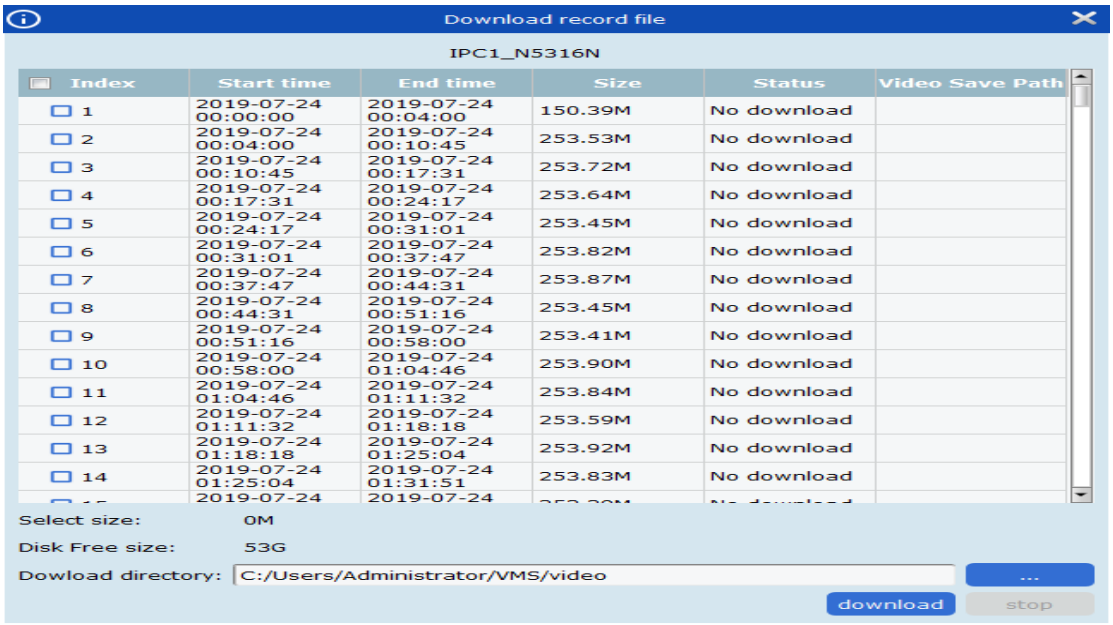


Figure 6-3-3 View Video Clip

Step 5: Check the target time frame for video to be downloaded and choose an export path. Click on "Download" and the system will pop up "Export progress", as shown in Figure 6-3-4.

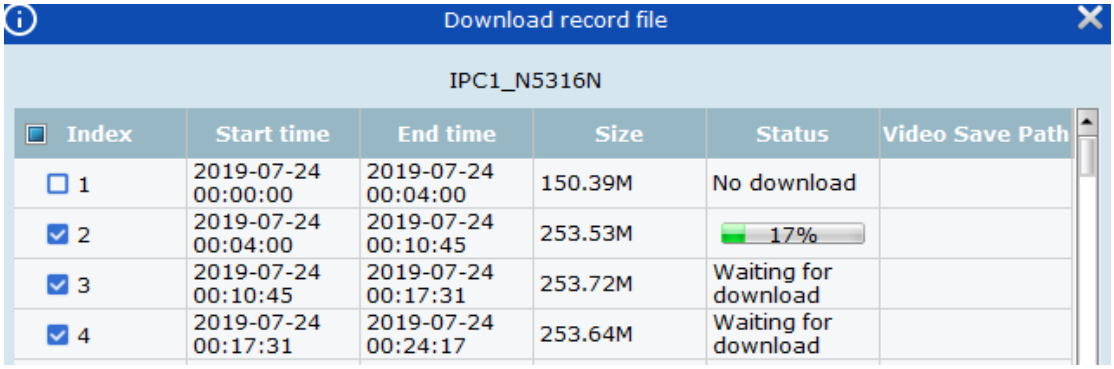


Figure 6-3-4 Export Progress

6.4 Slide show of images from device

Precondition:

Any video recorded by the device is available in any channel.

Operation procedure:

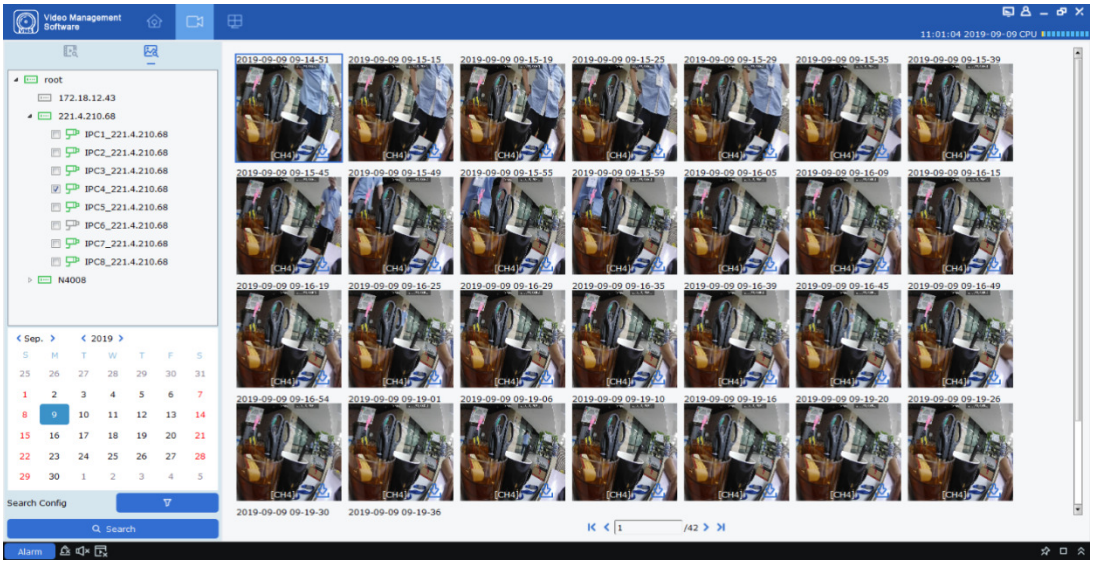
Step 1: Choose tab from "Remote Playback" page.

Step 2: Choose target device channel from Device Group.

Step 3: Set search conditions in

.

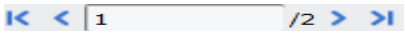
1、 Choose video type and stream, and specify target time frame.



2. Click on "Search", and the system will display picture information on the right side of "Device Group", as shown in Figure 6-4-1.

Figure 6-4-1 Images on Device

Step 4: Slide show.

Click on  to toggle between the pages.

6.5 Export Images from Device

On the slide show page, click on at the bottom right corner of the target image, and the system will pop up a dialog box indicating successful export, as shown in Figure 6-5.

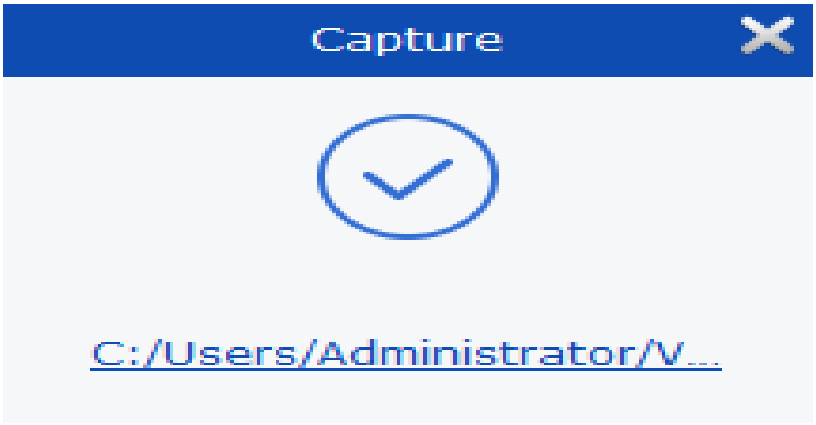


Figure 6-5 Export Images from Device

Notes: The path where exported image is saved can be set in "System Config" in the main menu.

Section VII Search Logs

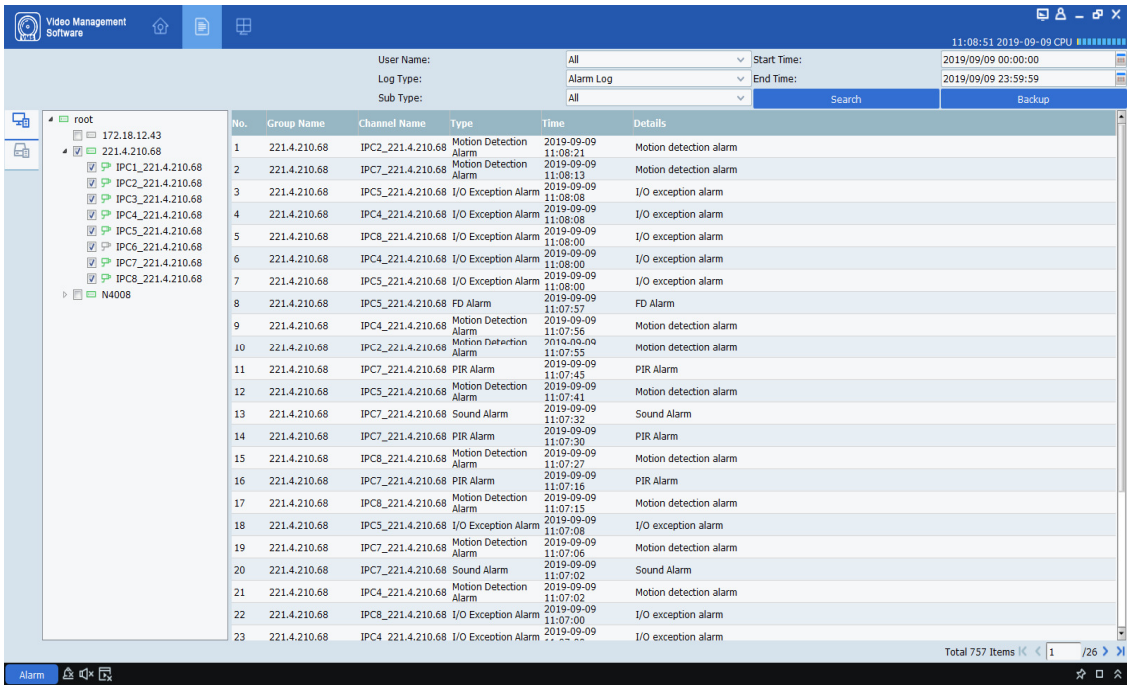
You can search and export any logs at client or in the device.

7.1 Search logs at client

Step 1: Select "Log Search" from the main menu and the system will display the log interface.

Step 2: Choose . The system displays the logs pages at the local client.

Step 3: Specify user, time frame, log type, and device as required for the search. Local logs at client include alarm logs, system logs, and operation logs.



Step 4: Click on "Search" to start the search. The system will display the search results, as shown in Figure 7-1.

Figure 7-1 Search for Logs at Local Client

Notes: After the logs are searched successfully, you can click on "Backup" to export relevant logs.

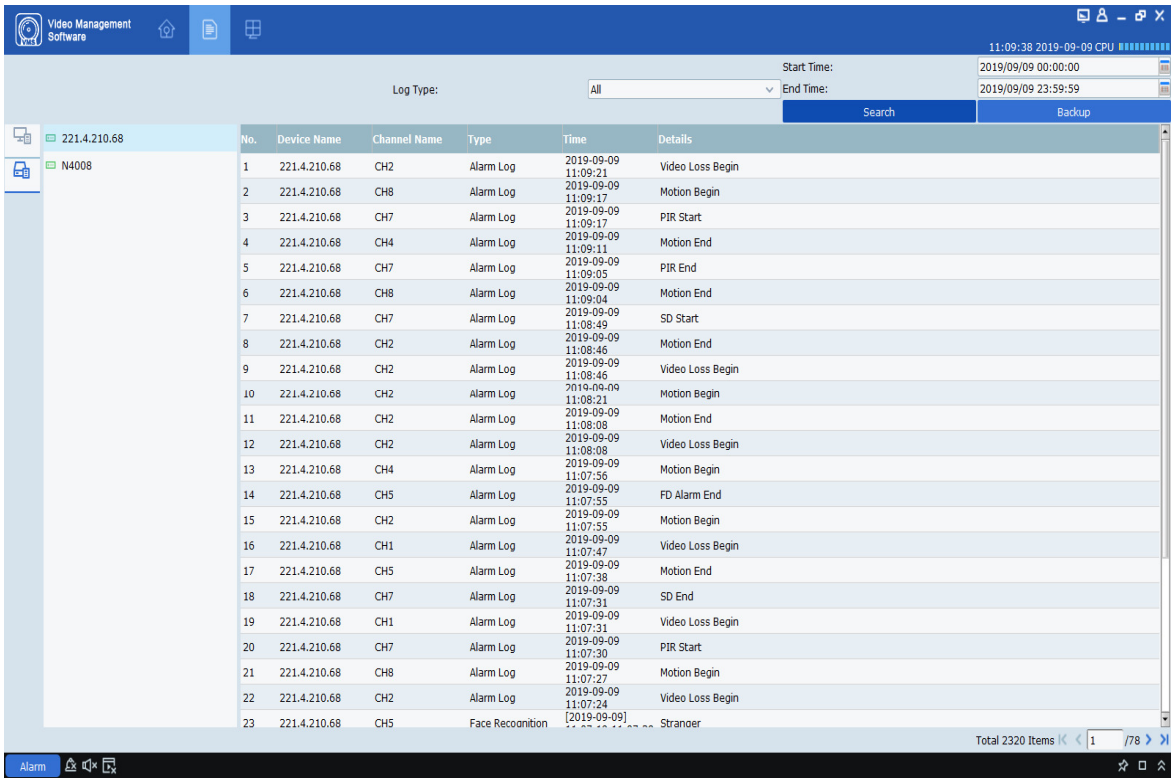
7.2 Search logs at remote device

Step 1: Select "Log Search" in Main Menu, and the system will open the log interface.

Step 2: Choose . The system displays the Remote Log interface.

Step 3: Specify time frame, log type, and device as required for the search. Logs at remove device include system logs, configuration logs, alarm logs, user logs, video logs, data logs, network logs, and intelligent logs.

Step 4: Click on "Search" to start the search. The system will display the search results, as shown in Figure 7-2.



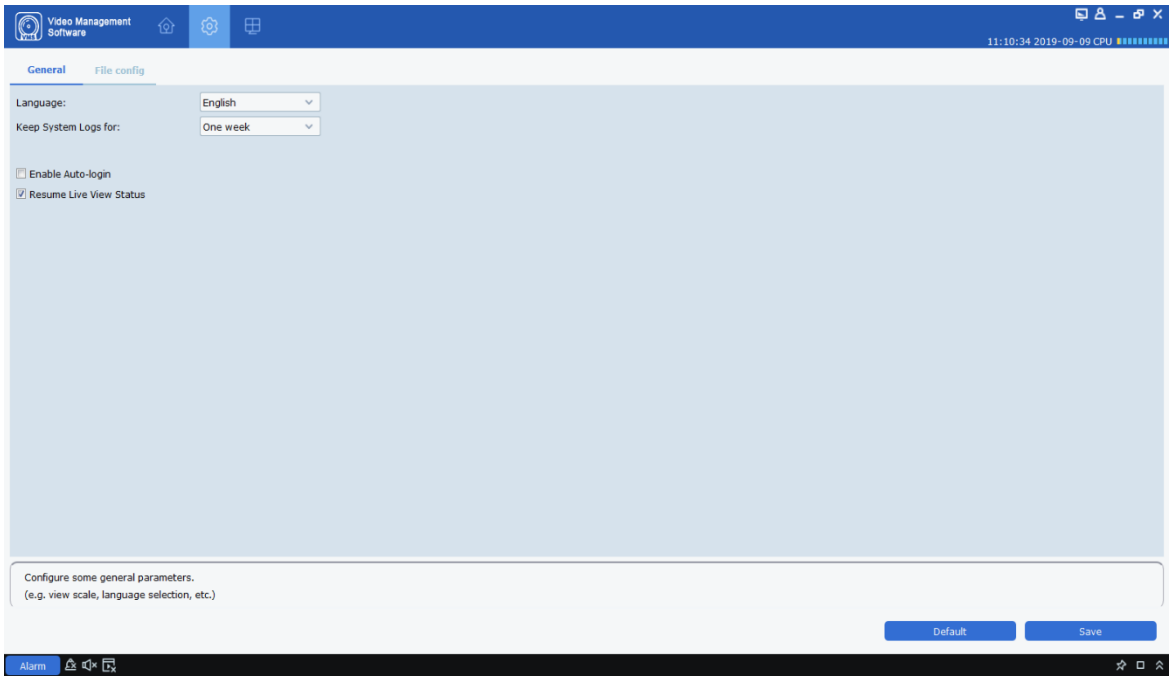
Notes: After the logs are searched successfully, you can click on "Backup" to export relevant remote logs.

Figure 7-2 Search for Remote Logs

Note: Up to 4,000 items of logs will be displayed, and can be searched by changing the time frame.

Section VIII System Configuration

System settings include general settings and file settings. .



Step 1: Choose "System Config" from the main menu to display the system configuration interface, as shown in Figure 8-1.

Figure 8-1 System Configuration

Step 2: For more details on system configuration, refer to Table 8-1.

Parameters		Description
General	Language	English language is available
	Keep System Logs for	How long the system logs will be kept: • One week • Half a month • One month
	Enable Auto-Login	Whether automatic login is enabled
	Resume Live View Status	Whether to resume live view
	Enable Sync to device channel name	Whether to synchronize to the device channel
File configuration	File type	In what type files are saved, including: • rf • AVI • mp4
	Max File Size	The maximum file size, including: • 1G • 2G • 3G • 4G
	Alarm when disk space is less than ___MB	The threshold for low disk space alarm. Check and set a threshold value.
	Path of Saved Pictures	Set the path where local image files are saved.
	Path of Saved Videos	Set the path where local video files are saved.
	Alarm Input	The path for alarm sound file
	Video Exception	The path for video exception sound file
	Motion Detection	The path for motion detection sound file

Table 8-1 Settings Configuration

Step 3: Click on "Save" to complete system setting.

