

Video Management Software

User Manual

Manual Version: V1.02

Thank you for choosing our product. If there are any questions, or requests, please do not hesitate to contact the dealer.

Disclaimer



CAUTION!

The default password is intended for your first login. For security, please set a strong password after your first login. A strong password shall include at least eight characters including uppercase letters, lowercase letters, and digits.

- Contents of this document are subject to change without prior notice.
- Best effort has been made to verify the integrity and correctness of the contents in this document, but no statement, information, or recommendation in this manual shall constitute formal guarantee of any kind, expressed or implied. We shall not be held responsible for any technical or typographical errors in this manual.
- The illustrations in this manual are for reference only.
- Due to uncertainties such as physical environment, discrepancy may exist between the actual values and reference values provided in this manual. The ultimate right to interpretation resides in our company.

Conventions

Convention	Description
Boldface font	Commands, keywords, parameters and GUI elements such as window, tab, dialog box, menu, button, etc.
<i>Italic font</i>	Variables for which you supply values.
>	Separate a series of menu items, for example, Device Management > Add Device .

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1 Introduction

The Video Management Software is a device management suite. It provides video surveillance services including live view, playback, device management, recording schedule, alarm configuration, video wall, people counting and e-map. The suite is easy to deploy and operate, suitable for small and medium-size applications such as for super market, parking lot and residential area. For more details, see datasheet.

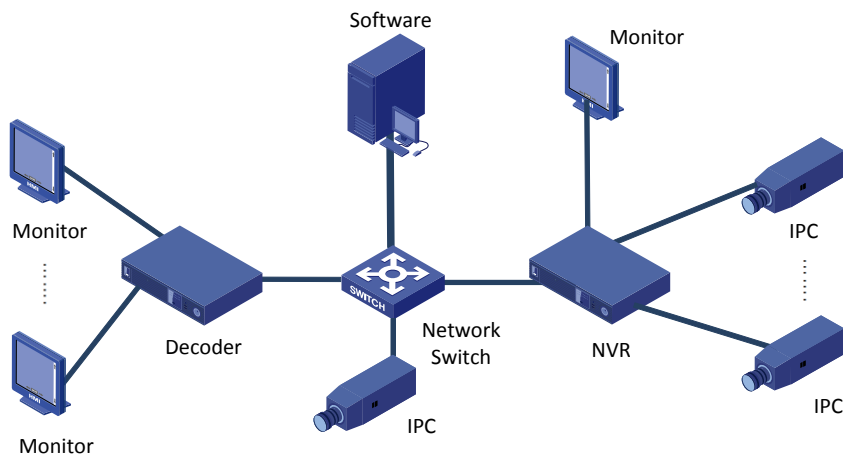
Note

- The software has different versions. Install on a compatible operating system. Please refer to the datasheet for detailed information.
- The functions may vary, depending on factors including but not limited to, software version, device and version, and how the device is managed by the software (i.e., directly connected camera or NVR connected camera, see [Glossary](#)).
- The PC that runs the software shall meet performance requirements (see datasheet for reference). The requirements may vary, depending on how you use the software. For example, live view at high resolution in multiple windows requires higher system capacity.
- This manual is not intended for a specific software version. Some functions or features described in this manual may be available to certain version(s) only.


Glossary

- Video Management Software: Referred to as the software hereafter for short. Unless otherwise specified, the software in this manual refers to the Video Management Software.
- Directly connected camera: Camera that is directly managed by the software (in comparison with NVR connected camera).
- NVR connected camera: Camera that is managed by the software via an NVR (in comparison with directly connected camera).
- IPC: IPC, IP camera and camera refer to the same thing in this manual.
- PC: The computer that runs the software.

Typical Application



2 Startup









Double-click  to start the software. Log in with the default username/password (**admin/123456**). Please set a strong password for security in [User Management](#).



NOTE!

The password for admin (123456 or others) does not change after an upgrade or a reinstall.

Table 2-1 Buttons on the Main Window

Icon	Description
	System menu
	Lock account
	Switch to another user
	Open user manual
	View latest alarms, turn on/off alarm sound, enable/disable Display Alarm-Triggered Live View.
	View system messages
	Manage download tasks
	Current user

3 Live View

Add an Encoding Device

Add an encoding device (IPC or NVR) for live view.



NOTE!

- Managing a device with different management software programs may cause unexpected problems.
- Always add devices as admin (by entering username "admin").

Click **Device Management** on the control panel and then follow the steps:

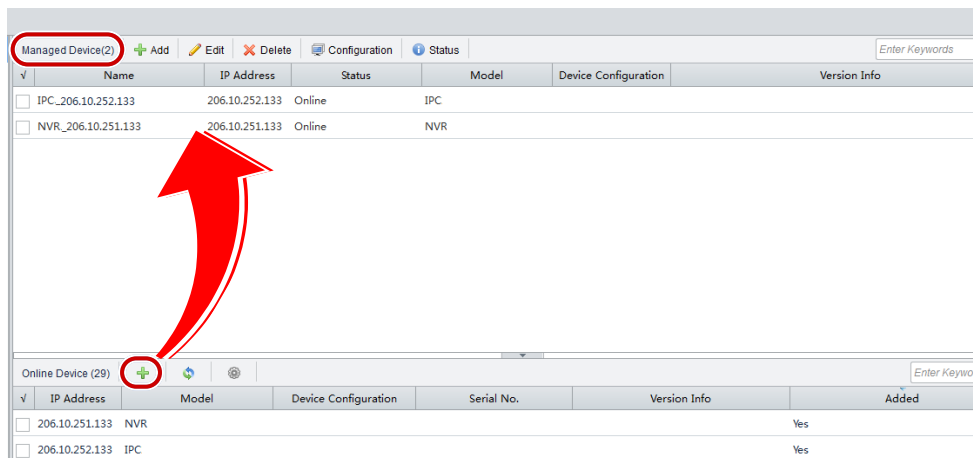
1. Click **Device > Encoding Device**.



NOTE!

- The software automatically searches online devices on the LAN and lists the discovered on the **Online Device** list. The list refreshes periodically. To refresh the list manually, click
- To search a specified network segment, click and select the **Search Segment** check box.
- On the **Online Device** list, you can edit a device's IP address or open its Web page with a right-click on the device. Only admin can change a device's IP address.

2. Select device(s) on the **Online Device** list and click . A pop-up menu appears. Click **Add** to add to the default group; or click **Add to Group** to add to a specified group. The added devices are named in *device model_IP* format (e.g., IPC_206.10.252.133) on the **Managed Device** list.



3. On the **Managed Device** list, you can:

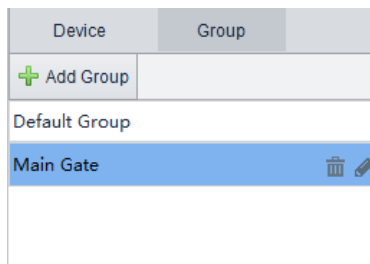
To	How To
Add more device(s)	<ol style="list-style-type: none">1) Click Add.<ul style="list-style-type: none">• To add one device, select IP/Domain, and then enter the device's IP address, port, username (admin) and password.• To add devices with sequential IP addresses, select IP Segment, enter the start and end IP addresses, port, username (admin) and password.

To	How To
	<ul style="list-style-type: none"> • Add a device by EZDDNS. First you need to enable DDNS on the device and complete relevant settings (such as DNS server, port mapping, domain name); make sure the PC and the DDNS server are connected, and then enter the domain name, username and password of the device on the software. This function is not available to the Mac version. <p>2) Click Add to add to the default group; or click Add to Group to add to a specified group.</p>
Edit or delete a device	Select the device and then click Edit or Delete .
Restart a device	Right-click the device and then click Restart . Caution: This operation will affect service.
Access Web page	Right-click the device and then click Configuration .
View device status	Click Status .

Add a Group

Click **Device Management** on the control panel and then follow the steps:

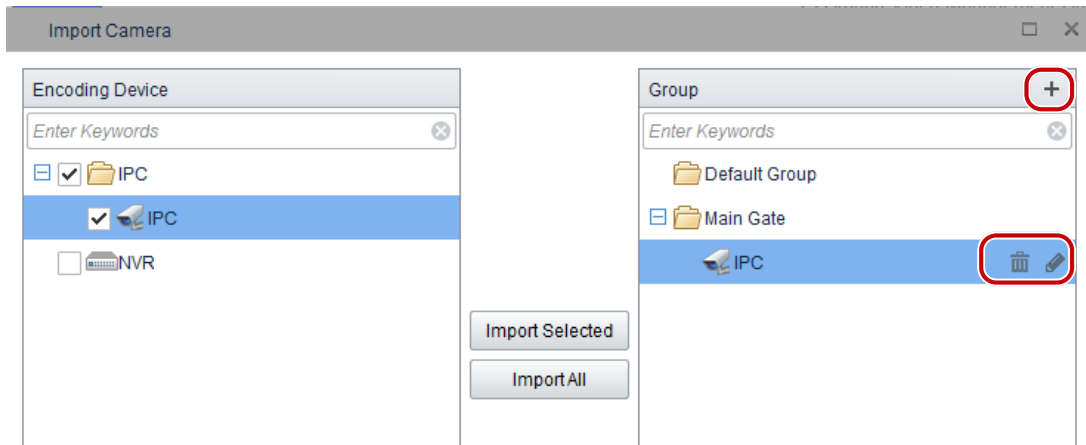
1. Click the **Group** tab.
2. Click **Add Group**. A dialog box appears.
3. Enter a name for the group, e.g., Main Gate.
4. Click **Add**. The new group appears on the group list.



