iVMS320 Platform

User Manual

Version: 9.2.15.4

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Chapter 1 Overview

1.1. Description

iVMS320 (Video Manage System 320, the same below) is a video management software specially designed for BitVison devices based on VMSLite. In iVMS320, users can connect the device from our server via its serial number and manage the devices on the LAN via IP address.

The main functions of iVMS320 are Live, Local playback, Remote playback, and E-map. Other functions include Device management, User management, Storage, Export List, Alarm Management, View Setup and Settings.

Live is real-time preview of the camera. You can manually take screenshots and record videos while on preview screen, switch the stream and electronically zoom in. If device supports 2-way audio, you can turn on the speaker and microphone for remote intercom. For fisheye device, you can also switch to the Fisheye Mode.

Local Playback is for viewing the video record from the device in local computer. To save the local record, you need to set it in Storage. As long as there's video record and corresponding information in the database, you can make screenshots, use electronic zoom and export video streams to other formats supported while using playback feature, regardless if the device is online or offline.

Remote Playback is for viewing the video record from the device memory. This

function is similar to Local Playback, but the device must be online for Remote Playblack. You can also make screenshots, use electronic zoom and export video streams to other supported formats while using Remote Playback.

E-Map is used to customize the map. Drag the device to the corresponding spot and save it. After saving, you can get real-time preview by double-clicking the device.

1.2. Installation

The setup file of iVMS320 is a packaged dmg disk image file. Double-clicking this image file will generate a file shortcut on the desktop. Double-clicking this file shortcut can view the contents of the file in the folder. The file mainly includes setup scripts and uninstall scripts and other icons file.

To install iVMS320, please double-click iVMS320 for Mac Setup.pk. After the installer dialog box pops up, generally, you only need to click "Continue" or "Install" to complete the

installation. The specific steps are as follows:

 \odot Obtain the installation file of the latest released version. The installation file

icon and naming scheme are shown in Figure 1-2-1.



Figure 1-2-1

2 Double clicking this image file will generate a file shortcut on the desktop as shown in

Figure 1-2-2.



Figure 1-2-2

③ Double-clicking this file shortcut can view the contents of the file in the folder. The file mainly includes installation scripts and uninstall scripts and other icons file as Figure 1-2-3.

- a. Icon files
- b. Setup scripts
- c. Uninstall Scripts



Figure 1-2-3

④ Double click setup script(marked as b) will pop up the installer dialog, as shown in Figure

1-2-4.

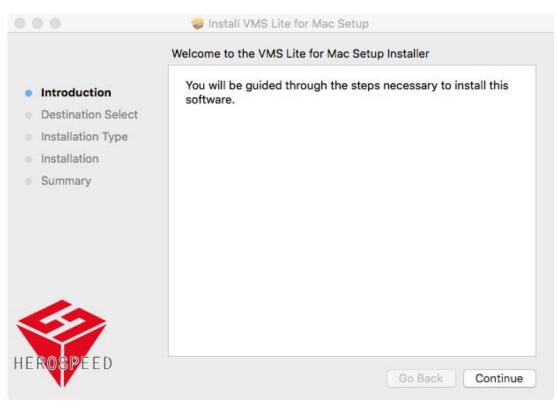


Figure 1-2-4

(5) Click "Continue" to enter the window of destination file and installation type as shown in

Figure 1-2-5.

	🥪 Install VMS Lite for Mac Setup
	Standard Install on "Is"
Introduction	This will take 190.9 MB of space on your computer.
Destination Select	Click Install to perform a standard installation of this software
Installation Type	on the disk "Is".
Installation	
Summary	
	Change Install Location
HEROSPEED	Customize Go Back Install

Figure 1-2-5

@ Click "Close" to complete the installation as shown in Figure 1-2-6.

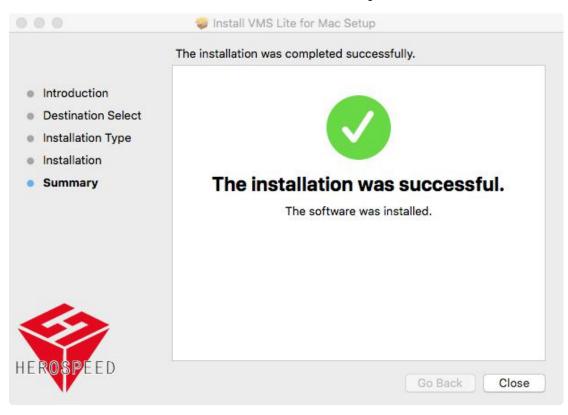


Figure 1-2-6

The above is the installation process of iVMS320 on MAC OS 10.13.6 system. On other versions of the system, there may be slight differences in the style of the pop-up window, which does not affect the use. After the installation is successful, you can find the corresponding icon and file in the application list, click to run.

💡 iVMS320.app

Figure 1-2-7

1.3. Uninstallation

You can uninstall iVMS320 by following these steps.

① Open the file shown in Figure 1-2-2, double-click the uninstall script(marked as c) shown in Figure 1-2-3, the installer window will pop up, and will start to uninstall ivms320.

		🥪 Install iVMS320 for Mac Uninstall
		Welcome to the iVMS320 for Mac Uninstall Installer
•	Introduction Destination Select Installation Type Installation Summary	You will be guided through the steps necessary to install this software.
		Go Back Continue

Figure 1-3-1

@ Click "Continue" to enter the window of destination file and installation type, as shown in

Figure 1-3-2.

	Standard Install on "Is"
 Introduction Destination Select Installation Type Installation Summary 	Click Install to perform a standard installation of this software on the disk "Is".
	Change Install Location

Figure 1-3-2

3 (3) Click "Close" to complete the installation, as shown in Figure 1-3-3.

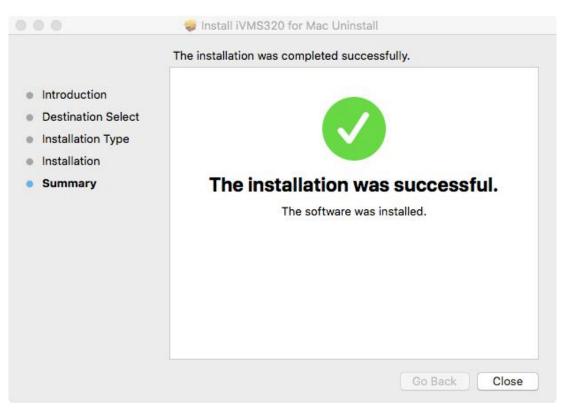


Figure 1-3-3

The above is uninstall process of iVMS320 on MAC OS 10.13.6 system.

1.4. Log in

1.4.1. First Login

After the installation is complete, you need to create a super user to open

iVMS320 for the first time. The login screen opened for the first time is shown

in Figure 1-4-1-1.



