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.

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

Conventions

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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 <u>Glossary</u>).
- 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
-----------	---------	--------	------	--------

lcon	Description
menu	System menu
	Lock account
M	Switch to another user
0	Open user manual
	View latest alarms, turn on/off alarm sound, enable/disable Display Alarm-Triggered Live View.

lcon	Description		
9	View system messages		
	Manage download tasks		
admin	Current user		

3 Live View

Add an Encoding Device

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

NOTE!

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- 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.

_										
Ма	inaged Device(2) 🕂 Add 🤞	/ Edit	X Delete	e 🥥 Configuration	 Status 				En	ter Keywords
V	Name	IP A	ddress	Status		Model	Device Configuration		Version Info	
	IPC_206.10.252.133	206.10	.252.133	Online	IPC.					
	NVR_206.10.251.133	206.10	0.251.133	Online	NVR					
										E-the Kaun
Or	line Device (29) 🔶 ¢		>							Enter Keywo
1	IP Address M	odel		Device Configuration		Serial No.	Versi	on Info	A	dded
	206.10.251.133 NVR								Yes	
	206.10.252.133 IPC								Yes	

3. On the Managed Device list, you can:

То	How To
Add more device(s)	 Click Add. 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. 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. Click Add to add to the default group; or click Add to Group to add to a specified group.
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.

Device	Group	
🕂 Add Group		
Default Group		
Main Gate		ü 🖉

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.

Import Camera			□ ×
Encoding Device		Group	+
Enter Keywords		Enter Keywords	8
		🚞 Default Group	
V 😴 IPC		🖃 🚞 Main Gate	
NVR		RC 😪	İ
	Import Selected		

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.

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.				
Ħ	Save the current view.				
E	Save the current view as another name.				
	Close all windows playing videos.				
м	Play the live video of the previous camera or view.				
11	Pause/Resume sequence display.				
©	Adjust sequence display interval.				
м	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.				

Table 3-1 ∟	ive View	Toolbar	Buttons
--------------------	----------	---------	---------

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 <u>System</u> <u>Configuration</u> .		
est: , E ∑	Record video to your PC (known as local recording). The storage path is configurable in <u>System Configuration</u> .		
Ô	Available to PTZ cameras only. Click to open the PTZ control panel.		
	 Fisheye control, set mount mode and display mode to get desired images: 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). Note: This function is not available to the Mac version. The fisheye control button is available to fisheye cameras only. 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. Digital zoom is disabled in dewarping mode, and the digital zoom is enabled, digital zoom will be disabled automatically, and the image restores its original size. Dewarping mode is not available when resolution is below than D1, and the fisheye control button is grayed out. 		
⊕, ⊕	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.		
D) <	Mute or adjust speaker sound volume for your PC.		
Ð	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.		
(2.00Mbps, 1280x720)	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	Select a stream type for the current window: Auto, main, sub and third stream	

Parameter	Description	
	(options may vary with device).	
	Note:	
	• Sub and third stream are available when the device supports.	
	• This feature is unavailable in sequence display.	
	Trigger an alarm manually.	
	Note:	
Manual Alarm	<i>It is recommended you configure an action first (see <u>Configure Alarm-Triggered</u> <u>Action</u>). A click of this button will generate an alarm and trigger the configured action.</i>	
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.

Cam 1	Cam 2	
Cam 3	Cam 4	

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

NOTE!

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

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		
	Control rotation direction or stop rotation. <i>Tip:</i> <i>With 3D positioning disabled, hover the mouse pointer on the live view</i> <i>window. When the shape changes to like</i> , <i>click and hold the left button</i> <i>to rotate the camera.</i>		
(+) (-) (+) (-)	Adjust focus and zoom.		
 	 Control the light. Control the wiper. Control the IR. Control the heater. Control the snow removal function. 		
Speed: - +	Adjust rotation speed.		
<u>ଅ</u>	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.		
 < /ul>	 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. 		

Parameter	Description			
	 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 start a patrol route. Click to delete a patrol route. Click to set patrol, including patrol route info and patrol plan. 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: 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 <u>Add a Group</u>.

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 II or **b** to pause or resume, click **d** or **b** to play the previous or next camera in

the group, click ^O 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.