Section IX Account Management

You can add or delete user and modify authority in account management.

9.1 Add user

Step 1: Choose "Account Management" from the main menu to enter the Account Management interface, as shown in Figure 9-1-1.

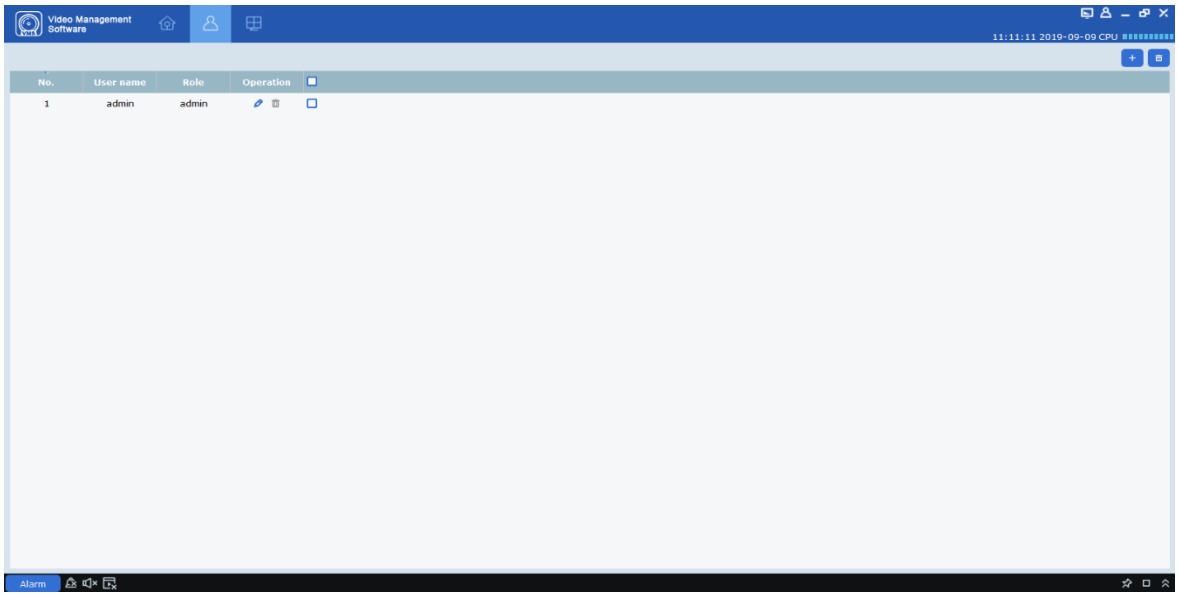


Figure 9-1-1 Account Management Interface

Step 2: Click on " " at the upper right corner of the interface to add a new user, and the system pops up a dialog box as shown in Figure 9-1-2. See Table 9-1-1 for more details.

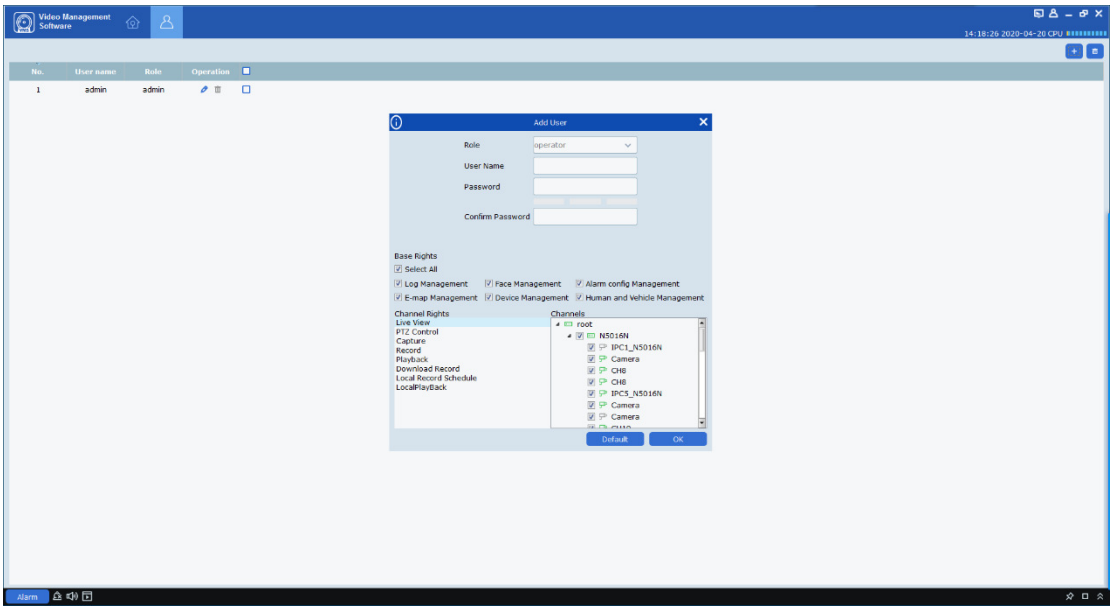


Figure 9-1-2 Add a New User

Parameters	Description
User Name	Used to uniquely identify a user, and mustn't be the same as any existing user name.
Password	User's password for login. Confirm password by entering it again.
Confirm Password	
Base Rights	Set user's basic authority as required, including: Log management Face management Alarm configuration management E- E-map management Device management Human and vehicle management

Table 9-1-1 Settings for New User

Step 3: Set the channel authority as required by checking related option at the right side for each authority. See Table 9-1-2 for more details.

Parameters	Description
Live View	Live preview
PTZ Control	Cradle head control
Capture	Screen-shot
Record	Recording
Playback	Remote playback
Download Record	Download video files
Local Record Schedule	Local video recording schedule
Local Playback	Local playback

Table 9-1-2 Channel Authority

Step 4: After finishing setting (click Default to restore default settings), click on "OK" to save the new user and finish adding.

Notes: Admin has full authority, which cannot be changed or deleted. Any added user can be deleted and relevant authority can be changed.

9.2 Modify User

Step 1: Click on behind the target user name to pop up an interface as shown in Figure 9-2.

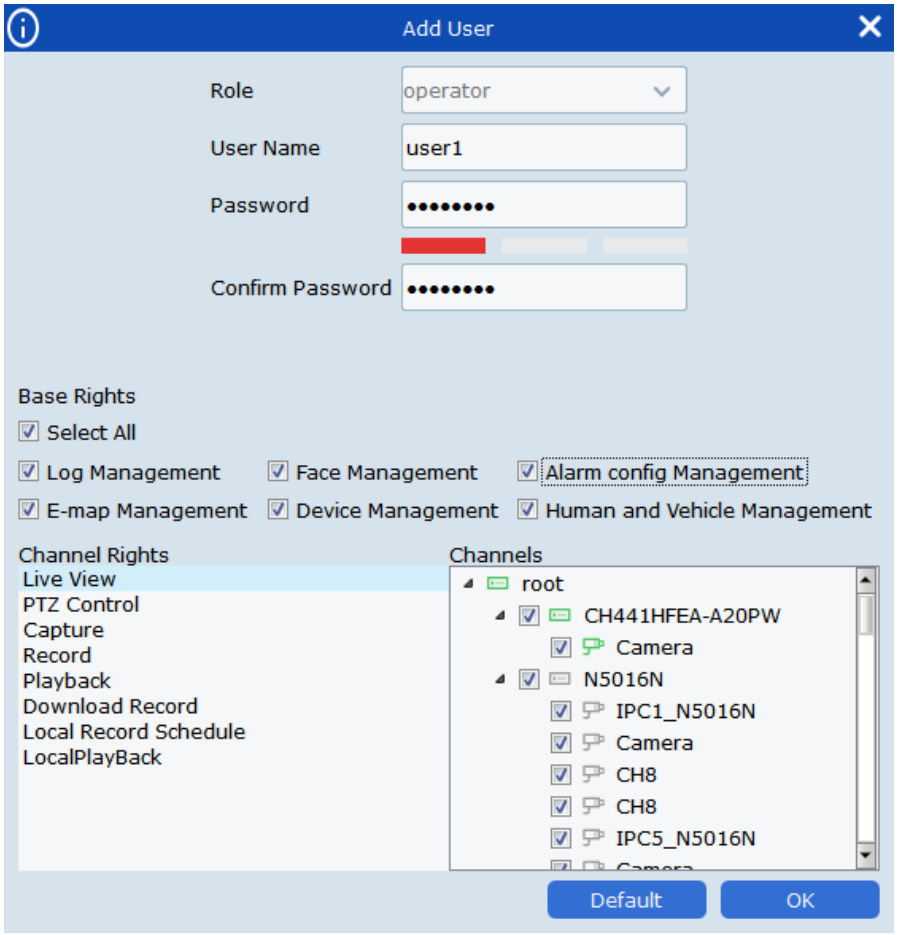


Figure 9-2 Modify User

Step 2: Modify user authority, name or password.

Step 3: Click on OK to save modification.

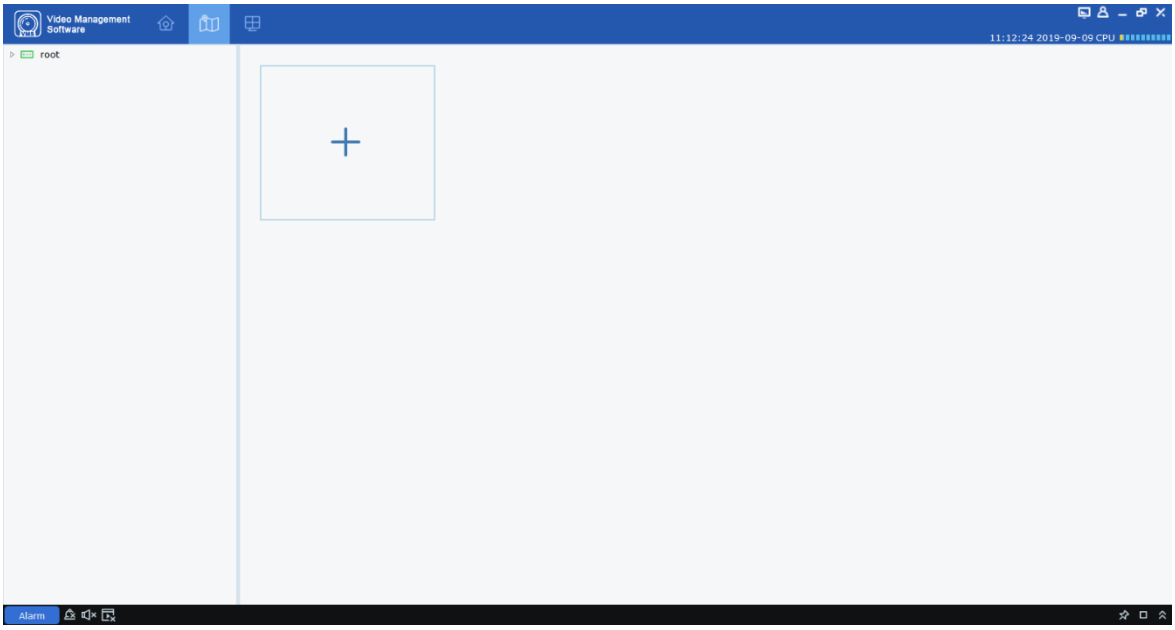
9.3 Delete User

Click on behind the target user name to pop up a dialog box, and then click on OK. Or alternatively, check the box for users to be deleted, and then click on at the upper right corner of the interface to delete them by batch.

Section X E-map

E-map is used to locate video channel or alarm channel, and view video or alarm promptly.

10.1 New map



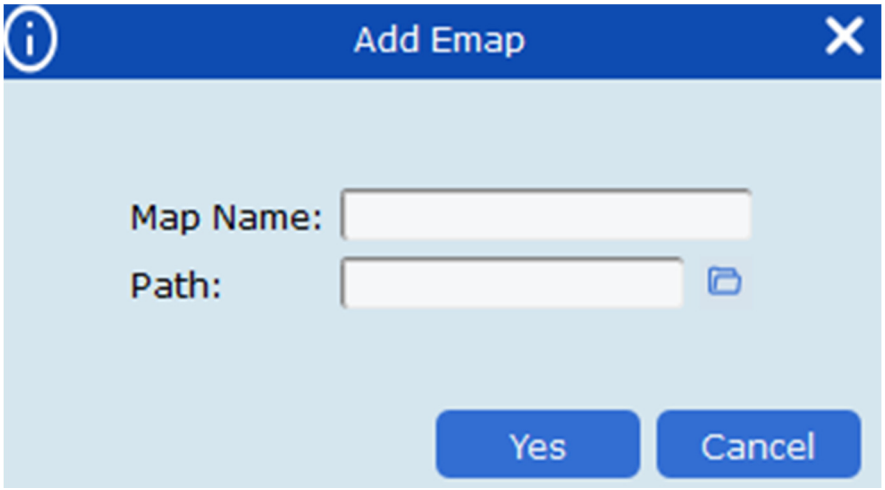
Step 1: Choose "E-map Config" from the main menu to display the e-map configuration interface, as shown in Figure 10-1-1.

Figure 10-1-1 Map Configuration

Step 2: Click on + in the interface to pop up a dialog box as shown in Figure 10-2.

Figure 10-1-2 Choose Map

Step 3: Name the map and choose a path for image files.



Step 4: Click on Yes to save the settings.

10.2 Edit map

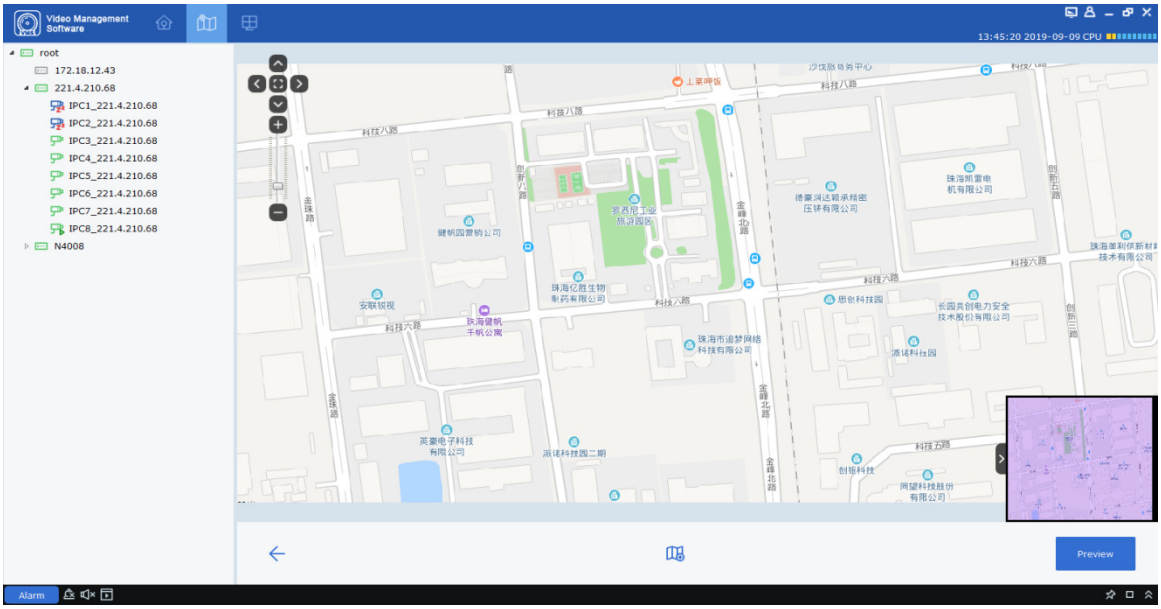


Figure 10-2-1 Edit E-map

Double-click on the target map to edit to enter the page as shown in Figure 10-2-1.

Step 1: Add a device to the map by unfolding Device Group at the left side and dragging the device to a required position in the map.

Step 2: Click on to create a new hot spot in the map.

Notes: To add a hot spot, you have to create a new map, as shown in Figure 10-2-2.

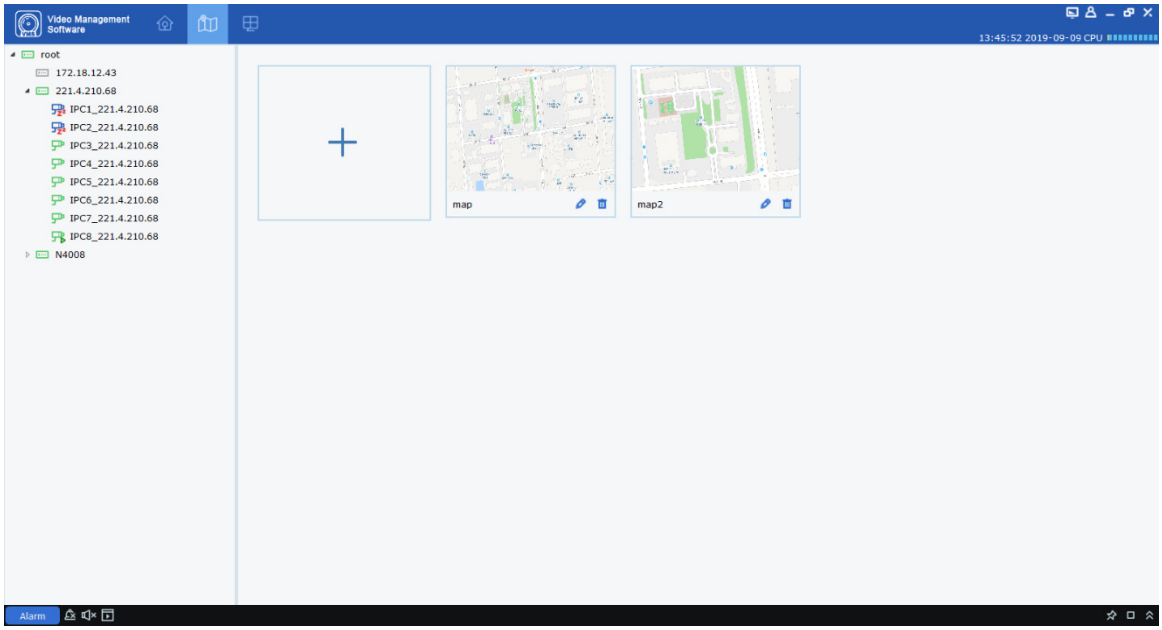


Figure 10-2-2 hot spot in Map

Step 3: Add a hot spot to the map and drag a device to a required position in the map. The final result is shown in Figure 10-2-3.