Figure 1-4-1-1

The program will automatically enter into main interface after the super administrator user is successfully added. Next, navigate into the "Device Adding" interface. Please refer to the operation instructions for device adding. Note: The first added user of system is the Super User. The Super User has the highest authority to operate on other users, but they can not delete related configuration information. For safety, we suggest setting a more complicated password for the Super User.

1.4.2. Normal Login

Users can be divided into Administrator and Operator based on different access. The administrator login requires an account with the corresponding authority. Double-click the iVMS320 shortcut on the desktop to open the login page. The normal login page is shown in Figure 1-4-2-1.

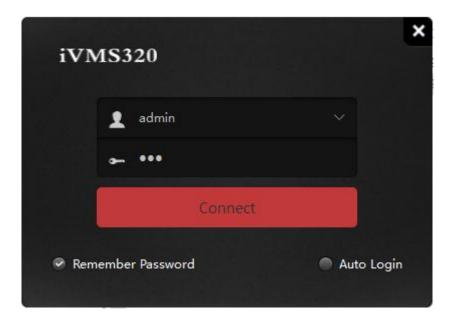


Figure 1-4-2-1

After entering the account password, click the "Connect" button or click the "enter" key to start the login.

Chapter 2 Main Function

Below will detailedly introduce the functions and instructions of each control in each function interface.

Warm Tips: The program will make the interface back to the one you last opened by default after logging, it may take a few seconds to restore before interface, and will stay on the main page. It will stay in the Home Page if it's opened for the first time, or if you have not clicked on other functions. The main interface of program is shown in Figure 2–1.



Figure 2-1

① The title bar includes software logo, real time, help and related, and window

control buttons.

 \oslash Menu navigation bar, open button for each function.

③ Function page, you can switch the display content by clicking the button in
②.

2.1. Live View

Click the Live Preview button on the left navigation menu to open the live preview interface. The real-time preview interface consists of several controls, as shown in Figure 2-1-1.

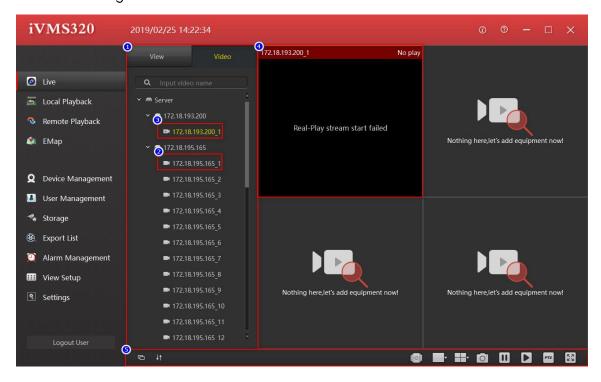


Figure 2-1-1

① View and camera list block, display added devices and channels or saved views, drag a channel of the device to 5 to play live preview video, click on the view list to switch views.

Online channel.

ℑ Offline channel.

(4) Play the window, drag 3 here to preview the device real–time picture.

5 Toolbar.

⁽⁶⁾ Modify the channel name. Right click the channel name of the list, it will pop up a menu to modify the channel name.

2.1.1. Device List

The Device list shows added devices. It will be detailedly introduced in the device

management of subsidiary management function, device list as shown in Figure

2-1-1-1.

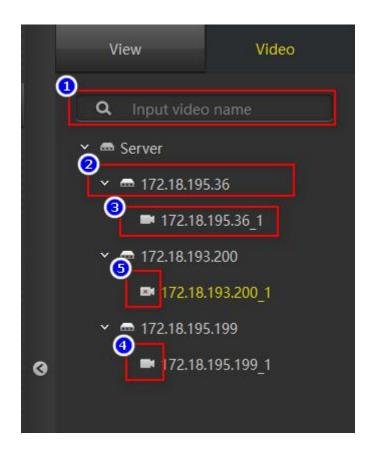


Figure 2-1-1-1

 ${\scriptstyle (1)}$ Device search box: when there are too many devices, you can quickly find the

device by entering the device channel name.

- Device name.
- ③ The device channel name, which can be dragged to the Play Window to start

- a live preview.
- ④ Online mark.
- 5 Offline mark.

2.1.2. View List

The view list shows the view saved by the user. Click on the item in the View List to open that view. If the device channel was added to the View, the live preview will start simultaneously when the view is opened. The View List and Play Window are shown in Figure 2-1-2-1.

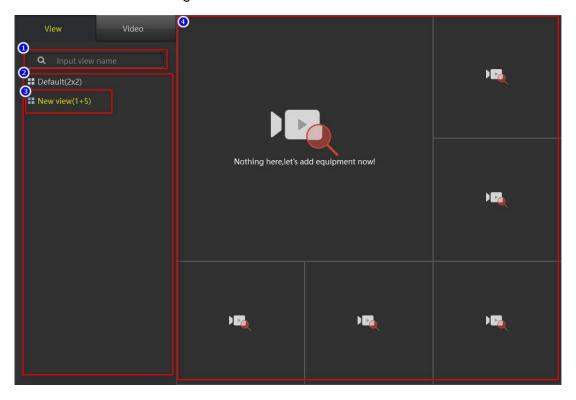


Figure 2-1-2-1

① View search box: when there are too many views, you can quickly find the device by entering the view name here.

2 The view saved by the user.

- ③ The currently open view.
- ④ Open view effect.

2.1.3. Display Window

The playback window is shown in Figure 2-1-3-1. Under normal conditions, (1) the playback channel title bar is a black background color, and (3) the display window toolbar is hidden. When the play window is selected, the real play window will have a yellow border, the title bar will change to dark red, indicating that the window is the currently selected window, and some of the function buttons of the toolbar bar need to specify a window, such as a screenshot button. When the mouse is over the play window and the play window has been dragged into the device channel, the toolbar of the play window is displayed.

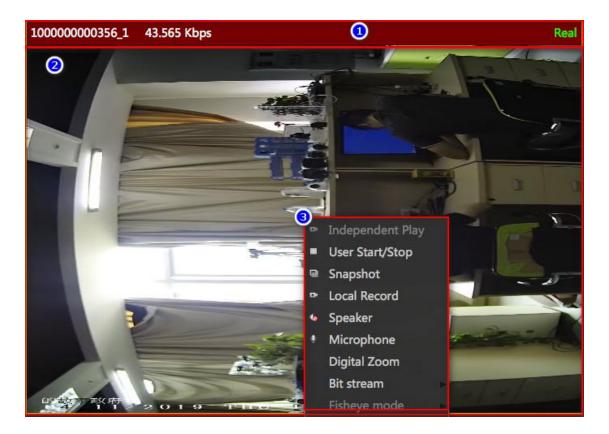


Figure 2-1-3-1

① Title bar of play window: shows the device channel name, code rate and device image status. The Triangle exclamation point indicates that the device has detected an object movement on the screen.

