

VMS(Video Management System)User Manual

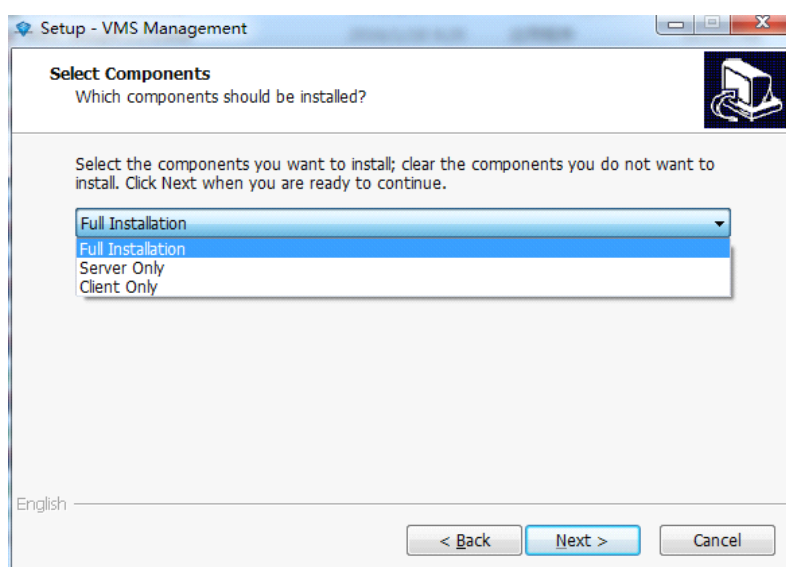
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1. Software Installation:

VMS consists of two parts, VMS server and VMS client, you can choose to install server or client installed on the same computer, it can also be installed separately on different local computer, select the default full installation.



2. VMS User Manual

2.1 VMS server user manual

2.1.1. Log in



Double click this logo on your desktop ,Start the server management program, start interface as the first use of VMS Management program, you need to create a superuser

As below, need creat a supper User

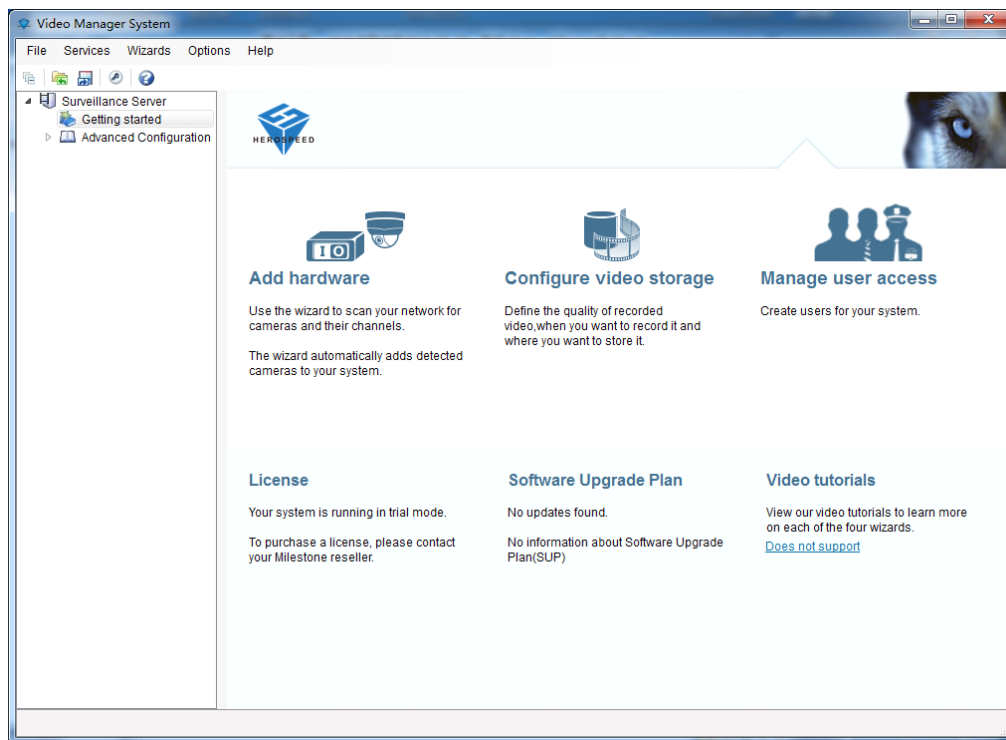
The first use of VMS Management program, you need to create a superuser

The screenshot shows a window titled "Login to Management Application". It contains a message: "The first landing of the system, please add users". Below this, there are three input fields: "User name:", "Password:", and "Confirm Password:". There is also a checkbox labeled "Save Username". At the bottom right, there are two buttons: "Add" and "Cancel".

Use super-user or administrator user login VMS Management

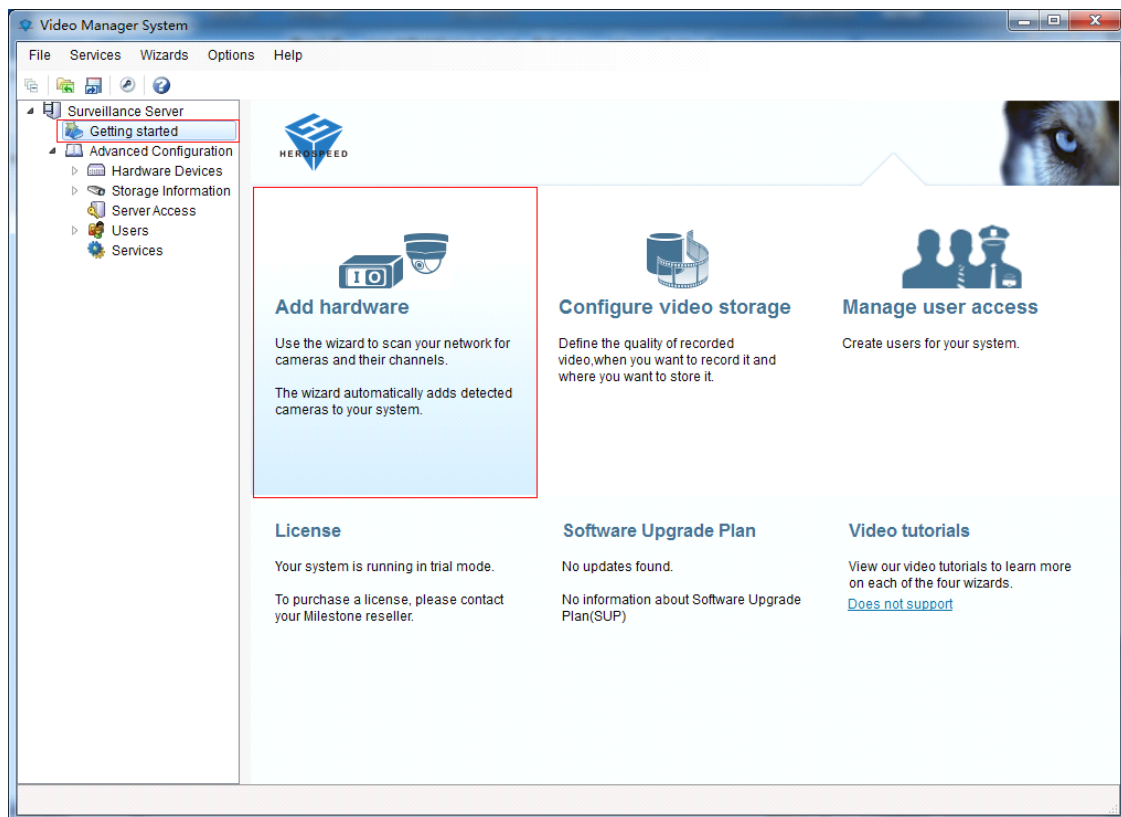
The screenshot shows the same "Login to Management Application" window. The "User name:" field is now a dropdown menu showing "admin". The "Password:" field has five dots. The "Save Username" checkbox is checked. At the bottom right, the buttons are "Login" and "Cancel".

VMS Management landing successfully entered the end of the main management interface



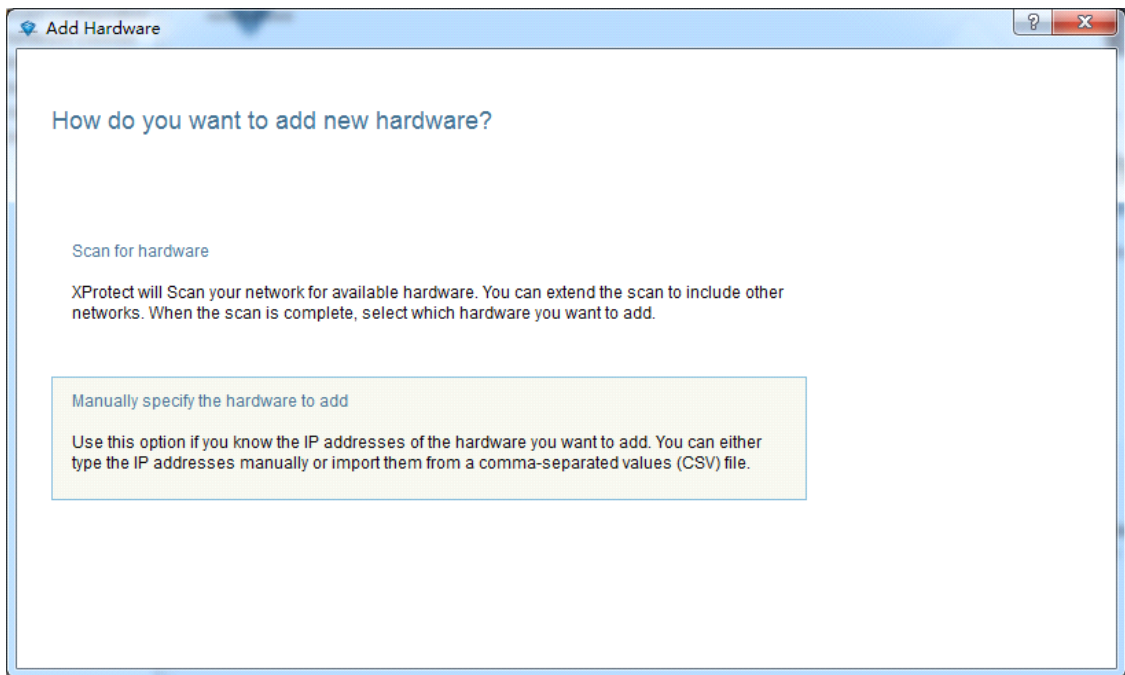
2.1.2 Add hardware

Click getting Started, then click add hardware

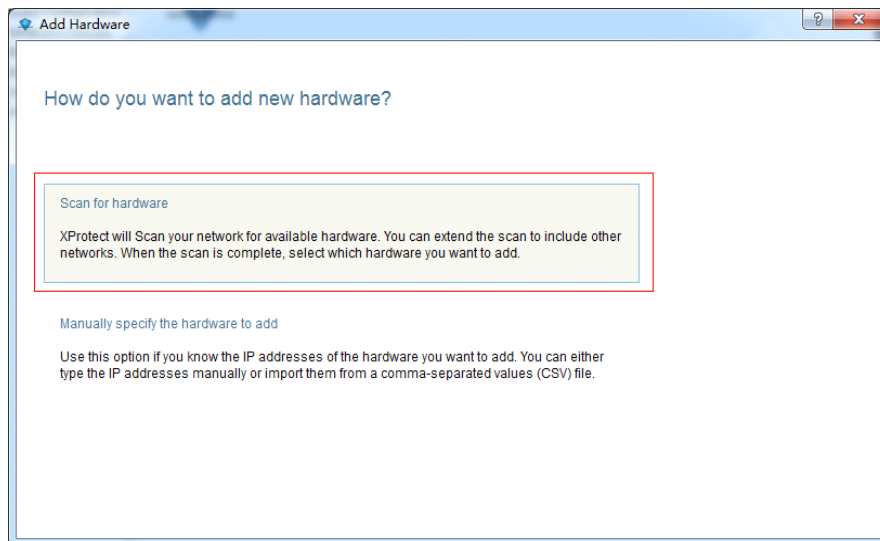


Pop-up dialog box to add add hardware, the hardware scan can scan directly inside the LAN hardware device, you can also scan the specified network hardware; manually add the hardware is added directly to know the address or the serial number of hardware

devic

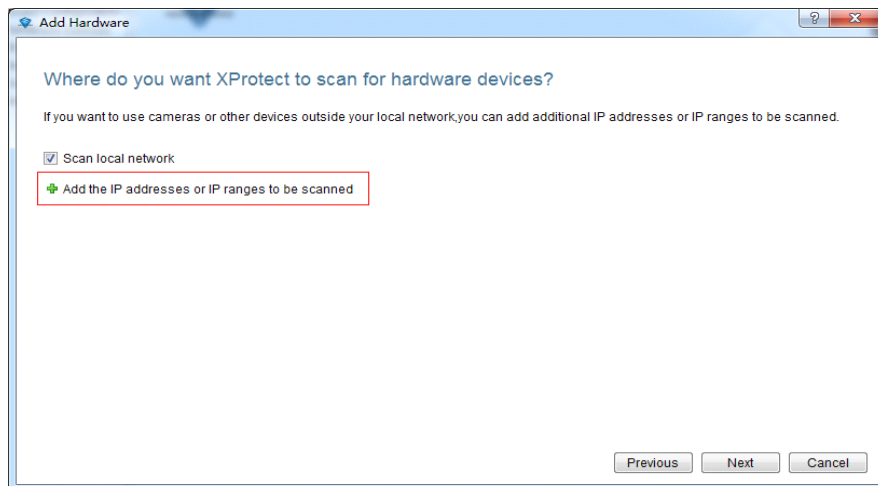


2.1.2.1 Scan hardware

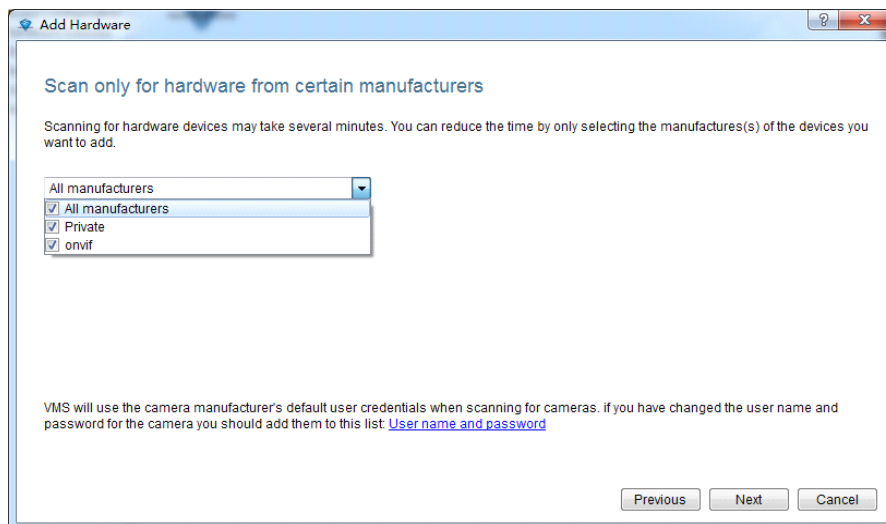


2.1.2.1.1 Scan the specified IP address hardware

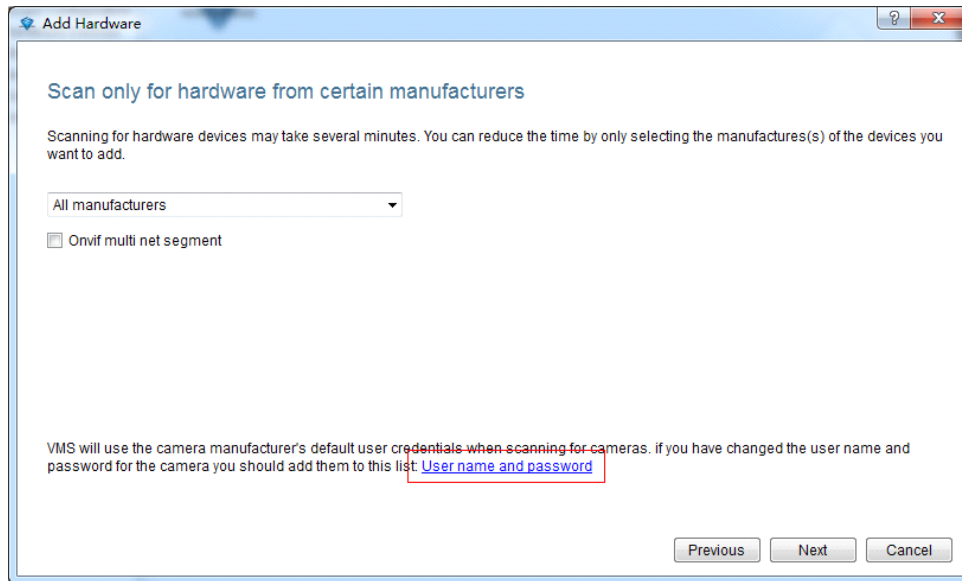
IP range can be set to filter search equipment, if you do not specify IP range can click Next to skip.