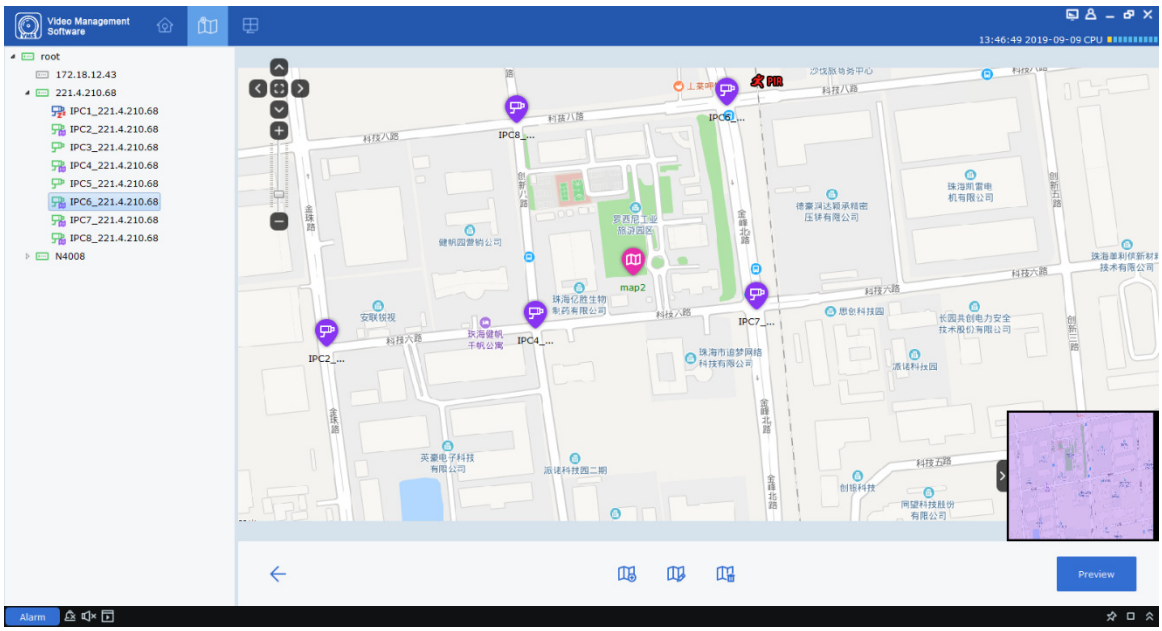


Figure 10-2-3 Preview of Map

Notes:

Click on Preview at the bottom right to receive any live alarm from the device. Double-click on the device to view the live video frames from the device.

Double-click on the hot spot icon to enter the map. Click on Preview at the bottom right to receive any live alarm from the device. Double-click on the device to view the live video frames from the device. Click on Preview to remove any alarm from the device.

10.3 Modify and delete device

1. Click on device icon, and click on to enter device modification interface, as shown in Figure 10-3.

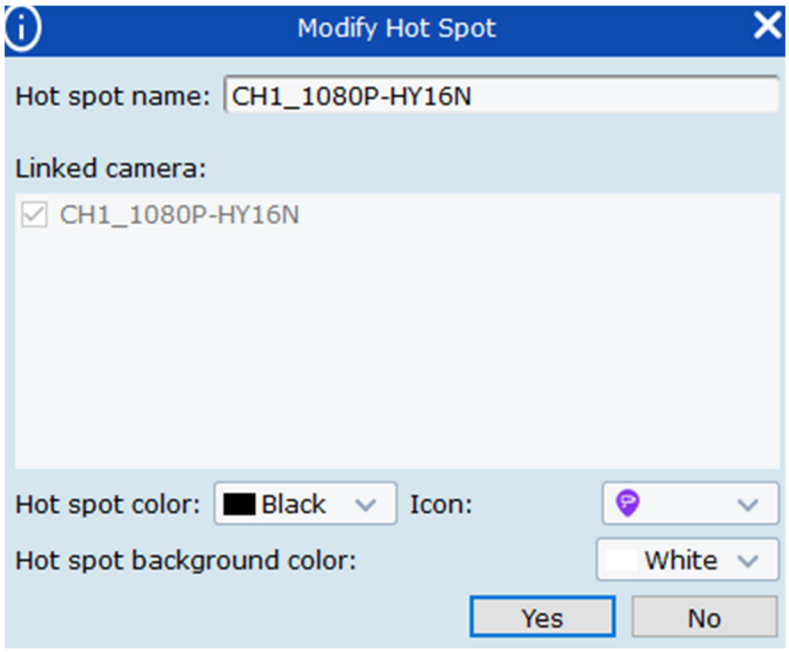


Figure 10-3 Modify Device

Parameter description:

Hot spot name

Linked camera

Hot spot color

Icon

Hot spot background color

2. Click on the device icon and then on to pop up a dialog box, and then click on OK to delete it.

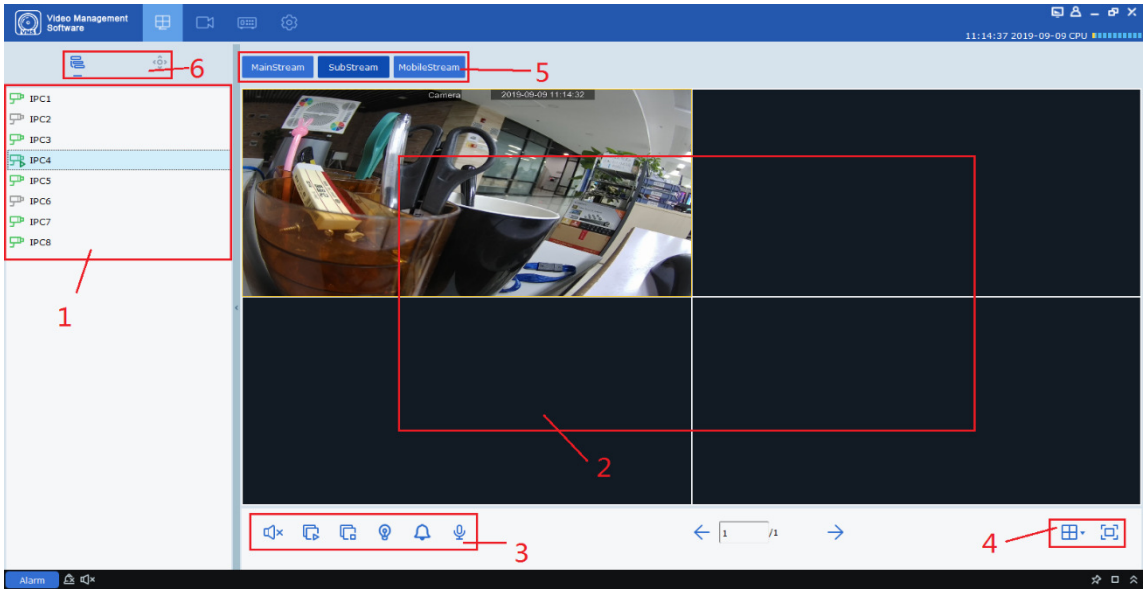
Section XI Login to Device

11.1 Login to device

Step 1: Double click on

.

Step 2: After the system displays the login interface, click on the "Device Login" option on the left to switch to the Device Login interface.



Step 3: Set parameters, as detailed in Table 2-3.

Step 4: Click on "Login" to enter the interface as shown in Figure 11-1. See Table 11-1 for more details.

Figure 11-1 Device Login Interface

SN	Name	Description
1	Equipment area	Displays all devices bound to the IP currently logged in.
2	Preview area	Properly connected devices will display the frame.
3	Control area	Controls sound and playback of all frames.
4	Interface area	Sets the number of windows and full-screen display.
5	Stream area	Choose proper stream for playback.
6	Switching area	Toggle display of device tree and fish-eye device cradle head control.

Table 11-1 Parameter Description

11.2 Remote video playback

Step 1: On the function tab, click on "Remote Playback" to enter the remote video playback interface, as shown in Figure 11-2-1.

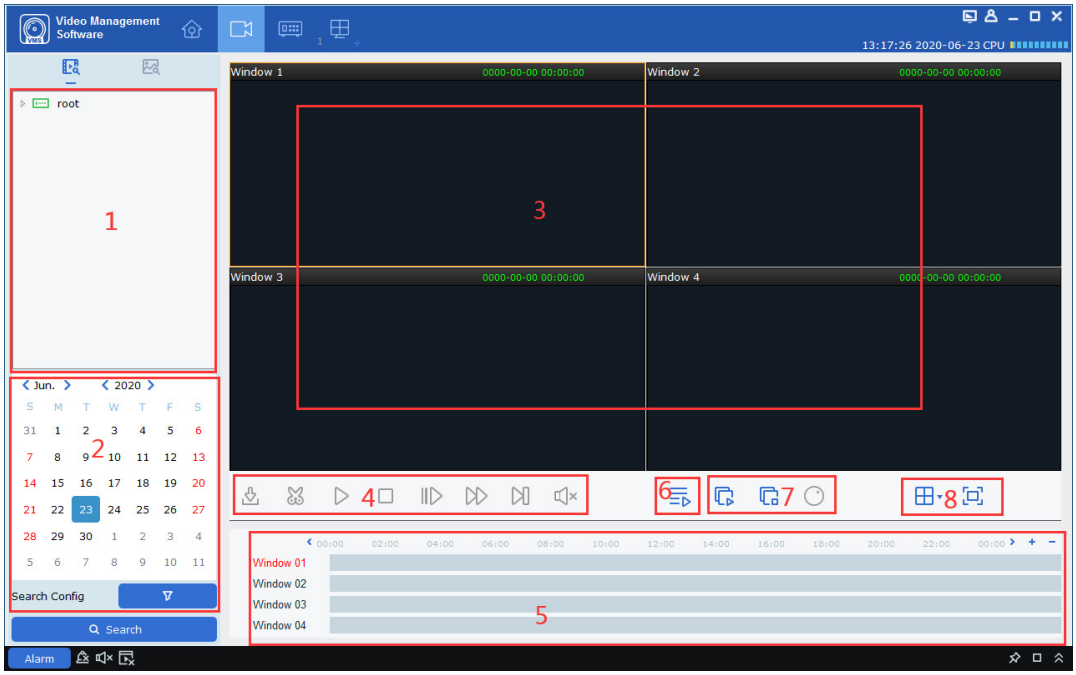


Figure 11-2-1 Remote Video Playback

See Table 11-2 for more details.

SN	Name	Description
1	Date	Set the recording type, code stream, start and end times in "Search Config", and then click on "Search", and the recording information will be displayed in the time progress box.
2	Device tree	Select the device that needs to be played back.
3	Video playback area	The windows in preview area can be divided by various pattern. Screen-shot, video recording and electronic amplification are available during preview. **Screen-shot:** Select a video window with preview enabled, click on in the window or right click on Capture to capture a single screen-shot. **Electron amplification:** Select a video window with preview enabled, and click on . **Recording:** Select a video window with preview enabled, and click on .
4	Playback control area	Control how video is played back and volume of playback. • Start playback. • Pause playback. • Stop playback. • Playback by single frame. • Play back at higher speed • Play back at lower speed • Edit and export video clip. • Export video. Click on or to turn on audio and adjust volume.
5	Progress area	Displays existing video information.
6	Smart search	Click on it to enter smart search playback interface, as shown in 11.2.1.
7	Video control area	Play video in all channels from the same point of time. Stop recording in all channels. Special mode for fish-eye device.
8	Set the video window and display mode	Click on to choose a desired video window display mode. Click on or right-click on Fullscreen to choose full screen display mode.

Table 11-2 Parameter Description

11.2.1 Smart Search

Click on to enter smart search as shown in Figure 11.2.1 below.

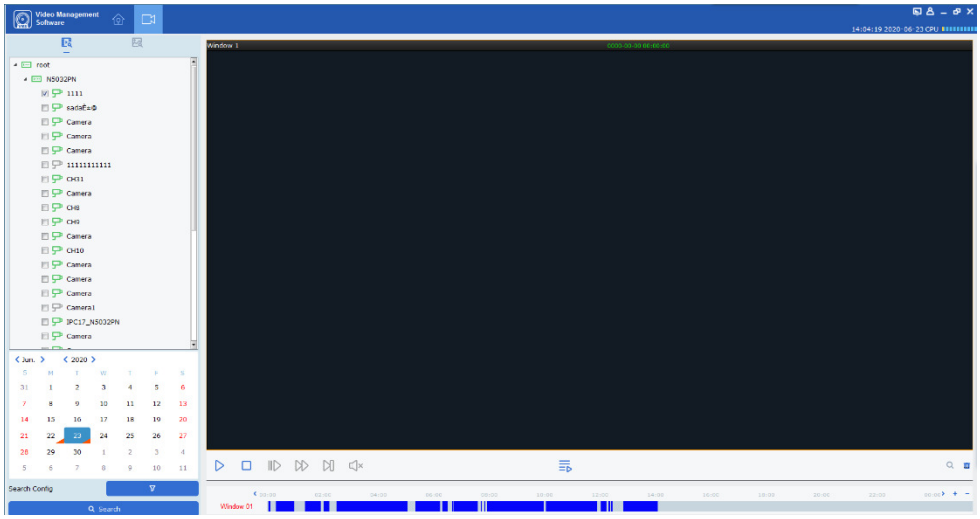


Figure 11.2.1-1

Smart Search will start recording when there is any change in the frame. Only one channel will be chosen for search (the same as NVR and DVR). During playback, it will be detected whether there is any change in the frame. Specify a detection area and then click on to start search. Click on to clear the detection area. By default, the whole area will be chosen, as shown in Figure 11.2.1-2.

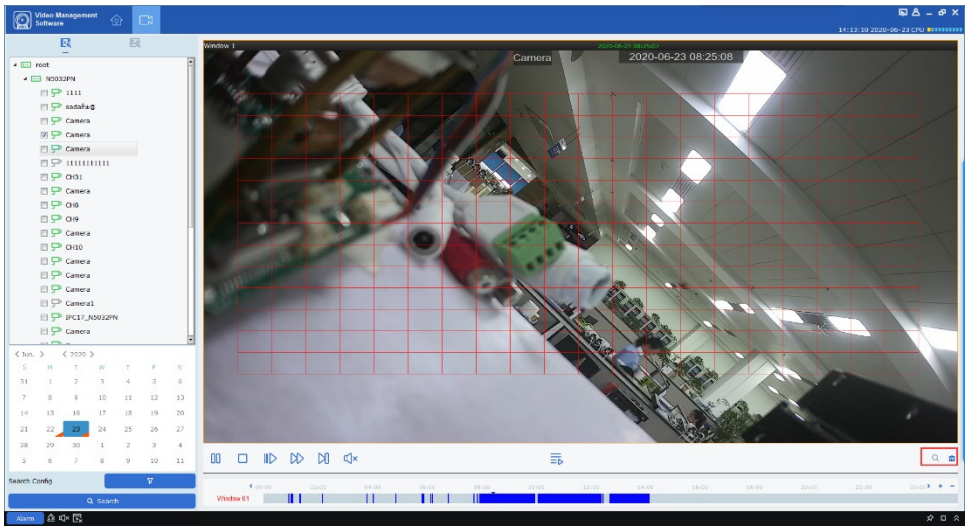


Figure 11.2.1-2

11.3 Export recorded video

Step 1: Choose a video window where playback is active, and click on in the playback control area to pop up a dialog box as shown in Figure 11-3-1.

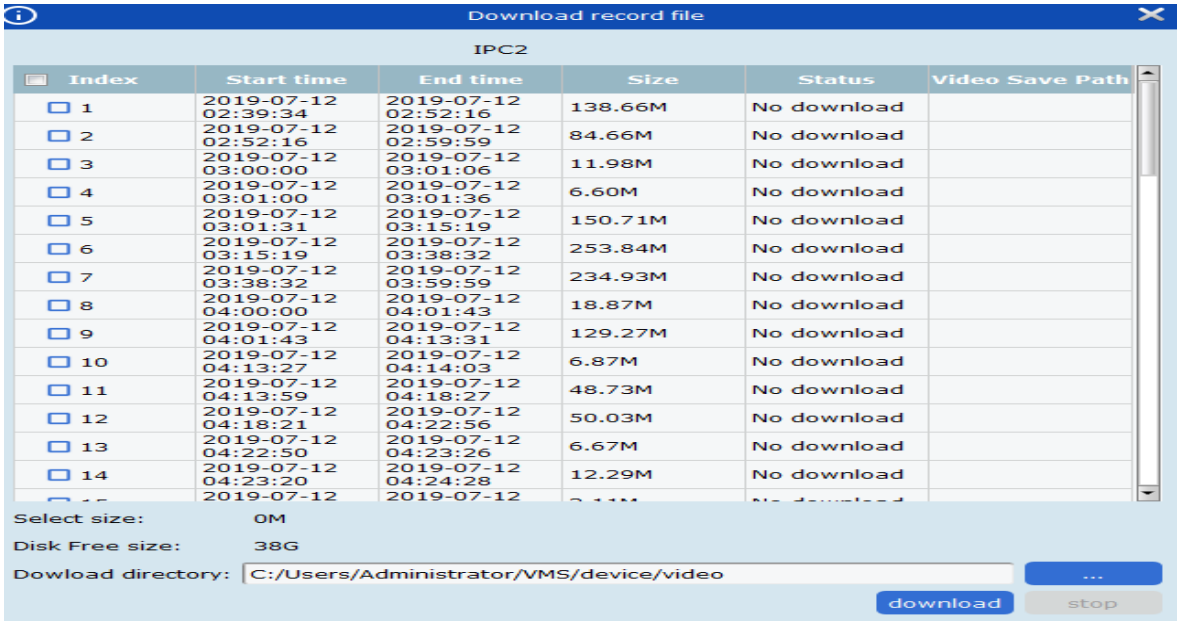


Figure 11-3-1 Export Video

Step 2: Check the video to be exported, and then set a path where it will be saved.