2 Device channel real-time picture.

③ Right click in the play window will pop up the play window menu bar, the icon in light gray means it is available, and the functions of several available icons are as follows: start/stop real-time preview, screenshot, start/close recording, turn on/off the speaker , turn on/off the microphone, digital zoom, switch stream, fisheye mode is available when the device is a fisheye device, used to expand the picture.

2.1.4. Toolbar



Figure 2-1-4-1

① Open/close View Polling: The Rolling View is used to automatically and repeatedly open the view which has enabled the rolling settings. The view settings will be detailed in 3.6.

2 Play image size settings with 5 optional settings.

③ View layout settings with 9 optional default empty views.

④ The screenshot tool is used to capture the current frame of the currently selected play window, and save it as an image format.

5 Stop all play windows.

6 Play all windows.

⑦ PTZ control. In the security monitoring application, PTZ is shorthand for Pan/Tilt/Zoom, which represents the omnidirectional (left/right/up and down) movement of the pan/tilt and the zoom control of the lens.

⑧ Full-screen display.

2.2. Local Playback

The local playback interface layout and live preview interface layout are similar. The main difference is that the local playback toolbar has more functions, as shown in Figure 2-2-1. Among them, ① the list fold/unfold button and ② the view device list are exactly the same as the live preview interface in function and style, so we will not describe this section in detail.

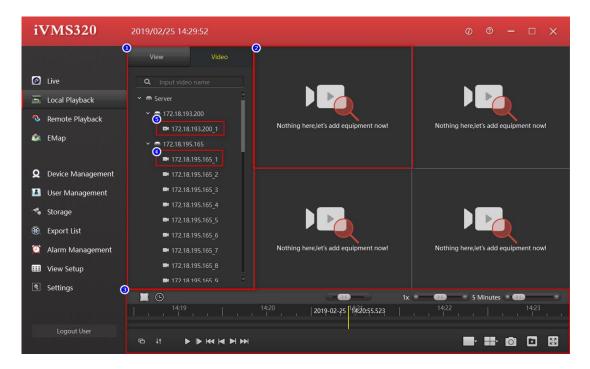


Figure 2-2-1

(1) View, camera list block, display added devices and channels or saved views, you can drag a channel of the device to (4) to play live preview video, click on the view list to switch views.

Offline channel.

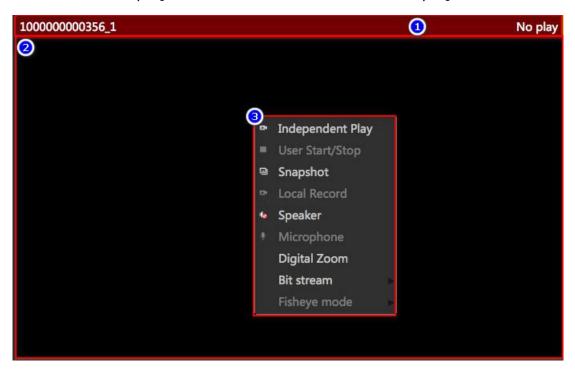
③ Online channel.

(4) Play window, you can drag (3) here to preview the real-time picture of the device.

5 Toolbar.

2.2.1. Display Window

Play window as shown in Figure 2-2-1-1. Under normal conditions, ① the title bar of the play channel has a black background color. ③ The toolbar of the play window is hidden. When the play window is selected, a yellow border will show in the play window and the title bar will change to dark red, indicating that the window is the currently selected window. Some of the function buttons on the toolbar bar, such as the screenshot button, need to specify a window. After the play window has been pulled into the device channel, the play window



toolbar will be displayed when the mouse moves over the play window.

Figure 2-2-1-1

① Play window title bar, displays the device channel name and code rate.

2 Device channel recording image.

⁽³⁾ Right click in the play window will pop up the play window menu bar, the icon in light gray means it is available, and the functions of several available icons are as follows: turn on/off the Independent play mode(Put the play controls into the toolbar and open the independent play mode. Some play control buttons and play control progress bars will be put into the play window, as shown in Figure.2-2-1-2), snapshot, start/close recording, turn on/off the speaker, digital zoom, switch stream, fisheye mode is available when the device is a fisheye device, which is used to expand the picture.

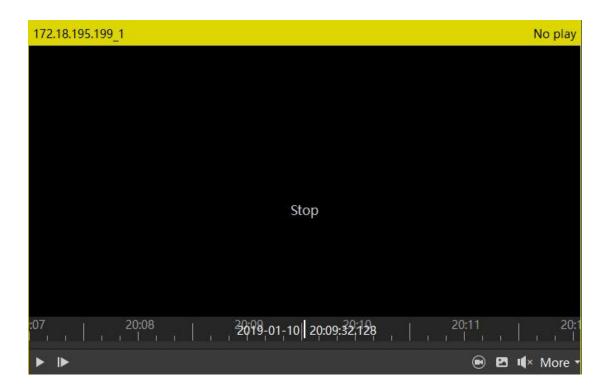


Figure 2-2-1-2

2.2.2. Toolbar

The local playback toolbar is shown in Figure 2-2-2-1.

	C 2	3		1x 🕷 💷	85分	H 🕕	5
6	11:45 11	:46 201,9-021,23	11.47.07.015	11:48 I I I I		11:49 ı ı	
10 C				8			æ

Figure 2-2-2-1

① Turn on/off the time selection mode. Turn on the time selection mode to select a time period for loop playback, or click the Export button to export the video of this time period as a normal video file.

② Open the time selection panel and click on the other area. The time selection panel will be folded.

3 Quickly retrieve videos.

④ Play speed control bar. The default speed is 1X. Pull left to slow down, and right to fast forward.

^⑤ Progress bar, zoom control bar and the left tab shows the time represented by the entire progress bar.

⁽⁶⁾ The progress bar. When the device channel is pulled into the play window, there will be a green thin bar if the channel has recording saved. The time axis above shows the recording time axis of the currently selected window, and the time axis below shows the union of all camera recording time axes in the current view. You can drag the time axis and the window will play the moment where the yellow vertical line is.

- ⑦ Forward play / stop playback.
- S Advance to the next frame.
- © Play the first record
- \bigcirc Play the previous record.
- 1) Play the next record.
- 1) Play the last record.
- 1 Play image size settings with 5 optional settings.
- I View layout settings, with 9 optional default empty views.
- (5) Intercept the current frame of the currently selected play window.
- (b) Export the time period select in (1).
- 1) Play in full screen.
- (18) Navigation menu toggle button.

(19) List toggle button.