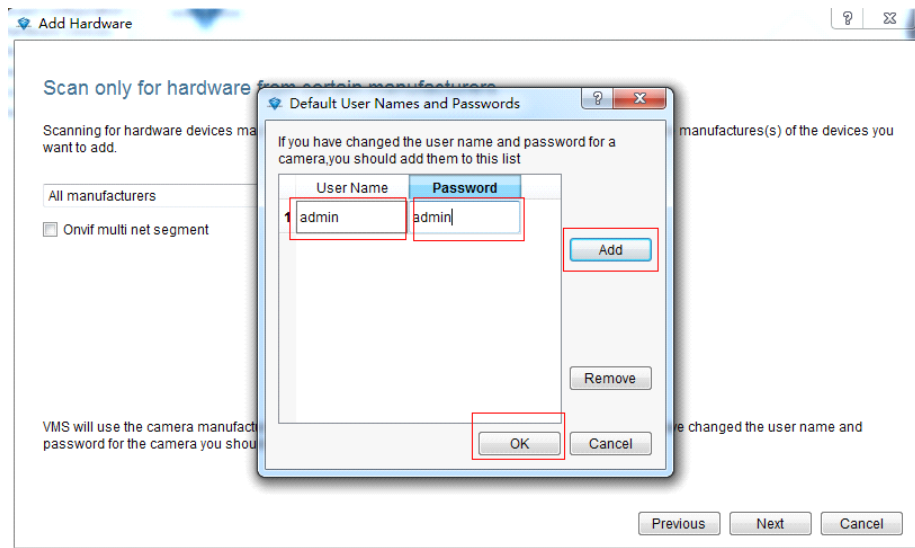
2. 1. 2. 1. 2 Scan the specified manufacturers hardware
manufacturers can be set to filter search equipment, if you do not specify manufacturers can click Next to skip, default all manufacturers.



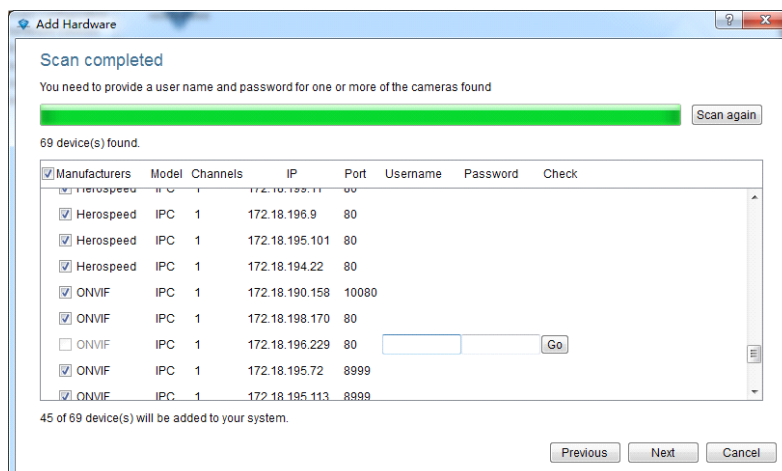
2.1.2.1.3 Automatic Configuration verification
Add default User name and password, automatic verification scanned hardware devices, (no need to configure automatic verification directly to the next step)



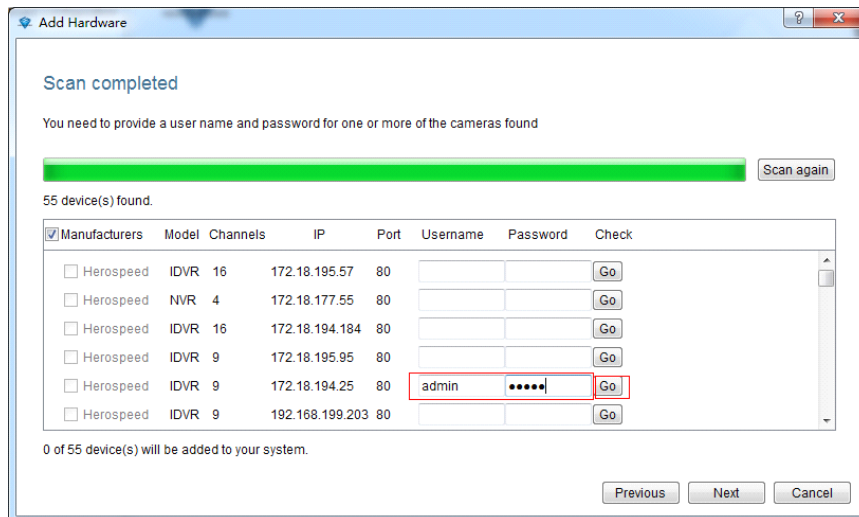
Click out the Dialog which can add user name and secret



2.1.2.1.4 Start searching a device according to the setting mode

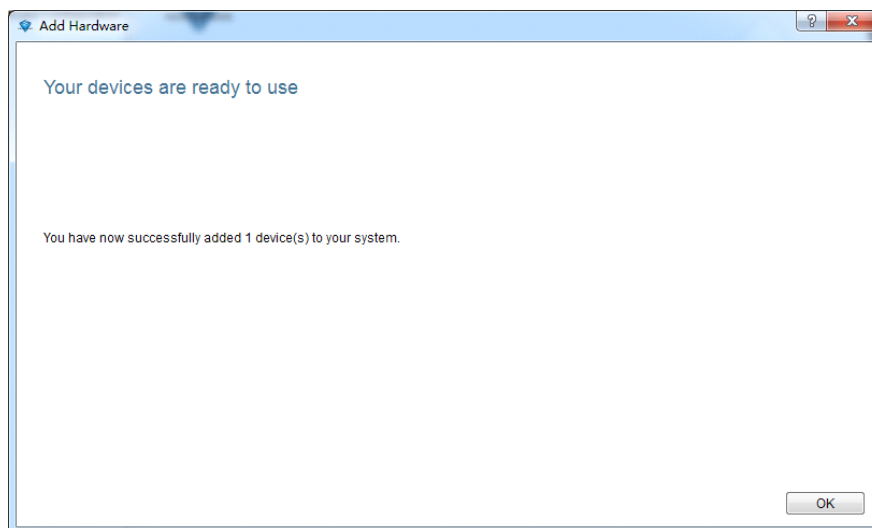


2.1.2.1.5 Manually verify hardware

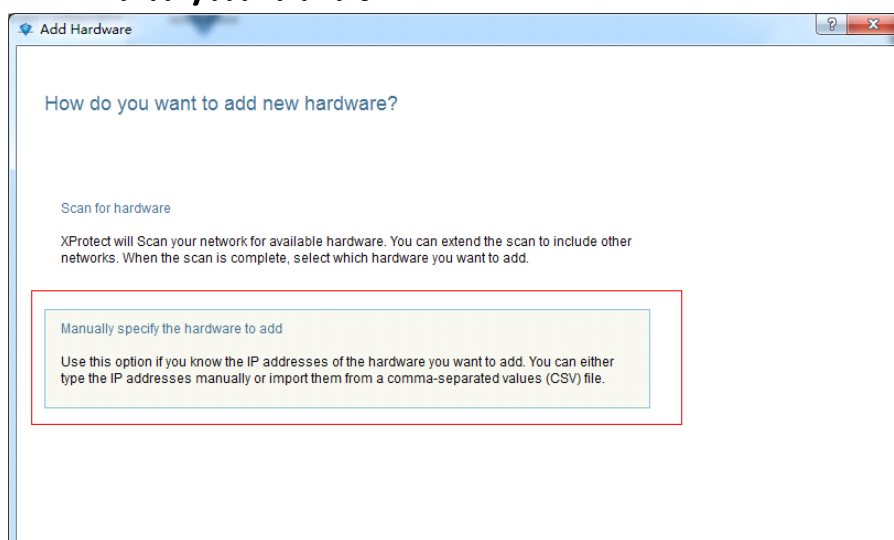


2.1.2.1.6 Complete adding hardware

Choose desired device and then click, next complete new adding device of Search mode.



2.1.2.2 Manually add hardware



2.1.2.2.1 Add hardware via IP address

Enter the IP, port number, user name, password, and the number of channels to choose the type

of new equipment Driver

Add Hardware

Type IP addresses

Type the IP addresses of the hardware you want to add to your system or import the information from a comma separated values(CSV) file. You can speed up the scanning process by selecting the manufacturer(s) of the devices you want to add.

Add Hardware Devices

IP Address	Port	User Name	Password	Channels	Driver
172.18.194.25	80	admin	9	Herospeed ID
	80			1	Auto-detect

Add P2P Devices

Serial number	Channels	Driver
	1	P2P IPC
	1	P2P IPC

Previous Next Cancel

2.1.2.2.2 Add hardware via Serial number

Input Devices SN code to add new P2P Device

Add Hardware

Type IP addresses

Type the IP addresses of the hardware you want to add to your system or import the information from a comma separated values(CSV) file. You can speed up the scanning process by selecting the manufacturer(s) of the devices you want to add.

Add Hardware Devices

IP Address	Port	User Name	Password	Channels	Driver
172.18.194.25	80	admin	9	Herospeed ID
	80			1	Auto-detect

Add P2P Devices

Serial number	Channels	Driver
9650410398603	1	P2P IPC
	1	P2P IPC

Previous Next Cancel

Complete adding new device manually

Add Hardware

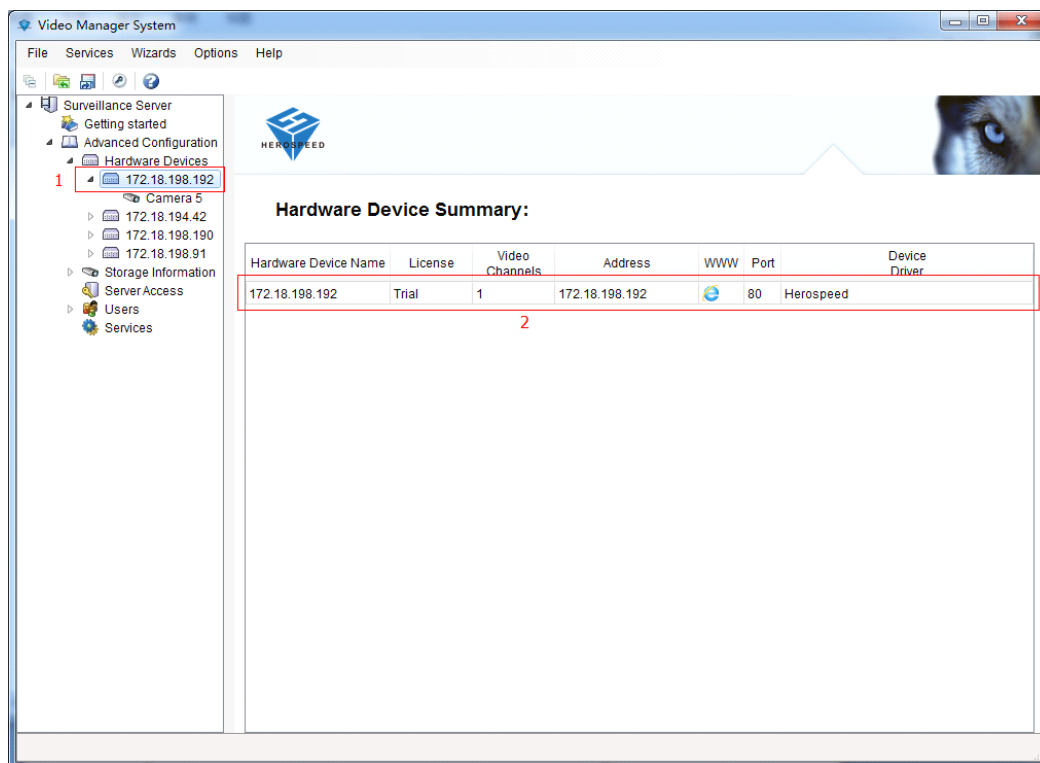
Your devices are ready to use

You have now successfully added 1 device(s) to your system.

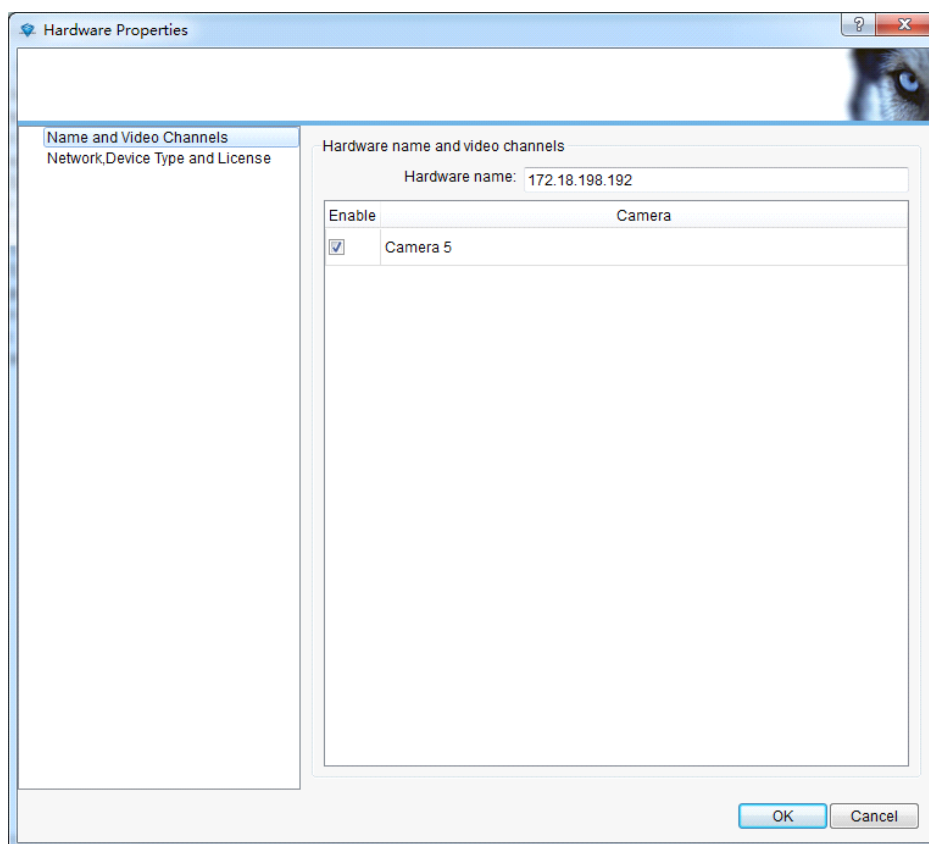
OK

2.1.2.3 Edit hardware properties

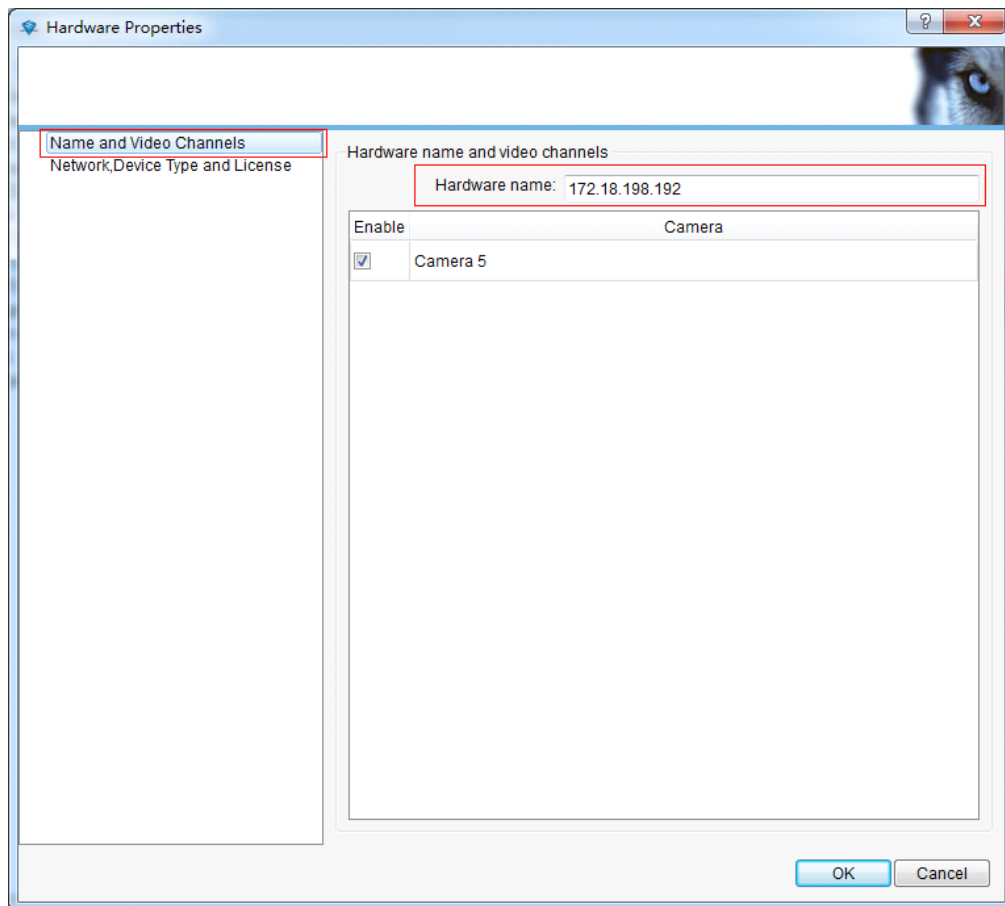
As shown below, click "1", double click "2."



click out the dialog of Hardware Properties



2.1.2.3.1 Modify the hardware device name

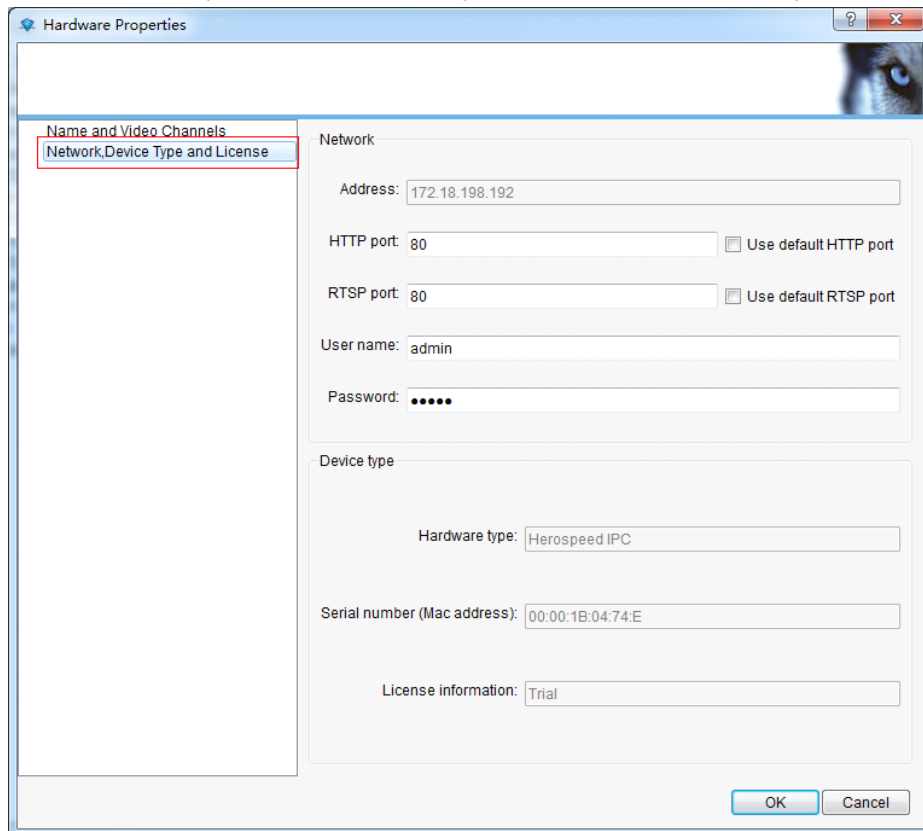


The screenshot shows the 'Hardware Properties' dialog box with the 'Name and Video Channels' tab selected. The 'Hardware name and video channels' section contains a text field for 'Hardware name' with the value '172.18.198.192'. Below this is a table with columns 'Enable' and 'Camera'. The first row shows 'Camera 5' with the 'Enable' checkbox checked.