Step 3: Click "Download" to start export.

Notes: See "Section 8 System Configuration" for more details.

11.4 System Configuration

Click on "System Config" in the function tab to enter the system configuration interface. See "Section 8 System Configuration" for more details.

Section XII Face detection

Face detection function is available only for detection and shooting the face of persons within specified area. It allows recognition of facial features of the captured face. Allows human/vehicle form recognition.

12.1 Face recognition and search

Step 1: Click on "Face Search" in the main menu to enter the face search interface, as shown in Figure 12-1.

Notes: The device must allow face recognition.

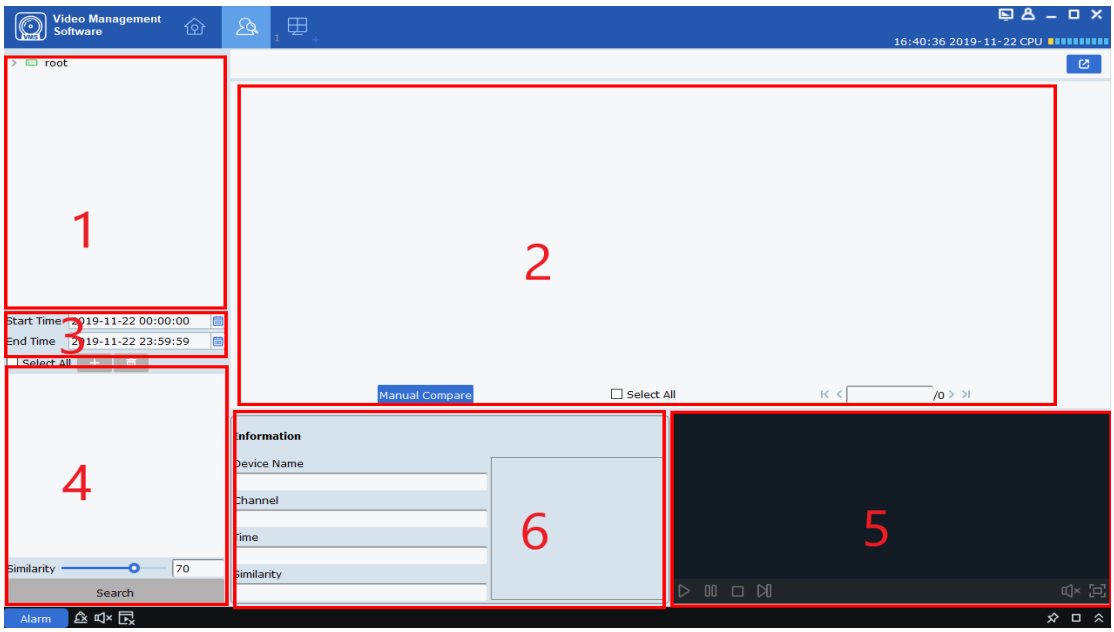


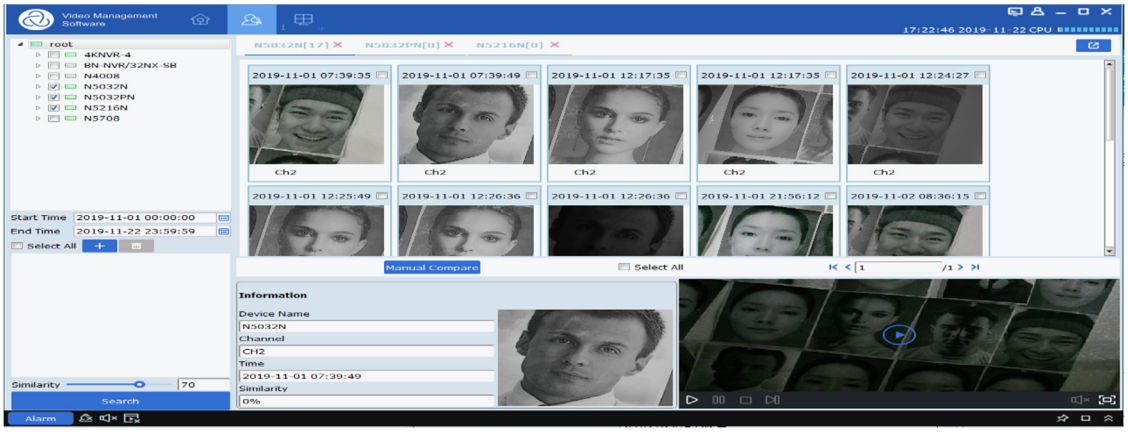
Figure 12-1-1. Face Search Interface

See Table 12-1 for more details.

SN	Name	Description
1	Device tree	List device channels.
2	Search results display area	Displays images that are found based on settings.
3	Search setting area	Set the time frame for the search;
4	Comparison search area	Click on + to add an image, either a local image or a device image. Click on Similarity to set similarity and click on Search to make a comparison search.
5	Video playback area	Select the specified video in the search results area and play it in the playback area.
6	Face information	Display the face information in the database

Table 12-1 Function Description

Step 2: After selecting the device channel and face group and setting the target date, click on "Search", and the system will display results as shown in Figure 12-3.



Select an image + in the device and click on Manual Compare button to search based on similarity. Click on a card to display details and play the video below.

Figure 12-1-3 Search Results

Step 3: Click the picture you want to view the video, Click on in the video playback area to enter the video playback interface, and click on to enter the full-screen display mode, as shown in Figure 12-4. For more details, see" Table 6-1 Overview of Playback Functions ".

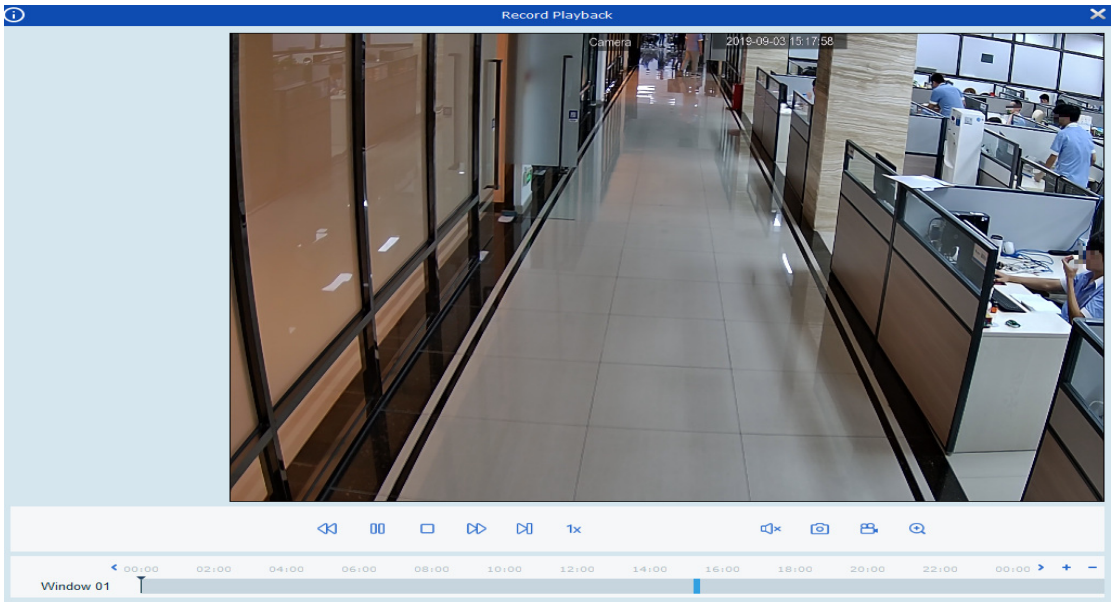


Figure 12-1-4 Image Slide Show

12.2 Comparison search

Step 1: Click on "Face Search" in the main menu to enter the face search interface, as shown in 12-1-1 above.

Notes: The device must allow face recognition.

Step 2: After selecting the device channel and face group and setting the search date, click on to add face pictures (either local pictures or pictures in the device).

Specify search similarity Similarity 80 %, and finally click on Search.

The system will display a page as shown in 12-1-3.

Section XIII Face Attendance

Face attendance. The face attendance is similar to the face search, which is essentially to search the snapshot face similar to the selected face in database, and then make relevant classification and counting display by the start and end times.

13.1 Face attendance search

Step 1: Click on "Face Attendance" in the main menu and the system enters the face search interface, as shown in Figure 13-1.

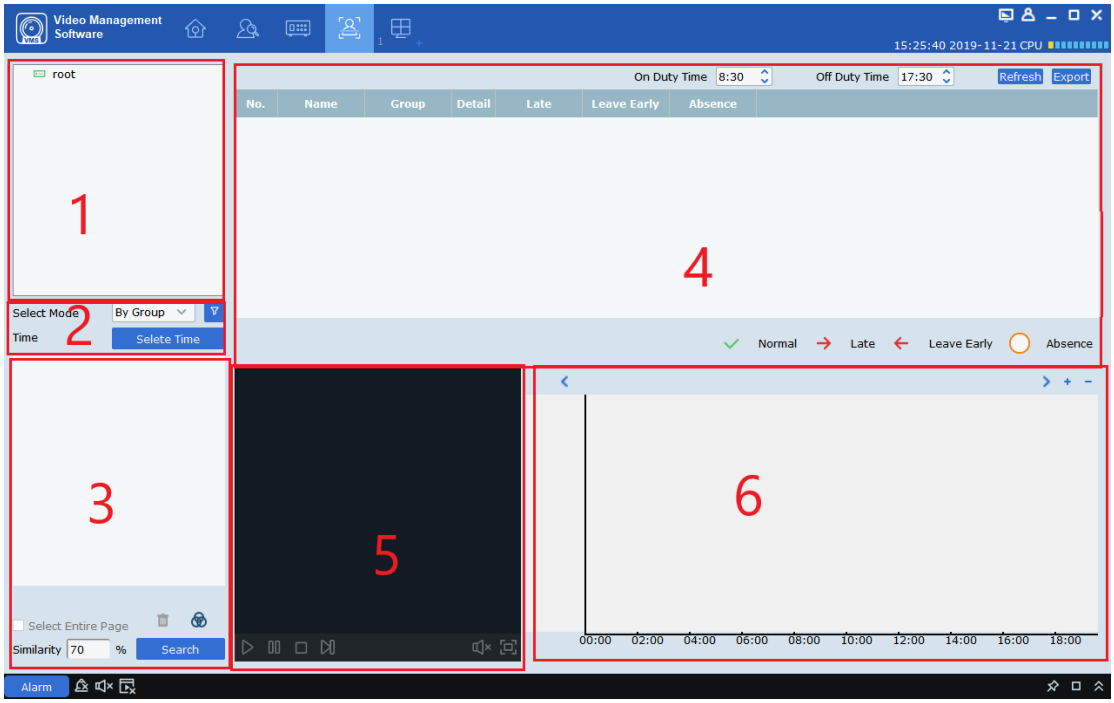


Figure 13-1 Face Attendance Interface

SN	Name	Description
1	Device tree	List the channels for the device.
2	Select the device mode and time to search	Search through equipment and time to find out all the people who need attendance
3	Human search display area	Display the portrait of the person searched by device and time
4	Attendance details display area	Based on the working hours, it shows the attendance of selected person over a period of time
5	Video playback area	Select the specified video in the search results area and play it in the playback area.
6	Playback video time display area	Display how many times a selected person appears in the video over a period of time.

Table 13-2 Function Description

Step 2: After selecting the device channel and face group and setting the target date, click on "Search", and the system will display results as shown in Figure 13-1-3.

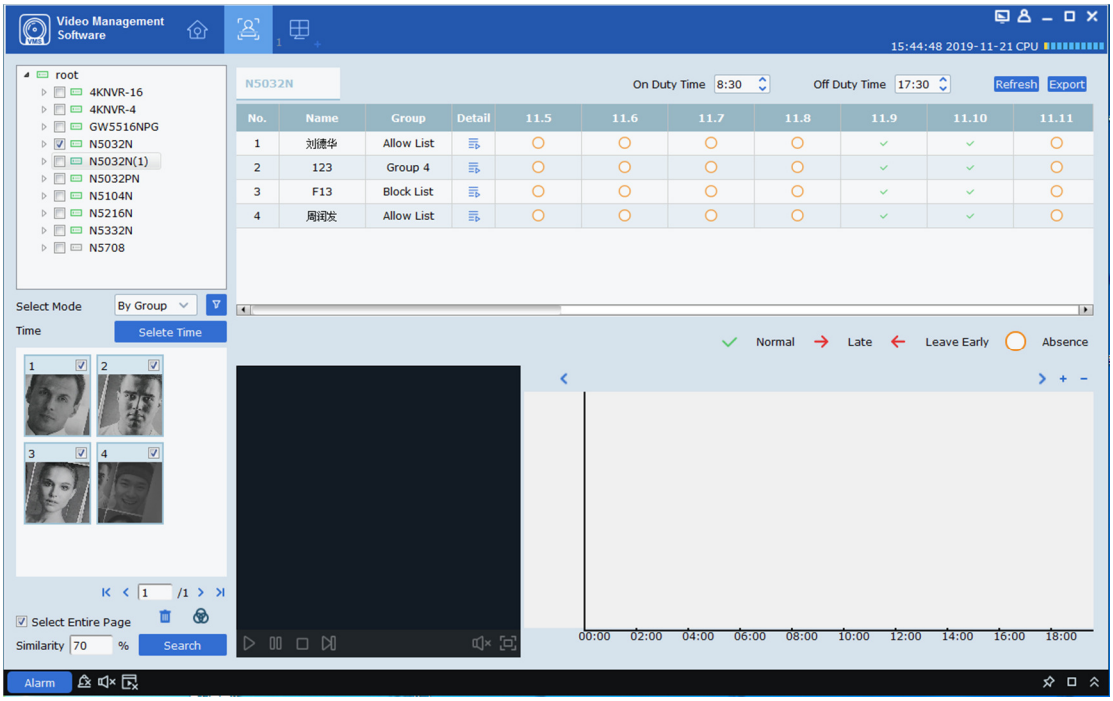


Figure 13-3 Display of Search Results

Step 3: In the attendance details display area, you can set working hours. Base on it the selected person's name and group and attendance within a period of time are displayed, including specific information on the person, as shown in Figure 13-4.

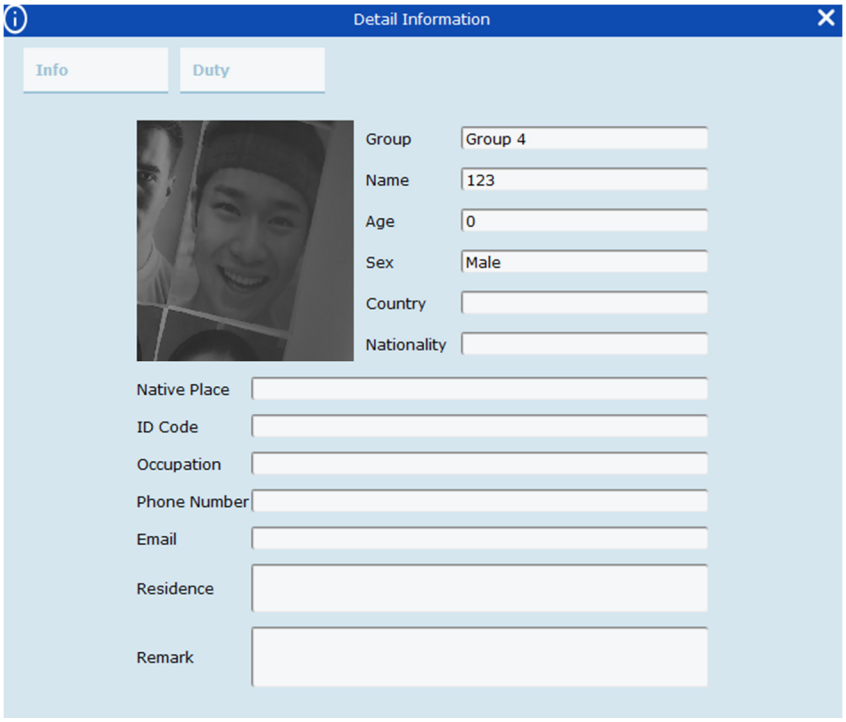


Figure 13-4 Display of Details

In each day, means normal attendance; means late attendance; means early leave; means absence. In the upper right corner of the table, the button Refresh can update the table. The button Export is the export button, which can export the attendance information.

Step 4: For the video playback function, please refer to Table 6-1 for details. You can select the video that needs to be played back according to the figure on the right of the video playback area. This figure can show the number and time of appearance in the frame during a day.

Section XIV Repeat Visitors

(1) AI_searchSnapedFaces message is used to search all faces meeting given relevant conditions;

(2) AI_getSnapedFeaturesId message is used to obtain all ID and feature ID meeting relevant conditions;

(3) AI_filterSnapedFaces message is used circularly to obtain the filtering results until all faces are filtered.

(4) AI_matchAddedFaces message is used to obtain the identity information on all repeat visitors;

(5) Summarize identity information and merge repeat visitors with the same identity information.

14.1 Search for repeat visitors

Step 1: Click on "Repeat Visitors" in the main menu to enter the face search interface, as shown in Figure 14-1.