2.3. Remote Playback

The remote playback interface layout and live preview interface are similar to the local playback layout, as shown in Figure 2-3-1. (3) play window is basically the same as in local playback, except not having the independent play function. So this section will not explain in detail.

iVMS320	2019/02/25 14:34:59		0 0 – 🗆 X
 Live Local Playback Remote Playback EMap 	Video File List Q Input video name ✓ Server ✓ 172.18.193.200 ■ 172.18.193.200 172.18.195.165 172.18.195.165	Nothing here, let's add equipment now!	Nothing here, let's add equipment now!
 Q Device Management User Management Storage Export List Alarm Management View Setup 	172.18.195.165_2 172.18.195.165_3 Type All Record Set start/end time [25.02.2019]] []] Search	Nothing here, let's add equipment now!	Nothing here,let's add equipment now!
Settings Logout User			

Figure 2-3-1

 View, camera list, search block list fold/unfold button and view style selection button bar, click to fold or unfold the view, camera list or change the view style.
 View, camera list block, display the added devices and channels or saved views.
 You can drag the device channel to (5) to play real-time preview video. Click the view list to switch the view.

- ③ Video search panel.
- ④ Display window.
- 5 Toolbar.

2.3.1 Video Search Panel

Remote playback searches and displays one day's recording by default. Select the type of video you want to search (normal, alarm or all), and the search date, then click the search button. If the device channel is online and has video, a green or red bar will be displayed on the timeline of the toolbar. Green represents normal recording and red represents alarm recording.

And in case of the local division of the loc	ALC: NOT AND ALC: NOT	
All R	ecord	×.
<u></u>	a second se	
2)et sta	rt/end time	
2 et sta 15.02.		Ē

Figure 2-3-1-1

① Video type selection drop down box, can select (all, normal or alarm) recording.

② Date selection box. Click the calendar icon on the right, a date selection panel will pop up. Click on any date, the date in the edit box will be updated. Please note that manually modifying the date in the edit box will not take effect.

③ Start search button.

2.3.2. Toolbar

The remote playback toolbar is shown in Figure 2-3-2-1.



Figure 2-3-2-1

① Turn on/off the sync control mode, and turn on the sync control mode to synchronize all playback windows.

② Turn on/off the time selection mode, turn on the time selection mode to select a time period for loop playback, or click the Export button to export the video of this time period as a normal video file.

③ Play speed control bar. The default speed is 1X. Pull left to slow down and right to fast forward.

④ Play forward.

5 Pause play. Progress bar zoom control bar. The left tab shows the time represented by the entire progress bar.

- 6 Stop play.
- \bigcirc Advance to the next frame.
- 8 Play the first record.
- 9 Play the previous record.
- 10 Play the next record.
- 1) Play the last record.
- 1 Play image size settings with 5 optional settings.

- (1) Intercept the current frame of the currently selected play window.
- (IIII) Export the file of the selected time period in (2) or the file selected from the file list.
- 15 Play in full screen.
- 16 Zoom in on the timeline.
- 1) Reduce the timeline.

Recording timeline. When a device channel with saved recording is pulled into the playback window, a thick green or red bar will appear. Move the mouse over it, and a yellow vertical bar will be displayed under the cursor. Click on the area with recording to start playing the video and the yellow vertical bar will move forward as the playback progresses.
Navigation menu toggle button.
List toggle button.

- List toggie buttoli.
- View switch menu.

2.3.3. File List

The file list is shown in Figure 2-3-3-1. The green video is normal recording and the red is alarm recording.

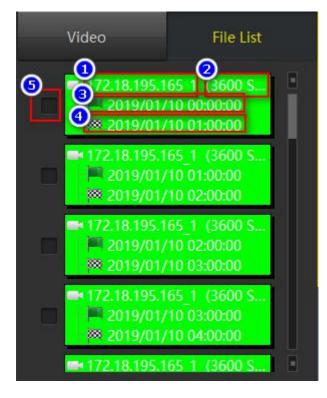


Figure 2-3-3-1

- ① Channel name.
- 2 The length of the video recording.
- ③ Recording start time.
- ④ Recording end time.
- 5 File check box.

2.4. E-Map Management

The electronic map editing status is shown in Figure 2-4-1, and the display status is shown in Figure 2-4-2. This section mainly introduces the editing status, how to customize a map to view and how to manage the map.

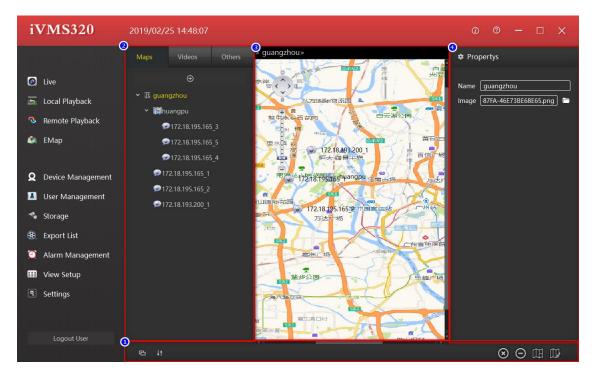


Figure 2-4-1

- 1 Toolbar.
- Maps, devices, and other listings.
- 3 Map preview area.
- ④ Element attribute editing area.
- ⁽⁵⁾ Save settings button.
- 6 Cancel button.

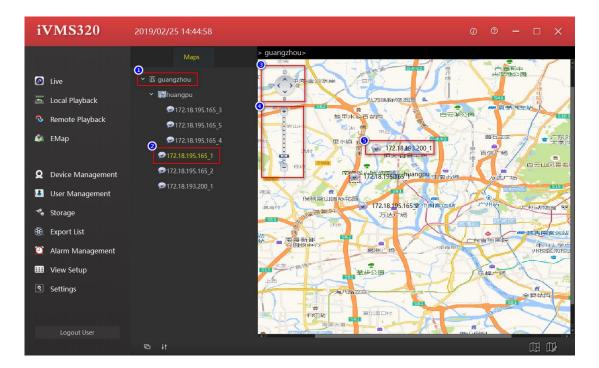


Figure 2-4-2

- ① Map elements.
- 2 Node elements.
- 3 Map move button.
- ④ Map zoom ruler.
- 5 Element node location, double click to preview the live view.

2.4.1. Map List

Editable maps list is shown in Figure 2-4-1-1.

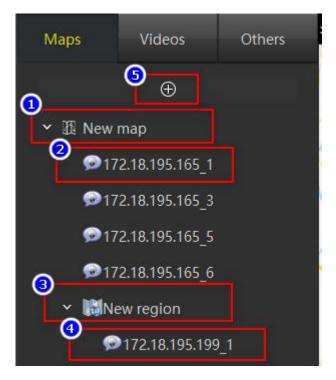


Figure 2-4-1-1

① Map elements, first level, drag and drop cameras and the other list elements into the preview map.