Enable	Camera
<input checked="" type="checkbox"/>	Camera 5

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

2.1.2.3.2 Modify the hardware device port number, user name and password



The screenshot shows the 'Hardware Properties' dialog box with the 'Network, Device Type and License' tab selected. The 'Network' section contains fields for 'Address' (172.18.198.192), 'HTTP port' (80), and 'RTSP port' (80). There are checkboxes for 'Use default HTTP port' and 'Use default RTSP port'. The 'User name' field is 'admin' and the 'Password' field is masked with dots. The 'Device type' section has a 'Hardware type' field with 'Herospeed IPC'. The 'Serial number (Mac address)' field is '00:00:1B:04:74:E'. The 'License information' field is 'Trial'. 'OK' and 'Cancel' buttons are at the bottom.

Network

Address: 172.18.198.192

HTTP port: 80 ☐ Use default HTTP port

RTSP port: 80 ☐ Use default RTSP port

User name: admin

Password:

Device type

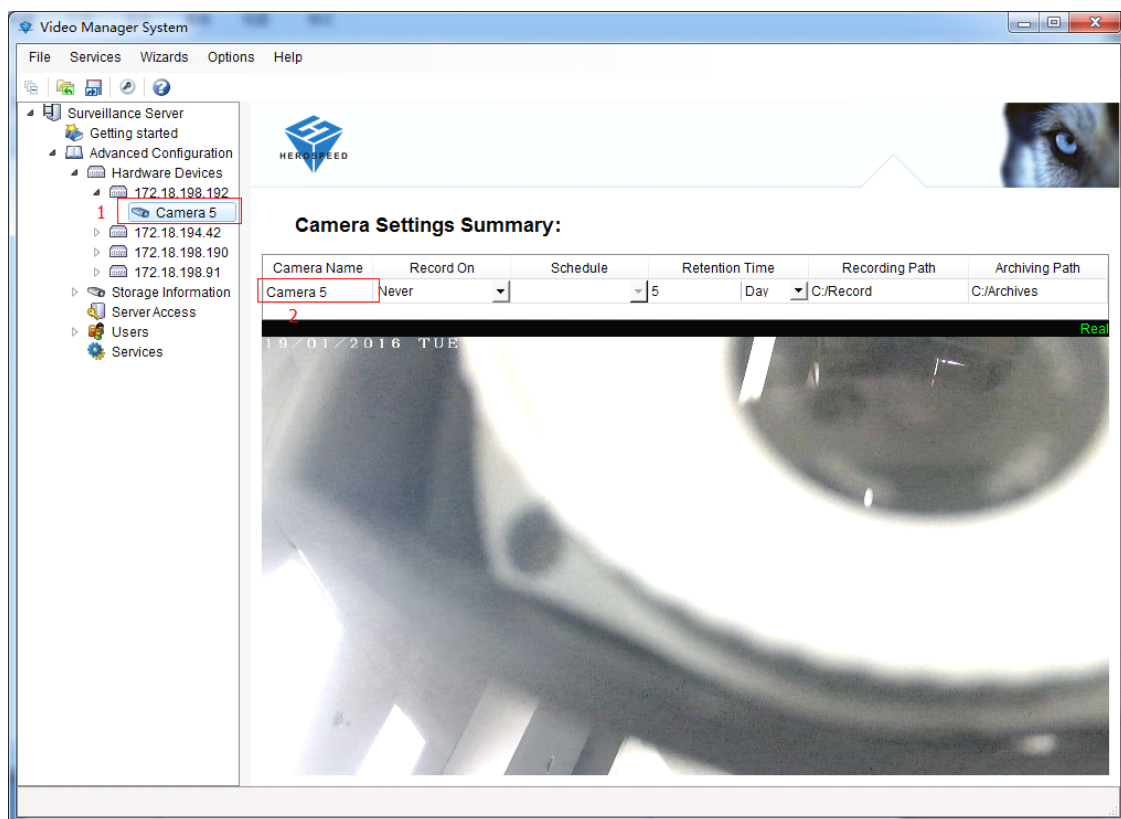
Hardware type: Herospeed IPC

Serial number (Mac address): 00:00:1B:04:74:E

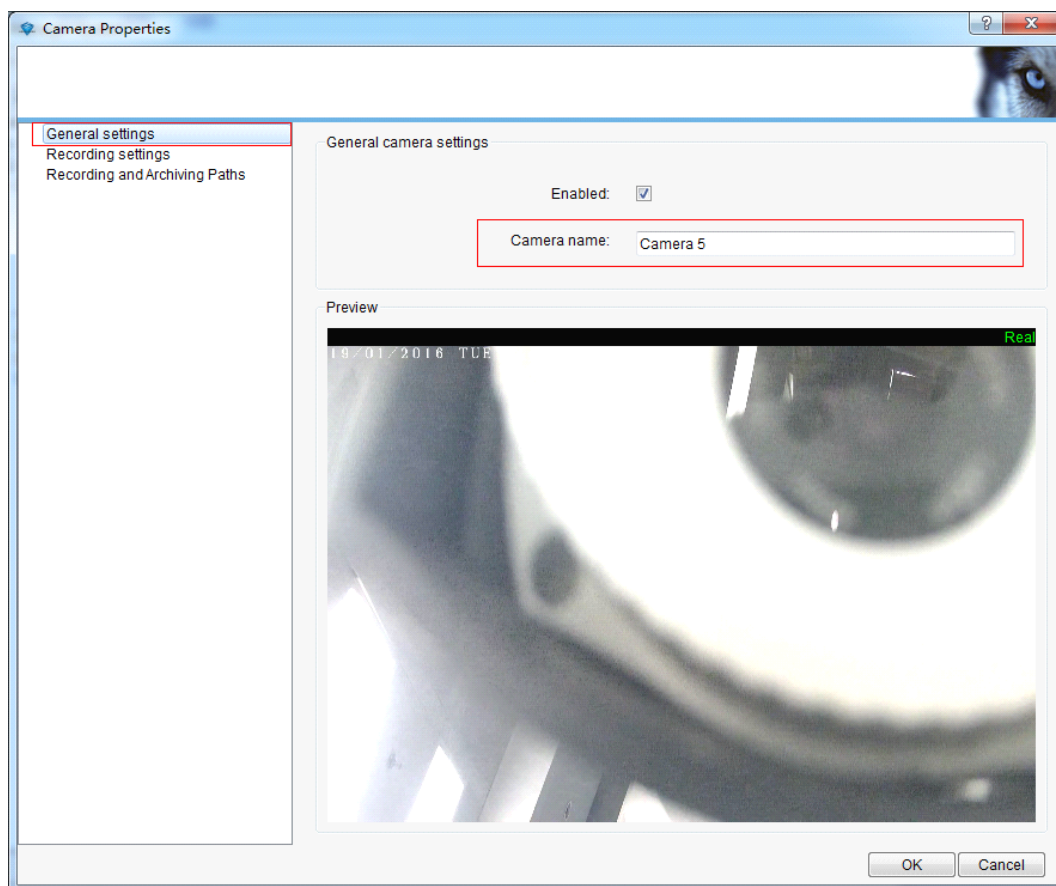
License information: Trial

2.1.2.3.3 Modify Channel name

As shown below, click the "1", double click the "2".



Open camera properties dialog box to modify



2.1.3 Storage configuration

Displays store configuration information of all the devices

The screenshot shows the 'Video Manager System' window with the 'Storage Information' tab selected in the left sidebar. The main area displays the 'Camera Summary' table and the 'Storage Usage Summary' section.

Camera Summary:

Camera Name	Record On	Schedule	Retention Time	Recording Path	Archiving Path
Camera 5	Never		5 Day	C:/Record	C:/Archives
Camera 6	Always		5 Day	D:/Record	D:/Archives
Camera 7	Always		5 Day	D:/Record	D:/Archives
Camera 8	Never		5 Day	C:/Record	C:/Archives

Storage Usage Summary:

Drive	Path	Drive Size	Other Data	Free Space
C:/	C:/	40 GB	40 GB	0 GB
D:/	D:/	142 GB	68 GB	74 GB
E:/	E:/	142 GB	69 GB	73 GB
F:/	F:/	141 GB	57 GB	84 GB

Legend: Free space Other space

Archiving Times: 14:22:38

Edit channel storage configuration, double click the list box on the right into the record and storage properties, can only configure one camera, or use the template to configure multi-cameras, (used template configuration see 2.1.3.3);

This screenshot is identical to the one above, showing the 'Video Manager System' window with the 'Storage Information' tab selected. It displays the same 'Camera Summary' table, 'Storage Usage Summary' table, and storage usage visualization.

Camera Summary:

Camera Name	Record On	Schedule	Retention Time	Recording Path	Archiving Path
Camera 5	Never		5 Day	C:/Record	C:/Archives
Camera 6	Always		5 Day	D:/Record	D:/Archives
Camera 7	Always		5 Day	D:/Record	D:/Archives
Camera 8	Never		5 Day	C:/Record	C:/Archives

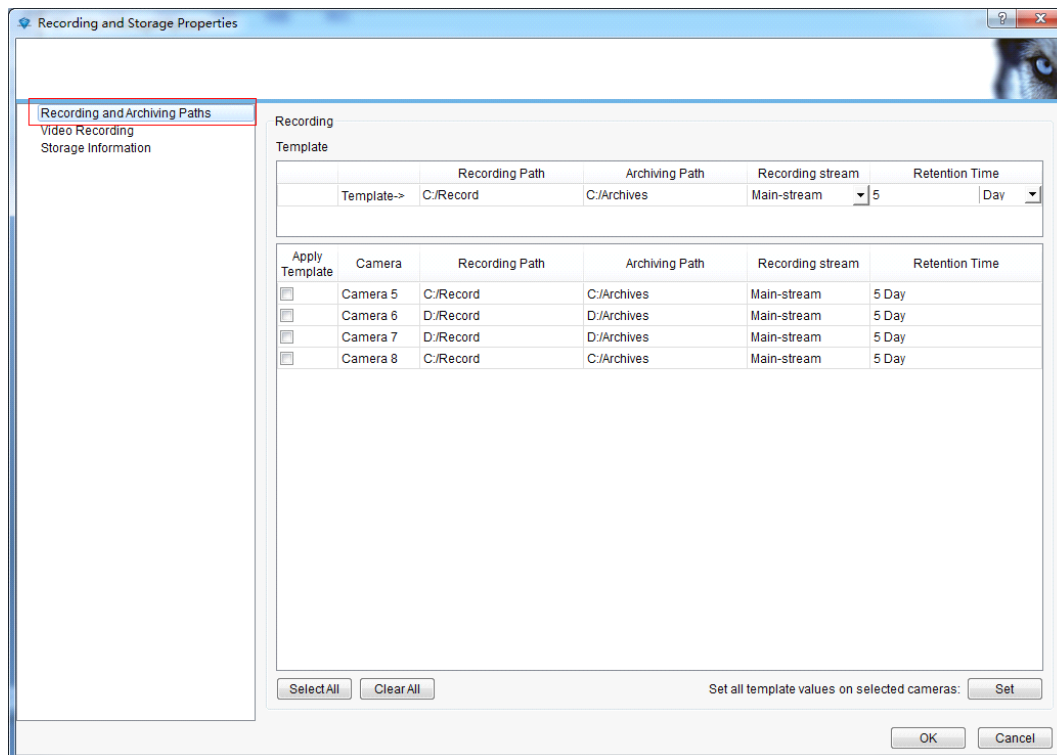
Storage Usage Summary:

Drive	Path	Drive Size	Other Data	Free Space
C:/	C:/	40 GB	40 GB	0 GB
D:/	D:/	142 GB	68 GB	74 GB
E:/	E:/	142 GB	69 GB	73 GB
F:/	F:/	141 GB	57 GB	84 GB

Legend: Free space Other space

Archiving Times: 14:22:38

2.1.3.1 Configure the storage path, stream type, retention time



The 'Recording and Storage Properties' dialog box is shown with the 'Recording' tab selected. The left sidebar has 'Recording and Archiving Paths' highlighted. The main area contains a 'Template' table and an 'Apply Template' table.

Template

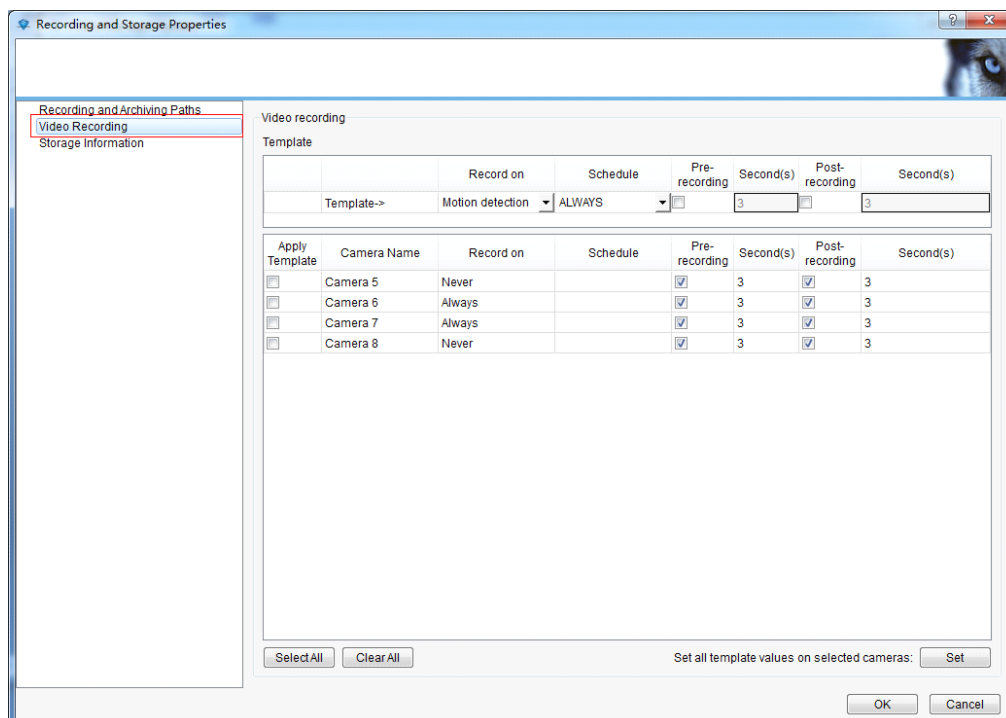
	Recording Path	Archiving Path	Recording stream	Retention Time
Template->	C:/Record	C:/Archives	Main-stream	5 Day

Apply Template

Apply Template	Camera	Recording Path	Archiving Path	Recording stream	Retention Time
<input type="checkbox"/>	Camera 5	C:/Record	C:/Archives	Main-stream	5 Day
<input type="checkbox"/>	Camera 6	D:/Record	D:/Archives	Main-stream	5 Day
<input type="checkbox"/>	Camera 7	D:/Record	D:/Archives	Main-stream	5 Day
<input type="checkbox"/>	Camera 8	C:/Record	C:/Archives	Main-stream	5 Day

Buttons: Select All, Clear All, Set all template values on selected cameras: Set, OK, Cancel

2.1.3.2 Configure the recording type, schedule



The 'Recording and Storage Properties' dialog box is shown with the 'Video recording' tab selected. The left sidebar has 'Video Recording' highlighted. The main area contains a 'Template' table and an 'Apply Template' table.