Cam 1	Cam 2	20ş	Cam 5	Cam 6	20s	Cam 1	Cam 2	
Cam 3	Cam 4		Cam 7	Cam 8		Cam 3	Cam 4	

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

View	
Enter Keywords	8
🖯 🚞 Default View	
1-Split	
4-Split	
9-Split	
16-Split	
25-Split	_
🗆 🚞 Custom View	PH
10-Split	
2 Corridor+3 Cams	
3 Corridor	

2. Click I 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

	>
-100	

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:

Camera	Save 🖹 Copy To 🕤
Enter Keywords	
🖯 🚞 Default Group	I Enable 2
💞 IPC	Template Select Edit Template
E CNVR_133	
<i>√</i> 206.10.251.133_001 1	Monday
妃 206.10.251.133_002_IP Camera 0	Tuesday
🚜 206.10.251.133_003_IP Camera 0	Wednesday Thursday
纪 206.10.251.133_005_IP Camera 0	Friday 3
😪 206.10.251.133_007_IP Camera 1	Saturdav
206.10.251.133_008_1	(08 :00 ~18 :00 00 :00 ~00 :00 00 :00 ~00 :00 00 :00 ~00 :00 ~00 :00 ~00 :00 /00 00 :00 ~00 00 :00 /00 00 00 00 00 00 00 00 00
206.10.251.133_009_IP Camera 7	Sunday
妃 206.10.251.133_010_IP Camera 10	
🚭 206.10.251.133_011_IP Camera 1	

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 (E) and Stop Local

Recording (🕮) buttons on the window toolbar.

Tips:

NOTE!

- The default path and file format for local recording is configurable. See <u>System Configuration</u>.
- 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.

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:

Detoc Local View Camera Enter Keywords Image: Camera Image: Camera <	206.10.251.133_008_1	206.10.251.133_002_IP Camera 01
↓ 20010.251.133_007_JP Camera 15 ↓ 20010.251.133_007_JP Camera 15 ↓ 20010.251.133_001_JP Camera 75 ↓ 20010.251.133_010_JP Camera 70 ↓ 20010.251.130_JP Camera 70 ↓ 20010.251.130_JP Camera 70 ↓ 20010.251.130_JP Camera 70 <	206.10.251.133_005_IP Camera 05	206.10.251.133_007_IP Camera 15
11 12 13 14 4 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 Recording Type	Timeline File Image: Constraint of the second seco	Q P20000 P400 h600 h800 P000 P200 P P

NOTE!

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- 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
А	Move the timeline forward or backward.
В	Start/pause playback.
С	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.
	Switch to synchronous playback.
	Note:
F	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 <u>Smart Search</u> .
н	Switch to full screen mode. Press Esc to exit.
Ι	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
오 🔲 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:

🛋 🕀, 😿 📢	(5.99Mbps, 1280x720)
	9

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 <u>System</u> <u>Configuration</u>).
В	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.
С	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:

Device Local					
Camera					
Enter Keywords					
🖃 🖌 🚞 Default Group					
V V IPC2					
🖃 🔽 🚞 Main Gate					
✔ �� 206.10.252.126					
✓ 206.10.252.134					
206.10.252.135					
🗄 🗔 🗁 NVR					
	▶	1x			 1
		Start Time	Duration		
Query Time	IPC1				
Start Time 2018/2/25 0:00:00		2018-02-26 10:26:42	00:00:08		
End Time 2019/2/26 23:59:59	1				
Recordiny Picture Query	5				

6. Double-click the file to start playback.

View Local Snapshots

Search and view snapshots on your PC. See <u>Play Local Recordings</u>. 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 and in a playback window. See <u>Playback Window Toolbar Buttons</u>.

- Select files to download and then click 🛃. See <u>Recording Search Results-File</u>.
- Click 👤 and then set the time range.

Device	Local			
	View			
	Camera			
Enter Keywords	S	8		
🖯 🗌 🚞 Defa	ault Group			
	IPC1			
🗸 🚅 I	IPC2	U 💽		
			Download	
			2011110	
			Camera	
			Start Time	
			End Time	

• To manage download tasks, click the task management button at the bottom (see <u>Buttons on</u> <u>the Main Window</u>). A dialog box appears.

		C	luery Tir	ne						
	< 2018	8 🕨	•	Februar	y 🕨					
Sun	Mon	Tue	Wed	Thu	Fri	Sat				
28	29			1	2	3				
4	5	6	7	8	9	10				
11	12	13	14	15	16	17				
18	19	20	21	22	23	24				
25	26	27	28	1	2	3				
4	5	6	7	8	9	10				
Record	ing Type	All				Ŧ				
				Tas	k Mai	nagem	ent			
	9	Ŀ		Batch	n Con	figurati	on Recording Download]		
				Cle	ear Fi	nished	Tasks			Stop
				2	06.10).251.1	33_008_1		Start Time:2018-02-27 00:	:00:00
				∠ 2	06.10).251.1	33_008_1-20180227000000-	-20180227235959	End Time:2018-02-27 23:5	59:59 Download finished.
				2	06.10	0.251.1	33_007_IP Camera 15		Start Time:2018-02-27 00:	:00:00
					06 10	1 151 1	22 007 ID Comons 15 2018		5 J.T. 2010 02 27 22 1	0%

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 <u>System</u> <u>Configuration</u>.
- 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.