② The node elements, the element s in the camera list will be displayed after being dragged to the preview map.

③ Hot zones and submap elements can be embedded in the map. The other lists will be displayed after being dragged to the preview map.

④ The node elements in the submap are displayed after the elements in the camera list are dragged to the preview hot zones.

5 Add a new map button.

2.4.2. Map Preview

In the editable state, the map preview is shown in Figure 2-4-2-1.



Figure 2-4-2-1

- ① Map move button.
- 2 Map zoom ruler.
- 3 Camera element nodes, editable and mobile.
- ④ Hot zone, editable and available to drag, double click to edit.

2.4.3. Add Map

Create a new map node. Click the \oplus button of the map list; a dialog box for adding a new map will pop up. Enter the name and image path and click Add to create the map.

Add cu	istomized map	×
Name Image		
	Add Cance	

Figure 2-4-3-1

If needed, you can drag and drop the camera list and other list elements into the preview map. After editing, click the save button of the list to finish the map editing.

Chapter 3 Accessibility Propreties

This chapter mainly introduce the applications and usage of these functions.

3.1. Device Management

Device management is used to add, delete, modify, and view devices. You can add online devices with the device serial number, or you can add devices in the LAN through the channel device IP. The device management page is shown in Figure 3–1–1.

iVMS320	2019/01/102	20:25:54				Ø	◎ – □ ×
	1 Added Devic	ces (Devices:4, S	Selected:0, Total Channels:	39)			
🖸 Live	Dev	vice Name	Protocol	IP Addr		Port	
🛅 Local Playback		2.18.193.200	Herospeed, IPC	172.18.193.200		1257	
Remote Playback		2.18.195.199	Herospeed,IPC	172.18.195.199			
💐 EMap		2.18.195.36	Herospeed, IPC	172.18.195.36			
Емар		2.18.195.165	Herospeed,NVR	172.18.195.165		80	
Device Management User Management					3_	Add	5 Edit Delete
Storage	⁶ Online Devic	ces (Devices:58,	Selected:2, Total Channels	:400)			
Se Export List	2	Device Name	Protocol	IP Addr	Port	Is Added	Mac
Alarm Management	Z	NVR	Herospeed,NV	R 172.18.195.165	80	Yes	18:01:0C:0D:1D:4B
Wiew Setup		NVR	Herospeed,NV	R 172.18.195.157	80	No	06:0B:0C:0D:37:19
		NVR	Herospeed,NV	R 172.18.195.175	80		00:00:16:16:16:46
Settings		XVR	Herospeed,XV	R 172.18.193.236			D6:6D:14:E0:2B:AC
		NVR	Herospeed,NV	R 172.18.193.65		No	10:1D:20:39:7A:CA
Logout User						(B)	Add to Refresh V

Figure 3-1-1

1) Management of the added devices.

② All check box, you can click Delete button ⑤ after checking in batches, and then delete in batches the information of the added device..

③ Add button, click to pop up the Add Device dialog box, you can manually enter the device LAN IP or device serial number to add the device. To edit the device information, you can click the item in the list of the added device with the mouse, the selected item is displayed in yellow background, and then click the edit button to pop up the device information editing dialog box.
Click on the device entry or check the box for the entry and click the Delete button to delete the selected entry.

⁽⁶⁾ For the list of device information in the LAN, you can check the check box in the first column and click Add to button ⁽⁸⁾ and enter the password to add the database.

⑦ Select all check boxes, you can check the devices in the LAN in batches, and then click the Add to button ⑧ to enter the password and add the database. ⑧ Add to the database button, check the device in the LAN and click this button will pop up the Add Device dialog box. Filled in the network parameters of the device in the dialog box, just fill in the user name and password of the device, you can add to the database after the verification.

(9) Refresh the devices in the LAN.

3.1.1. Add Device

This dialog box can be popped up by clicking the Add button of the added device list or the Add to button of the LAN device list. The difference is that the latter will automatically populate the checked device network parameters, and only need to supplement the device username and password. Start the next step to verify the device information. The dialog box is shown in Figure 3-1-1-1.

A	dd Devices								×
	Type IP addresses Type the IP addresses	of the ha		ant to add to you	ur sustam Vou s	an chood un	the scenning	process by coloctin	ag the
	appropriate proposition of the second s	of the dev		ise your inputed					
2) - Add Hardware Devic	es							
	IP	Port	User Pa	ssword Channe	el Num 🛛 🖡	rotocol		Status	
	172.18.195.165	80		36	Herosp	eed,NVR 🕓			
	172.18.195.157	80		36	Herosp	eed,NVR			
0	Add P2P Devices								
	Series Num	User	Password	Channel Num	Protocol			Status	
				1	P2P IPC	Ŷ			
							4	Next step	Cancel

Figure 3 - 1 - 1 - 1

① Set the default username and password, the user can set several common usernames and passwords, so that there is no need to fill in the username and password of the device every time you add the device, and directly verify the next step as shown in Figure 3-1-1-2.

② Add the device area with IP: the IP, port, channel numbers and protocol will be all filled by default if enter from the list of LAN devices; you need to fill in all of these if add the device area manually.

③ The serial number adds the device area, where all information is manually added by the user.

④ Next step verification button, start to verify the added device, if there is verified device, it will become the confirmation add button, click Add to finish

adding device.

⑤ Cancel add a device to close the Add Device dialog box, the same function as

6),

6 Close the Add Device dialog.

	Set Default User		×
	lf you don't want to ir time,you should add t		ord every
	User Name	Password	1
	admin admin		Add
(2dmin 32345		
			Remove
		<u></u> ОК	Cancel

Figure 3-1-1-2

3.1.2 Edit Device

Edit the device information, first select the device to be modified, click the edit button, the edit device information dialog box will pop up, the gray edit box is not editable, the others are editable, click the OK button to save the modification. Modify the steps as shown in Figure 3-1-2-1.

100000000328	Herospeed, P	2P NVR/XVR	P2P EC MANAGER			0	
172.18.195.172	Edit Devices		×			80	
	lp [Port [Protocol	10000000328 P2P EC MANAG 0 Herospeed,P2P 16	GER			Add	Edit Delete
Online Devices (Dev		admin		dr	Port	ls Added	Mac
		Ok	Cancel	5.172	80	Yes	00:00:16:16:16:46

Figure 3-1-2-1

3.2. User Management

User management is used to add, delete, modify, and view users. General users can only modify their own passwords. Administrators can view and modify their own and operator's information, add and delete operator users. Super administrators have all permissions. The user management page is shown in Figure 3-2-1.

iVMS320		1/15 10:39:0	4			Ø	0			×
	1 Index l	Jser Name	Туре							
🖸 Live	2 001	admin	Super User	 						
🛅 Local Playback	002	ada	Operator							
🗞 Remote Playback			Administrator							
🍂 EMap	004	aha	Operator							
Q Device Managemer	t									
User Management										
🔩 Storage										
🛞 Export List										
🔯 Alarm Managemen										
💷 View Setup										
Settings										
Logout User					0 —	(4)	Edit Us	- <mark>(</mark> 5)-		
Logourosci					Add	d User	Edit Us)elete	Jser

Figure 3-2-1

(1) User Information list, click the selected device such as (2) with mouse and then click (4) to edit users and (5) delete users.