5. You may delete or rename the group as needed.

Import Cameras to a Group

1. Click **Import Camera**. A dialog box appears.
2. Select camera(s) on the left, and click to select the group on the right.
3. Click **Import Selected** to import the selected camera(s); or click **Import All** to import all. In the dialog box, you may create new groups, remove cameras from a group, or rename cameras.

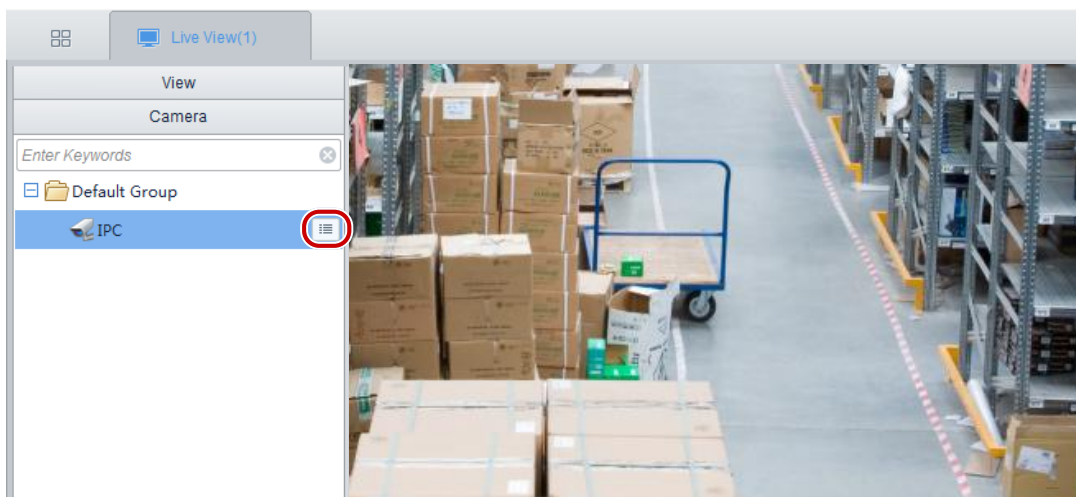


Play Live Video

Click **Live View** on the control panel and then follow the steps.

Play Live Video in a Window



1. On the **Camera** tab, double-click the camera or drag it to a window.
2. To play a certain stream type (e.g., main, sub or third stream; options may vary with camera), click the button as shown below.












Live View Toolbar

The live view toolbar is at the bottom of the live view window.





Table 3-1 Live View Toolbar Buttons




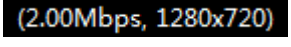
Button	Description
	Set screen layout.
	Custom screen layout. Drag the mouse to select screens and then click Join . Up to five custom layouts are allowed.

Button	Description
	Save the current view.
	Save the current view as another name.
	Close all windows playing videos.
	Play the live video of the previous camera or view.
	Pause/Resume sequence display.
	Adjust sequence display interval.
	Play live video of the next camera or view.
	Adjust the MIC volume or mute the MIC for the PC in two-way audio.
	Switch to full screen. Press Esc to exit.

The window toolbar appears when the mouse pointer hovers on a window playing live video.

Table 3-2 Live View Window Toolbar

Button	Description
	Take a snapshot. The storage path is configurable in System Configuration .
	Record video to your PC (known as local recording). The storage path is configurable in System Configuration .
	Available to PTZ cameras only. Click to open the PTZ control panel.
	<p>Fisheye control, set mount mode and display mode to get desired images:</p> <ul style="list-style-type: none"> • Mount: Ceiling, Wall, Desktop • Display Mode: Original Image, 360° Panoramic+1PTZ, 180° Panoramic, Fisheye+3PTZ, Fisheye+4PTZ, 360° Panoramic+6PTZ, Fisheye+8PTZ, Panoramic, Panoramic+3PTZ, Panoramic+4PTZ, Panoramic+8PTZ (clicking Original Image switches from dewarping mode to normal mode). <p>Note:</p> <ul style="list-style-type: none"> • <i>This function is not available to the Mac version.</i> • <i>The fisheye control button is available to fisheye cameras only.</i> • <i>In dewarping mode, you may click a PTZ window and then use the mouse to drag the image, or zoom in/out using the scroll wheel; or click a panoramic window and then drag, zoom in or out on the demarcation area.</i> • <i>Digital zoom is disabled in dewarping mode, and the digital zoom</i>

Button	Description
	<p><i>button is hidden. If you switch to dewarping mode when digital zoom is enabled, digital zoom will be disabled automatically, and the image restores its original size.</i></p> <ul style="list-style-type: none"> <i>Dewarping mode is not available when resolution is below than D1, and the fisheye control button is grayed out.</i>
	Enable or disable digital zoom. When enabled, drag the mouse to draw an area on the image to zoom in on, and then use the scroll wheel to zoom in or out.
	Mute or adjust speaker sound volume for your PC.
	Start instant playback (play video of the last 5 minutes and 30 seconds). Live video does not resume automatically when instant playback stops at the end. You need to resume live video manually.
	Current bit rate and resolution (example).

Shortcut Menu of Live View

A shortcut menu appears when you right-click a live view window. Some items on the menu are described in the table below.

Parameter	Description
Stream Type	<p>Select a stream type for the current window: Auto, main, sub and third stream (options may vary with device).</p> <p>Note:</p> <ul style="list-style-type: none"> <i>Sub and third stream are available when the device supports.</i> <i>This feature is unavailable in sequence display.</i>
Manual Alarm	<p>Trigger an alarm manually.</p> <p>Note:</p> <p><i>It is recommended you configure an action first (see Configure Alarm-Triggered Action). A click of this button will generate an alarm and trigger the configured action.</i></p>
Camera Info	Display frame rate, resolution, bit rate, video compression format, and packet loss rate for the window.
Play Local Recording.	Open the folder containing local recordings on your PC and play in the current window.

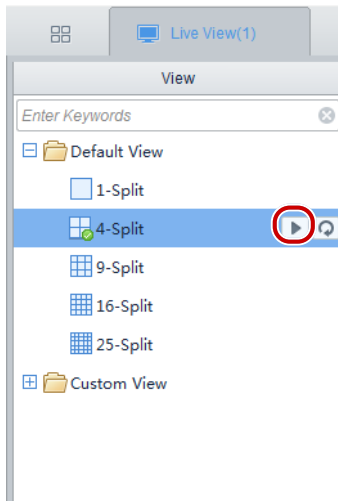
Play Live Video by View

By default view

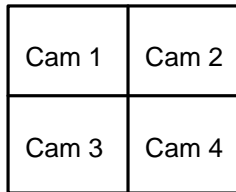
Play live video from cameras on the camera list by a default view.

Example: Play live video from 4 cameras by the 4-Split view.

1. On the **View** tab, click the **Play** button.



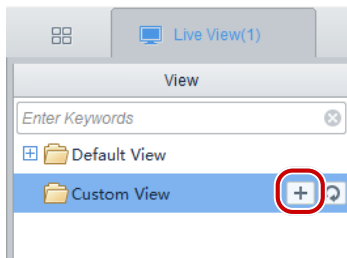
2. Live video plays in four windows as shown below.



By custom view

Play live video from specified cameras by a custom view.

1. On the **View** tab, click the button to create a view.

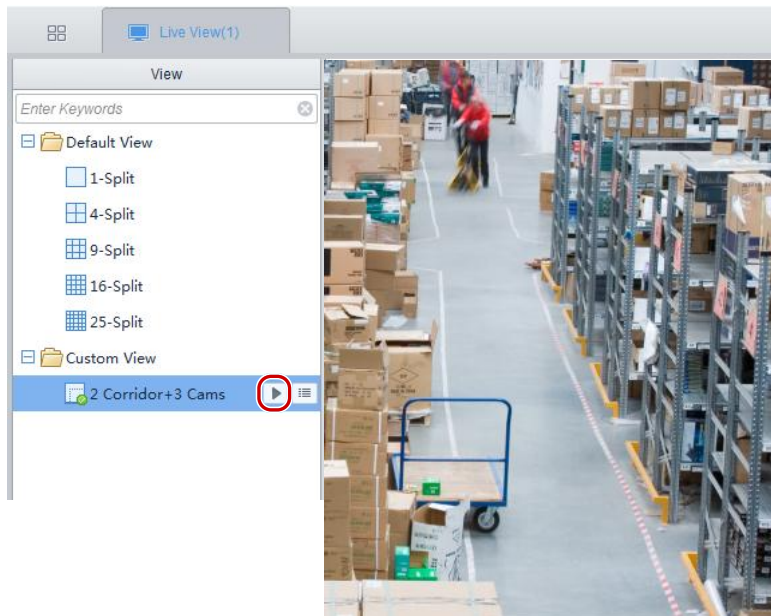


2. Click the **Layout** button to set the desired layout.

3. Drag camera(s) to the intended windows one by one. You can drag image to switch windows.

4. Click the **Save View** button, or click **Save View As**.

5. Click the **Play** button. Live video from the specified cameras plays in the set windows in the set layout.



PTZ Control

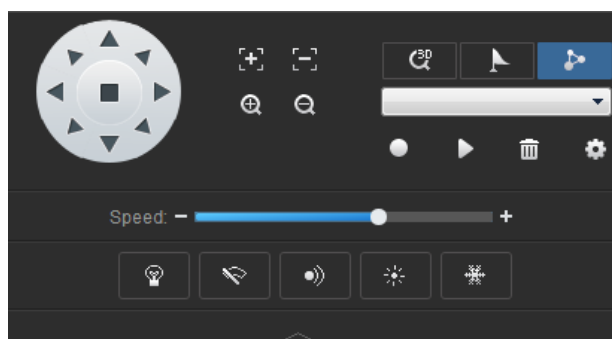
Control the pan/tilt, zoom, focus, wiper of a PTZ camera and set presets and patrol route.