Template

	Record on	Schedule	Pre-recording	Second(s)	Post-recording	Second(s)
Template->	Motion detection	ALWAYS	<input type="checkbox"/>	3	<input type="checkbox"/>	3

Apply Template

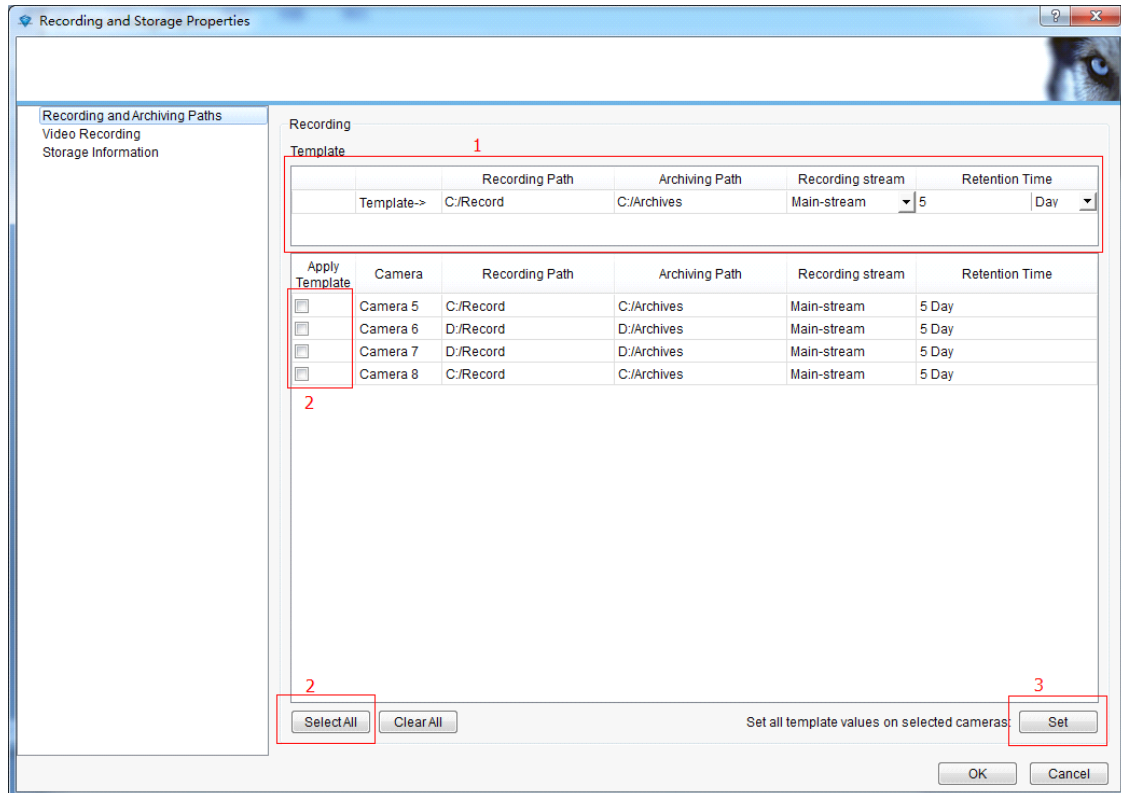
Apply Template	Camera Name	Record on	Schedule	Pre-recording	Second(s)	Post-recording	Second(s)
<input type="checkbox"/>	Camera 5	Never		<input checked="" type="checkbox"/>	3	<input checked="" type="checkbox"/>	3
<input type="checkbox"/>	Camera 6	Always		<input checked="" type="checkbox"/>	3	<input checked="" type="checkbox"/>	3
<input type="checkbox"/>	Camera 7	Always		<input checked="" type="checkbox"/>	3	<input checked="" type="checkbox"/>	3
<input type="checkbox"/>	Camera 8	Never		<input checked="" type="checkbox"/>	3	<input checked="" type="checkbox"/>	3

Buttons: Select All, Clear All, Set all template values on selected cameras: Set, OK, Cancel

2.1.3.3 Template configuration

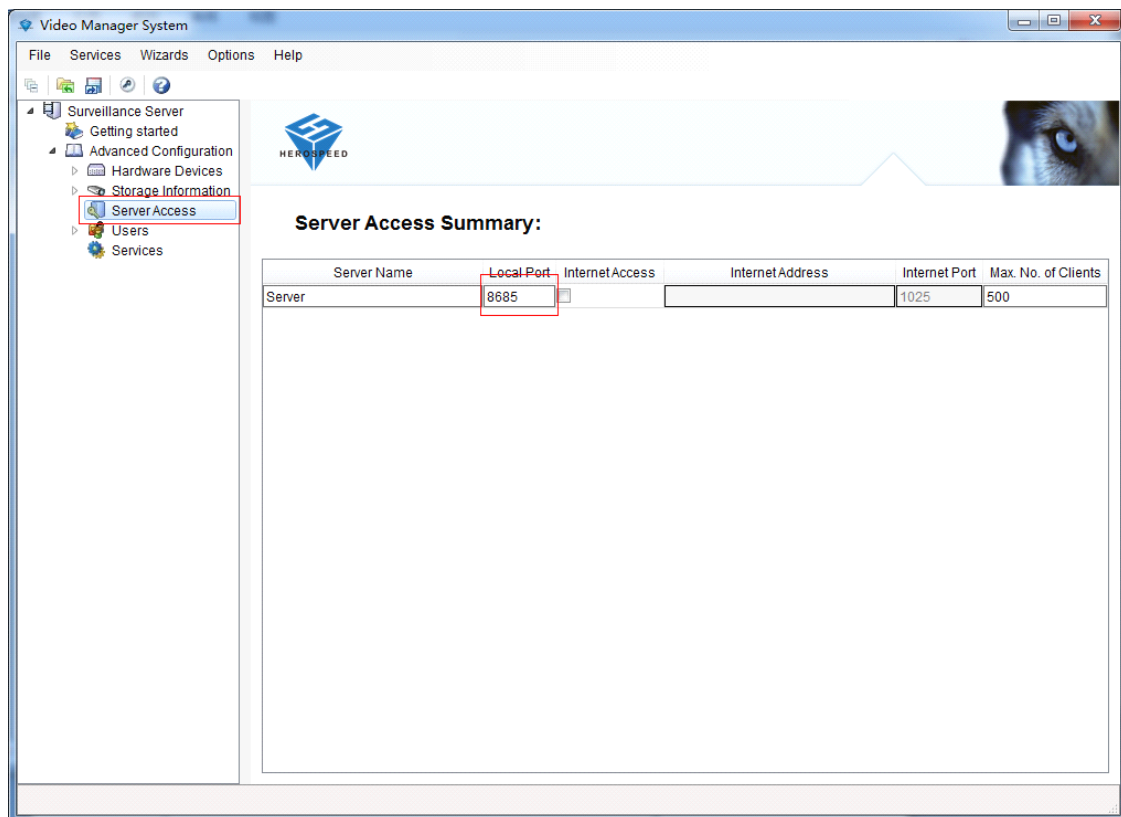
As shown below:

- 1 > edit the template
- 2 > select the template camera to apply
- 3 > Settings applied to the camera



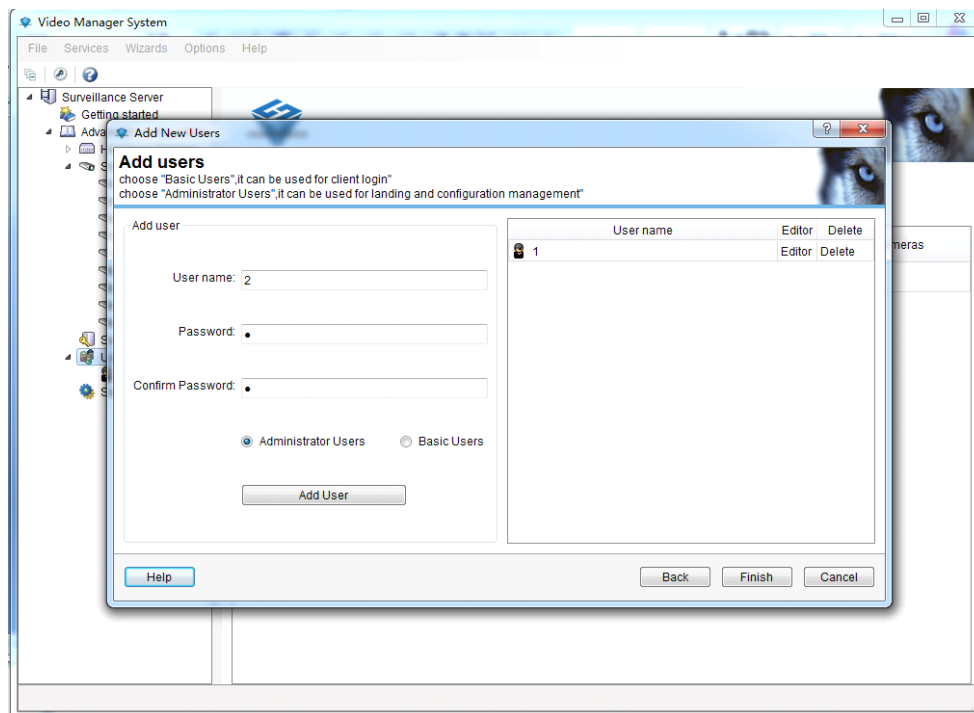
2.1.4 Server access

Set the local port number used for VMS Smart Client logging port number



2.1.5.1Edit user information

Users List management, open user list window



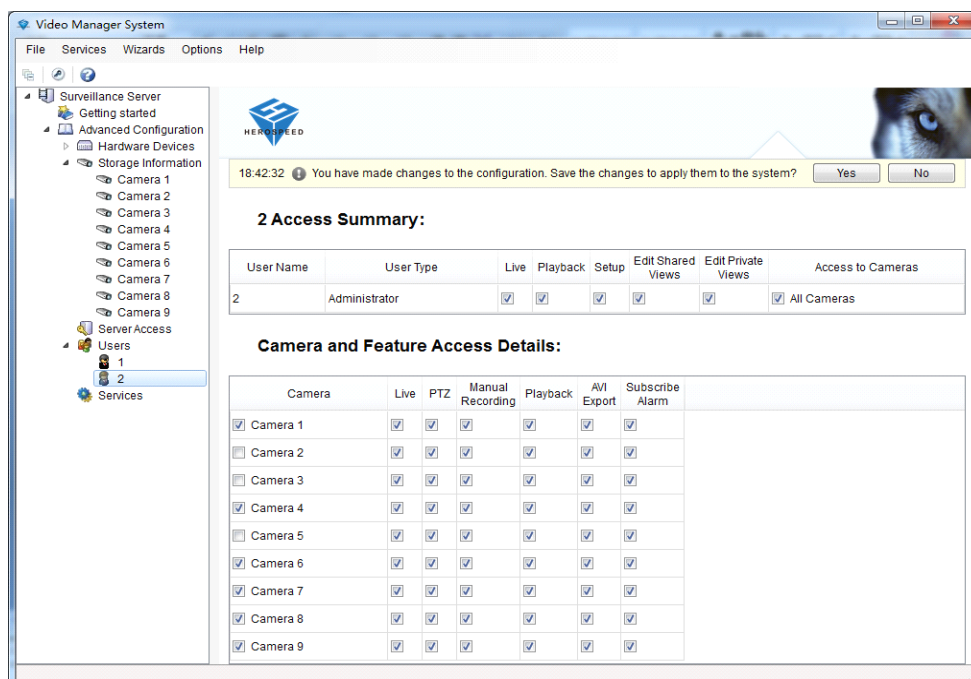
You can add new users, modify users and delete users in this window .

There are two types of users for option for new users:

1. Administrator user (can log in both VMS Management and VMS SmartClient)
2. Basic users (can only log in VMS SmartClient)

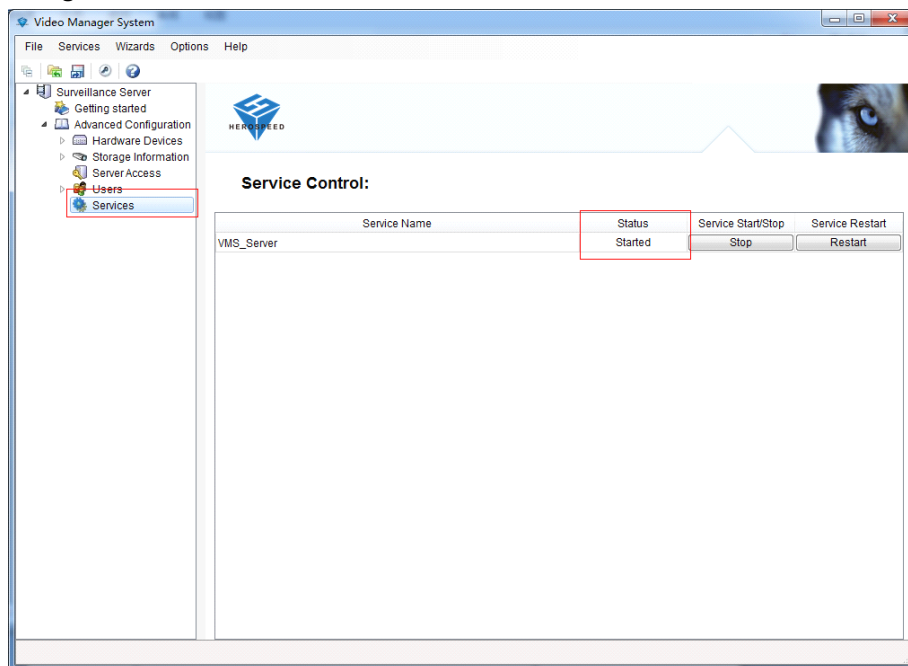
2.1.5.2 Edit user permissions

You can restrict the permission and equipment channel of VMS Smartclient for the specified user.



2.1.6 Service

Background VMS server control.



The usage status of VMS server can be controlled.

Only when the status is started, the VMS server can record and store recordings in the background, and VMS Samrtclient can work normally.

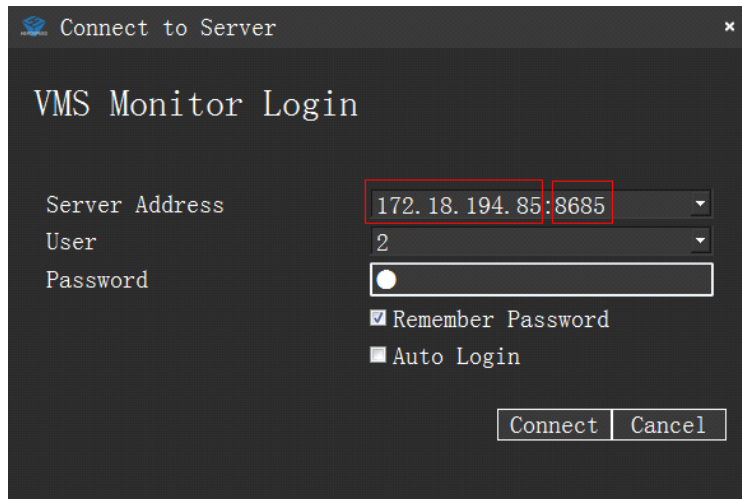
2.2 Client Operation Manual

After the completion of VMS management configuration, the VMS SmartCient can preview and playback video.

VMS Smart Client and VMS managent can be installed either in one PC or separately in different ones.