2 Select the user item, click 4 to edit users and 5 delete users.

3 Add a new user (the operator does not have this permission), click to pop up

the Add User dialog box as shown in Figure 3-2-2.

- ④ Edit user information.
- 5 Delete user information.

Click the Add button to pop up the Add User dialog box, as shown in Figure 3-2-1-1. Editing user is basically the same as adding user. The editing user will have the original information of the user, and the user name cannot be modified, and will not be described.

ļ	Add User									>	<
	Jser Information										
Us	er Type: Operato	or			User Na	ime:					
Pa	3 assword:		F F	Passw	ord(repe	eat):			5		
l	Jser Access										
	User Access	9	Camera		Live	PTZ	Manual Recording	Playback	AVI Export	Subscribe Alarm	
5	Live	~	100000000328	3_1	~	~	~	~	~	~	
	Playback	~	100000000328	3_2	~	~	2	Y	~	~	
a	Edit Views	~	100000000328	3_3	~	~	~	~	\checkmark	~	
1 2			100000000220	2.1	~	7			2		
								S	ave	Cancel	

Figure 3-2-2

- 1) The type of user added.
- 2 username.
- ③ password.

④ Repeat the password to avoid the wrong character, Submitted successfully if

- it is consistent with \Im .
- 5 Live permission, if cancelled, the user cannot enter the live preview page.

[®] Local playback and remote playback permissions, if unchecked, the user can not enter these two pages.

⑦ View management permission. If canceled, the user cannot enter the view management page.

- ⑧ All Check box in All cameras option, you can select all or cancel all , such as
- (9) and you can select other devices.

9 Device channel level permissions.

3.3. Storage

The storage is used to develop a storage plan for the channel level. Users can set a storage plan for the channel of each device. (The device added with the serial number does not support the storage plan temporarily, the back-end device is the NVR, and the XVR device does not support motion detection.) The setted plan will be only be saved to the local computer; it will not affect the original settings of the device. It will be stored in the C drive by default. If necessary, you can re-select the save path to other drive letters. The storage plan interface is shown in Figure 3-3-1.

iVMS320	2019/02/25 14:50:24				0	◎ – □ ×
	1 Template					
O Live	Ĭ	Record On	Schedule	Retention Time	Recording Stream	Recording Path
🛅 Local Playback	Template->	Motion detection ~	Always ~	5 Day 🗸	Main stream 🛛 🗸	C:/VMS/Record
🗞 Remote Playback	Camera Summary					
촪 EMap	Camera Name	Record On	Schedule	Retention Time	Recording Stream	Recording path
	172.18.195.165_			5 Day	Main stream	C:/VMS/Record
Q Device Management	172.18.193.200_			6 5 Day	Main stream	8 C:/VMS/Record
User Management	172.18.195.165_	Always Never Motion detection		5 Day	Main stream	C:/VMS/Record
🔩 Storage	172.18.195.165			5 Day	Main stream	C:/VMS/Record
🏵 Export List	172.18.195.165	4 Never		5 Day	Main stream	C:/VMS/Record
Alarm Management	172.18.195.165	5 Never		5 Day	Main stream	C:/VMS/Record
III View Setup	172.18.195.165_	5 Never		5 Day	Main stream	C:/VMS/Record
·	172.18.195.165_	7 Never		5 Day	Main stream	C:/VMS/Record
Settings	172.18.195.165_	3 Never		5 Day	Main stream	C:/VMS/Record
				9 Appl	y Template	re Cancel
Logout User						
	© ↓†					

Figure 3-3-1

1) Template settings, edit the settings here, and then select the checkbox of

device channel, such as ③, or select all option, such as ②. And then click the button of Apply Template to set the channel of selected device to be the same as the template.

- Select all / cancel all selections.
- 3 Select the checkbox.
- ④ Optional plan, default selection never.

5 Video recording, default always, if 4 selected motion detection or video

recording, you can choose to edit the plan, click Edit and it will pop up the dialog

box for plan editing, as shown in Figure 3-3-2.

Schedule Properties -	172.18.193.200_1 >	<
Record Period	Record schedule	h
	Record schedule: Schedule legend	:
	ALWAYS ~ Delete	
	Add new ALWAYS 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00	
	<u>իսկակակակակակակակակակակակակակակակակակակա</u>	
	00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 Tuesday	
	00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 Wednesday	
	00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00 Thursday	
	Friday 00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00	
	Saturday 00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00	
	Sunday 00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00	
	Start time: 00:00 End time: 23:59 Day: All Set Period]
	OK Cancel	כ

Figure 3-3-2

- 6 The Retention Time for Recording, the input range is 1-365 days.
- ⑦ The stream setting to save the recording, you can select the main stream, the

sub stream and the third stream.

- [®] The path to the parent folder where the video is saved.
- 9 Apply template, the template setting 1 is set to the checked device channel.
- 10 Save changes.

3.4. Export List

The export list is used to view the export task information. All the export tasks are displayed here. The user can cancel the export task in progress, check the cause of the failure, and view saved address for Export successfully. The export list is shown in Figure 3–4–1.