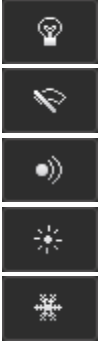
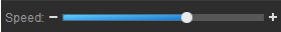
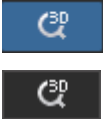
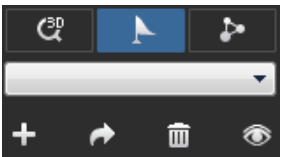



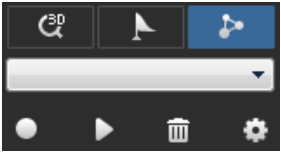




NOTE!

PTZ control is available to PTZ cameras only and it may vary depending on the camera's capability and the protocol it supports. For example, some manufacturers reserve certain presets for special use such as wiper or menu. Please refer to camera specifications before use.

1. Click the live view window and then click  on the toolbar. The PTZ control panel is displayed.



2. Use the control panel as described in this table.

Parameter	Description
	<p>Control rotation direction or stop rotation.</p> <p>Tip: With 3D positioning disabled, hover the mouse pointer on the live view window. When the shape changes to like , click and hold the left button to rotate the camera.</p>
	<p>Adjust focus and zoom.</p>
	<ul style="list-style-type: none"> • Control the light. • Control the wiper. • Control the IR. • Control the heater. • Control the snow removal function.
	<p>Adjust rotation speed.</p>
	<p>With 3D positioning enabled, the camera automatically rotates when you click anywhere in the window. Drag the mouse from top left to bottom right to zoom in on the image, or drag reversely to zoom out.</p>
	<ul style="list-style-type: none"> • Preset list. • : Click to go to a preset. • : Click to add a preset. Use an unused preset number when adding a new preset; otherwise, the existing preset will be replaced. • : Click to delete a preset.
	<ul style="list-style-type: none"> • Patrol route list. • : Click the button to start recording a patrol route. When the recording starts, rotate the camera to desired directions and adjust zoom as needed. Actions are recorded and added to the action list. Click the button again to finish recording. • : Click to start a patrol route. • : Click to delete a patrol route. • : Click to set patrol, including patrol route info and patrol plan. <p>On the Patrol Route Info tab, enter the route number and name. Click Add to add an action. Use Up, Down, Set Top and Set Bottom to change the order of the actions. Actions include:</p>

Parameter	Description
	<ul style="list-style-type: none"> Go to a certain preset with a specified duration of pause; PTZ movement with specified direction, zoom, speed, duration and pause. Check Keep Rotating to make the camera rotate constantly. On the Patrol Plan tab, configure your daily patrol plan.

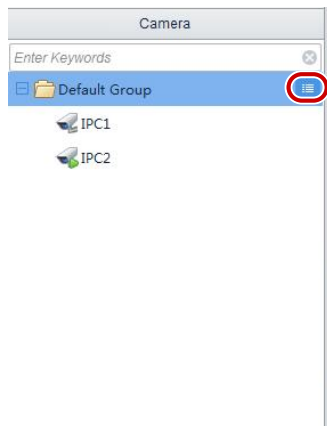
Sequence Display






Sequence Display by Camera Group

Play live video from cameras in a group one by one in a window. For the steps to create a group and import cameras to the group, see [Add a Group](#).

Example: Sequence display by Default Group (with 2 cameras: IPC1 and IPC2)

1. Click to specify a window.
2. On the **Camera** tab, click the button and then click **Sequence Display** on the pop-up window.



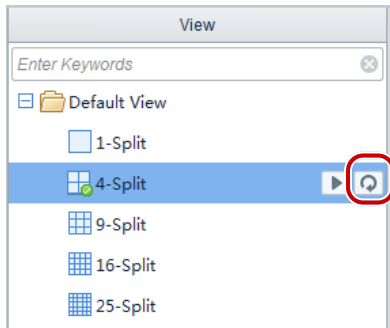
3. Click  or  to pause or resume, click  or  to play the previous or next camera in the group, click  to change the interval.

Sequence Display by Default View

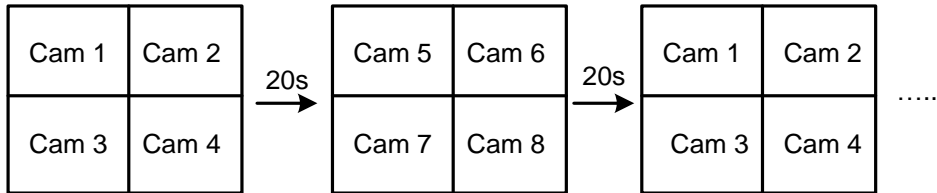
Play live video from cameras on the camera list in sequence based on a default view.

Example: Sequence display 8 cameras by 4-Split view at 20s interval.

1. On the **View** tab, click the **Sequence Display** button.



2. The sequence display is as illustrated below.



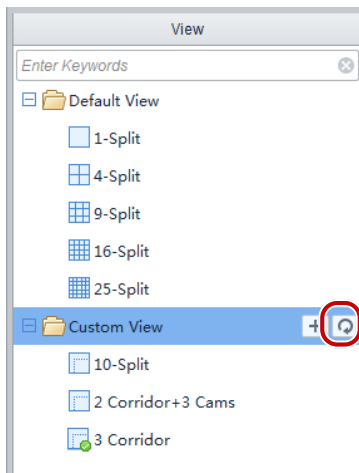
3. Click or to pause or resume, click or to play the previous or next, or click to change the interval.

Sequence Display by Custom View

Play live video by custom views in sequence.

Example: Sequence display three custom views.

1. On the **View** tab, click the **Sequence Display** button. The custom views play one by one at the set interval.



2. Click or to pause or resume, click or to play the previous or next view, or click to change the interval.

4 Recording and Playback

Record videos, search recordings for playback or download.

Configure a Recording Schedule



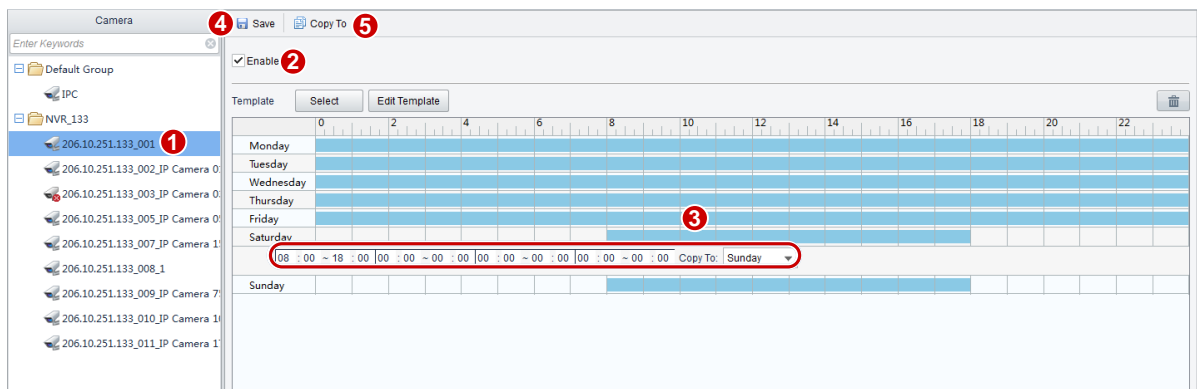
NOTE!

- The function is not available to the Mac version.
- This function is available to NVR-connected cameras only.


Click **Recording Schedule** on the control panel and then follow the steps.

1. Select the camera for which you want to configure a recording schedule.
2. Select to enable recording schedule.
3. Use the mouse to draw a schedule on the calendar. The default schedule is 24/7.
4. Click **Save**.
5. To apply the same recording schedule to other cameras, click **Copy To** and then select cameras in the dialog box.



Example:



Tips:

- In addition to drawing with the mouse, you may also input an exact time.
- Use **Copy To** to apply same settings to another day (e.g., Sunday).
- Click  to clear the calendar.
- You may specify a particular day as a holiday and apply a recording schedule for this day only.

Record Video Manually

Save live video to your PC as local recording by clicking the Start Local Recording () and Stop Local Recording () buttons on the window toolbar.

Tips:

- The default path and file format for local recording is configurable. See [System Configuration](#).
- You can play a local recording by dragging it to a live view window.

Play Remote Recordings

Search and play remote recordings such as recordings saved on an NVR or an SD card.