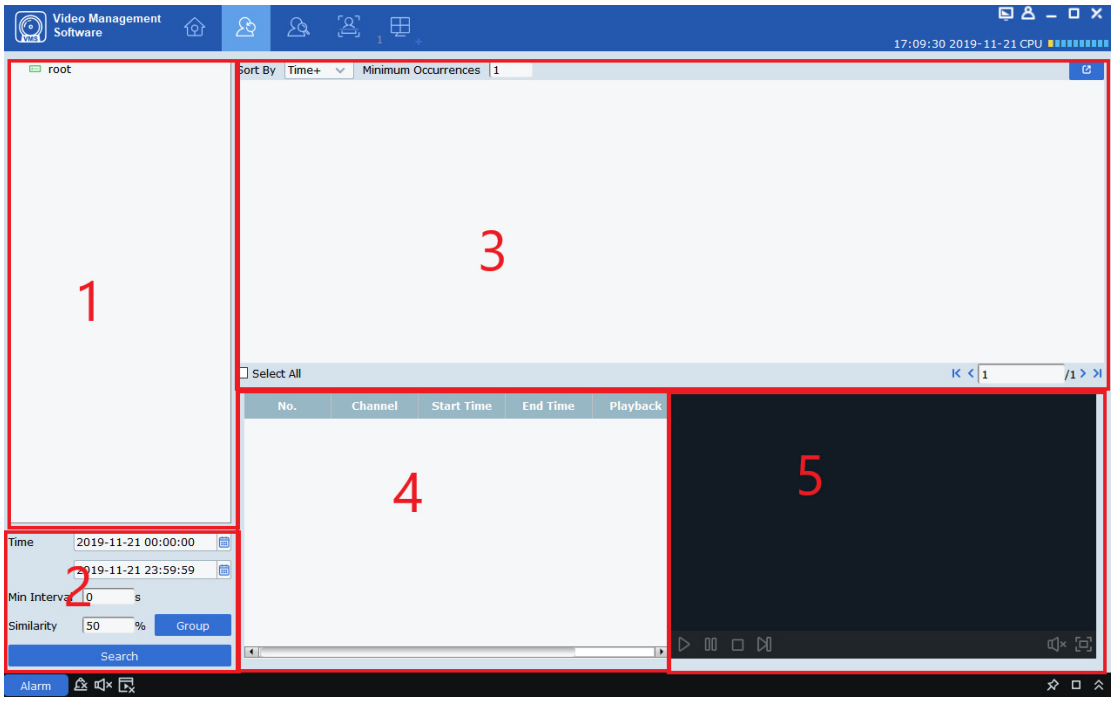


Figure 14-1-1 Repeat Visitor Interface

SN	Name	Description
1	Device tree	List the channels for the device.
2	Select the time frame you want to search	The frequency of face appearance is searched by time frame, minimum time of face appearance and similarity.
3	Human search display area	Display the portrait of the person searched by device and times of appearance.
4	Repeat visitor information display area	Show in chronological order the number of repeat visitors, the time, and the device channel in which the shot was taken.
5	Video playback area	Select the specified video in the repeat information display area and play it in the playback area.

Table 14-2 Function Description

Step 2: Select a device or group of devices and select the time to be searched, the Min Interval and Similarity. Choose the group for a person in Group, and click on Search button to start search, as shown in Figure 14-3.

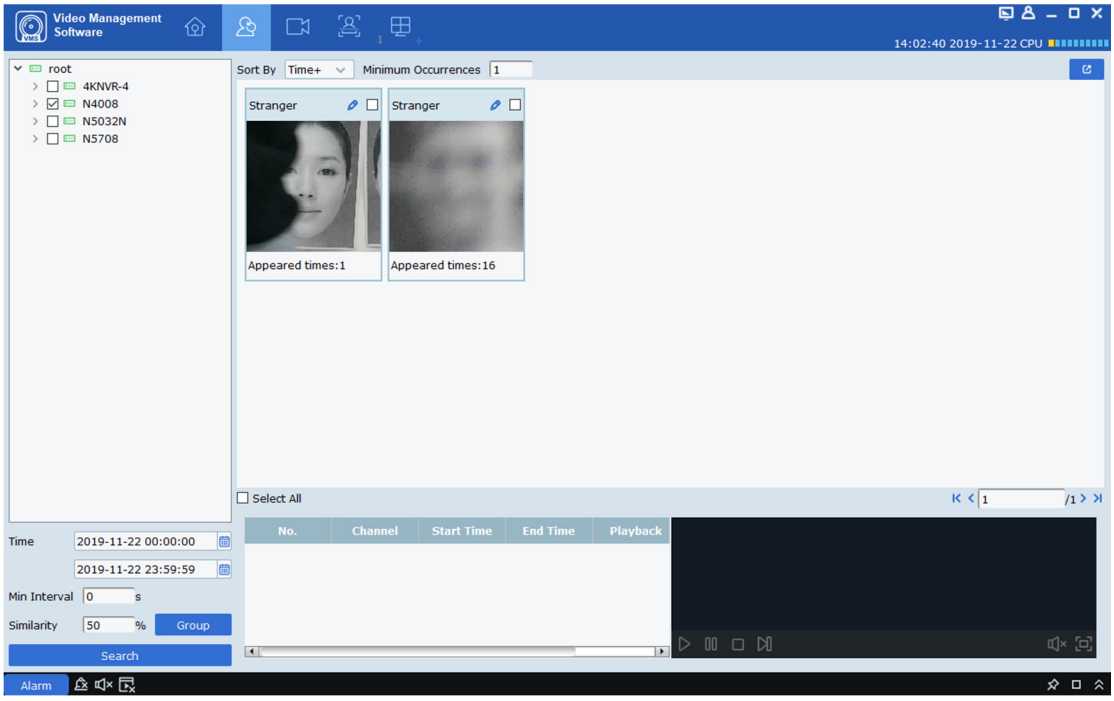
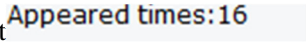


Figure 14-3 Search Results

Step 3: In search result display area, the search results are displayed in the form of cards, which consists of three parts, appearance frequency at the lower part 

, portrait in the middle, and name, and checked at the upper part

. First search stored information for the name. If no result is found, it will be displayed as Stranger. Click on the button to enter the detailed information page. In this page, if the repeat visitor is the person stored in the device, the detailed information will appear, as shown in Figure 14-4.

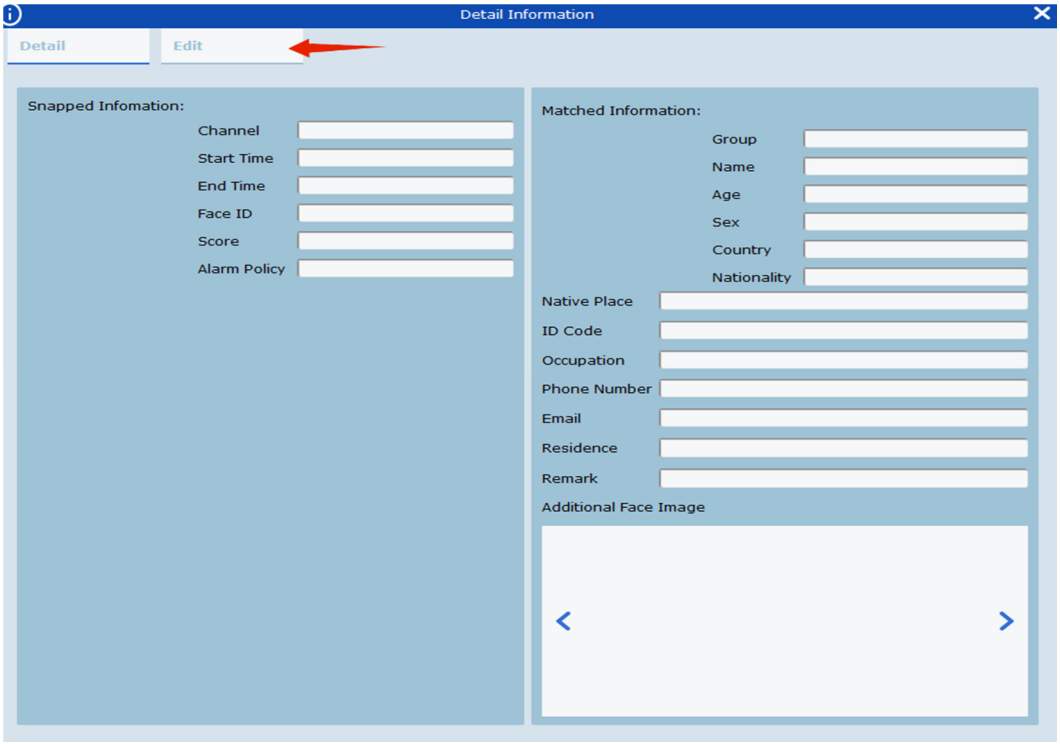


Figure 14-4 Details Interface

In this interface, for a stranger, there is no other information. If you know that person, you can add that person's information to the device. Click on the button pointed by the arrow in the figure above to enter the interface as shown in 14-5.

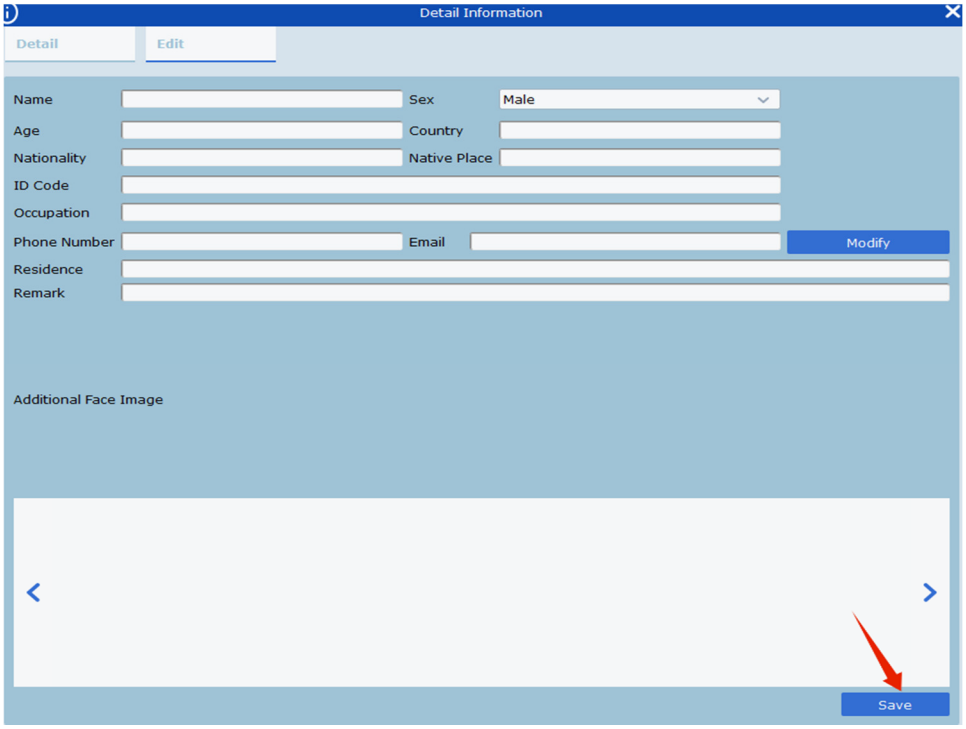


Figure 14-5 Input information Interface

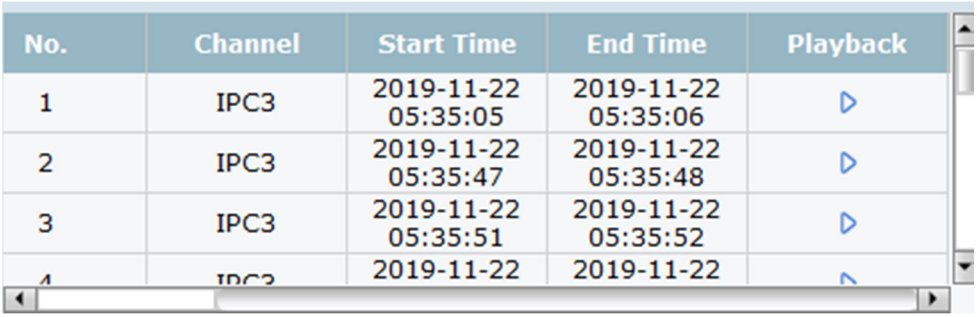
After filling in, click on Save button indicated by the arrow in the figure above to save the information into the device.

In the box on the right of

, check it or select All at the bottom,

and then click on the button in the upper right corner to export the information found.

Step 4: Click on a card to display the information bar at the bottom of each repeat customer, as shown in 14-6.



No.	Channel	Start Time	End Time	Playback
1	IPC3	2019-11-22 05:35:05	2019-11-22 05:35:06	
2	IPC3	2019-11-22 05:35:47	2019-11-22 05:35:48	
3	IPC3	2019-11-22 05:35:51	2019-11-22 05:35:52	
4	IPC3	2019-11-22	2019-11-22	

Figure 14-6 Information Display Bar

This information bar shows the recording channel in chronological order, the shooting time, video Playback. Click on the button in Video Playback to playback the video in the video playback

window on the right (see Table 6-1 for more details).

Section XV Search for Human and Vehicle

It is used to search for human and vehicle.

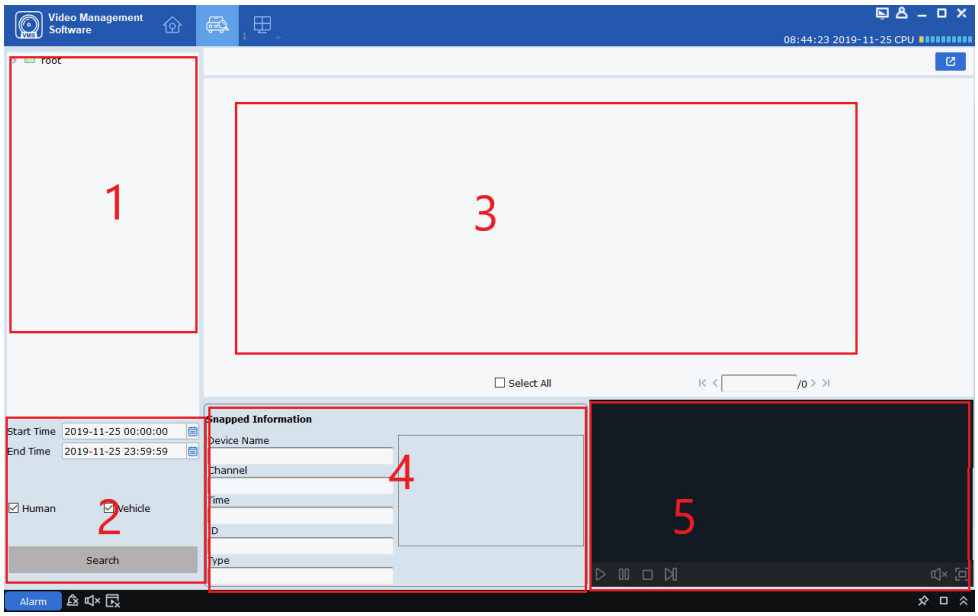


Figure 15-1 Search for Human and Vehicle Type

SN	Name	Description
1	Device tree	List the channels for the device.
2	Select the time frame you want to search	Select the time frame to search, check the person or vehicle to search, and then click on Search.
3	Human and vehicle search display area	Display image of the human and vehicle found by the time frame.
4	Device information display area	Display the details on the device
5	Video playback area	Playback video

Table 15-1 Human/Vehicle Search Interface Description

Step 1: Select a device or device group from the device tree.

Step 2: Select the time frame to search at the bottom of the device tree, check the person or vehicle to search, and then click on Search.

Step 3: The search results are displayed in the display area in the form of cards. Click on a card to display details on the device at the bottom, and to play back the video in the playback area.

Check the box in the top right corner of the card and click the button in the top right corner of the page to export the information.

Section XVI Fish-Eye View Mode

Only the fish-eye device allows setting of the installation mode and view mode, and the view mode corresponding to different installation modes is shown in Table 16-1.

Parameters	Description	
View mode	The rendering mode of the current video screen (the default supports the original image mode). According to different installation modes, other different rendering modes are available as follows: 1) Ceiling mounted: VR, cylinder, 1P, 1P+1, 1P+3, 1P+6, 1P+8, 1+3, 1+8, 2, 2P, 4. 2) Wall mounted: VR, 1P, 1P+3, 1P+8, 1+3, 1+8, 4. 3) Floor mounted: VR, cylinder, 1P, 1P+1, 1P+3, 1P+6, 1P+8, 1+3, 1+8, 2P, 4.	
Ceiling/wall/floor mounted	: Original image	A raw image which has not been corrected.
Parameters	**Description**	
Ceiling mounted	: 2	2 independent sub-frames, which allows doubling and moving operations.
Ceiling//floor mounted	: VR	VR mode, double-click to enter, which allows doubling and moving operations.
	: cylinder	Cylindrical display mode, which can be stretched into a plane, which allows moving operation.
	: 4	4 independent sub-frames, which allows doubling and moving operations.
	: 2P	Two associated 180° rectangular expansion screens, and the two sub-windows at any time constitute a 360° panorama, also known as "double panorama". The two rectangular expansion screens allow the operation of moving the starting laterally, and interaction.
	: 1P	A 360° rectangular panorama is expanded, which allows moving operation.

	: 1P+1	A 360° rectangular panorama expanded +1 independent sub-screen. Sub-screen and sub-box in rectangular panorama expanded allow doubling and moving operations. Rectangular panorama expansion does not allow doubling and moving operations.
	: 1P+3	A 360° rectangular panorama expanded +3 independent sub-screen. Sub-screen and sub-box in rectangular panorama expanded allow doubling and moving operations. Rectangular panorama expansion does not allow doubling and moving operations.
	: 1P+6	A 360° rectangular panorama expanded +6 independent sub-screen. Sub-screen and sub-box in rectangular panorama expanded allow doubling and moving operations. Rectangular panorama expansion does not allow doubling and moving operations.
	: 1P+8	A 360° rectangular panorama expanded +8 independent sub-screen. Sub-screen and sub-box in rectangular panorama expanded allow doubling and moving operations. Rectangular panorama expansion does not allow doubling and moving operations.
Ceiling//floor mounted	: 1+3	An original image +3 independent sub-images, and the sub-frames in the sub-images and the original image all allow doubling and moving operations. The original image allows doubling operation.
	: 1+8	An original image +8 independent sub-images, and the sub-frames in the sub-images and the original image all allow doubling and moving operations. The original image allows doubling operation.
Parameters	**Description**	
Wall mounted	: VR	VR mode, double-click to enter, which allows doubling and moving operations.
	: 1P	A 360° rectangular panorama is expanded laterally, changing the vertical angle of view. It does not allow doubling and moving operations.
	: 4	4 independent sub-frames, which allows doubling and moving operations.
	: 1P+3	A 360° rectangular panorama expanded +3 independent sub-screen. Sub-screen and sub-box in rectangular panorama expanded allow doubling and moving operations. Rectangular panorama expansion changes vertical angle of view, but does not allows doubling and moving operations.