Ceate Time Task Name Channel Name Total Time Progress Sate Playback 2019/01/15 104223 NRV Valee Expert 100000002281 0.210 Expertine 2019/01/15 10423 NRV Valee Expert 100000002821 0.220 Careet 2019/01/15 10423 NRV Valee Expert 100000002821 0.220 Careet 2019/01/15 10423 NRV Valee Expert 100000002821 0.10 Walting 2019/01/15 10423 NRV Valee Expert 1000000002821 0.10 Walting 2019/01/15 10427 NRV Valee Expert 1000000003281 0.10 Walting 2019/01/15 10428 NRV Valee Expert 100000003281 0.10 Walting 201	port list.						
Palyback. 2019/01/15 104828 N/R Video Export 1000000028/1 0.220 Exporting 2019/01/15 104826 N/R Video Export 10000000028/1 0.220 Exporting Exporting 2019/01/15 104828 N/R Video Export 10000000028/1 0.220 Exporting Exporting 2019/01/15 104828 N/R Video Export 10000000028/1 0.220 Exporting Exporting 2019/01/15 104828 N/R Video Export 10000000028/1 0.120 Exporting Exporting 2019/01/15 104828 N/R Video Export 100000000028/1 0.120 Exporting Exporting e Management Export 1000000000000000000000000000000000000		Create Time	Task Name	Channel Name	Total Time	Progress	State
Payback 2019/01/15 1048/58 NRR Valee Expert 10000000028/1 0.320 Experting 2019/01/15 1048/38 NRR Valee Expert 10000000028/1 0.320 Cancel 2019/01/15 1048/38 NRR Valee Expert 10000000028/1 0.120 Walting 2019/01/15 1048/38 NRR Valee Expert 10000000028/1 0.13 Walting 2019/01/15 105127 NRR Valee Expert 100000000328/1 0.10 Walting e Management Setup Setup Setup Setup Setup Setup		2019/01/15 10:48:28	NVR Video Export	100000000328_1	0:4:10		Detail Info
2019/01/15 1049:38 NRR Valee Expert 10000000028 1 6:20 Cancel 2019/01/15 1049:38 NRR Valee Expert 10000000028 1 0:10 Walting 2019/01/15 1049:38 NRR Valee Expert 100000000328 1 0:10 Walting 2019/01/15 1051:27 NRR Valee Expert 100000000328 1 0:10 Walting e Management Figure State Figure State Figure State Figure State pe Figure State Figure State Figure State Figure State Figure State Stetup Figure State Figure State Figure State Figure State Figure State	vback				0:3:20		Exporting
2019/01/15 10:4/2:30 VMR Video Export 10000000003/2,1 0:10 Walking 2019/01/15 10:51:27 NVR Video Export 1000000003/2,1 0:10 Walking e Management ge 1154 Valing Valing 1 List Valing Valing Valing Valing • Management Setup Valing Valing Valing					0:3:20		Cancel
e Management ge 1 List • Management • Management • Management	ayback				0:1:0		Waiting
Management ge t List • Management Setup					0:1:0		Waiting
	anagement						

Figure 3-4-1

① Jump to the link to the export list, click to jump to the export list, and then

the message bar automatically closes.

2 Close the message bar.

③ Task status.

④ Task details, click to view the cause of the task error or save the address, as shown in Figure 3-4-2, click on the save address to the path to save video recording.

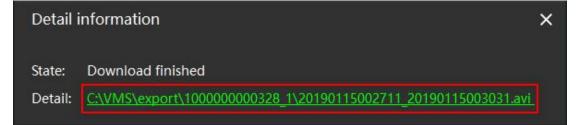


Figure 3-4-2

3.5. Alarm Management

Alarm management is used to view IPC alarm information. At present, only IPC devices support the alarm function, mainly to detect the movement of objects, when the camera detects that there is an object moving, it sends out an alarm to the beginning of the action, and when the action ends, it also gives an alarm, you can select ⁽²⁾ to Stop refreshing the alarm information. The alarm page is shown in Figure 3-5-1.

iVMS320	2019/01/15	10:57:30			ø ⊚ – □ ×
	Alarm Num	2			Pause Refreshing
💽 Live	ID	Alarm Type	Alarm Time	Device	Channel
🛅 Local Playback	3 1	Motion Detect - Start	2019-01-15 10:55:58	172.18.193.200	172.18.193.200_1
📀 Remote Playback	2	Motion Detect - End	2019-01-15 10:57:10	172.18.193.200	172.18.193.200_1
🌌 EMap					
Q Device Management					
User Management					
🔩 Storage					
🛞 Export List					
🔯 Alarm Management					
💷 View Setup					
ৎ Settings					
Logout User					

Figure 3-5-1

- ① The total number of alarms.
- 2 Stop/start refreshing the alarm message.
- ③ Alarm information entry.

3.6. View Setup

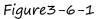
View management is used to customize the edit view. Users can select the appropriate image scale and view style to add the device channel to the view, so you can switch to this view through the view list during live preview or local playback to play the channels you want, instead of being dragged in one by one, can be dragged into the device channel, and can also be dragged into the URL, image and Carouseled device. If the Carousel function is enabled in the view, the Carousel can be turned on in the real-time preview interface, and cycle switch between these views with Carousel function enabled. More content in this section

and it will be described graphically.

Click the button $\textcircled{\oplus}$ to select the desired view layout type, as shown in

Figure 3-6-1.

iVMS320	2019/02/25 14:55:18			0 0 – C ×
	Views Videos Others			✿ View Property
 Live Local Playback Remote Playback EMap Device Management 	ti defualt(2x2) 4:3 4:3 4:3Portrait 1 16:9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1x1 2x2 1x5 3x2 1x7 3x3 3x4 4x3 4x3 4x3		Enable Carousel Carousel Time(SEC):
 User Management Storage 	4 2 5	4x4 2+18 5x5		✿ Item Property
 Export List Alarm Management 		5x6 5x8 7x7 Pr6) E	
View SetupSettings	8 9 9 9	8x6 **** 8x8 9x9 9x12 10x10		
Logout User	Save Don't save			
	© ↓†			



3.6.1. Edit View Content

There are 4 types of view content: 1) Camera, 2) Image, 3) HTML page, 4) Video

Carousel, select the view to be edited, as shown in Figure 3-6-1-1.

iVMS320	2019/02/25 14:56:34			0 0 – 0 X	
	Views Videos Others			¢ View Property	
 Live Local Playback Remote Playback EMap Device Management 	# defusit(\$z\$) # new(1+5)	Nothing herejet's add equipment now!	Nothing here.let's add equipment now!	Enable Carousel Carousel Time(SC):	
User Management				¢ Item Property	
 Storage Export List Alarm Management 					
III View Setup					
Settings	Save Don't save	Nothing here.let's add equipment nowl	Nothing here.let's add equipment nowl		

Figure 3-6-1-1

(1) Set the view window to add a video device, select the camera, drag it to the target window, and complete the device channel addition, as shown in Figure 2 + (-1, -2)

3-6	-1	-2.
-----	----	-----

iVMS320				
	Views Videos Others	172.18.193.200_1 No pity		View Property
 Live Local Playback Remote Playback EMap Device Management User Management 	Q input video name Server 172.18.193.200 172.18.193.200 172.18.193.200.1 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.165 172.18.195.175 172.18.195.175 172.18.195.175 172.18.195.175 172.18.195.175 172.18.195.175 172.18.195.175 172.18.195.175 172.18.195.175 172.18.195.175 172.18.195.175 172	Not Start	Nothing herejet's add equipment now!	Enable Carousel Carousel Time(SEC):
 Storage Export List Alarm Management 	 ■ 172.18.195.165_4 ■ 172.18.195.165_5 ■ 172.18.195.165_6 ■ 172.18.195.165_7 			Bit stream: Main stream 🗸
 Settings 	 172.18.195.165_8 172.18.195.165_10 172.18.195.165_10 172.18.195.165_11 172.18.195.165_12 172.18.195.165_13 172.18.195.165_14 172.18.195.165_15 172.18.195.165_16 172.18.195.165_16 172.18.195.165_16 172.18.195.165_18 	Nothing here,let's add equipment now!	Nothing herojet's add equipment now!	Apply to All Video Window
Logout User	ro ti			