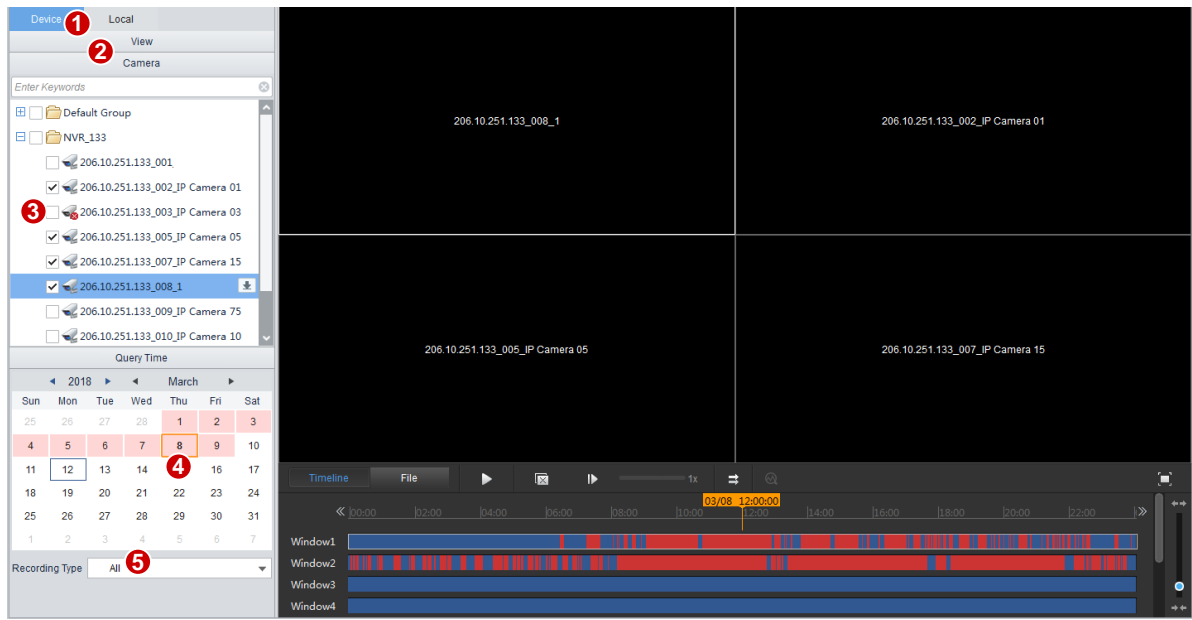
NOTE!

The Mac version does not support search and playback of recording saved on an SD card.

Click **Playback** on the control panel and then follow the steps.

1. Click the **Device** tab.
2. Click **View** or **Camera** to choose a query mode:
 - View: Query recordings of cameras in a custom view. Make sure a recording schedule has been configured for cameras in the view.
 - Camera: Query recordings of the selected cameras.
3. Select camera(s) or select a view, depending on the mode you have selected in step 2.
4. Select a date.
5. Select a recording type if necessary.

Example:



NOTE!

- A query allows up to 16 cameras at a time. The extra cameras are ignored.
- The calendar uses different colors to indicate different recording status: white means no recording, blue means general recording, red means alarm recording. This feature is not available to the Mac version.

6. Click **Timeline** or **File**.

- **Timeline:** Click a window and then click the play button (B) to start playback; or click anywhere on the timeline to start playing video from that point.

Example:

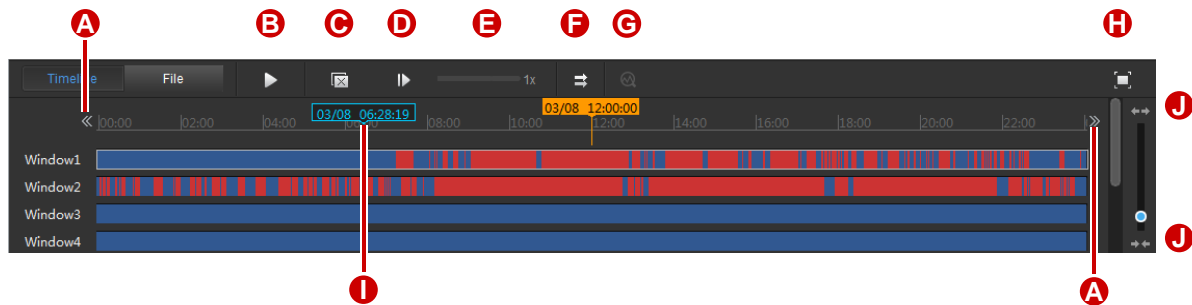











Table 4-1 Timeline Operations

Button	Description
A	Move the timeline forward or backward.
B	Start/pause playback.
C	Close all windows.
D	Not available to the Mac version. Play by frame. Click to play the next frame of image.

Button	Description
E	Adjust playback speed.
F	Switch to synchronous playback. Note: Synchronous playback is applicable to remote recordings only. Frequent operations (such as pause/resume, adjustment of speed) during synchronous playback degrade the performance.
G	See Smart Search .
H	Switch to full screen mode. Press Esc to exit.
I	Corresponding time where the mouse pointer rests.
J	Zoom in or out on the timeline scale.

- File: Double-click a file to start playback; or select camera(s) or file(s) and then click the button to download.

Figure 4-1 Recording Search Results-File

	Start Time	Duration	Recording Type	
206.10.251.133_002_IP Camera 01				
	2018-02-26 00:00:01	00:02:53	General	
	2018-02-26 00:02:54	00:02:05	Alarm	
	2018-02-26 00:04:59	00:01:03	General	
	2018-02-26 00:06:02	00:09:57	Alarm	

7. Use the window toolbar during playback.

Example:




Table 4-2 Playback Window Toolbar Buttons

Button	Description
A	Take a snapshot and save it to your PC. The storage path is configurable (see System Configuration).
B	Digital zoom. When enabled, drag the mouse to draw an area on the image to zoom in on, and use the scroll wheel to zoom in or out.
C	Clip video to download.
D	Mute or adjust speaker sound volume for your PC.
E	Current bit rate and resolution.



NOTE!

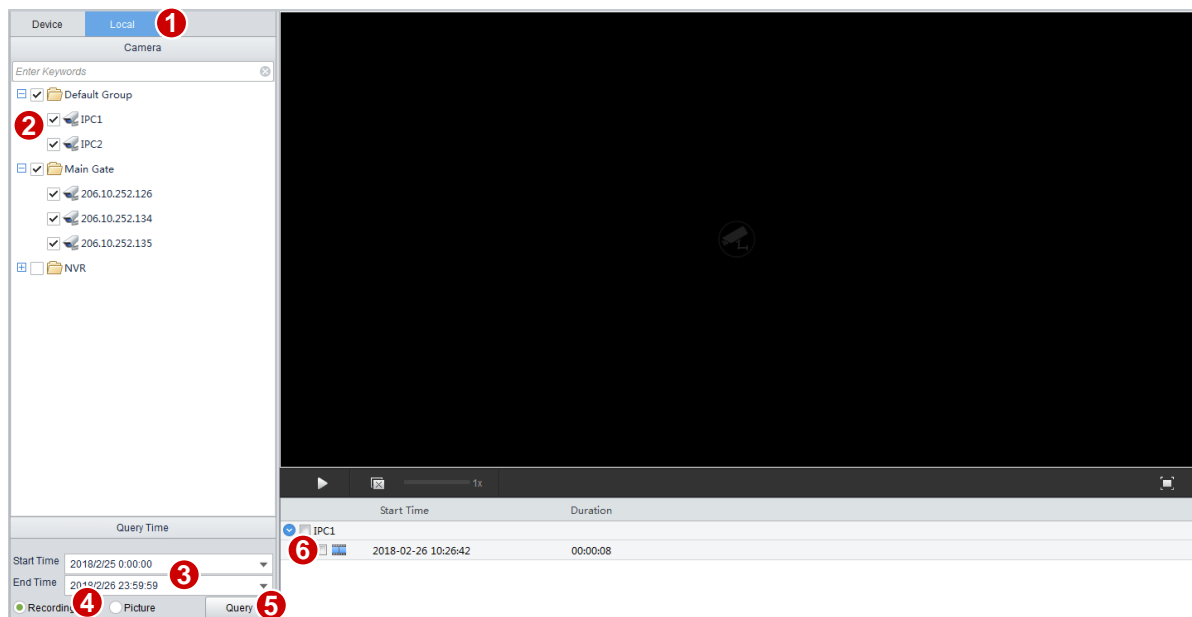
- The  button is displayed on the toolbar for a fisheye camera (not available to the Mac version).
- Before playing a recording, you can set the video transmission protocol based on the network environment to improve the image quality.

Play Local Recordings

Search and play recordings saved on your PC.

1. Click the **Local** tab.
2. Select camera(s).
3. Set a time range.
4. Select **Recording**.
5. Click **Query**. Search results are displayed.

Example:





6. Double-click the file to start playback.



View Local Snapshots

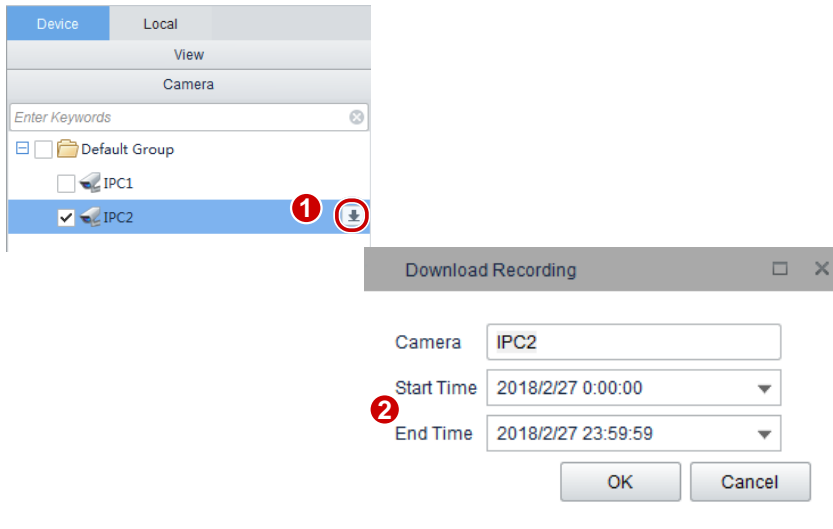
Search and view snapshots on your PC. See [Play Local Recordings](#). Operations are similar. The major difference is that you select **Picture** in step 4.