	: 1P+8	A 360° rectangular panorama expanded +8 independent sub-screen. Sub-screen and sub-box in rectangular panorama expanded allow doubling and moving operations. Rectangular panorama expansion changes vertical angle of view, but does not allows doubling and moving operations.
	: 1+3	An original image +3 independent sub-images, and the sub-frames in the sub-images and the original image all allow doubling and moving operations. The original image allows doubling and moving operations.
	: 1+8	An original image +8 independent sub-images, and the sub-frames in the sub-images and the original image all allow doubling and moving operations. The original image allows doubling and moving operations.

Table 16-1 View Mode

16.1 Access Fish-Eye Mode during Live Preview

Step 1: Click on or right-click on Fisheye in the preview window to access fish-eye mode, as shown in Figure 16-1-1. See Table 16-2 for more details.

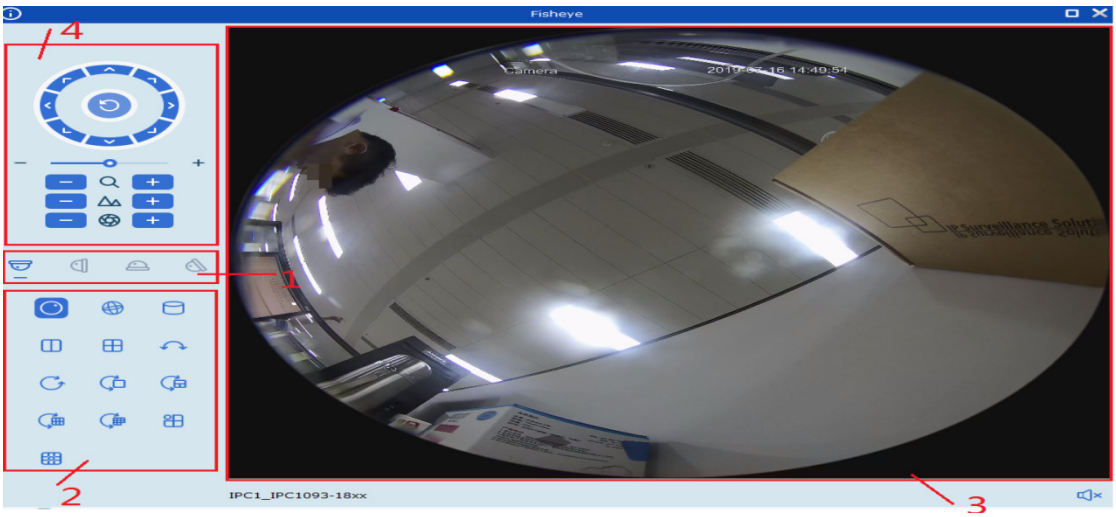


Figure 16-1-1 Fish-Eye Mode

SN	Parameters	Description
1	Fish-eye installation mode	Switch to fish-eye installation mode.
2	Fish-eye view mode	Switch to fish-eye view mode.
3	Real-time interface	Real-time display of fish-eye window view.
4	Cradle head control	Use the control panel to adjust the fish-eye window view.

Table 16-2 Overview of Fish-Eye Interface Functions

Step 2: With the fish-eye installation mode and view mode set properly, the fish-eye equipment can be controlled with cradle head.

Notes: The control panel of the cradle head may vary depending on different equipment. Please refer to the interface for details.

- Select a PTZ window and click on one of the direction buttons to adjust the perspective.
- Select a PTZ window and click on to enable automatic scanning. Click again to stop automatic scanning.
- : Drag the slider to adjust the speed of the PTZ motion.
- : Select a PTZ window, click on or to zoom in /out the selected PTZ window, or scroll the mouse wheel back and forth to focus.

16.2 Access Fish-Eye Mode during Playback

Click on in the playback window to access fish-eye mode. Refer to Section 16.1 for more details.

Section XVII Alarm Setting

Open the main menu and click to enter it. You can enable and set various types of alarms for the channel.

Table 17.1 Overview of Alarm Interface

Select "Alarm Config" from the main menu to enter the alarm setting interface, as shown in Figure 14-1. See Table 17-1 for more details.

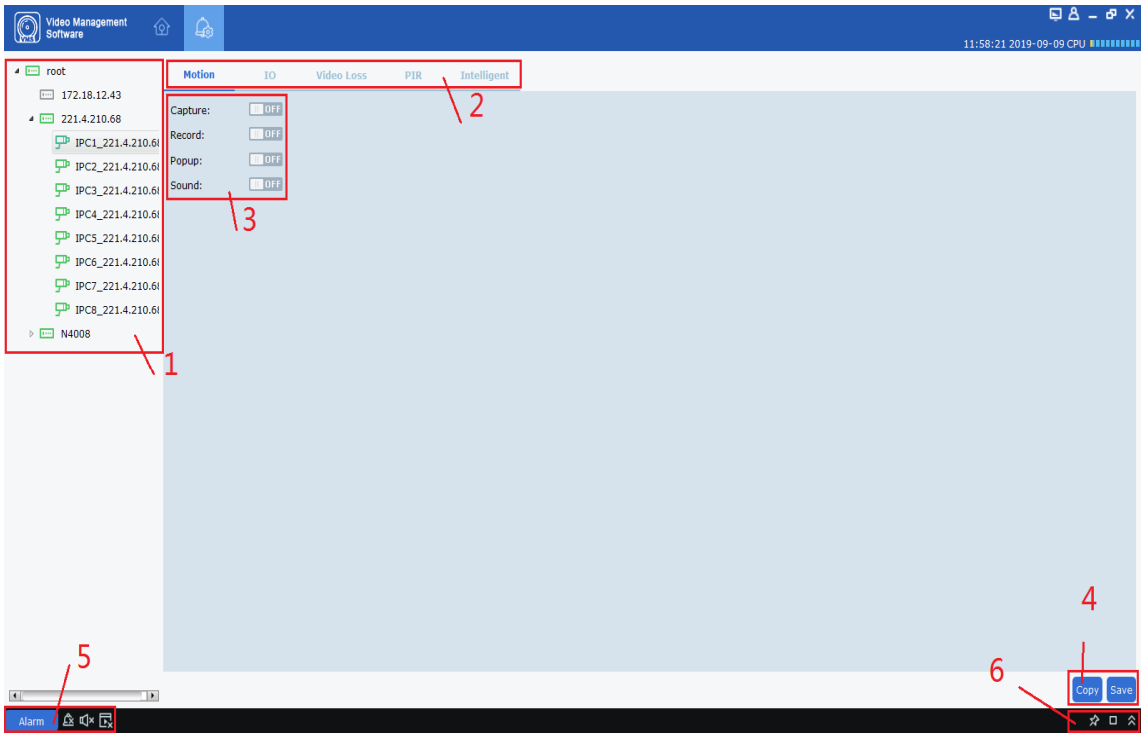


Figure 17-1-1 Alarm Setting Interface

SN	Parameters	Description
1	Device list	Open the device group and select a channel.
2	Alarm type	Alarm types include: • Motion • I/O • Video Loss • PIR • Intelligent
3	Alarm triggering operation	Alarms triggers include: • Capture • Record • Popup • Sound
4	Copy and save	Click Copy to copy the alarm trigger for this channel to other channels or channels of other devices, and click Save to save the settings.
5	Trigger alarm information window, pop-up window and sound	Click on Alarm to pop up the alarm trigger information window; Click on to delete the existing alarm information in the pop-up window; Click on to enable audible alarm, and click on to disable it. Click on to enable pop-up alarm message, and click on to disable it.
6	Alarm thumbnail and zoom-in of alarm trigger message window	Click on under Enable/disable auto hide to hide alarm thumbnail in preview area. Click on to zoom in the pop-up alarm trigger message; Click on to unfold or fold the alarm trigger message window;

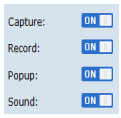
Table 17-1-2 Alarm Settings

17.2 Alarm settings

Step 1: Open a device from the device list and choose a channel for the device.

Step 2: Choose an alarm type from

;

Step 3: Enable an alarm trigger under the alarm type, and enable any required options. 

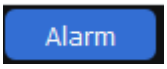
Step 4: Click Save to save;

Step 5: If other channels or devices also need the same alarm triggering operation, click on

and the device channel box will pop up , check the channel to be opened, click on OK to confirm, and then click on Save.(Note: The copy function only takes effect when an alert triggering operation on a certain channel by clicking on

.)

17.3 Trigger alarm information window, pop-up window and sound

- Click on 

at the lower left corner to open the trigger alert information window, as shown in Figure 14-3-1.

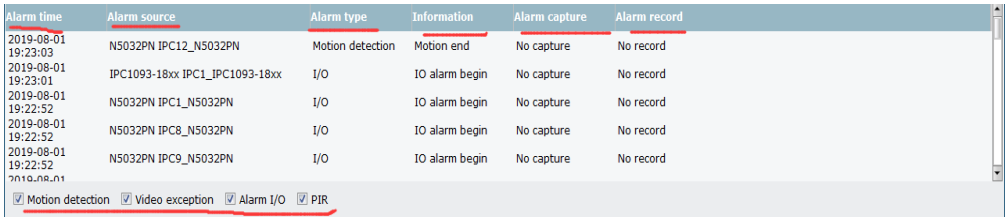


Figure 17-3-1 Alarm Message Window

- In the alarm message window, you can see:

alarm time Alarm time 2019-08-01 19:31:33 ,

alarm source Alarm source N5032PN IPC8_N5032PN ,

alarm type Alarm type I/O ,

alarm message Information Motion begin ,

alarm screen-shot Alarm capture 140_7_IPC23_N5... ,

alarm video Alarm record 126_6_IPC9_N5032PN_20190801193427.rf .

View alarm type selection ☑ Motion detection ☑ Video exception ☑ Alarm I/O ☑ PIR

Click on relevant picture or screen-shot to view the details.

- Click on ◻ to zoom in the alarm message window, as shown in Figure 17-3-2.

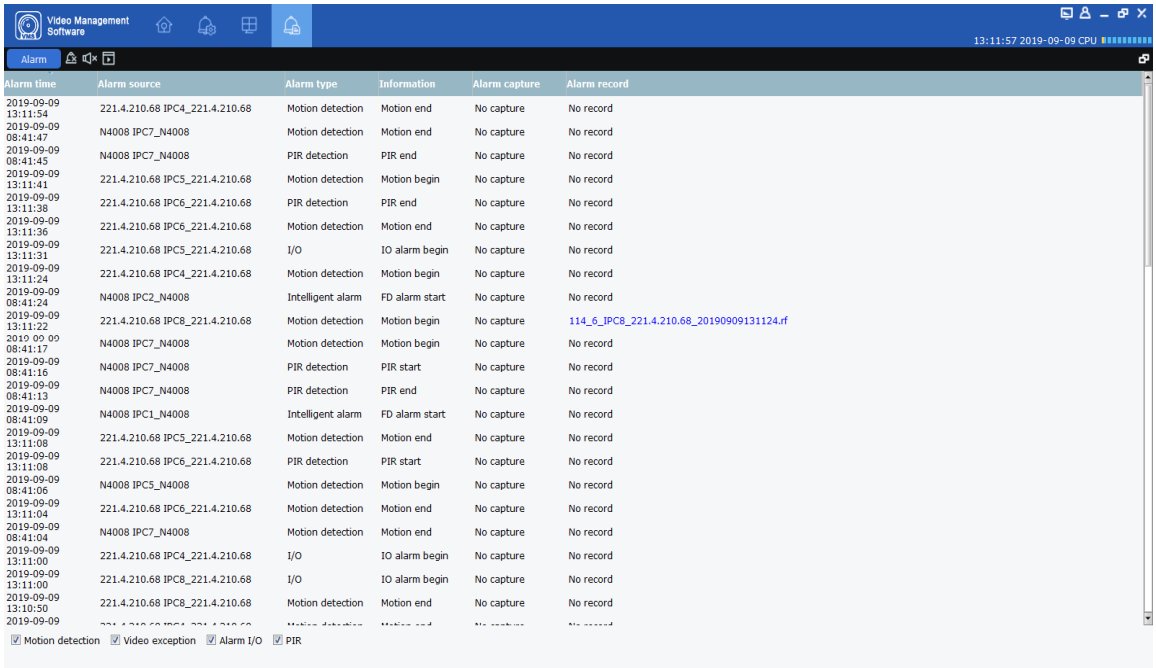


Figure 17-3-2 Alarm Message Window

- After the alarm trigger is enabled, the device channel real-time preview pop-up will appear when the alarm is triggered, and the alarm situation can be checked in real time, as shown in Figure 17-3-3.

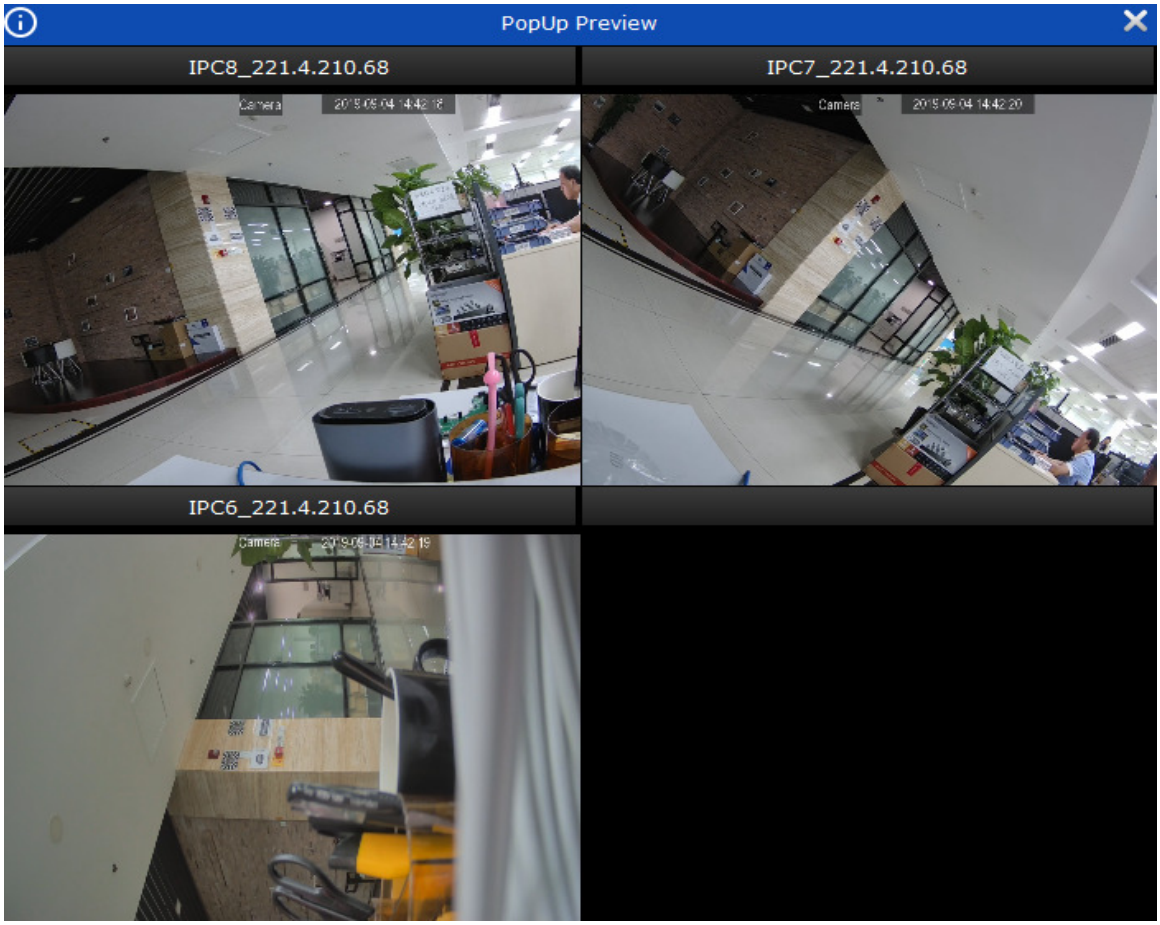


Figure 17-3-2 Alarm Pop-Up Preview

Section XVIII Local Playback

18.1 Overview of Local Playback

You can play back and export videos and images at client. Select "Local Playback" from main menu to enter the playback interface, as shown in Figure 18-1. See table 18-1-1 for more details.