Figure3-6-1-2

2 Set the view window to add a text page

- a. Click on other items
- b. Check "HTML page"
- c. Drag to the specified window
- d. Enter the web address

As shown in Figure 3-6-1-3.

iVMS320			
	Views Videos Others 17	72.18.193.200_1 No phy	✿ View Property
 Live Local Playback Remote Playback EMap Device Management User Management 	ITML Page Image Carouxel	Not Start Nothing here jet's add equipment now!	Enable Carouxel Carouxel Time(SEC):
 Storage Export List Alarm Management 			Bit stream: Main stream 😒
III View Setup		×	Apply to All Video Windows
(S) Settings	Sare Don't save	Enter the URL that you want to open, or the path of the HTML page on the local computer: http://www.baidu.com Browse. OK Cancel Nothing here.let's add equipment now! Nothing here.let's add equipment now! Nothing here.let's add equipment now!	

Figure 3-6-1-3

- 3 Set the view window to add a picture
- a. Select "Image"
- b. Drag to the specified window
- c. Select an image
- As shown in Figure 3-6-1-4.

iVMS320	2019/02/25 15:01:59	0 0 - 0 ×
D the	Views Videos Others 17218.193.200_1 No pt/p	× view Property
 Live Local Playback Remote Playback EMap Device Management User Management 	Image 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 中 + P P P P P P P P P P P P P </th <th>Enable Carousel Carourel Time(SEC): 1 \$ Item Property</th>	Enable Carousel Carourel Time(SEC): 1 \$ Item Property
 Storage Export List Alarm Management View Setup 		Page Address
[9] settings	Nothing here,let's add equipment now!	
	save [bont tave]	

Figure 3-6-1-4

- ④ Set view window to add window Carousel.
- a. Select "Carousel".
- b. Drag to the specified window.
- c. Select equipment that requires window Carousel.
- d. Set the time of the window video carousel.
- e. Set the stream type of the video.

As shown in Figure 3-6-1-5.

iVMS320	2019/02/25 15:03:24	0 0 - 5 ×
	Views Videos Others 172.18.193.200_1 No phy	× View Property
 Live Local Playback Remote Playback EMap Device Management 	HTML Page Image Carousel Not Start	Enable Carouxel Carouxel Time(SEC): 1
User Management	Carousel setup X	¢ Item Property
Storage B Export List Alarm Management		File path:Browse
View SetupSettings		
	Try: 18, 195, 165, 2 Default carouxel time(s) Tip: double dick the pane to enter the edit state. Default is stream Main stream Karo Sayy Don't save	wf
Logout User		

Figure 3-6-1-5

3.6.2. Modify View Name

Double-click the view to be modified to enter the edit state and modify the view

name, as shown in Figure 3-6-2-1.

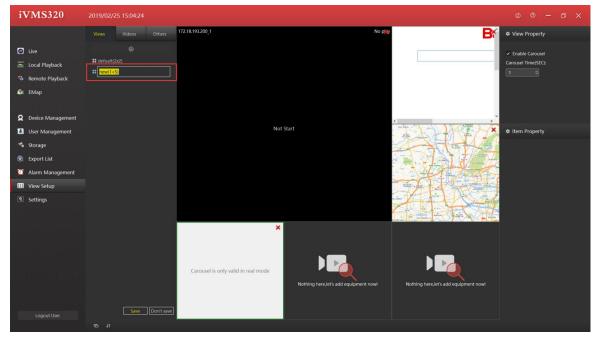


Figure 3-6-2-1

3.6.3. Delete View

Select the view right-click pop-up menu and choose Delete View. Click Delete,

iVMS320		0 0 – 6 ×
	Views Videos Others 17218193200_1 No ptor	✿ View Property
 Live Local Playback Remote Playback EMap Device Management 	ii detual(2/2) ii nex(1+5) Delete 2 delete	Table Carouel Carouel Tim(SC):
User Management Storage Export List Alarm Management View Setup Settings		¢ item Property
	Carousel is only valid in real mode	

as shown in Figure 3-6-3-1.

Figure 3-6-3-1

3.6.4. Set View Carousel

The procedure for setting up carousel for a playback window, shown as Figure

3-6-4-1.

iVMS320 20					
	Views Videos	Others 172.	.18.193.200_1		No play
Local Playback	 # defualt(2x2) new(1+5) 				
ар		AI	arousel setup	Selected videos	×
Management anagement tist List Management etup		D	Server 172:16:193.000 172:16:193.200,1 172:16:193.200,1 172:16:193.165,1 172:16:195:165,2 172:16:195:165,2 172:16:195:165,2 172:16:195:165,2 170:10:10:10:10:10:10:10:10:10:10:10:10:10	Add Name Time Delete Up Down Tip: double click the pane to	Bit stream
Settings			efault bit stream	Nothing here.et's add equipment n	DK Cancel

Figure 3-6-4-1

① Select enable carousel.

② Set up the carousel Time (SEC), which is the time interval for view carousel. The Default carousel Time in the dialog box, which is the time interval for the device channel carousel.

③ Select carousel setup.

④ Set the stream of video carousel.

3.7. System Setting

The system settings are used to save the user's default settings, such as remembering passwords and auto-login, etc. The saved settings are valid only after the software is restarted. The system settings page is shown in Figure 3-7-1.

iVMS320	2019/01/15 11:07:35	Ø	0	-	٥	×
	System Settings					
🕑 Live 🚡 Local Playback	Login Options					
Remote Playback EMap	Language Option					
Device Management User Management	Exported Video CVM/Skarport					
 Storage Export List Alarm Management 	Manangement Option					
View SetupSettings	Other Option Other Option Other Video Window is Maxed Show Bit Rate in Video Window					
		s	iave		Cance	

Figure 3-7-1

① Remember password. The next time you log in, the username and password will be automatically filled in.

2 Auto Login, log in directly using the last login username and password.

③ Language Option, the software supports multiple languages, you can select

the right language. To make the new language effective, you must restart the program, such as ④ prompt.

- ④ Modify the software language prompts.
- (5) The save path of the file generated by the software operation
- ⁽⁶⁾ The button for Service control

Import and export data from the database, please pay more attention when importing data, after the data is successfully imported, the previous settings will be fully covered.

⑧ As shown on the label: "Auto Switch to Main Bit Stream, When Video Window

is Maxed ".

(9) As shown on the label: "Show Bit Rate in Video Window ".