2.2.1 Login

Input the IP and port of the PC where VMS management is installed(If VMS management and VMS smart client are installed in one PC, IP is 127.0.0.1, port is 80 by default., when server access port on VMS management is changed, the port needs to be consistent)



Connect to Server

VMS Monitor Login

Server Address: 172.18.194.85:8685

User: 2

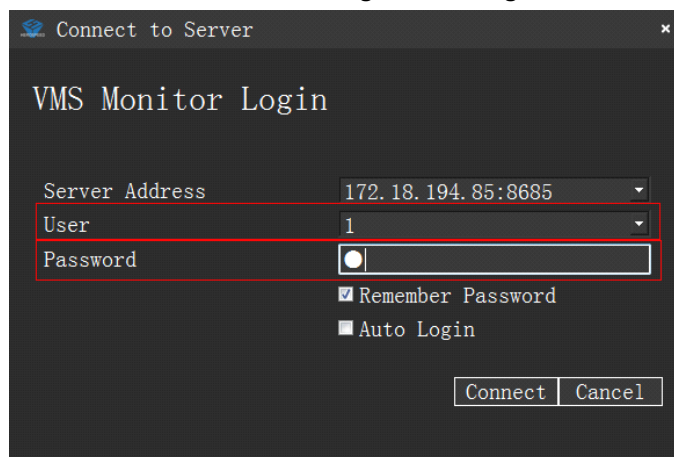
Password:

☒ Remember Password

☐ Auto Login

Connect Cancel

Use the user account created on VMS management to log in and authenticate



Connect to Server

VMS Monitor Login

Server Address: 172.18.194.85:8685

User: 1

Password:

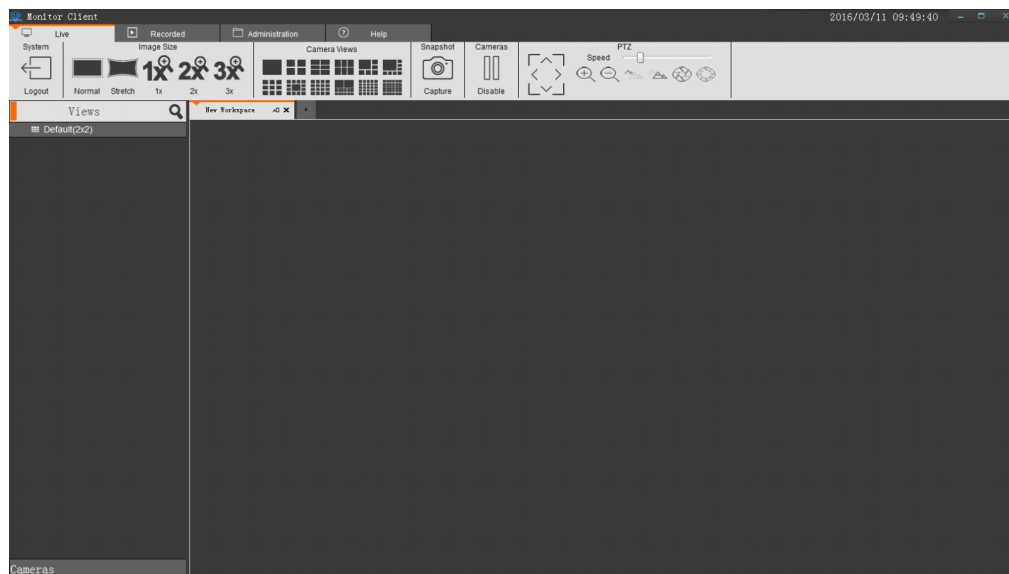
☒ Remember Password

☐ Auto Login

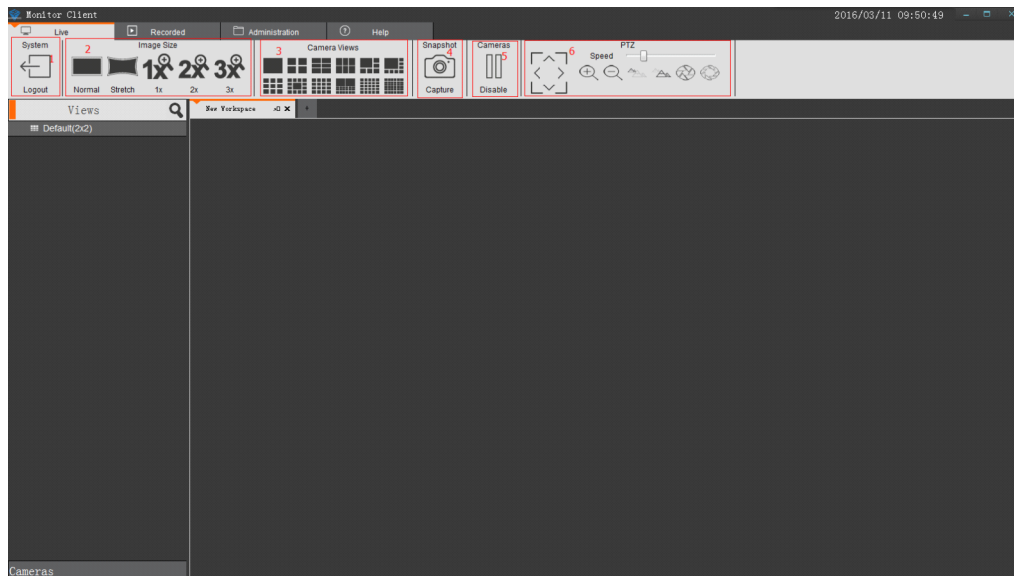
Connect Cancel

2.2.2 Live Preview

Live preview interface



2.2.2.1 Live preview function



- 1) Logout: Exit the current user, and return to the login interface
- 2) Image size
 - a. Normal: Image is displayed in actual proportion.
 - b. Stretch: Image is displayed in window size
 - c. 1*: Image is not scaled
 - d. 2*: Image is magnified 2 times
 - e. 3*: Image is magnified 3 times
- 3) Camera View: Select the layout type of the view window.
- 4) Snapshot: Capture the images of the current window
- 5) Close the current camera video
- 6) PTZ control(Only valid for the devices that support PTZ control)

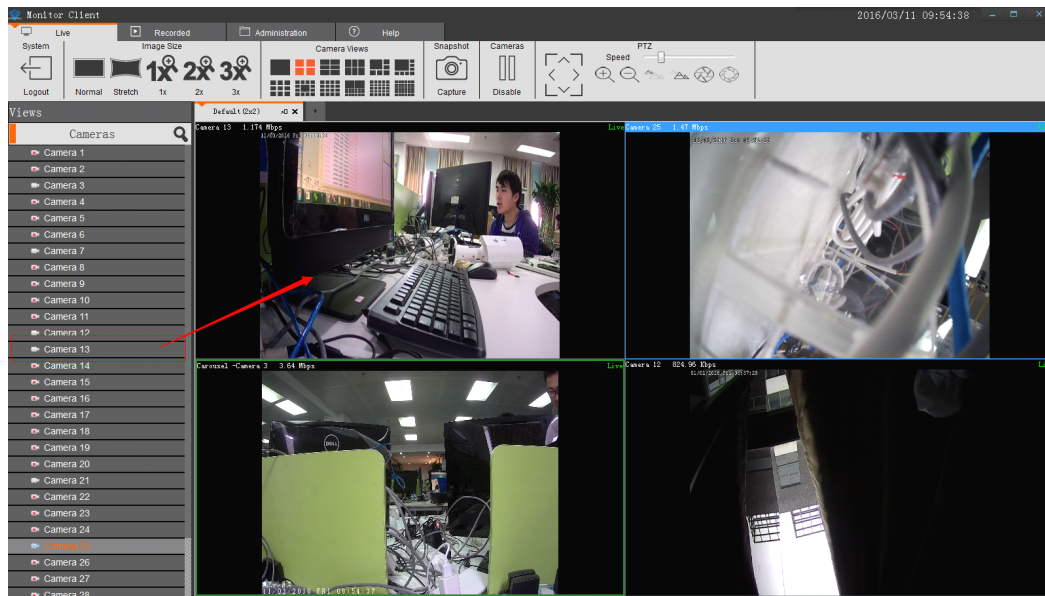
2.2.2.2 View Switches To Video

Use the view layout that the user selects to fast switch to view preview



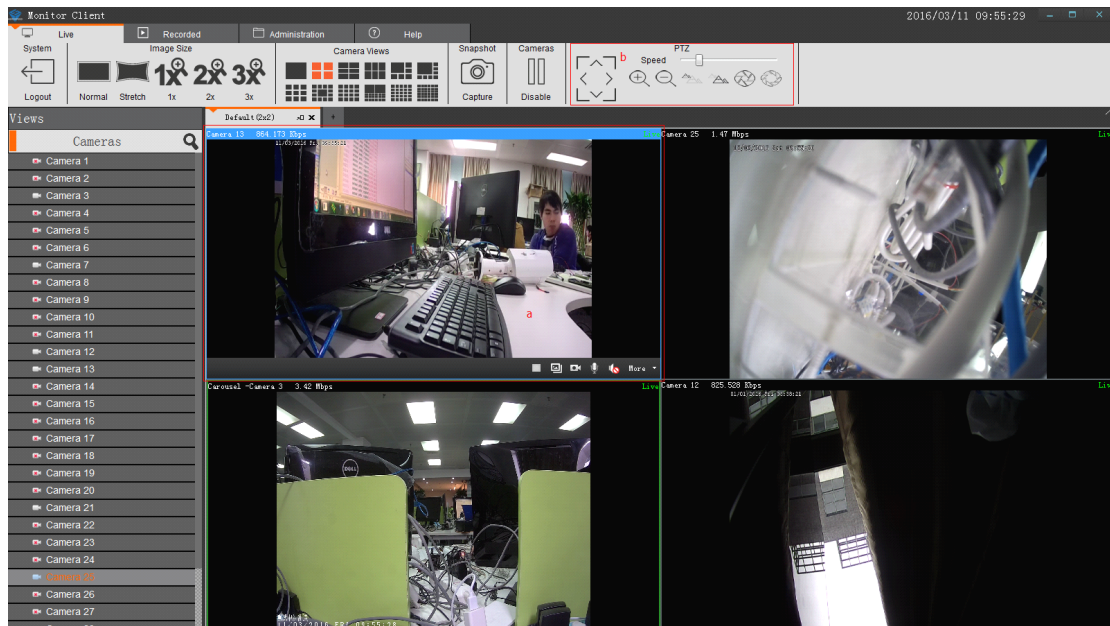
2.2.2.3 Select the Camera to Preview Video

Select the camera to the designated window to preview video.



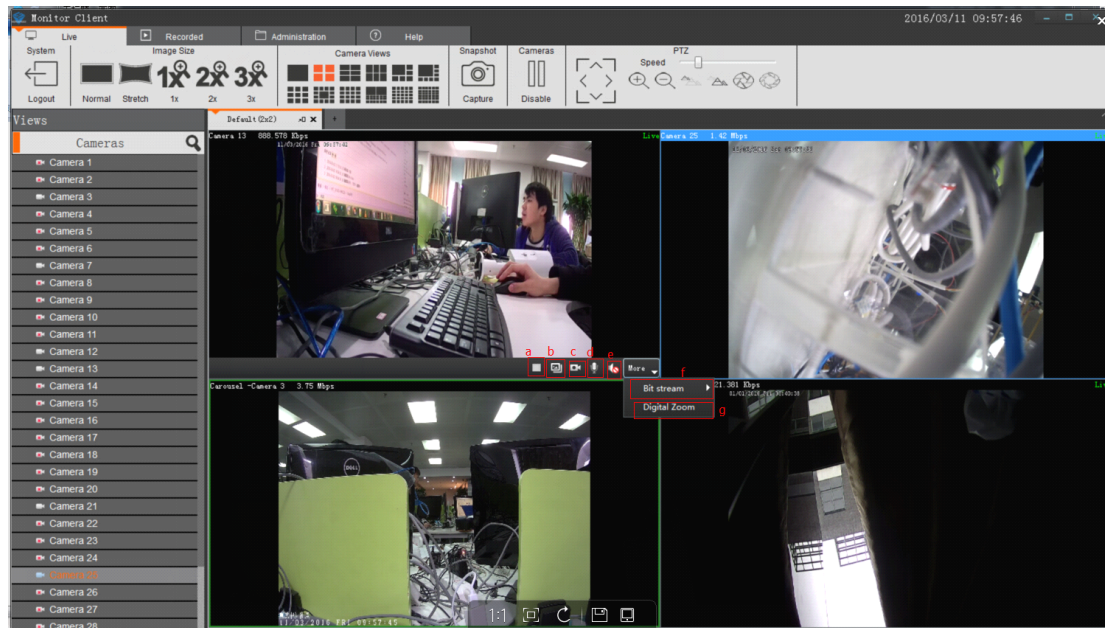
2. 2. 2. 4 PTZ Control

- Select PTZ Control Window.
- Do PTZ control for selected Window on PTZ console.



2. 2. 2. 5 Video Window Toolbar Function Description

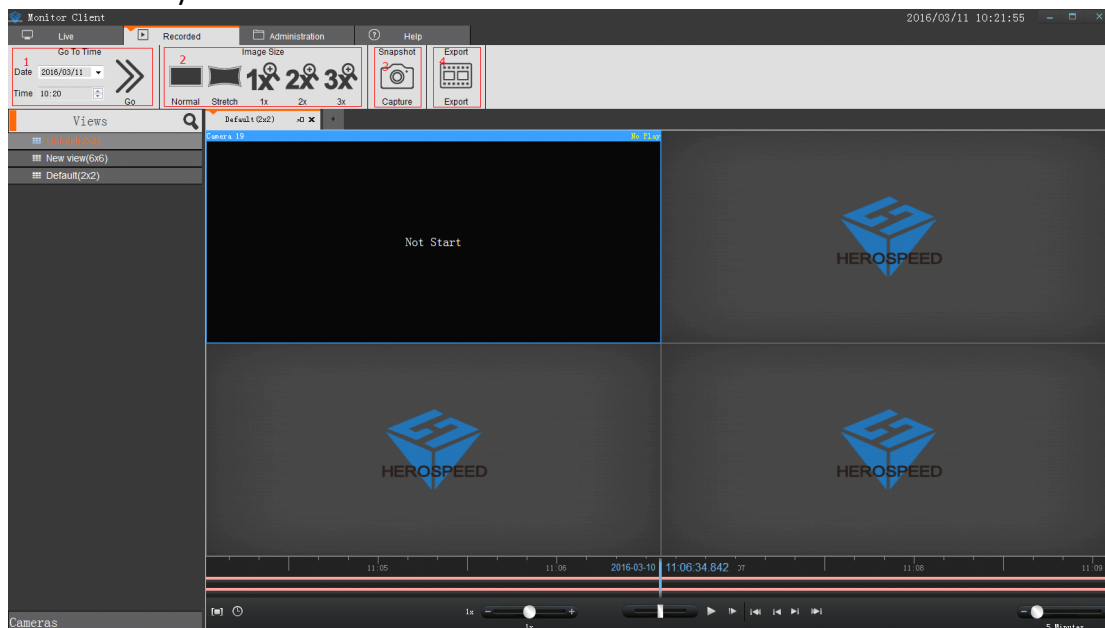
- Current Window Video Stop and Start
- Capture Images
- Local Recording
- Voice Intercom
- Volume
- Stream Switching
- Digital Zoom



2. 2. 3 Playback

Playback can be operated under the VMS Server with configuration only.

2. 2. 3. 1 Playback Interface Function Introduction



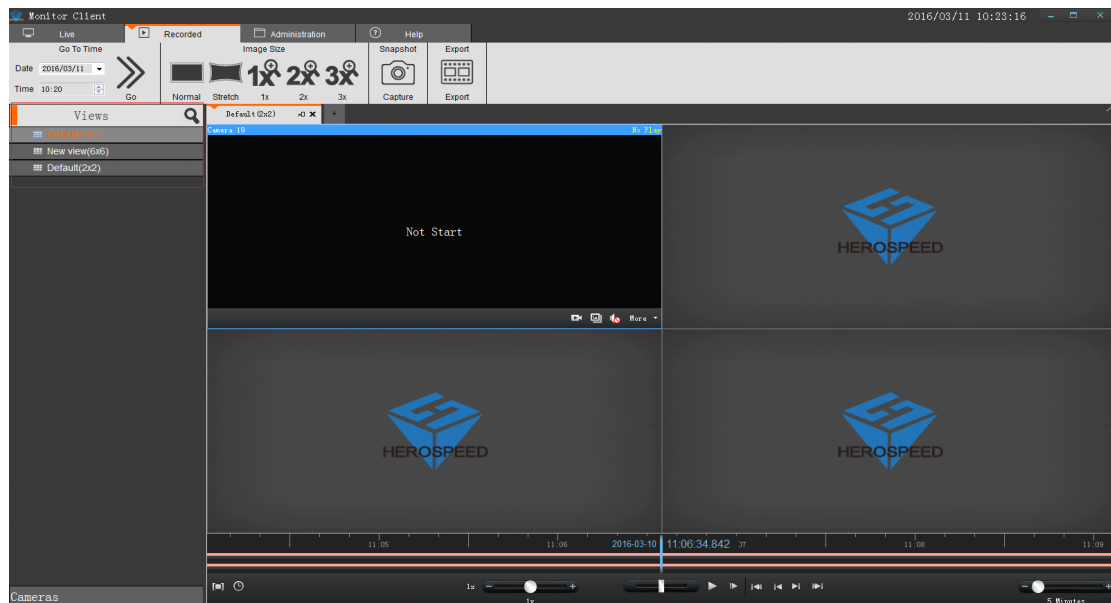
1>Recording Location: according to the selected time & position to locate to the specified place quickly.

2>Image Size:

- a. Regular: image be displayed as actual proportion.
- b. Stretch: image be displayed as the window size.
- c. 1 times: image be not scaled.
- d. 2 times: image be magnified 2 times.
- e. 3 times: image be magnified 3 times.

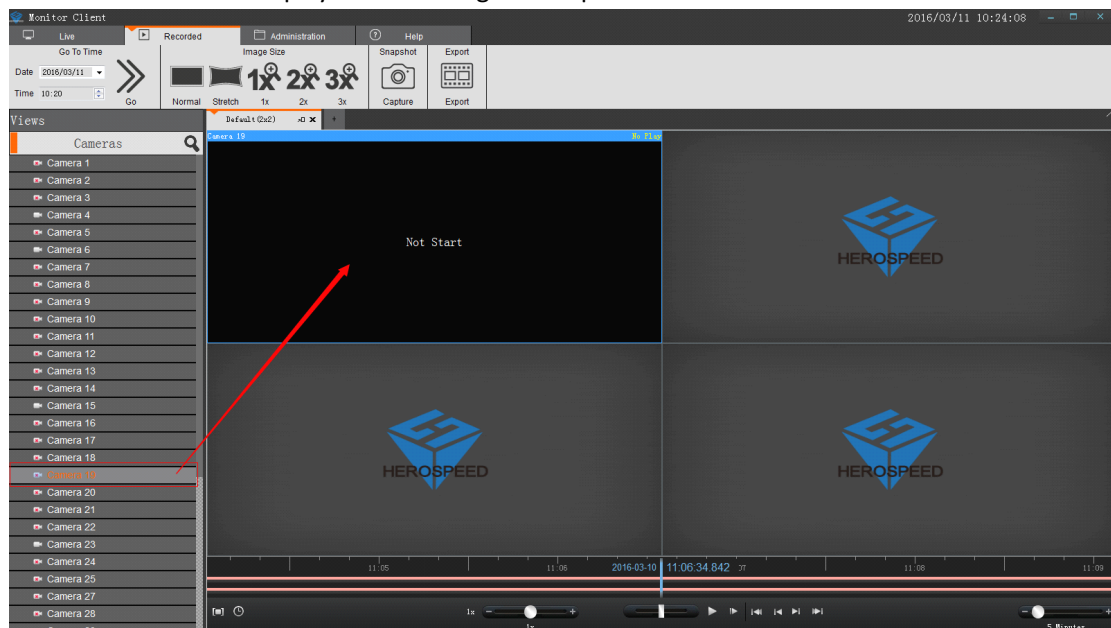
2. 2. 3. 2 Switching View to Playback Recording

Using user edited view to switch recording Playback fast.