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 <u>Play Remote</u> <u>Recordings</u> for the steps.
- 2. When playback starts, the Smart Search button (^(M)) 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

				02/	26 12:00:00				
	≪ <u>00:00</u>							×	+ +
Window1	L								**

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

- 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 <u>Add an Encoding Device</u> for reference; or add an NVR with a decoding card.



NOTE!

NOTE!

Add decoding devices as admin.

Add a Video Wall

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

steps.

Video Wall Info		□ ×
Name: Video Wall 1	Size: 2 X 2 🖉 🛛 R	Resolution: 1920*1080/60Hz(1080P) - 4
Decode Channel		
Decoding Device 3	•	
E me Decoding Device		
DVI_D1		
DVI_D3	Decoding Device:DVI_D1	Decoding Device:DVI_D2
DVI_D4		
DVI_D5		
DVI_D6		
DVI_D7		
DVI_D8		
DVI_D9		
DVI_D10		
DVI_D11	Decoding Device:DVI_D3	Decoding Device:DVI_D4
DVI_D12		
DVI_D13		
DVI_D14		
		6 OK Cancel

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 <a>[.
- 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

A	6	Θ	
	— -		

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.
В	Open window(s). Before you can perform any operation, you need to open windows on the screen first.
С	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 button, from left to right.

Figure 5-2 Window Control

		Channel Name	Stream	Preset
	▶ ■ Ø ⊠	ірс 🚺	Main Stream N	0 •
Playback Close Window				
	R Window			

The buttons are effective to a window.

No.	Description
н	Split a window.
I/J	Start/stop decoding in the window.
К	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
Р	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.
	Available to certain decoding devices only.
S	Display text on video images with custom font, size, alignment, color, background color and transparency.
	Appears for sequence display (play live video from cameras in a group in sequence).
Figure 5-3	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

<u>=//</u> I	NOTE!
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• 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 <u>Clear Alarm</u> 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 <u>Live View Window</u> <u>Toolbar</u>). 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:

Camera Alarm Device Alarm											
Camera	1	🖬 Save 9									
Enter Keywords		orm Ti	ma Mation Dataction								
🗆 🚞 Default Group		ann n	pe Motion Detection								
R IPC		Alarm Paramete 🕢 Trigger Actic 🕤									
E CNVR_133	/										
ali 206.10.251.133_001 2	6	G ✓ Send Email 7 Email Parameters									
🚭 206.10.251.133_002_IP Camera 0:		8+	Add 🗙 Delete N	ote: Please add storage	e resource before configur	ing alarm-triggere	ed re	cording.			
👡 206.10.251.133_003_IP Camera 0:		V	Triggered Camera	Storage Resource	Recording	Live View		Goto Preset	Alarm Output		
妃 206.10.251.133_005_IP Camera 0			206.10.251.133_002_IP C	NVR		30 Second(s)	•	•	0[AlarmOutpl 🔻		
妃 206.10.251.133_007_IP Camera 1											
206.10.251.133_008_1											
📢 206.10.251.133_009_IP Camera 7											

- **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 <u>An Example of Alarm-Triggered Live View</u>.
- 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 <u>Buttons on the</u> <u>Main Window</u>) 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					
√ Alarm Time	Device Name	Alarm Type	Alarm Level	Alarm Description	Preview
2018-03-02 03:45:02	IPC1	Motion Detection Cleared	Info		0
2018-03-02 03:44:57	IPC1	Motion Detection	Major		0
2018-03-02 03:44:42	IPC1	Motion Detection	Major		0
2018-03-02 03:44:27	IPC1	Motion Detection	Major		0
2018-03-02 03:44:12	IPC1	Motion Detection	Major		0
2018-03-02 03:43:57	IPC1	Motion Detection	Major		0
2018-03-02 03:43:42	IPC1	Motion Detection	Major		0
2018-03-02 03:43:27	IPC1	Motion Detection	Major		0
2018-03-01 11:14:55	206.10.251.133_011_IP Camera	Motion Detection	Major		0
2018-03-01 11:14:55	IPC2	Motion Detection Cleared	Info		0
2018-03-01 11:14:50	IPC2	Motion Detection	Major		0
2018-03-01 11:14:35	IPC2	Motion Detection	Major		0
2018-03-01 11:14:34	IPC2	Motion Detection Cleared	Info		0
2018-03-01 11:14:32	206.10.251.133_011_IP Camera	Motion Detection Cleared	Info		0
2018-03-01 11:14:29	IPC2	Motion Detection	Major		0