Download

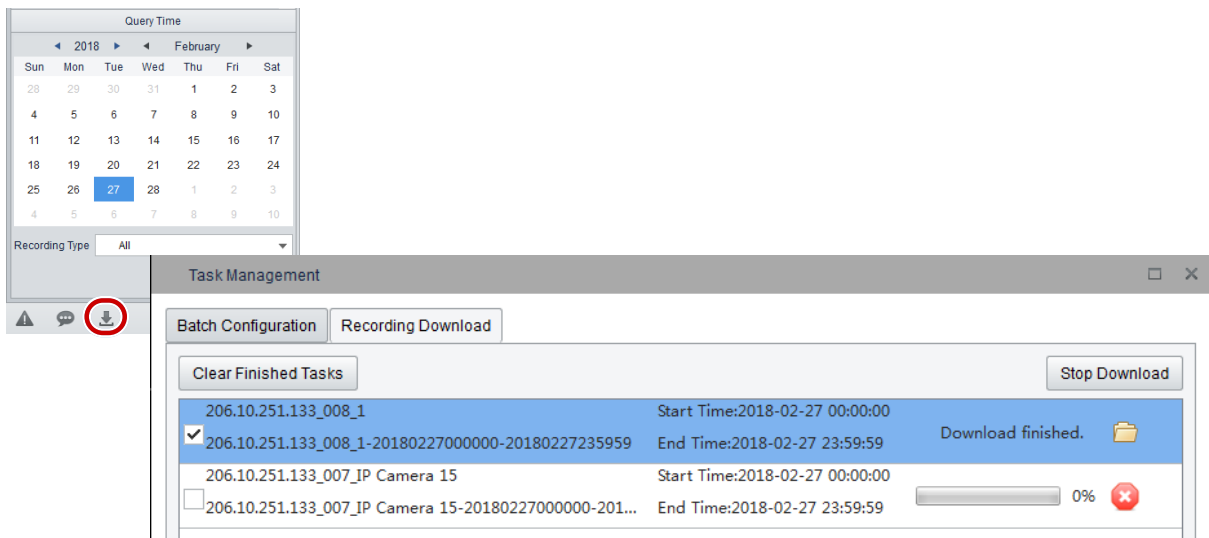
Use the following methods to download recordings to your PC.

- Use clip buttons ( and ) in a playback window. See [Playback Window Toolbar Buttons](#).

- Select files to download and then click . See [Recording Search Results-File](#).
- Click  and then set the time range.



- To manage download tasks, click the task management button at the bottom (see [Buttons on the Main Window](#)). A dialog box appears.




Tips:

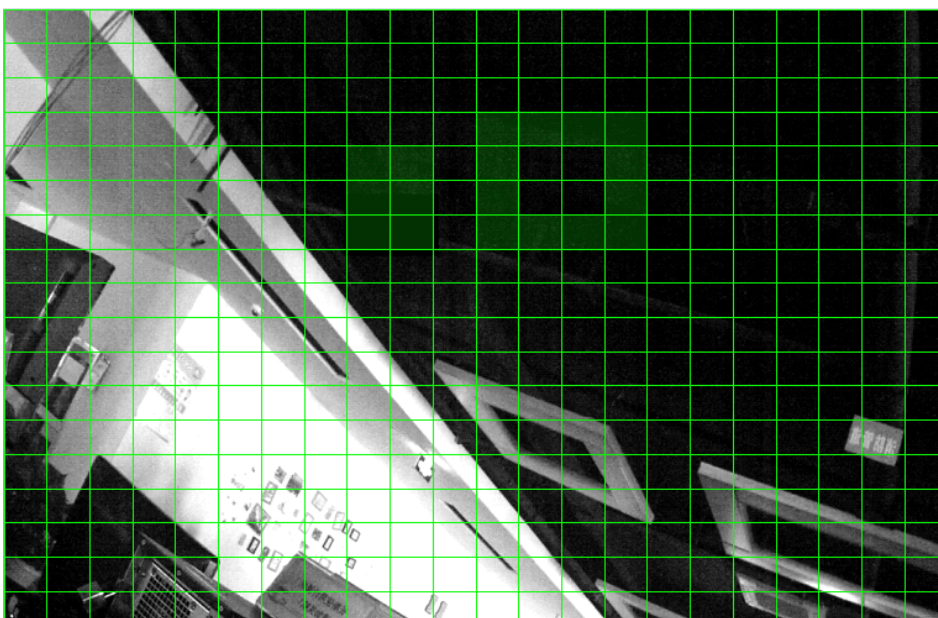
- Stopping a download task does not remove the video that's already downloaded.
- The default path and file format for downloading recording is configurable. See [System Configuration](#).
- VLC player is a recommended media player. You can also play a downloaded video by dragging it to a live view window.


Smart Search

This function is available when the software works with certain NVR models and versions (NVR 300 series, version D021SP05 and later).

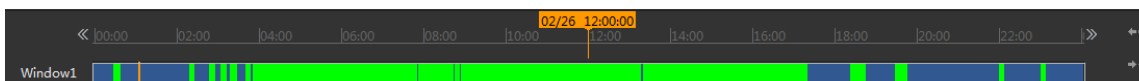
Smart search searches recordings for smart results (such as motion) and playback. VCA recordings are not applicable.

1. Start the playback of the recording you want to perform a smart search. See [Play Remote Recordings](#) for the steps.
2. When playback starts, the **Smart Search** button () is activated. Click this button.
3. You will find the entire screen is covered with green grids (see the figure below), which means, the entire image will be searched. To edit the search area, click or drag on the image.





4. Adjust search sensitivity as needed. The higher the sensitivity, the more likely that tiny motion activity will be detected.
5. Click  to start smart search. Search results appear on the timeline, and the video starts playing from the beginning.

Example



Tips:

- Green means video with motion detected.
 - The green part plays at normal speed; other parts play at high speed to save time.
6. To edit search area or sensitivity, click ; to exit smart search, click . Note that clearing the checkbox for the camera on the camera list will also exit smart search.

5 DX Video Wall



NOTE!

- This function is not available to the Mac version.
- The number of video walls supported, operations allowed, and functions available may vary with device and version.

Add a Decoding Device

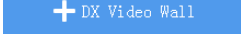
Search decoding devices or add directly. See [Add an Encoding Device](#) for reference; or add an NVR with a decoding card.

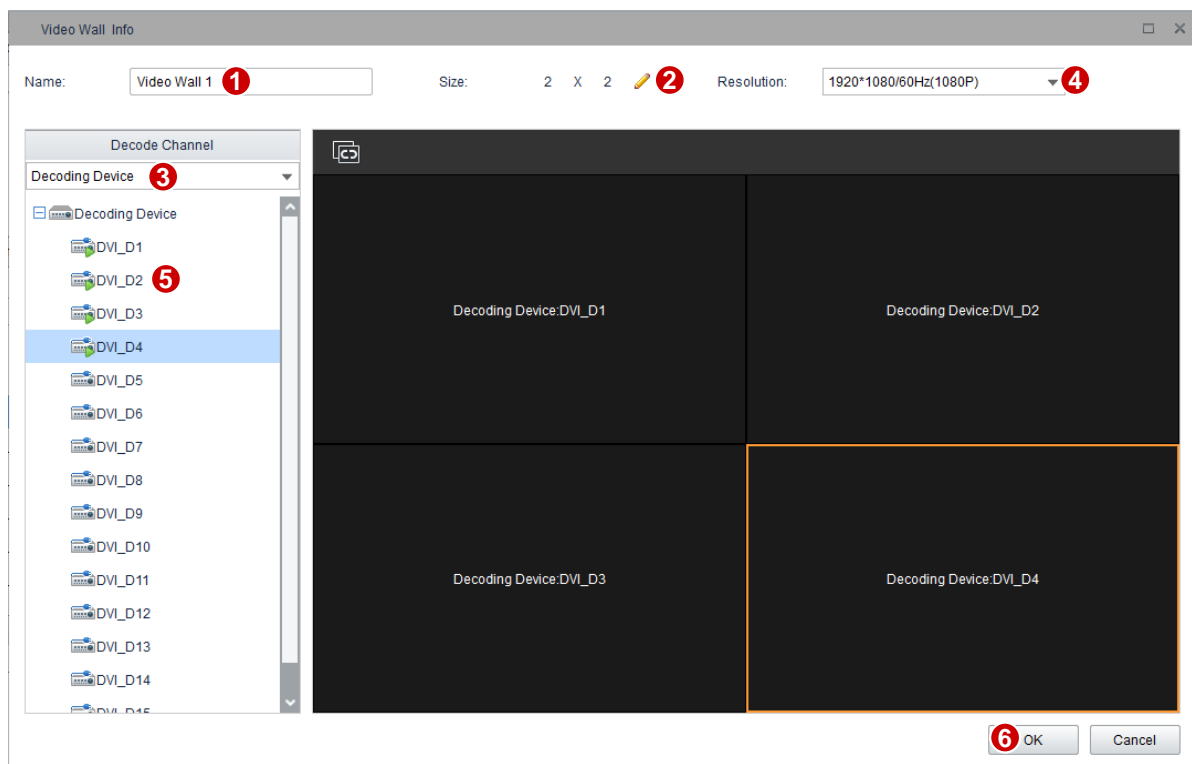


NOTE!




Add decoding devices as admin.

Add a Video Wall


Click **DX Video Wall** on the control panel. For first time use, click  and follow the steps.