2. 2. 3. 3 Select Camera recording Playback

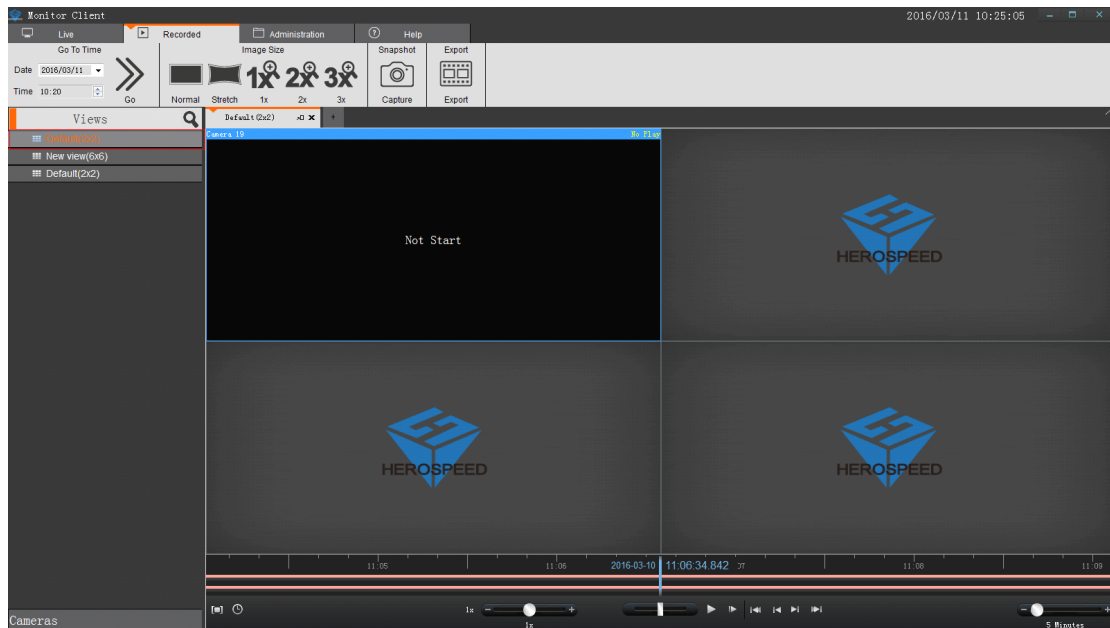
Select the camera to be playback and drag to the specified window.



2. 2. 3. 4 Search Recording

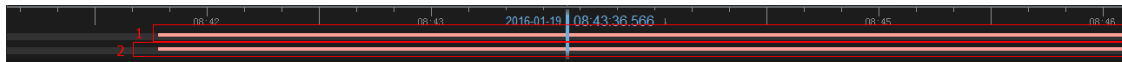
2.2.3.4.1 Auto Search Recording

Enter or under playback interface to switch view, it will search the recording time of all windows view automatically, and display them on time Axis.



Time Axis Type:

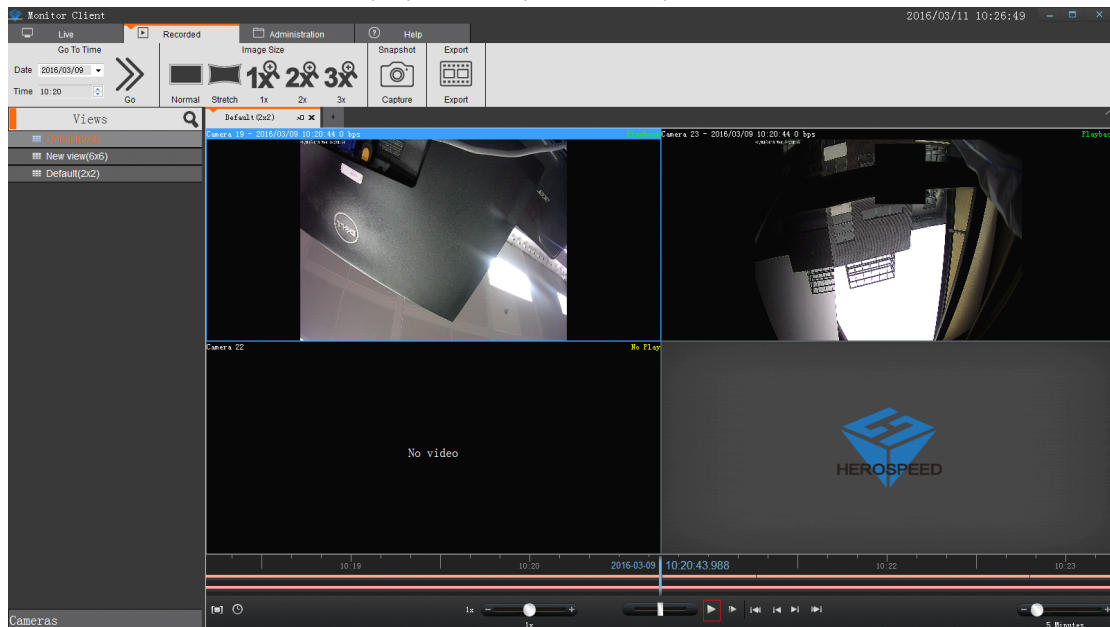
- 1> The top Time Axis shows the recording time-line of current selected window.
- 2> The bottom Time Axis shows the set of all cameras' recording time-lines in current view.



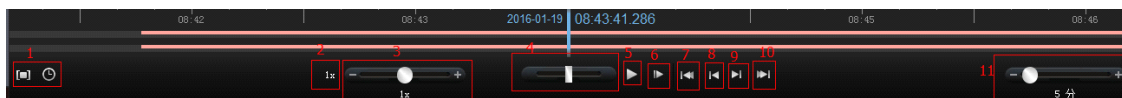
2.2.3.5 Playback recording

2.2.3.5.1 Play back recording synchronously

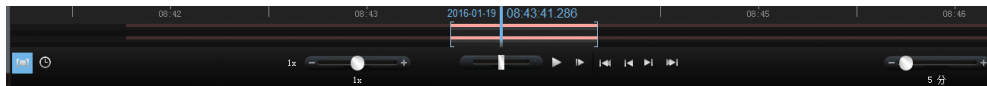
Click out Play button to start playback, this play mode is to play view synchronously, that's to say, the video in all windows will be played back synchronously.



Synchronously playback tools function introduction:



1> Playback region: choose playback range, then loop play back in this range.



2> 1 multiply playback: rapidly switch to 1 multiply playback.

3> Playback multiply adjustment.

4> Rapidly retrieve video.

5> Start/ suspend playback.

6> Single frame playback.

7> The first video segment in current window.

8> The previous video segment in current window.

9> The next video segment in current window.

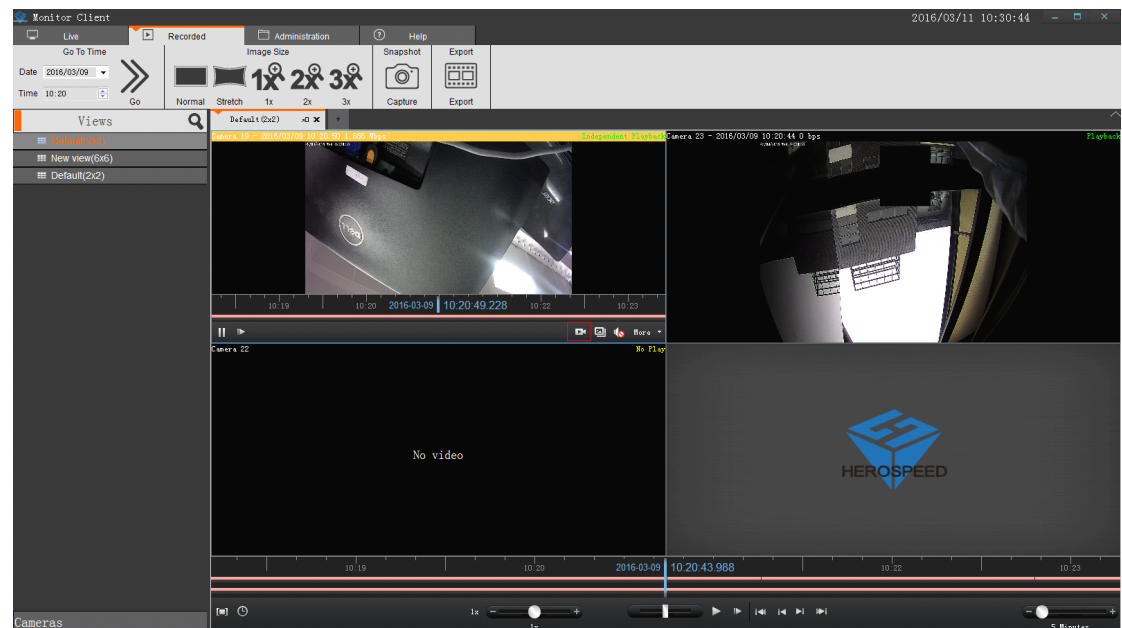
10> The last video segment in current window.

11> View range of time axis.

2.2.3.5.2 Play back recording independently

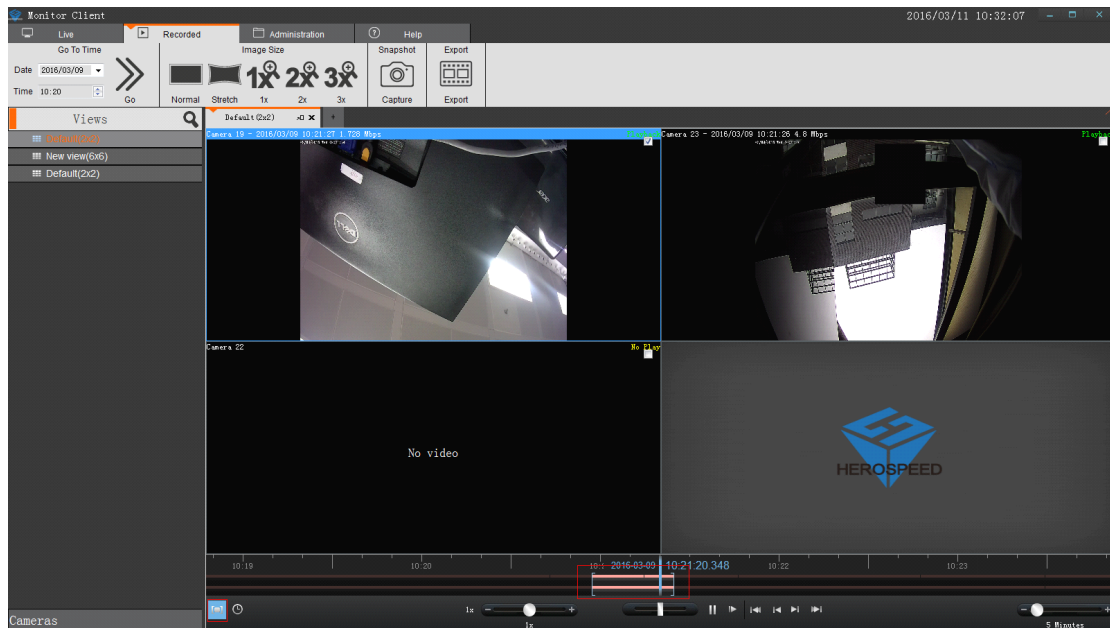
If only play back the video in a certain window, this function can be used at this time. It will not be controlled by synchronously playback tools. There is easy control bar in the window.

To play back window independently, please click out the playback independently button in window tools.



2.2.3.5.3 Loop playback

The video can be loop playback continuously in a designated period of time.

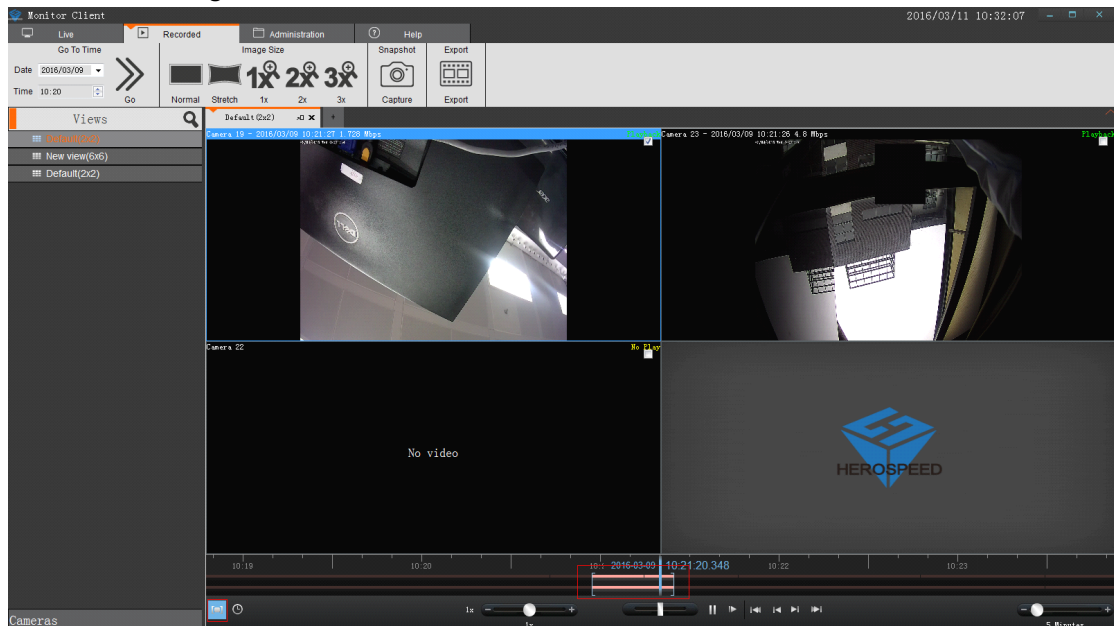


2.2.3.6 Export Recording

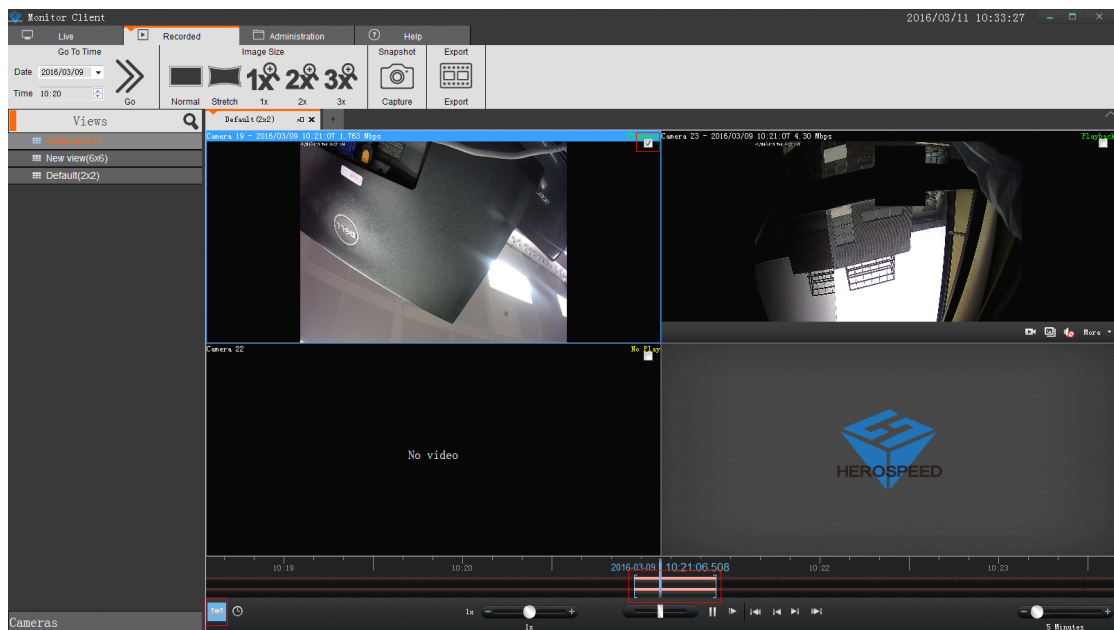
The video in service side can be exported at client side according to request. It can export a video from a certain window, also the videos from all windows.

Export recording instruction:

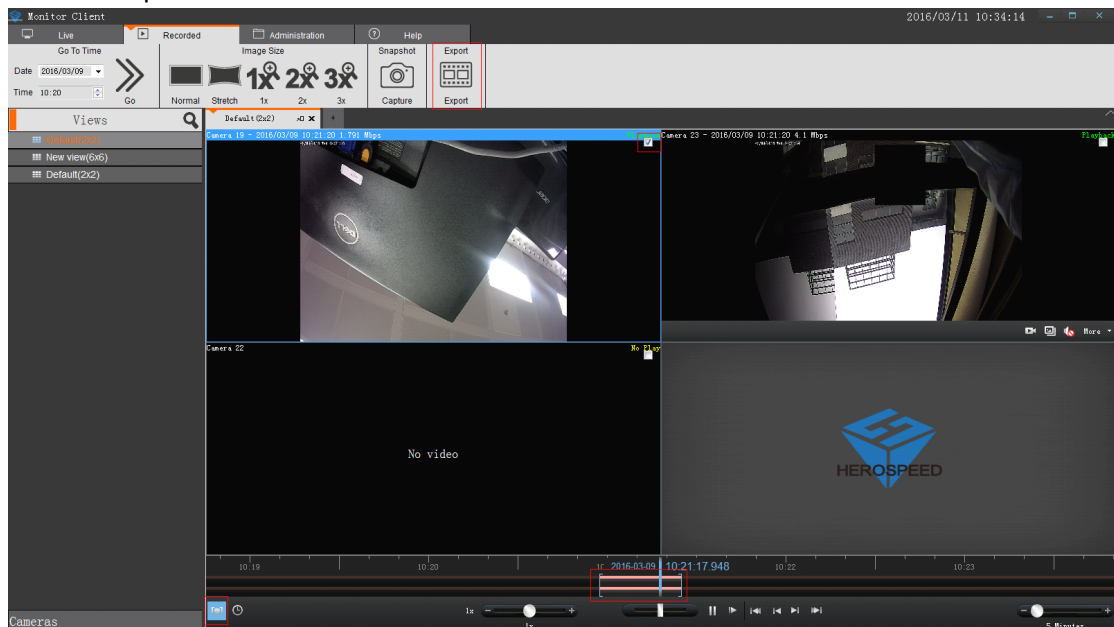
- 1> To select time range.