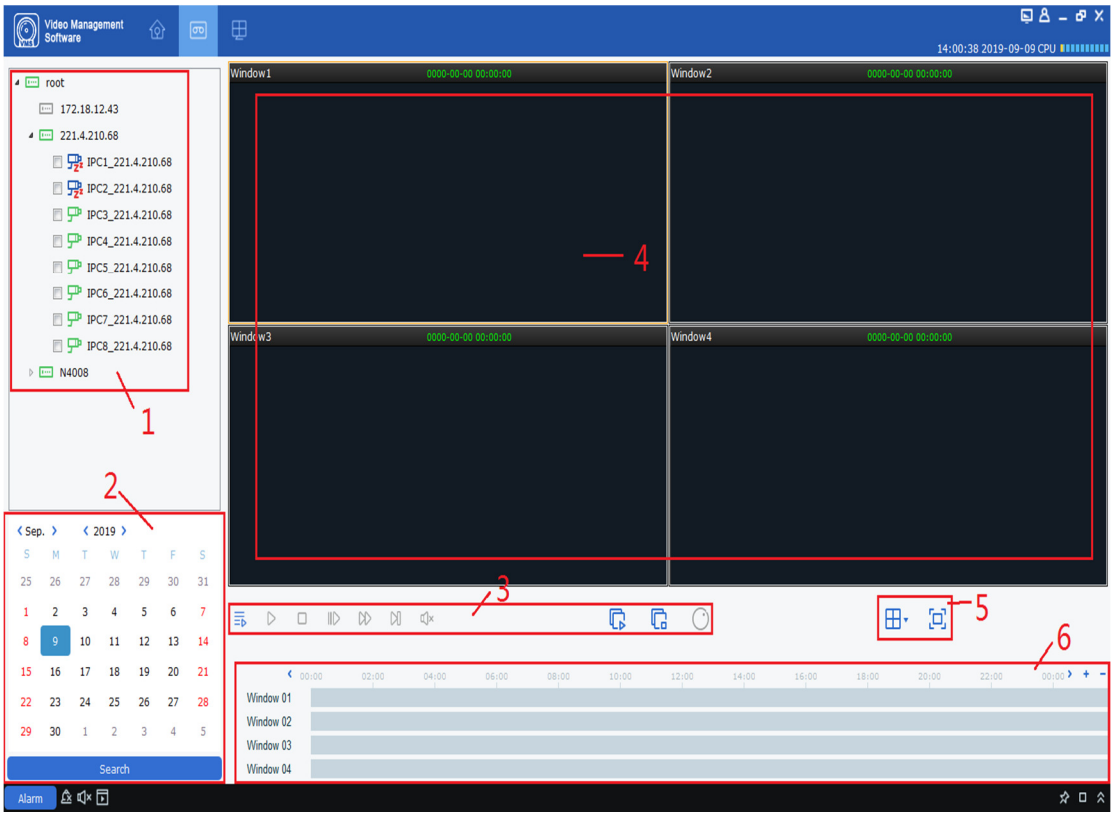


Figure 18-1-1 Local Playback Page

SN	Function	Description	Operation	
1	Device tree	The device group shows the groups and channels of the device. For settings of default device group, see "8. System Configuration".		
2	Date & time of access	Video playback search time	After selecting the device in the "Device tree", select the date to search for playback. If there is a video on that date, there will be an index at the lower right corner of the date, and then click on "Search".	
3	Playback control bar	Control how video is played back and volume of playback.		Whether to sync playback.
				Start playback of videos.
				Pause playback.
				Stop playback .
				Playback by single frame.
				Fast-forward and play the video.
				Play back the video at low speed.
				Start video playback in all channels.
				Stop video playback in all channels.
				Enable fish-eye mode.
4	Playback window	Video playback display area	Screen-shot	Select the playback window, click on or right click on Capture to capture a single image.
			Zoom-in	Select a video window with preview enabled, and click on .
			Stop playing	Select a video window with preview enabled, and click on or right click on Stop Play.
			Recording	Select a video window with preview enabled, click on in the window or right click on Start record
			Enable fish-eye	Select a video window with preview enabled, click on in the window or right click on Fisheye (available only for fish-eye device).)
			Full screen display	Click on or right click on Fullscreen
SN	**Function**	**Description**	**Operation**	
5	Window control	Set how the video window is displayed		Select the desired display mode and number of video windows.
			or Fullscreen	full-screen display mode.

6	Progress box	Display existing video information	+: Increase accuracy of playback progress bar. −: Decrease accuracy of playback progress bar.
			: You can re-position the progress bar to jump to another display area.

Table 18-1-1 Overview of Playback Functions

18.2 Playback of local video

This playback is a local video operation performed through a local video plan. See "Section 19 Local Video Recording Schedule" for local video playback operations.

Step 1: From the main menu, select "Local Playback" to enter the local video playback screen.

Step 2: In the "Device Group", check the device as required, set the date to be played back at the bottom, and click on "Search". After successful search, the results will be displayed in the progress box, as shown in Figure 18-2-1.

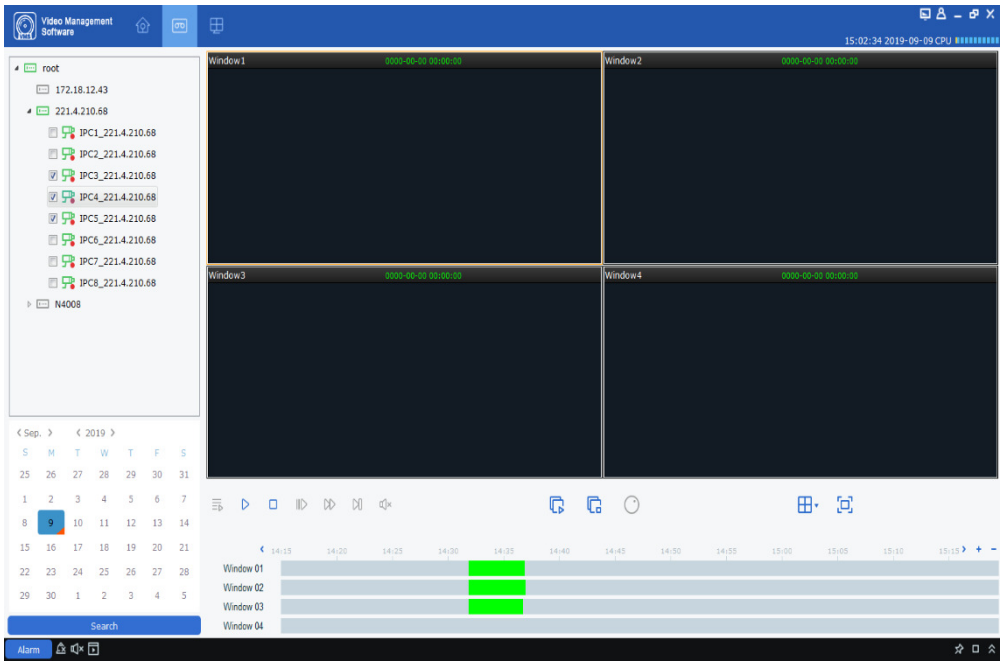


Figure 18-2-1 Search for Local Videos

Step 3: Click on or to start playback, as shown in Figure 18-2-2.

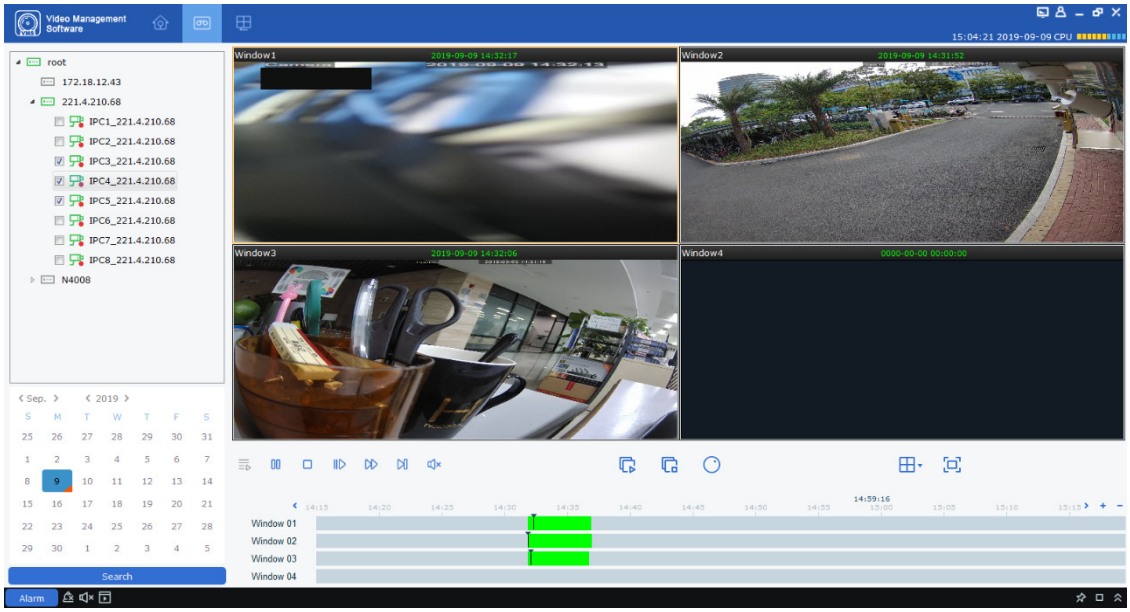


Figure 18-2-2 Playback of Local Videos

Notes: By default, any remote video will be played back asynchronously. To enable synchronous playback, click on to enter the setting page, as shown in Figure 18-2-3. After entering the synchronous play mode, click on to start sync playback or on to stop it.

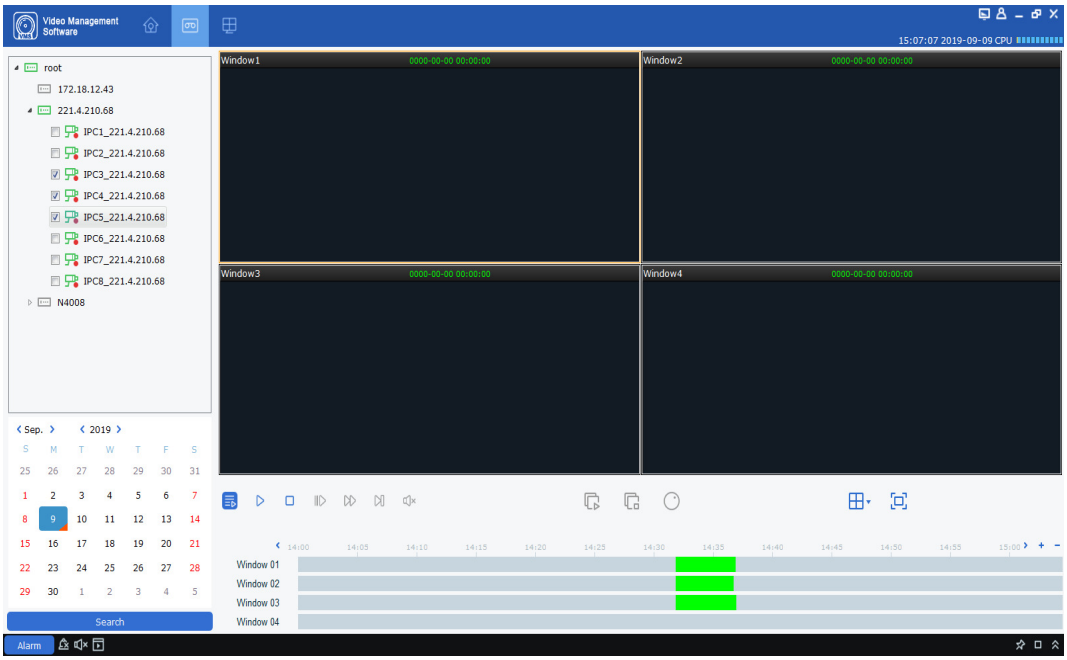
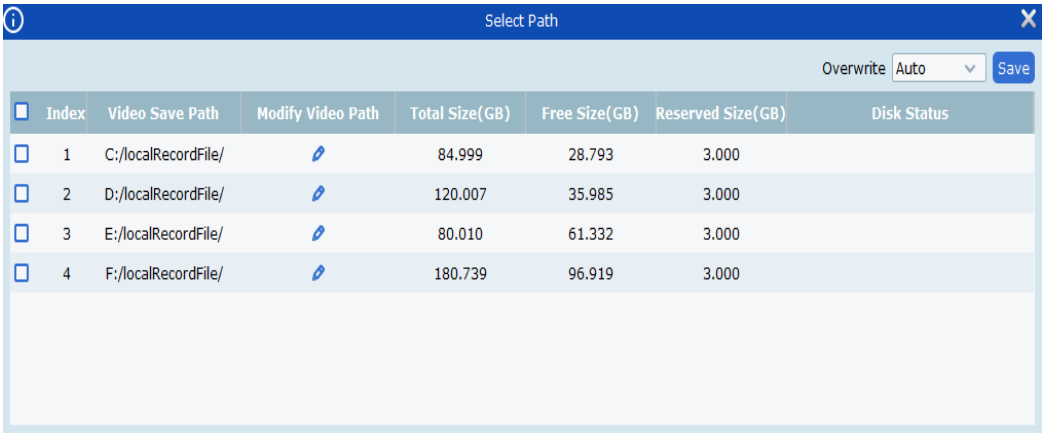


Figure 18-2-3 Setting of Sync Playback

Section XXI Local Video Recording Schedule

The operations on local video schedule are described below.

Step 1: Select "Local Record" from the main menu to pop up a local video recording schedule page, as shown in Figure 19-1-1.



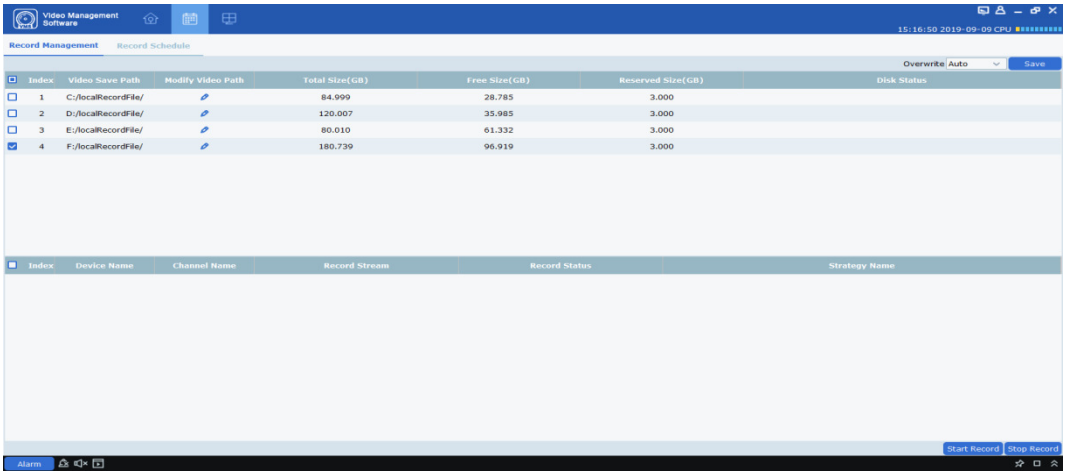


Figure 19-1-1 Select Path Where Video is Saved

Step 2: After selecting the path, click on "Save" to save, and the system enters the local video recording schedule page, as shown in Figure 19-1-2.

Figure 19-1-2 Local Video Recording Schedule

Step 3: Set the memory reserved size under Reserved Size (GB) (by double-clicking on it), then specify the Overwrite time in the upper right corner, and click on Save.

Step 4: Click on "Record Schedule" to enter the video Schedule setting interface. Check the target device from the device tree, specify the time of recording in the grid area on the right side of the interface, hold down the left mouse button and drag to set, and click on "Save" to Save after setting, as shown in Figure. 19-1-3.

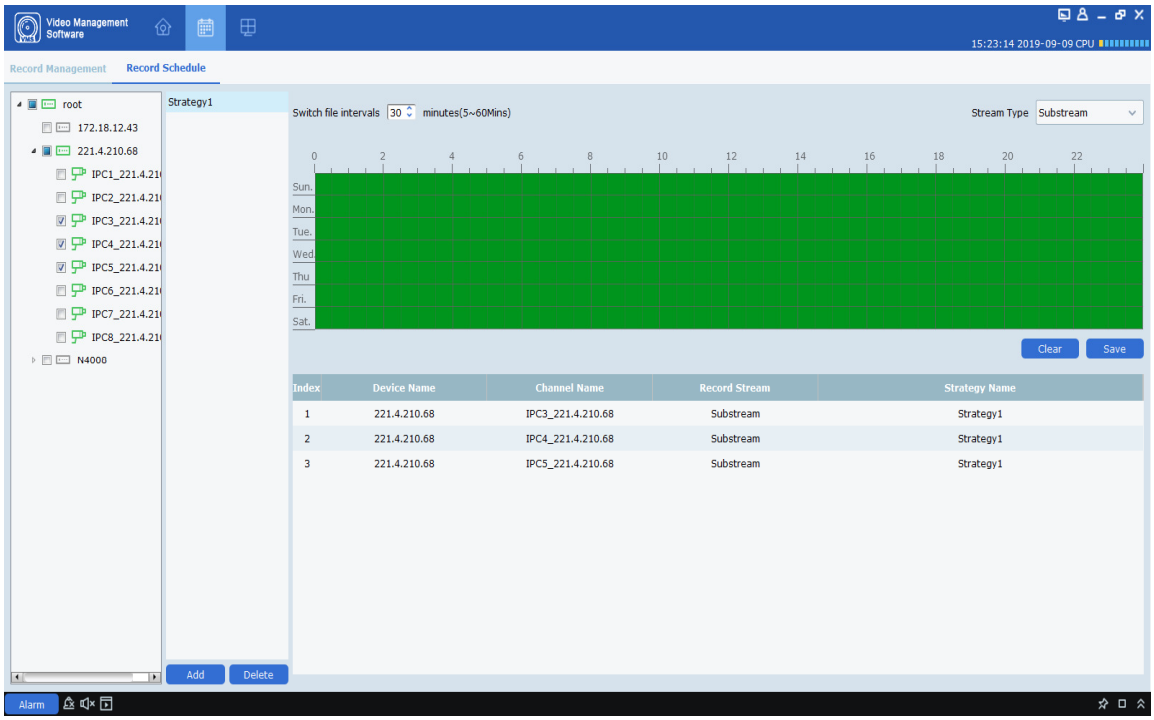


Figure 19-1-3 Setting of Recording Time

Step 5: After setting, go back to the interface of "Record Management", check the box on the bottom left to select the device channel to record, or select all channels with one click, and then click on Start Record at the lower right corner to start the local scheduled recording. After recording is started, "Writing" will be displayed at Disk Status in Record Management, and the recording status is displayed as "recording", as shown in Figure 19-1-4.