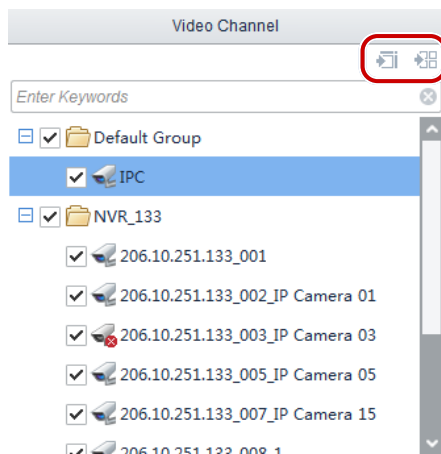


1. Enter the video wall name.

2. Click  and set the video wall size according to the physical video wall.
3. Select a decoding device. Decoding channels are displayed.
4. Set the resolution.
5. Drag decoding channels to screens one by one to complete binding. To cancel binding for a screen, click the close button in the top right corner. To cancel all bindings, click .
6. Click **OK**. The video wall is created.
7. To edit or delete a video wall, click the arrow  **Video Wall 1**.

Video Wall Operations

1. Click  to open windows on the video wall.
2. Drag cameras to intended windows to start live video.



Tip: To start live video from multiple cameras or camera group(s), select the cameras or camera group(s), click a window and then click **Play on Screen** or **Play on Wall**.

- Play on Screen: Play on one window.
 - Play on Wall: Play on multiple windows.
3. To sequence display (play cameras from a group in sequence), drag a camera group to the intended window.

Note: If the video wall is created using an NVR's decoding card, sequence display is only available to cameras that are connected to the NVR.

4. To play signals from the local signal source, drag the signal source to the intended window.
5. To play alarm-triggered live video on a window, right-click the window and click **Set Alarming Window**. Only one window can be set as alarming window. Make sure alarm-triggered live video is configured (see Alarm-Triggered Action for details). To cancel the setting, right-click the window and click **Cancel Alarming Window**.

Note: If the video wall is created using an NVR's decoding card, alarm-triggered live video is only available to a camera that is connected to the NVR.

6. For more video wall operations, see the tables below.

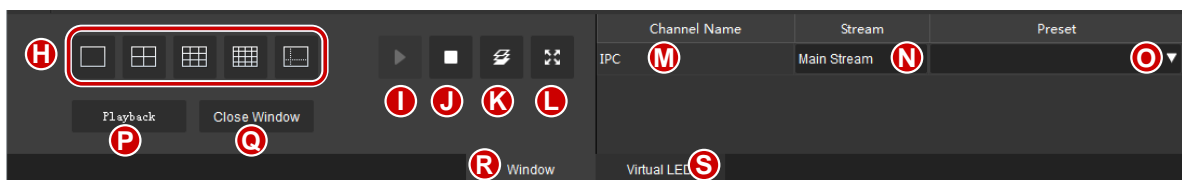
Figure 5-1 Video Wall Control



The buttons are effective to all windows on the video wall.

No.	Description
A	Save current settings as a scene, including the window layout and service (live video or sequence). The saved scenes are listed on the Scene tab. Click Start to restore the current service.
B	Open window(s). Before you can perform any operation, you need to open windows on the screen first.
C	Close all windows.
D	Start decoding in all windows.
E	Stop decoding in all windows.
F	To open a custom window, click this button, drag on the screen to open window(s), and then click this button again to complete. Tip: You can drag the border of a window to resize, or drag a window to relocate.
G	Click to renumber windows. Each window has a number in the top right corner. Clicking this button will number all the windows according to their position by this rule: from top to bottom, from left to right.

Figure 5-2 Window Control

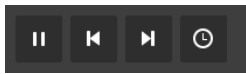


The buttons are effective to a window.

No.	Description
H	Split a window.
I/J	Start/stop decoding in the window.
K	Specify a window that always displays at the bottom when multiple windows overlap.
L	Display a window in full screen mode.
M/N/O	Current camera, stream type, and preset (of a PTZ camera).

No.	Description
P	Search recordings for playback. Note: Available to NVR-connected cameras only.
Q	Close the window; or click the close button in the top right corner.
R	Hide or display the window control area.
S	Available to certain decoding devices only. Display text on video images with custom font, size, alignment, color, background color and transparency.
Figure 5-3	Appears for sequence display (play live video from cameras in a group in sequence). Click the buttons to pause, play the previous or next camera(s) in the group, or set the sequence display interval.

Figure 5-3 Sequence Display Control



6 People Counting

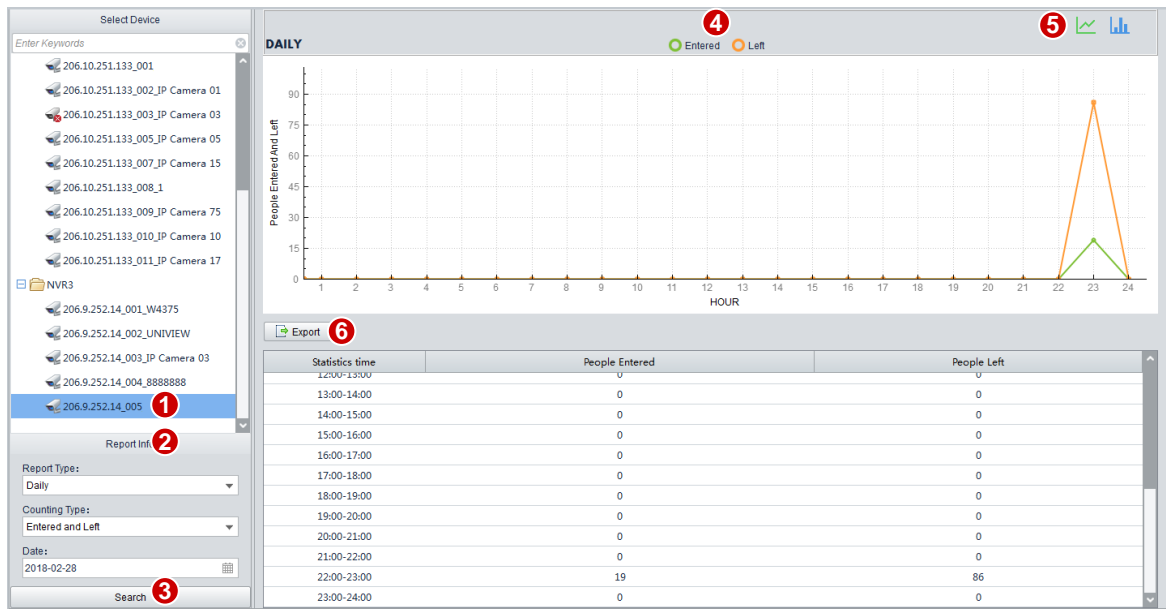


NOTE!

- This function is not available to the Mac version.
- This function is only applicable to NVR-connected cameras..

Click **People Counting** on the control panel and then follow the steps to display counting statistics.

1. Select the camera.
2. Set search conditions, including the report type, counting type and date.
3. Click **Search**. Search results appear on the right side.
4. Click an icon to hide or display data on the chart.
5. Click to display data using a line chart or column chart.
6. Click to export statistics.



7 E-map

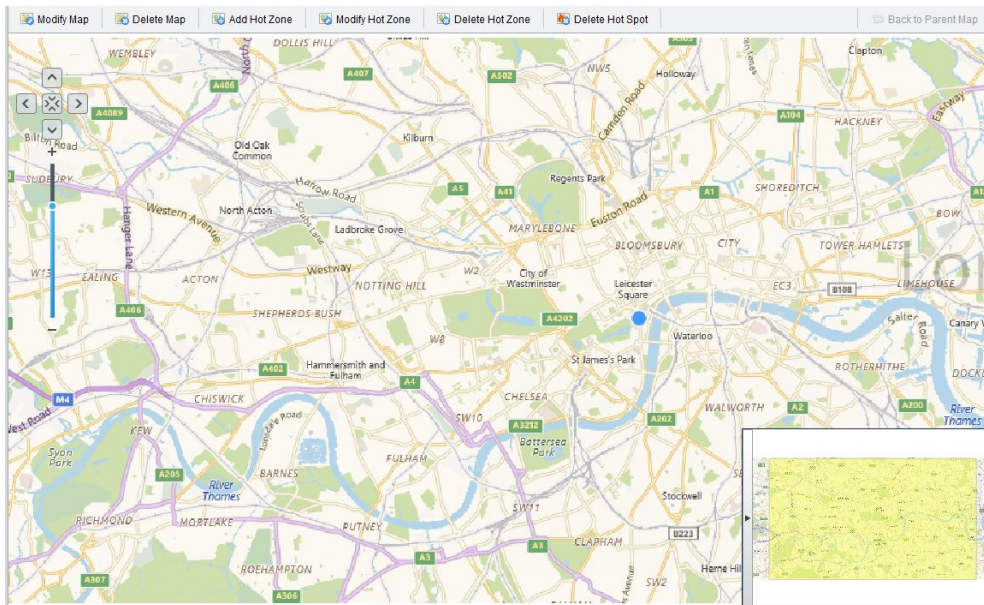
Preparations

Before you can use the e-map, you need to add an e-map first and then add hot spots and hot zones.

Add an E-map

Click **E-map** on the control panel and then follow the steps.

1. When you access E-map for the first time, click **Add Map**.
2. Enter the map name, select the map image, and then click **Add**. The map is added, for example.

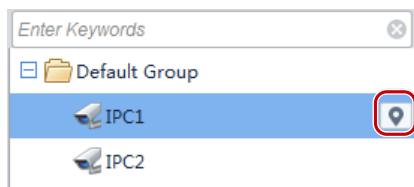


3. To edit the map name or choose a different map image, click **Modify Map** on the top toolbar.
4. To delete a map, click **Delete Map**. Deleting a map will delete all hot spots and hot zones on it. If the deleted map has a parent map, the parent map is displayed.
5. You can drag and zoom in or out on the map.