- 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 \checkmark .
- 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

LatestAl	arm	History								
✓ Devic ✓ Alarm	e Name n Level	IPC2 Major	•	Alarm Type	Motion Detection	 ✓ Acknowle ✓ 	adged By a	dmin 👻		
✓ Start	Time	2018/3/1 13	3:38 🔹	End Time	2018/3/1 13:41	÷		Query Reset		
Detail	s Acl	knowledge	Export]						
1	Alarm 1	Time	Device Na	me Alarm Typ	e Alarm Level	Alarm Description	Alarm Status	Acknowledged By	Acknowledged At	Remarks
2018	3-03-01 13:	:40:50	IPC2	Motion Dete	ect Major		Acknowledged	admin	2018-03-01 13:42:02	
2018	3-03-01 13:	:40:43	IPC2	Motion Dete	ect Major		Acknowledged	admin admin	2018-03-01 13:42:02	
2018	3-03-01 13:	:40:28	IPC2	Motion Dete	ect Major		Acknowledged	l admin	2018-03-01 13:42:02	
2018	3-03-01 13:	:39:49	IPC2	Motion Dete	ect Major		Acknowledged	l admin	2018-03-01 13:42:02	
2018	3-03-01 13:	:39:34	IPC2	Motion Dete	ect Major		Acknowledged	l admin	2018-03-01 13:42:02	
2018	8-03-01 13:	:39:19	IPC2	Motion Dete	ect Major		Acknowledged	l admin	2018-03-01 13:42:02	
2018	3-03-01 13:	:39:04	IPC2	Motion Dete	ect Major		Acknowledged	l admin	2018-03-01 13:42:02	
2018	3-03-01 13:	:38:49	IPC2	Motion Dete	ect Major		Acknowledged	l admin	2018-03-01 13:42:02	
2018	3-03-01 13:	:38:34	IPC2	Motion Dete	ect Major		Acknowledged	l admin	2018-03-01 13:42:02	
2018	3-03-01 13:	:38:19	IPC2	Motion Dete	ect Major		Acknowledged	l admin	2018-03-01 13:42:02	
2018	3-03-01 13:	:38:04	IPC2	Motion Dete	ect 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 \checkmark .

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

	Parameter		Description
		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 for a camera to send video data to the display window. The changed setting takes effect at the next startup of the software.
	Video	Transmission	Note:
		Protocol	• TCP is recommended in poor network conditions.
Audio &			• For UDP , make sure the software is not blocked by the firewall.
VILLEO			Not available to the Mac version.
		Enable GPU Mode	When enabled, the software can start stream for more cameras.
			Not available to the Mac version.
		Enable VCA Rule	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.

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

Parameter			Description					
	Picture	Snapshot Format	 BMP: Non-compressed images and require more space. JPEG: Compressed images and require less space. Note: The default format is JPEG. To get better image quality, select BMP. 					
	Recording	Local/ Downloaded Recording Format	Format of local/downloaded recordings: TS and MP4.					
System	Startup	Enable Auto Login	When enabled, automatically start the software and log in after you log in to the operating system. This function only applies to admin.					
		Enable Auto Login to Windows	Not available to the Mac version. When enabled, automatically log in to Windows with the provided username and password at startup.					
		Save Operation Log For	Retention period for operation logs.					
	LOg	Save Alarm Log For	Retention period for alarm logs.					
	Maintenance	Import Configuration	Import configurations from a configuration file.					
		Export Configuration	Export configurations to save as a file.					
	Alarm	Enable Alarm Sound	If enabled, you can custom alarm sound duration and set different sounds for different alarm types.					
Operation	Service	Enable Auto Time Sync	If enabled, the software syncs the PC's system time to cameras. Interval: Synchronization interval.					
	Email	 Required for alarm-triggered email (see <u>Configure Alarm-Triggered</u> <u>Action</u>). The specified email address(es) will receive an email when a alarm occurs. Sender: Email address used to send emails. Recipient: Email address used to receive emails. 						

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

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.

- **1.** 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.
- 2. To edit a user such as password, double-click the user on the list; to delete user(s), select and click **Delete**.

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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.

- **1.** Click **Device** > **Cloud Device**.
- 2. If you already have a cloud account, proceed to step 3; otherwise, click **Register** to sign up.
- **3.** Enter your username and password for your cloud account, and then click **Login**. Devices under your cloud account appear.
- 4. 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:

menu					≙	ы	0 [-	×
	Alarm Records	Device Management	Live View(1)					
								×
Playbac	*							
								□ ×
- 🕼 Alarr	m Configuration							
Camera Al	arm Device Alarm							