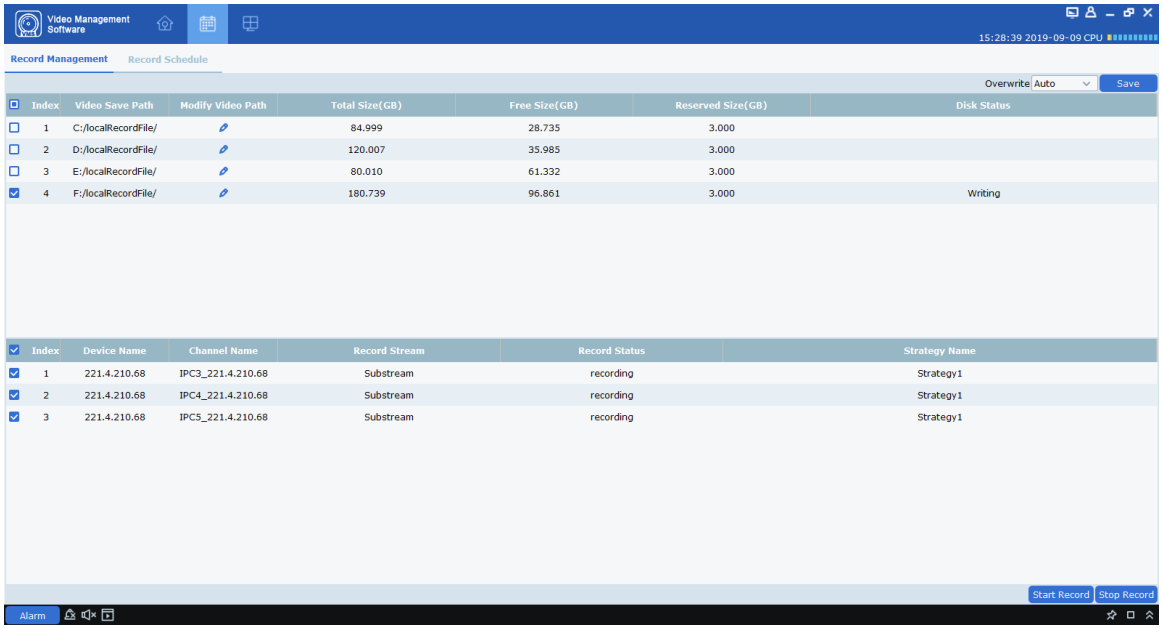


Figure 19-1-4 Start Local Scheduled Video Recording

Step 6: Click on Stop Record at the lower right corner to stop recording. "Writing" will disappear from the Disk Status in Record Management, and the recording status is displayed as "recording stop", as shown in Figure 19-1-5.

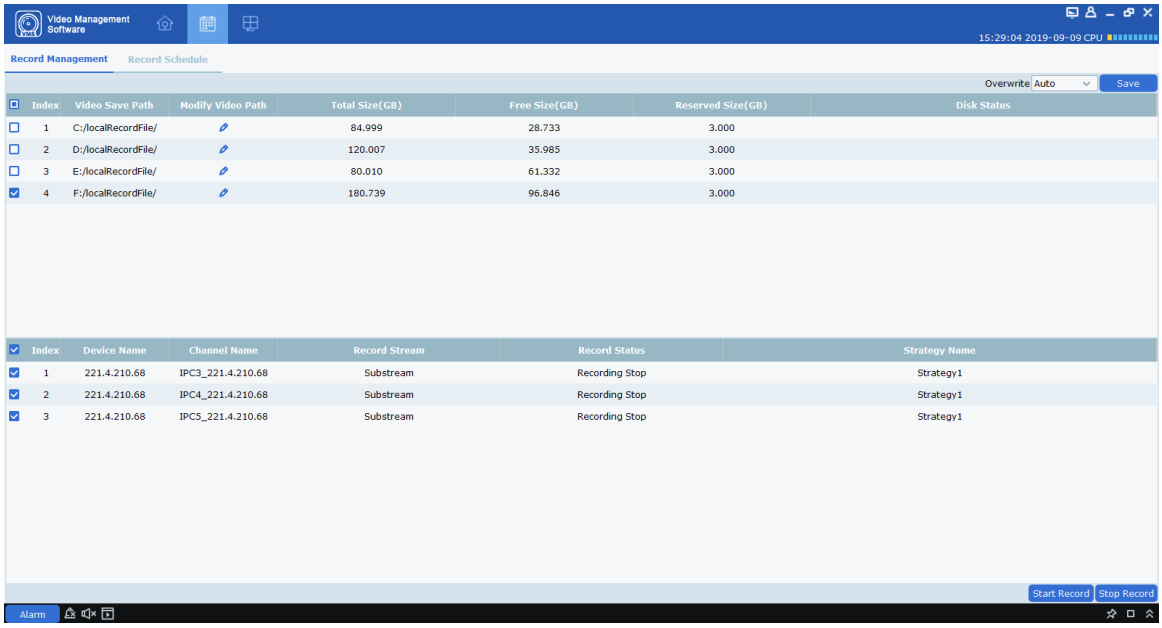


Figure 19-1-5 Ending Local Scheduled Video Recording

Step 7: Open the "Local Playback" from the main menu to enter the local playback interface, and the channel is displays as recorded video, as shown in Figure 19-1-6.

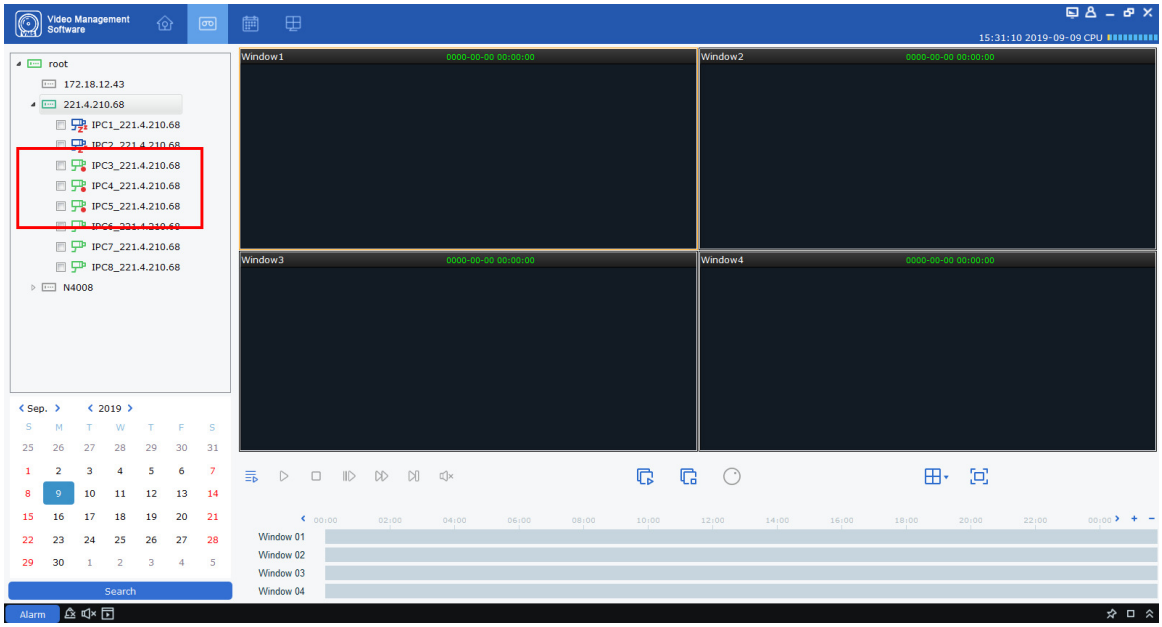


Figure 19-1-6 Local Playback

Step 8: For more details on local playback, see "Section 18 Local Playback".

Section XX File Management

File management allows you to view and play back local videos and images. The video includes the video operations during the preview, and the picture includes the capture operations during the preview.

20.1 Slide Show and Export of Local Images

Step 1: Select "File Management" from the main menu to pop up File Management interface, as shown in Figure 20--1-1.

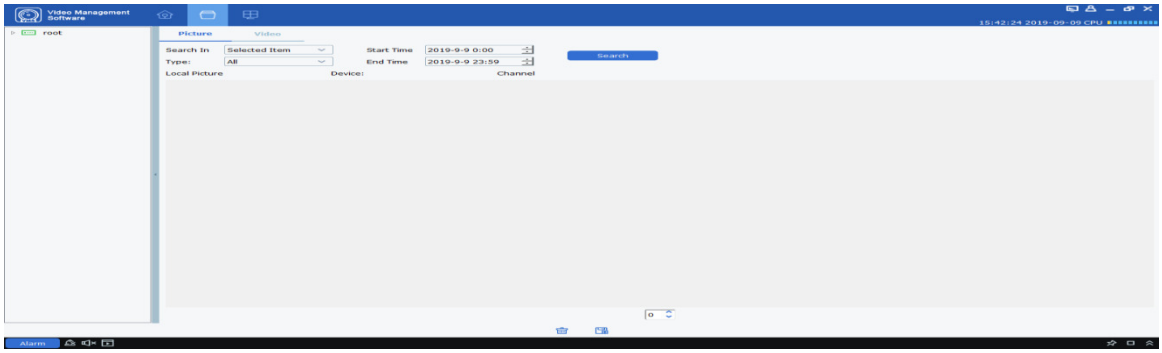


Figure 20-1-1 File Management

Step 2: Select the device channel you want to view in the "Device Group" on the left, set the date and time, and click "Search" to query the picture, as shown in Figure 20-1-2.

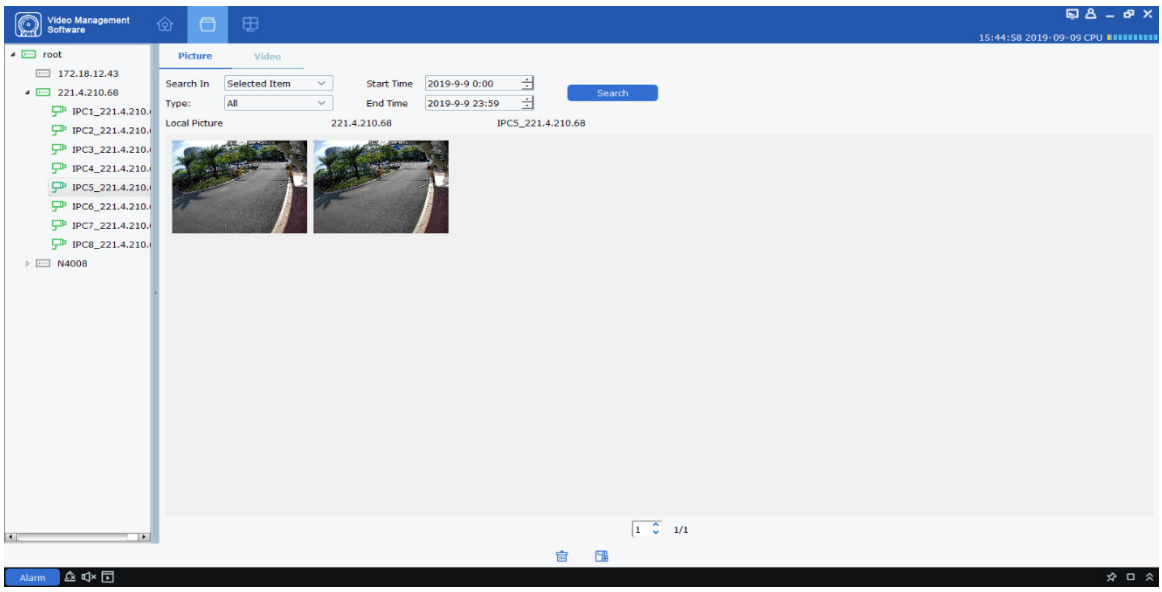


Figure 20-1-2 Search for Local Pictures

Step 3: Double-click on the image you want to play back.

Notes: Right-click on the image and choose Show in Explorer, the folder where the image is stored will pop up. Right-click and choose Deleted File, and the image will be removed (the same as clicking on at the bottom of the screen). Right-click and choose Copy File (the same as clicking on at the bottom of the screen) and it will export the image to another path.

20.2 Playback and export of local videos

Step 1: Select "File Management" from the main menu to enter the File Management interface. Click on "Video" to switch to the video interface.

Step 2: Select the device channel you want to view in the "Device Group" on the left, set the date and time, and click "Search" to search the video. If a video exists on the specified date, it will be displayed, as shown in Figure 20-2-1.

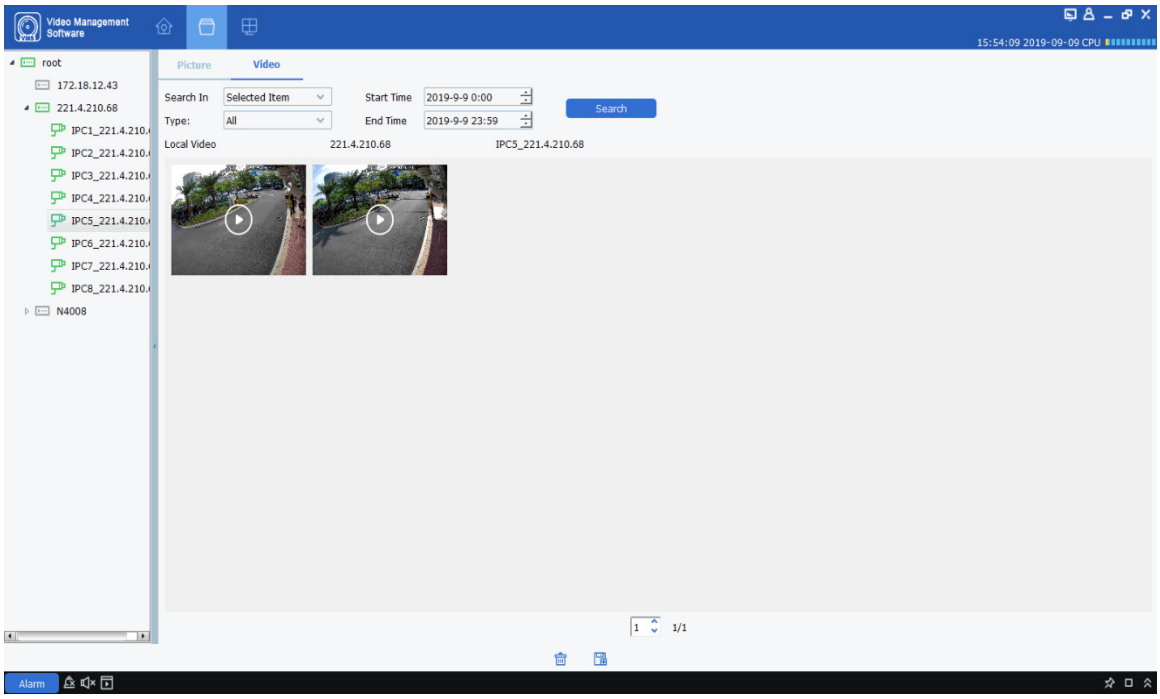


Figure 20-2-1 Local Video Recording

Step 3: Double-click on the local video you want to view, and the video starts playing back, as shown in Figure 20-2-2.

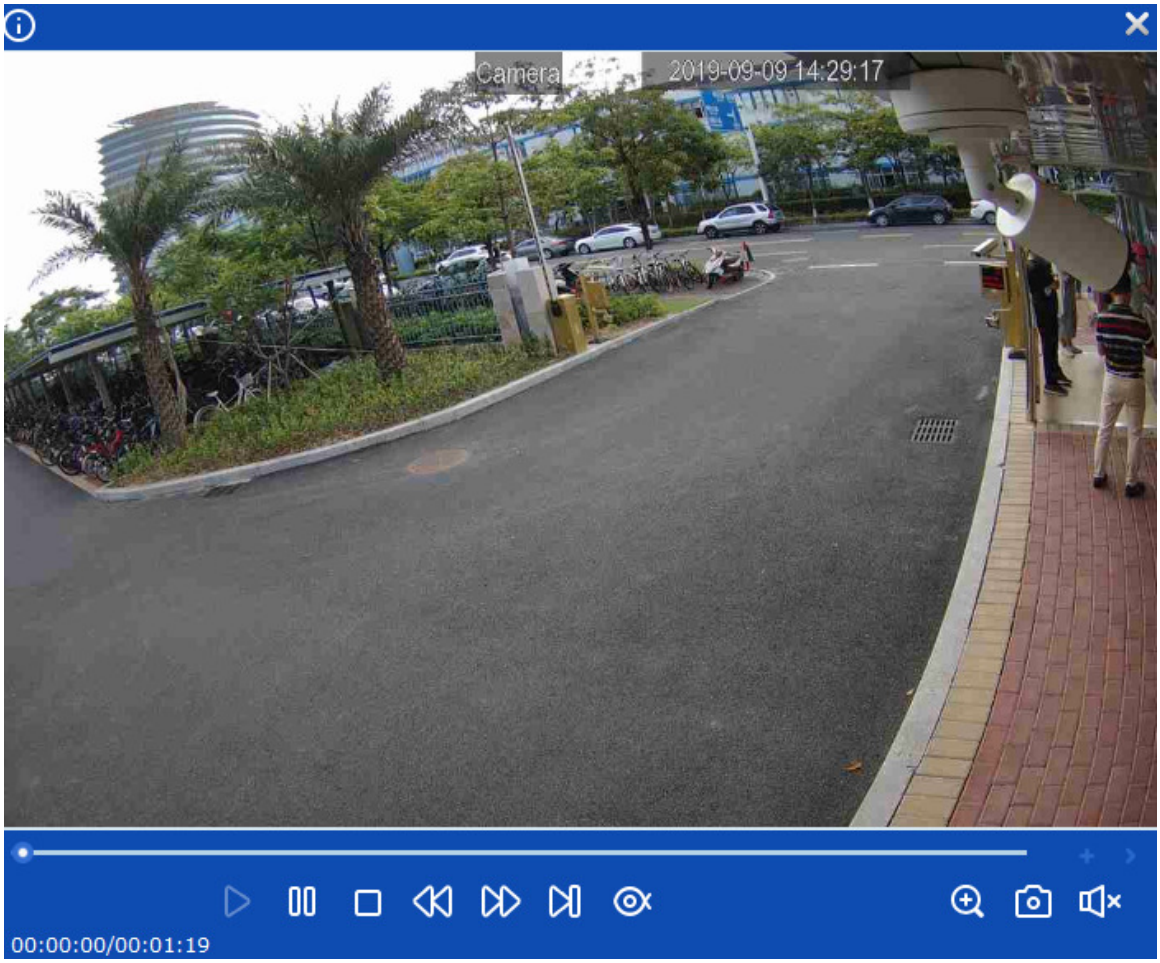


Figure 20-2-2 Playback of Video

Notes: Right-click on Show in Explorer on the image, the folder where the video is stored will pop up. Right-click on Deleted File to delete the video (the same as clicking on at the bottom of the screen).Right-click on Copy File (the same as clicking on at the bottom of the screen) to export the video to a different path.