Add a Hot Spot

A hot spot is a camera on the e-map.

1. Drag cameras to intended locations on the map.
2. To change the color of a hot spot, right-click the hot spot and then choose a color.
3. To delete a hot spot, right-click the hot spot and then click **Delete**; or click **Delete Hot Spot** on the top toolbar.
4. To locate a hot spot on the map, click the **Locate** button.



Add a Hot Zone

A hot zone is a child map on the map.

1. Click the **Add Hot Zone** on the top toolbar.
2. Enter the zone name, select an image file for the zone, and then click **Add**. The hot zone appears on the map as a small red icon.
3. Drag the hot zone to the intended position on the map. To change color or delete the hot zone, right-click the hot zone.

4. To change the zone name or choose a different image file, select the zone and click **Modify Hot Zone** on the top toolbar.

Map Operations

After you complete configuration on the **Edit** tab, click the **Preview** tab to perform map operations.

View Live Video from a Hot Spot

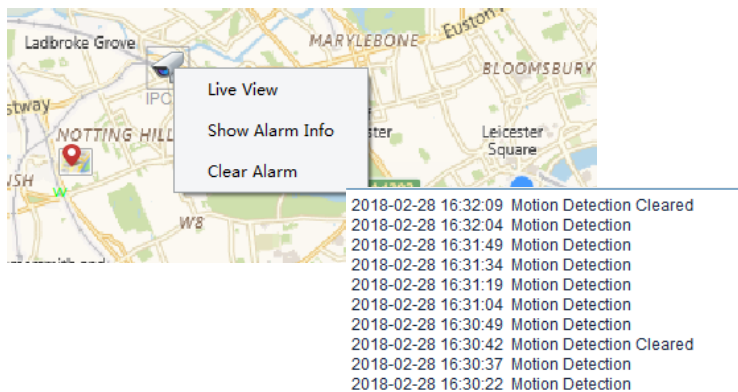
Double-click a hot spot on the map for live video; or double-click the camera on the camera list.

View a Hot Zone

Double-click the red icon on the map. The hot zone is displayed. Click **Back to Parent Map** in the top right corner to go back to the parent map.

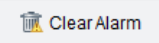
View Hot Spot/Hot Zone Alarms

When a hot spot (including those in a hot zone) reports an alarm (e.g., motion detection), the hot spot or hot zone icon blinks red on the map. Right-click the hot spot icon and click **Show Alarm Info** to view alarm info. To view hot zone alarms, double-click the hot zone icon to open it and then view alarm info of the corresponding hot spot.



Clear Hot Spot/Hot Zone Alarms


To clear hot spot alarms, right-click the hot spot icon and then click **Clear Alarm**. To clear hot zone alarms, double-click the hot zone icon to open it, and then clear the corresponding hot spot alarms. You may also select a hot spot and then click.

You may also use the  button to clear alarms. The hot spot or hot zone restores to normal status when alarms are cleared.

8 Audio

Audio service includes audio and two-way audio. The services are exclusive to each other, which means, starting one will stop another.

Audio

When live video is playing, turn on audio from the camera by clicking  (see [Live View Window Toolbar](#)). The audio is one-way (from camera to PC) and it stops with live video.

Note: Audio is available for one camera at a time.

Two-Way Audio

Two-way audio is audio communication between a device (camera or NVR) and the PC. Both the device and the PC shall be connected to audio input and output devices.

When live video is playing, right-click the window and click **Two-way Audio**. To stop two-way audio, deselect **Two-way Audio**.

Note:

- Two-way audio with an NVR is not available to the Mac version.
- One two-way audio is available at a time.

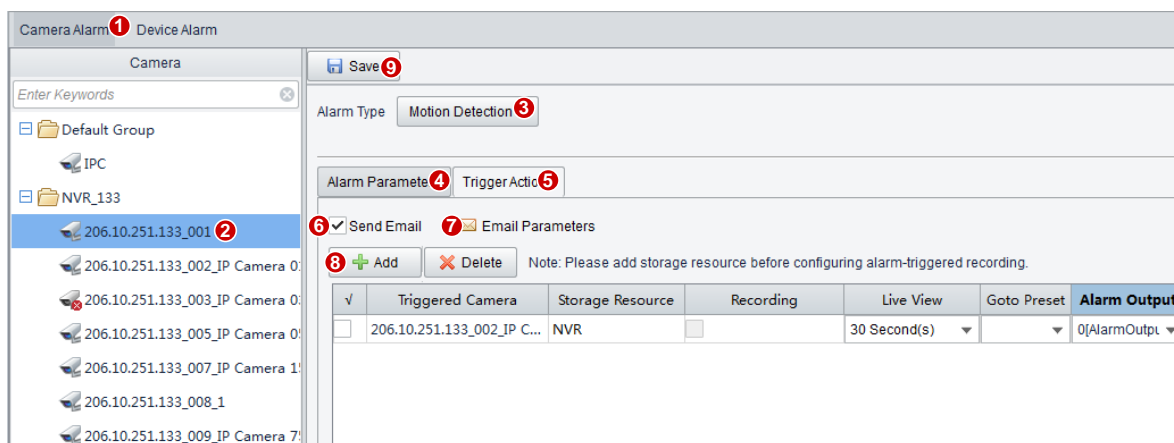
9 Alarm Management

Configure action(s) to trigger when an alarm of a certain type occurs at a specified source; view latest or history alarms, and export alarm records to your PC.

Configure Alarm-Triggered Action

Click **Alarm Configuration** on the control panel and then follow the steps.

Example:



1. Select a type. Take **Camera Alarm** as an example.
2. Select the alarm source. An alarm source will trigger the configured actions.
3. Select an alarm type. An alarm of the specified type will trigger the configured actions.
4. Configure alarm parameters (required for certain alarm types such as motion detection). For some alarm types, you need to configure alarm parameters in the Web interface of the device.
5. Click the **Trigger Actions** tab.
6. To receive an email notification when an alarm occurs, select the check box.
7. Configure email parameters (see [System Configuration](#)).
8. Click **Add**. A dialog box appears. Select the devices to trigger and then click **OK**. The selected devices appear on the list. These devices will be triggered to perform the specified actions when an alarm of the specified type (step 2) occurs at the specified source (step 1).
9. Configure actions to trigger:
 - Alarm-triggered live view: An alarm will trigger live video from the camera in a pop-up window. See [An Example of Alarm-Triggered Live View](#).
 - Alarm-triggered preset: An alarm will trigger the PTZ camera to rotate to the preset. The presets in the list need to be configured beforehand.
 - Alarm-triggered output: An alarm will trigger the camera to output an alarm so as to trigger an action by a third-party device.
 - Alarm-triggered video wall (not available to the Mac version): An alarm will trigger the video wall to play live video from the camera. You need to complete video wall configuration first. Only one camera can be selected.



NOTE!


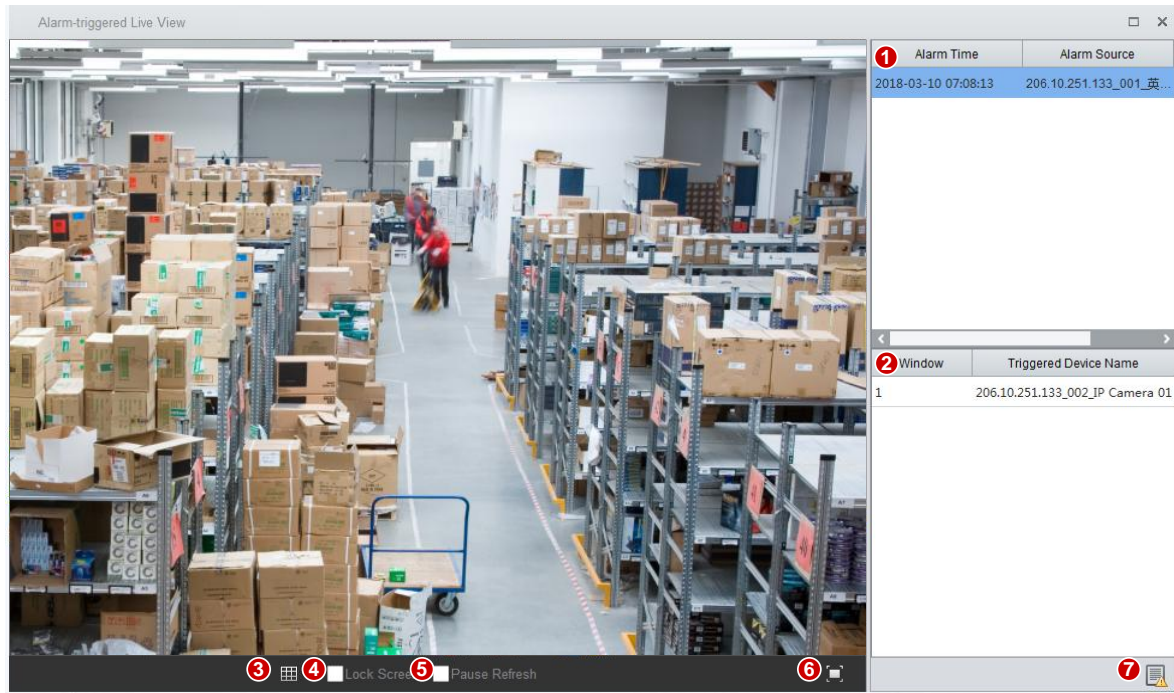
- For alarm-triggered live view to take effect, click  in the bottom left corner (see [Buttons on the Main Window](#)) and select **Display Triggered Live View**.
- Triggering live video from multiple cameras may cause high CPU usage and affect other services.