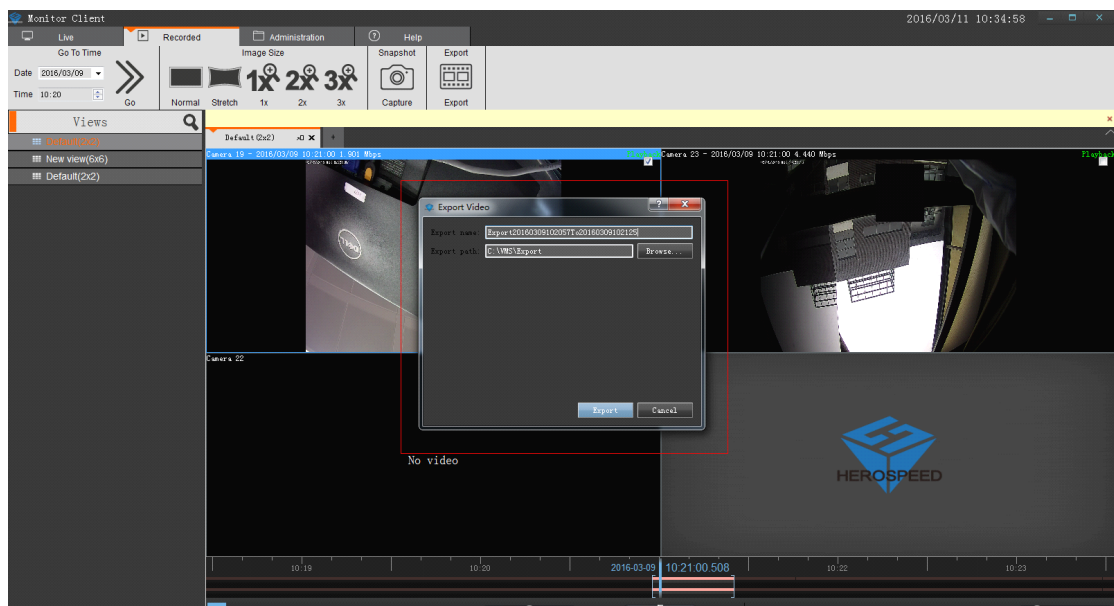
- 1> Select to export video window.



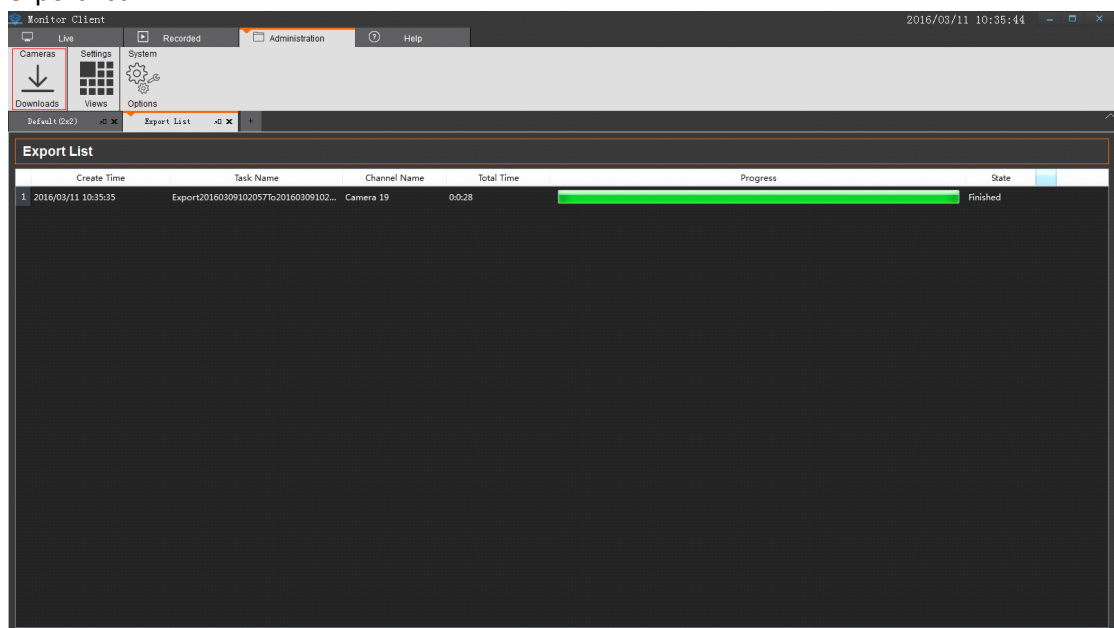
2> Click the Export button.



2> Select the name and location of the exported



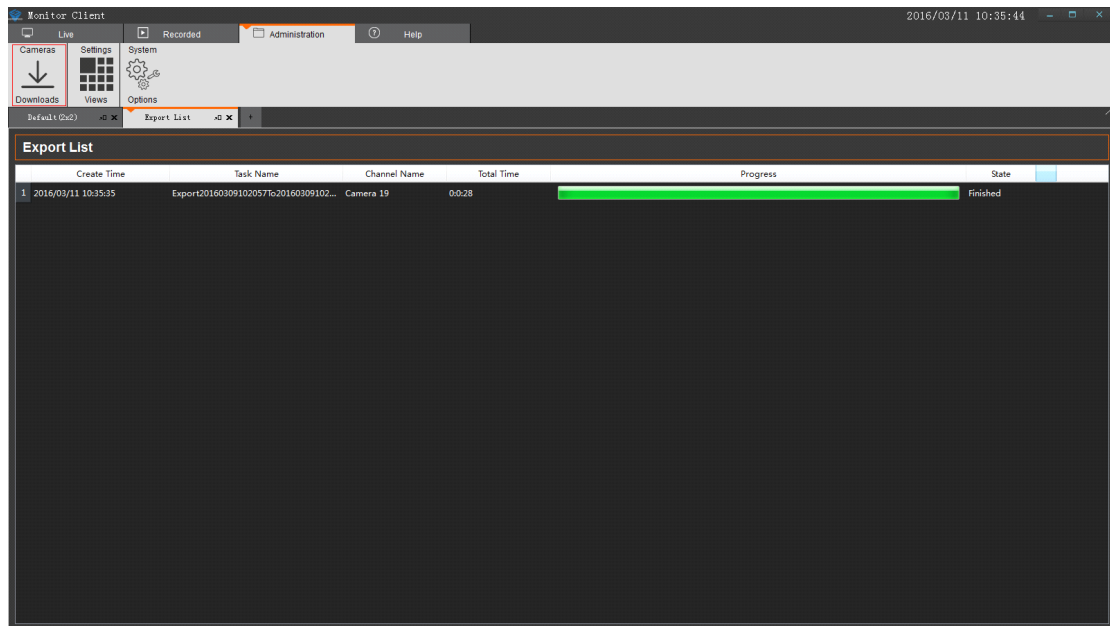
3> After the export is completed, in management functions you can view details in the export list



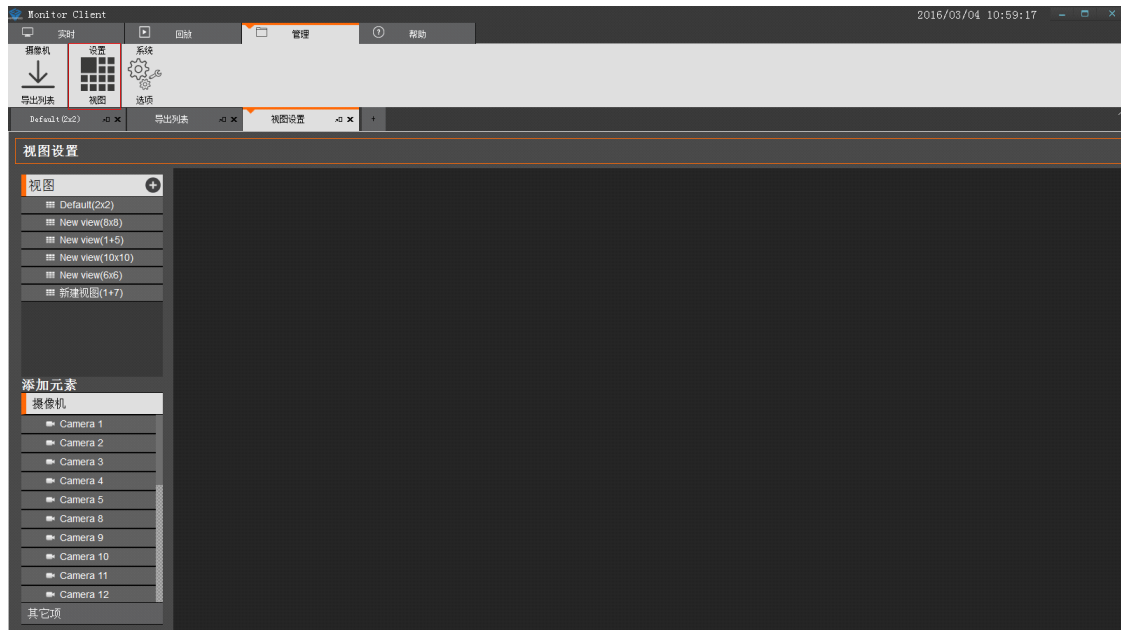
2.2.4 Management Function

2.2.4.1 Export List

See video of the export list information



2.2.4.2 View Setting

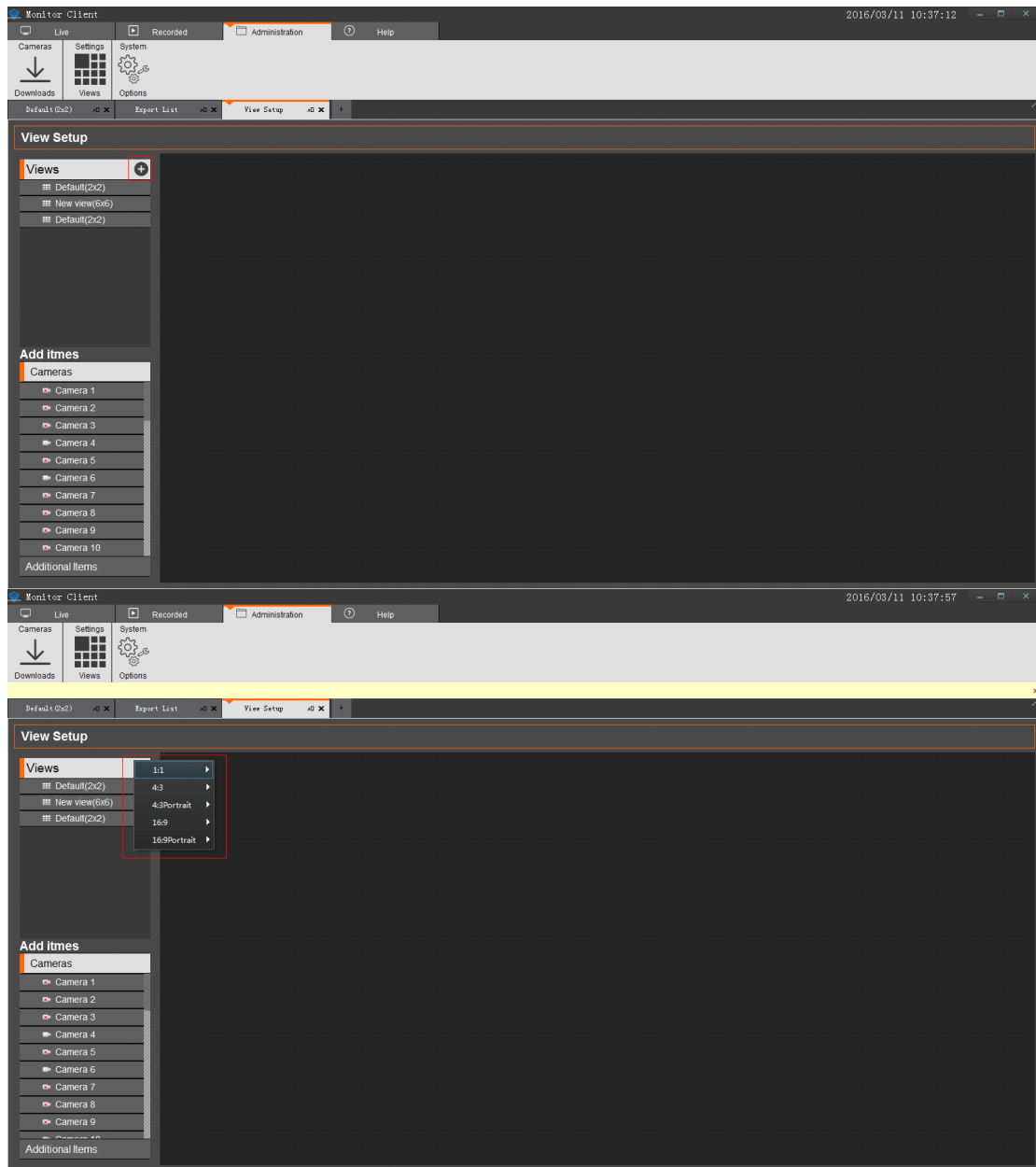


The role of the view that the user can edit the layout and view of the contents in advance, quickly switch the video area. And that will be saved to the VMS platform for later use.

2.2.4.2.1 View Edition

2.2.4.2.1.1 Add View

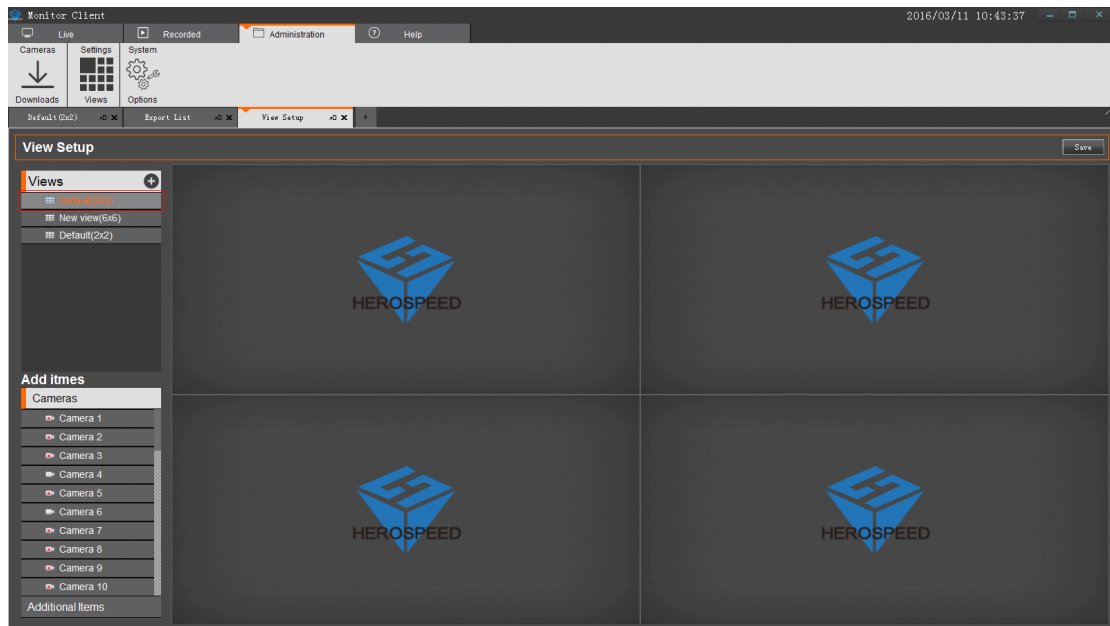
Click “Add” Button to choose a type of view layout



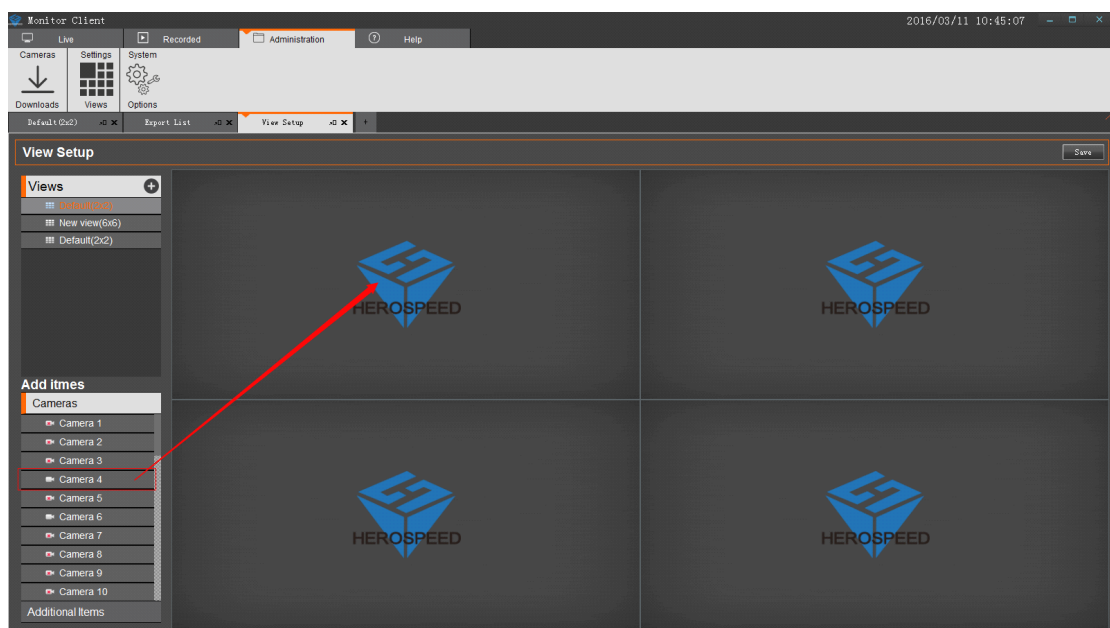
2.2.4.2.1.2 View Edition

4 types of view content, 1.camera 2.photo 3.HTML website 4. Video carousel

Select the view for editing

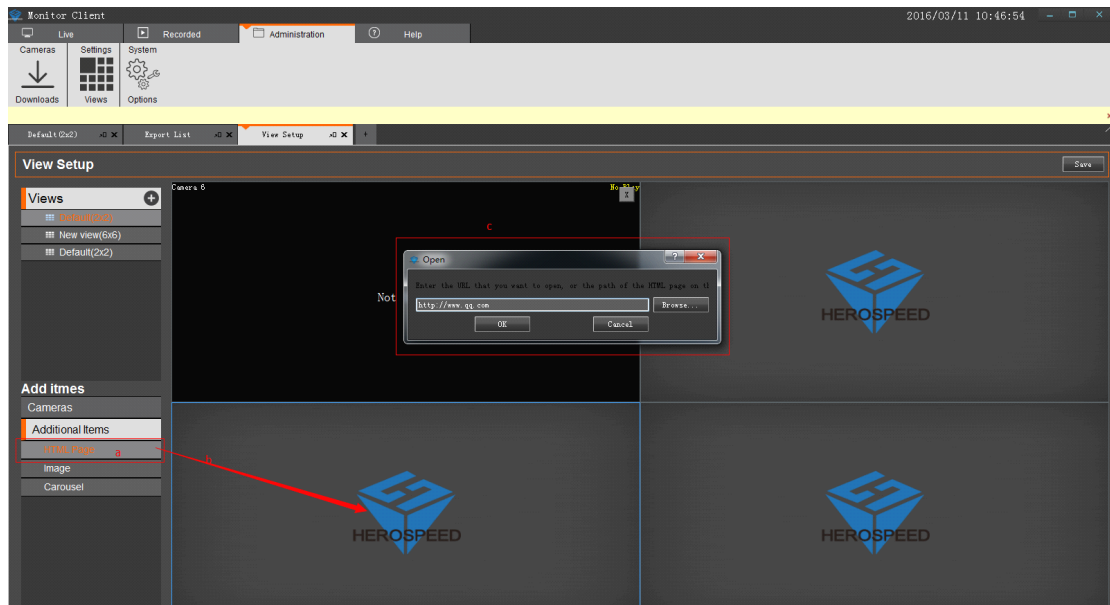


1>In the “View Setup”, add items, select the camera, drag to the targeted window and complete video addition.



2>Set the view window to add a web page

- a.Select “HTML Page”,
- b.Drag to the specified window
- c.input web adress

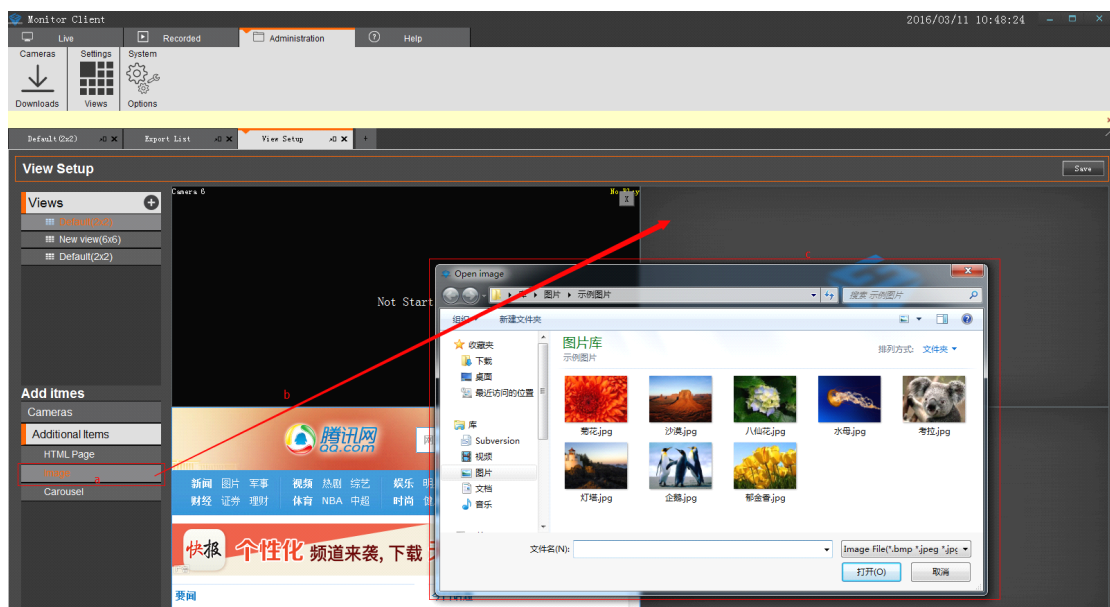


3> set the view window to add pictures

a.click"Image".

b.Drag to the specified window

c.Select pictures.



4>Set the view window to add video tour

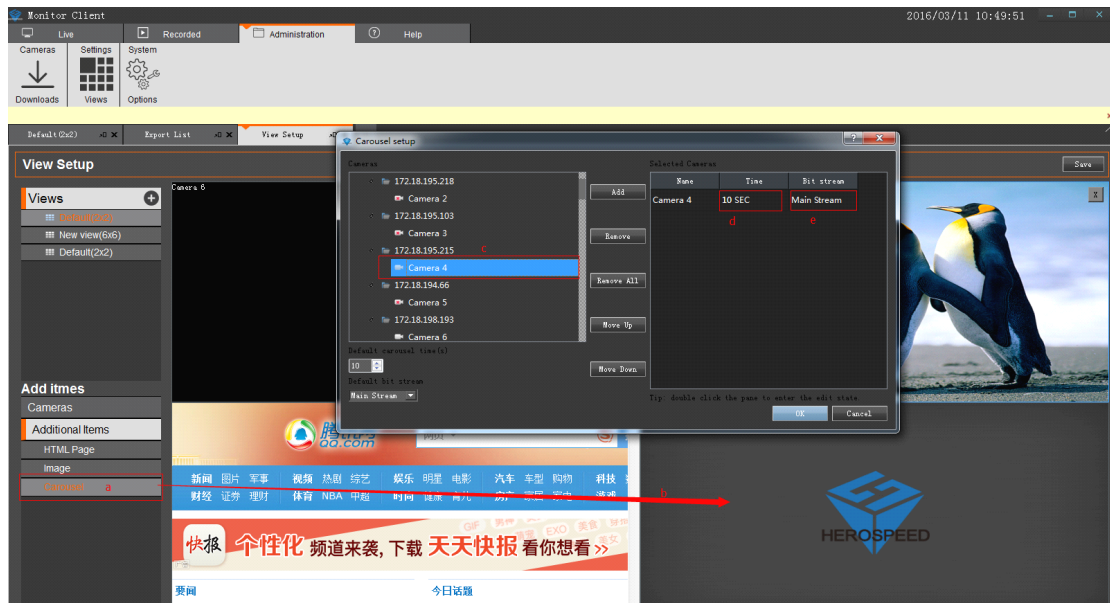
a.Select "Carousel"

b.Drag to the specified window

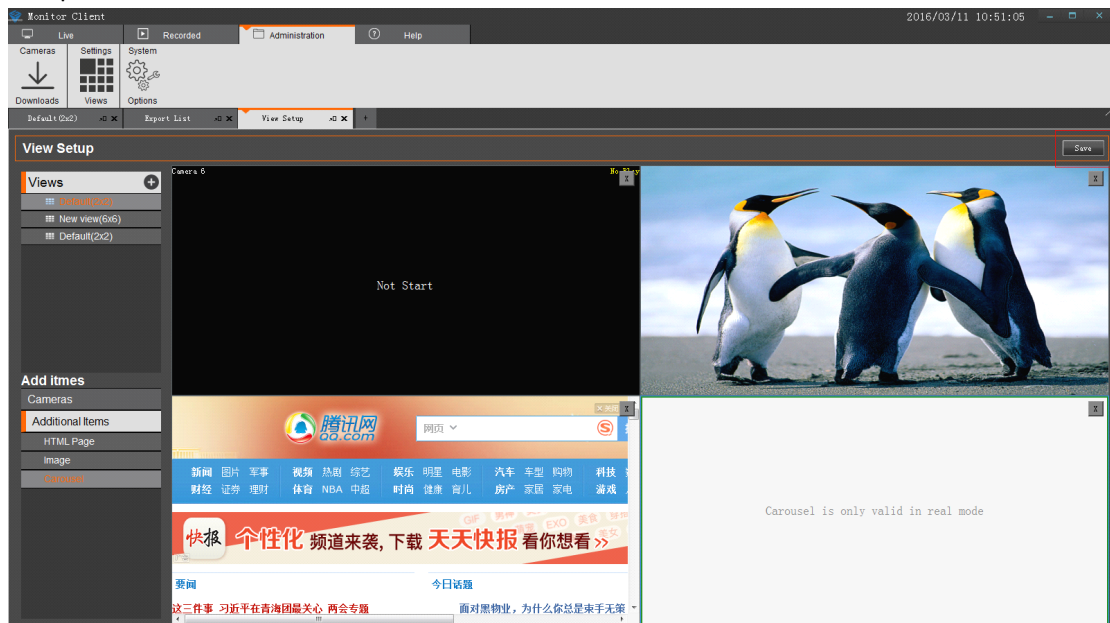
c.Select channel of equipment to be round tour

d.Video round tour time

e.the video stream type

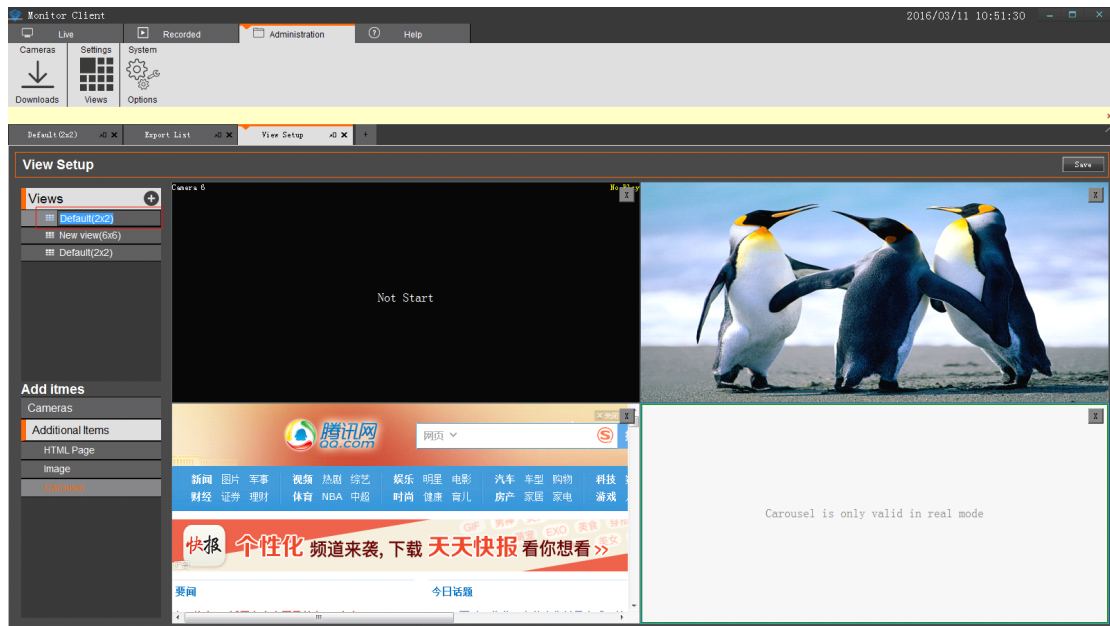


Complete the view editor, click "save" button to save the view to the server.



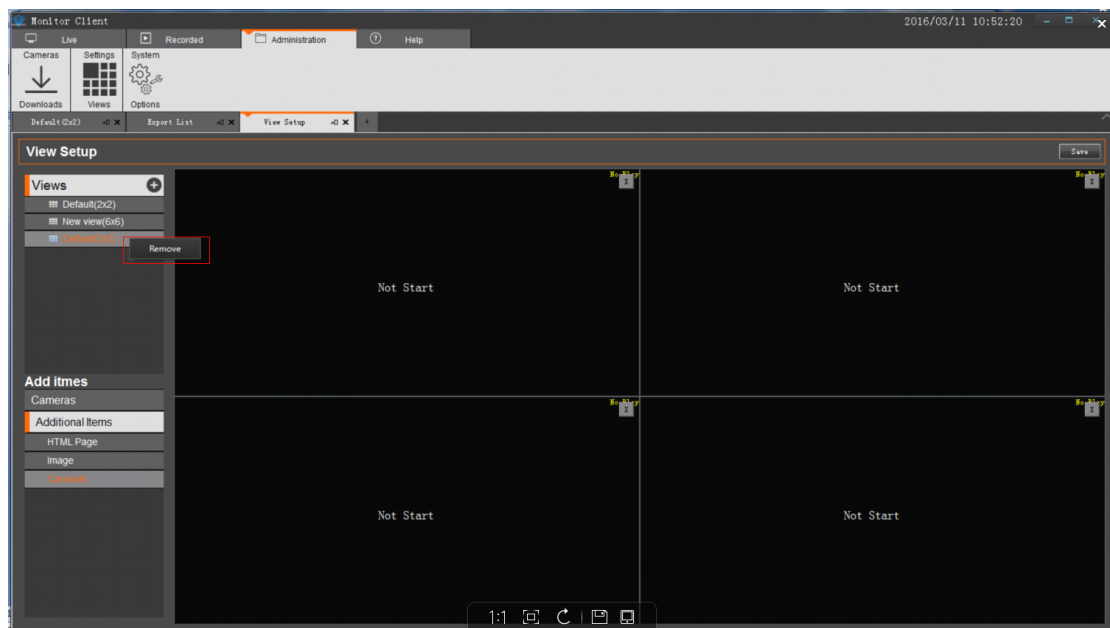
2.2.4.2.1.3 Modify the view name

Double-click to modify edit view into the state, to modify the view name and then click the "save" button

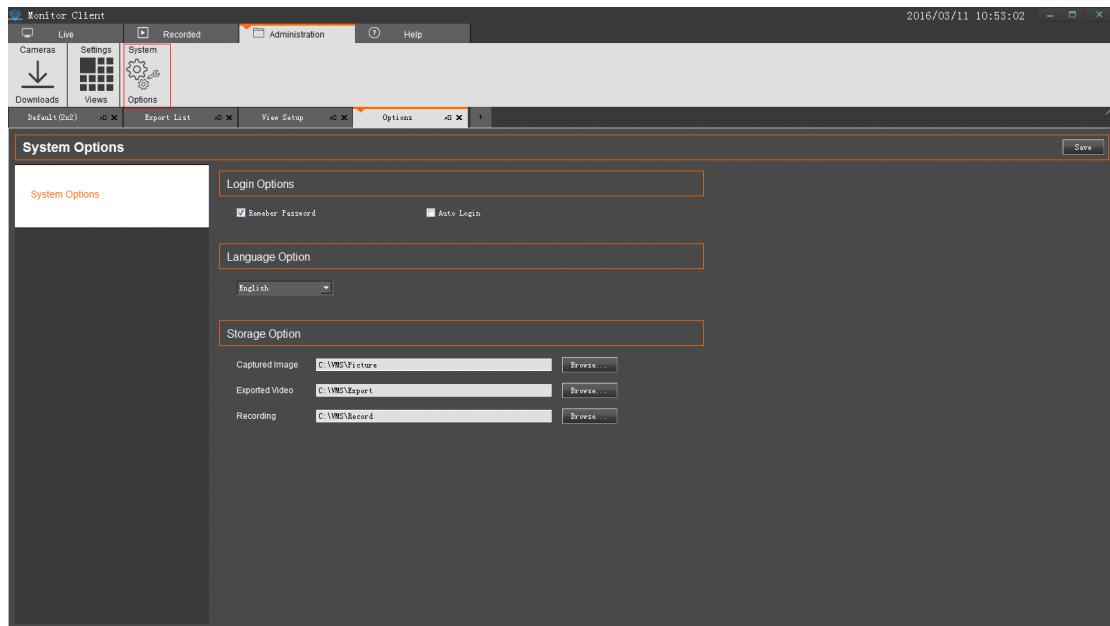


2.2.4.2.1.4 Delete View

Select view right-click pop-up menu select delete the view



2.2.4.3 System parameter options



1> General Options

login options: a. remember the password, b. auto login

Language option: choose the different language.

storage options: a. client local video path, b. capture path, c. video export path.

2.2.5 EXIT