Figure 9-1 An Example of Alarm-Triggered Live View



















- 1: Alarm time and alarm source.
- 2: Triggered device(s) and corresponding window number.
- 3: Set screen layout.
- 4: Lock the current layout.
- 5: When selected, the current live video will not be replaced by subsequent alarm-triggered live video.
- 6: Switch to full screen. Press **Esc** to exit.
- 7: View alarm records.



View Alarm Records

Click **Alarm Records** on the control panel to view alarm records, acknowledge alarms, and export alarms to your PC.

Latest Alarm

The **Latest Alarm** tab list the latest alarms since your current login. The list refreshes automatically.

Latest Alarm		History				
Acknowledge 						
<input type="checkbox"/>	Alarm Time	Device Name	Alarm Type	Alarm Level	Alarm Description	Preview
<input type="checkbox"/>	2018-03-02 03:45:02	IPC1	Motion Detection Cleared	Info		
<input type="checkbox"/>	2018-03-02 03:44:57	IPC1	Motion Detection	Major		
<input type="checkbox"/>	2018-03-02 03:44:42	IPC1	Motion Detection	Major		
<input type="checkbox"/>	2018-03-02 03:44:27	IPC1	Motion Detection	Major		
<input type="checkbox"/>	2018-03-02 03:44:12	IPC1	Motion Detection	Major		
<input type="checkbox"/>	2018-03-02 03:43:57	IPC1	Motion Detection	Major		
<input type="checkbox"/>	2018-03-02 03:43:42	IPC1	Motion Detection	Major		
<input type="checkbox"/>	2018-03-02 03:43:27	IPC1	Motion Detection	Major		
<input type="checkbox"/>	2018-03-01 11:14:55	206.10.251.133_011_IP Camera ...	Motion Detection	Major		
<input type="checkbox"/>	2018-03-01 11:14:55	IPC2	Motion Detection Cleared	Info		
<input type="checkbox"/>	2018-03-01 11:14:50	IPC2	Motion Detection	Major		
<input type="checkbox"/>	2018-03-01 11:14:35	IPC2	Motion Detection	Major		
<input type="checkbox"/>	2018-03-01 11:14:34	IPC2	Motion Detection Cleared	Info		
<input type="checkbox"/>	2018-03-01 11:14:32	206.10.251.133_011_IP Camera ...	Motion Detection Cleared	Info		
<input type="checkbox"/>	2018-03-01 11:14:29	IPC2	Motion Detection	Major		

- To acknowledge alarm(s), double-click an alarm; or select alarms and then click **Acknowledge**. Alarms disappear from the list once acknowledged.
- To select all the currently displayed alarms, click .
- Sort the list by clicking a table header: Alarm Time, Device Name, Alarm Type and Alarm Level.
- To turn on alarm sound, click .

History Alarm

Click the **History** tab to view history alarm records.

To make a query, select check box(es) and set query condition(s). Clicking **Reset** will disable the current query conditions.

Example

Latest Alarm		History							
<input checked="" type="checkbox"/>	Device Name	IPC2	<input checked="" type="checkbox"/>	Alarm Type	Motion Detection	<input checked="" type="checkbox"/>	Acknowledged By	admin	
<input checked="" type="checkbox"/>	Alarm Level	Major	<input checked="" type="checkbox"/>	Alarm Status	Acknowledged				
<input checked="" type="checkbox"/>	Start Time	2018/3/1 13:38	End Time	2018/3/1 13:41					
<input type="button" value="Query"/> <input type="button" value="Reset"/>									
<input type="button" value="Details"/> <input type="button" value="Acknowledge"/> <input type="button" value="Export"/>									
<input type="checkbox"/>	Alarm Time	Device Name	Alarm Type	Alarm Level	Alarm Description	Alarm Status	Acknowledged By	Acknowledged At	Remarks
<input type="checkbox"/>	2018-03-01 13:40:50	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	
<input type="checkbox"/>	2018-03-01 13:40:43	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	
<input type="checkbox"/>	2018-03-01 13:40:28	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	
<input type="checkbox"/>	2018-03-01 13:39:49	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	
<input type="checkbox"/>	2018-03-01 13:39:34	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	
<input type="checkbox"/>	2018-03-01 13:39:19	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	
<input type="checkbox"/>	2018-03-01 13:39:04	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	
<input type="checkbox"/>	2018-03-01 13:38:49	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	
<input type="checkbox"/>	2018-03-01 13:38:34	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	
<input type="checkbox"/>	2018-03-01 13:38:19	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	
<input type="checkbox"/>	2018-03-01 13:38:04	IPC2	Motion Detect...	Major		Acknowledged	admin	2018-03-01 13:42:02	

- To view detailed info about an alarm, select the alarm and click **Details**.
- To acknowledge an alarm, select the alarm and click **Acknowledge**.
- To export the currently displayed alarm records and save to your PC, click **Export**. Alarm info is saved in a CSV file. Use Microsoft Excel to open it.

- To select all the currently displayed alarms, click .

10 Operation Logs

Click **Operation Log** on the control panel to query logs or export logs to your PC.

Example:

- To make a query, select check box(es) and set query condition(s). Clicking **Reset** will disable the current query conditions.
- Click **Export** to export the currently displayed logs to a CSV file.

11 Others

System Configuration

Click **System Configuration** on the control panel to configure the following parameters.

Parameter		Description	
Audio & Video	Video	Processing Mode	Normally Short Delay is recommended; Fluent is recommended if network transmission has delay.
		Display Mode	Set according to the display capability of your PC.
		Stream Transmission Protocol	Transmission protocol for a camera to send video data to the display window. The changed setting takes effect at the next startup of the software. Note: <ul style="list-style-type: none"> • TCP is recommended in poor network conditions. • For UDP, make sure the software is not blocked by the firewall.
		Enable GPU Mode	Not available to the Mac version. When enabled, the software can start stream for more cameras.
		Enable VCA Rule	Not available to the Mac version. When enabled, VCA rules display on the live video of the camera that supports this function.
		Enable Shortcut PTZ Control	Not available to the Mac version. When enabled, shortcut PTZ control is available.

Parameter		Description
	Picture	Snapshot Format <ul style="list-style-type: none"> • BMP: Non-compressed images and require more space. • JPEG: Compressed images and require less space. <p>Note: The default format is JPEG. To get better image quality, select BMP.</p>
	Recording	Local/Downloaded Recording Format <p>Format of local/downloaded recordings: TS and MP4.</p>
System	Startup	Enable Auto Login to EZStation <p>When enabled, automatically start the software and log in after you log in to the operating system. This function only applies to admin.</p>
		Enable Auto Login to Windows <p>Not available to the Mac version. When enabled, automatically log in to Windows with the provided username and password at startup.</p>
	Log	Save Operation Log For <p>Retention period for operation logs.</p>
		Save Alarm Log For <p>Retention period for alarm logs.</p>
	Maintenance	Import Configuration <p>Import configurations from a configuration file.</p>
		Export Configuration <p>Export configurations to save as a file.</p>
Operation	Alarm	Enable Alarm Sound <p>If enabled, you can custom alarm sound duration and set different sounds for different alarm types.</p>
	Service	Enable Auto Time Sync <p>If enabled, the software syncs the PC's system time to cameras. Interval: Synchronization interval.</p>
	Email	Required for alarm-triggered email (see Configure Alarm-Triggered Action). The specified email address(es) will receive an email when an alarm occurs. <ul style="list-style-type: none"> • Sender: Email address used to send emails. • Recipient: Email address used to receive emails.

Parameter		Description
		Tip: Use the sender address as the recipient and click Send Test Email to make a test.

User Management

Click **User Management** on the control panel to add, edit or delete users.

Use the default username/password (**admin/123456**) to log in. "admin" is the super administrator and cannot be edited or deleted.

- To add a user, click **Add**:
 - Administrator: Only admin can add administrator. Administrator has all permissions by default.
 - Operator: Admin or administrator with user management permissions can add operators. An operator has no permission by default.
- To edit a user such as password, double-click the user on the list; to delete user(s), select and click **Delete**.



NOTE!

Menus may be grayed out or hidden for lack of permission. Contact admin if necessary.

Cloud Device Management

Click **Device Management** on the control panel and then follow the steps.

- Click **Device > Cloud Device**.
- If you already have a cloud account, proceed to step 3; otherwise, click **Register** to sign up.
- Enter your username and password for your cloud account, and then click **Login**. Devices under your cloud account appear.
- To add a device to your cloud account, click **Add**. The register code is displayed in the Web interface of the device. See device documentation for details. The device is on the **My Cloud Device** list.

Tips: You can view live video from online cloud devices (IPC or NVR) like local devices.

On the **My Cloud Device** list, you can:

- Add or delete a cloud device.
- Double-click a device to change its name. To sync the new name to cloud, select **Sync to Cloud**.
- Click **Share** to share with another cloud account. Permissions are pre-configured on the device.
- Click **Sharing Records** to view sharing history.

The **Shared Cloud Device** list lists devices shared to you by other cloud accounts. Clicking **Cancel Sharing** will stop sharing.

Multi-Monitor Display

If your PC is connected to two or more monitors, you may use this function to view live video in up to 4 monitors. The auxiliary monitor(s) are for live view only; configurations are still performed on the main monitor.

Just click **Live View** on the control panel to open new live view windows according to the number of monitors connected.

Multi-Window Display

Drag a tab to open a new window.

Example:

