



CamPro VMS

64 Channel IP Camera
Management Software

User Manual



www.airlive.com



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1

Overview

1.1 Introduction

CamPro VMS is a monitoring client which is specially designed for network video surveillance. After the network video monitoring system is built, the super administrator can control the video input signal devices, such as cameras, domes, etc., to achieve live monitor, video record and backup by configuring the video parameters and viewing the live in the control panel. Users can choose the menu to control video surveillance system in the control panel.

The main functions of the control panel include live view, playback, E-map, device management, group and scheme settings, user account and permission, local log, basic configuration and alarm management

1.1.1 Product Feature

- Manage up to 64 Network Cameras
- Support H.264 /MPEG4
- High Quality Live/Playback Video
- Export Playback Videos to AVI
- Smart Search
- Remote Login via IE Browser
- E-Map Monitor and Event Alert
- Support 100 divisions

1.2 Minimum System Requirements

1.2.1 Operating System Requirement

System	Recommendation
Windows 7	Windows 7 (32bit/64bit, support SP1), DirectX 11.0 or above
Windows 8	Windows 8 (32bit/64bit), DirectX 11.0 or above
Windows 10	Windows 10 (32bit/64bit), DirectX 11.0 or above

1.2.2 Hardware Requirement:

Item	Recommendation
CPU	Intel Core i7 or higher
Memory	2GB or above
HDD	1TB or above
Graphics Card	Independent graphics card; 512M graphics memory or higher

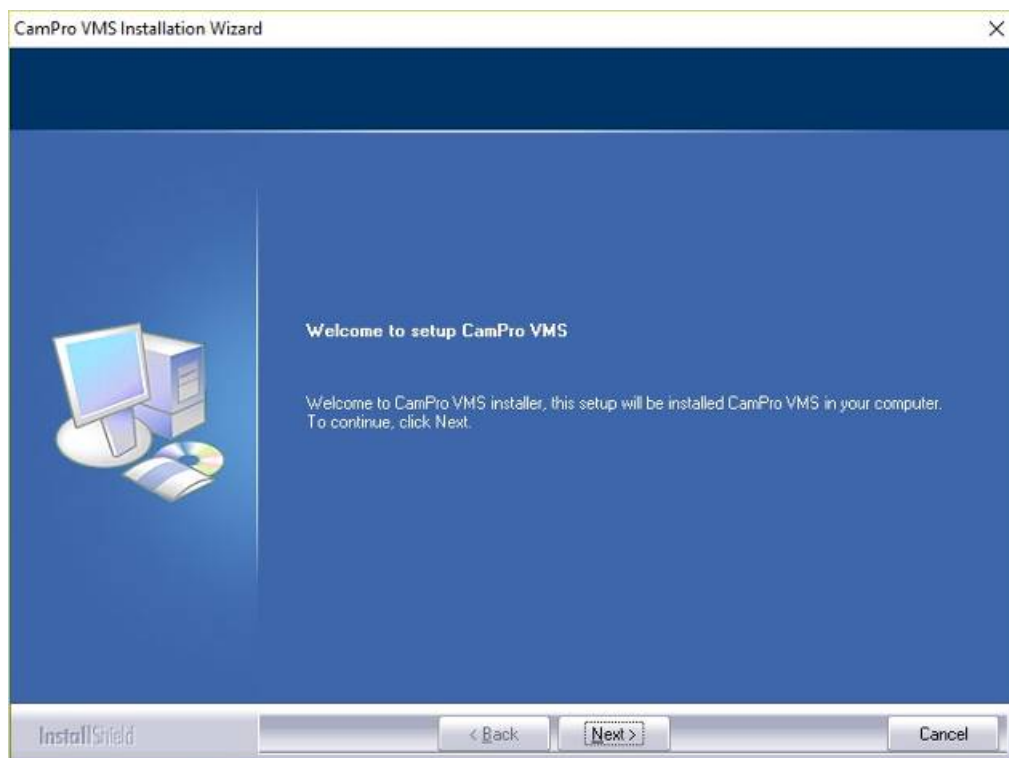
When running CamPro VMS, you need to ensure that all the running antivirus software and firewall are closed, so that CamPro VMS can be installed.

2

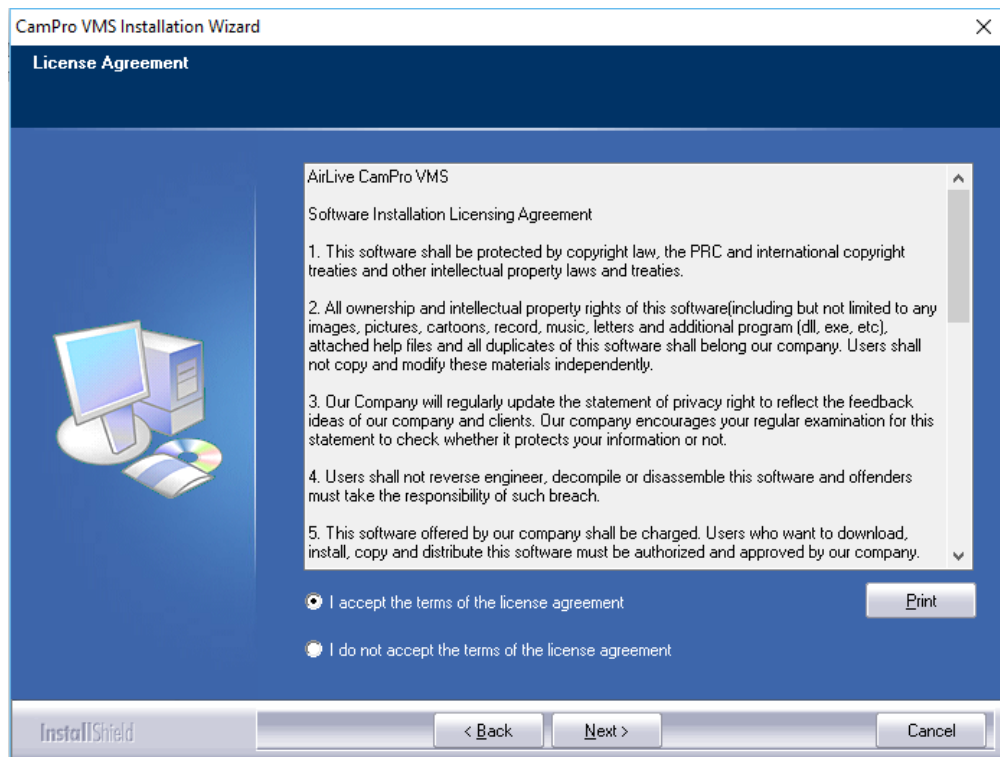
Installation

2.1 Software Installation

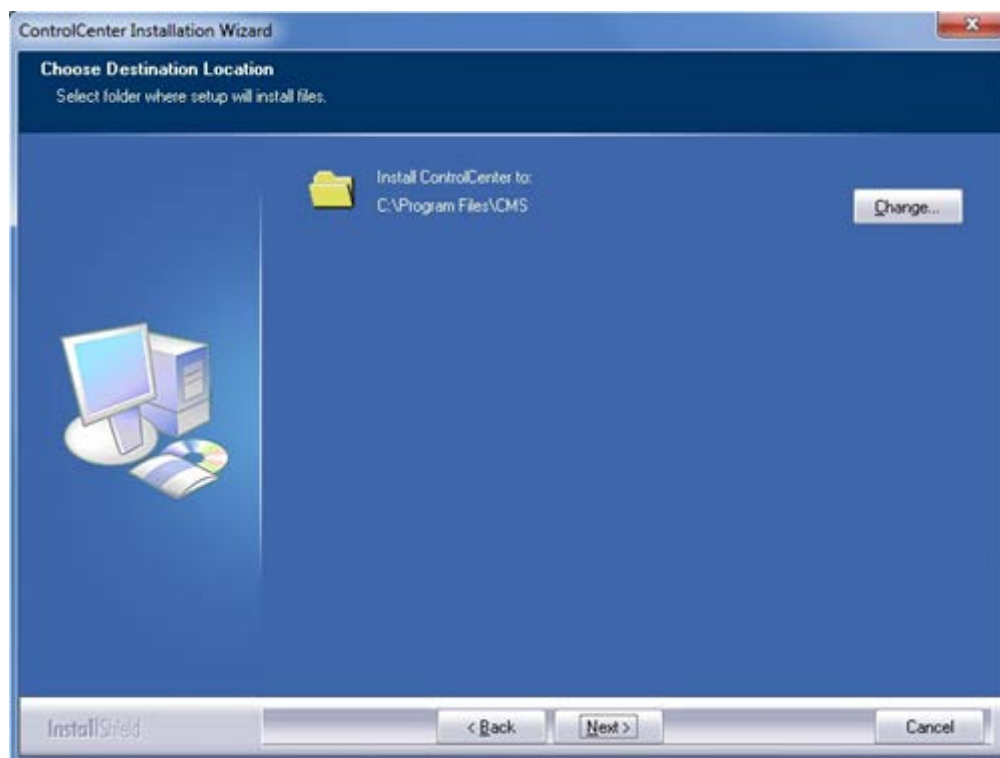
2.1.1 Open the software folder and double click on the setup.exe for starting the installation. The installation program will prepare to install the program.



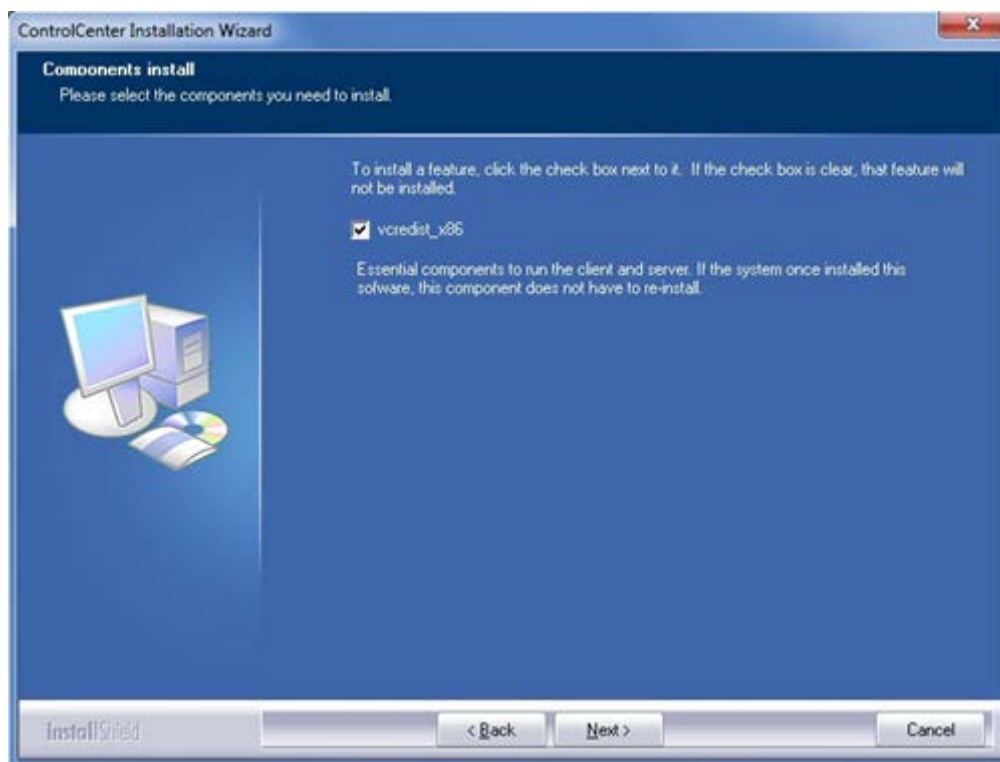
2.1.2 Select **I accept the terms of the license agreement** and then click **“Next”** to continue.



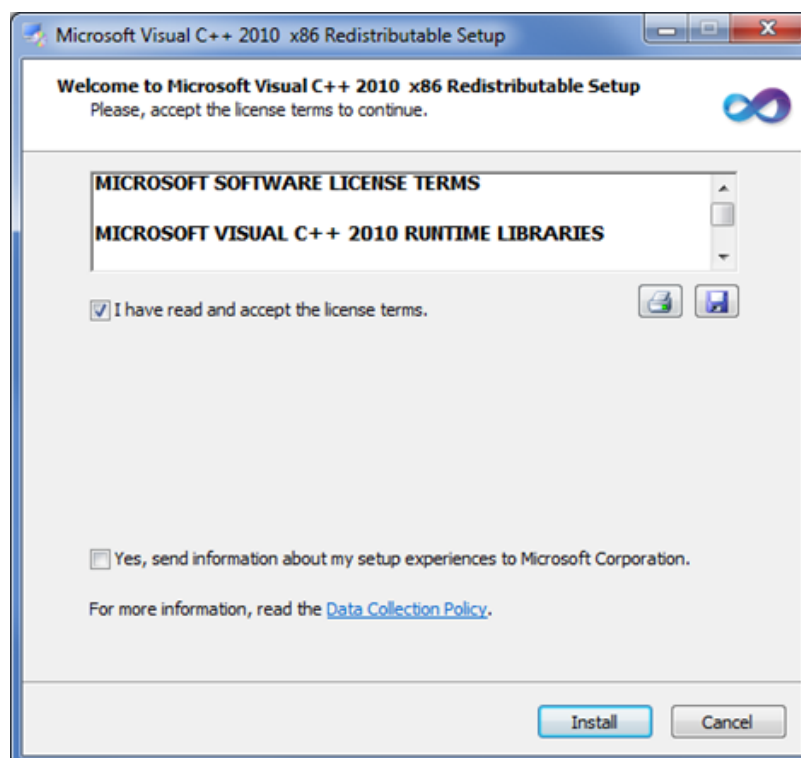
2.1.3 Click **“Change”** when you want to change the installation path. Click **“Next”** to continue



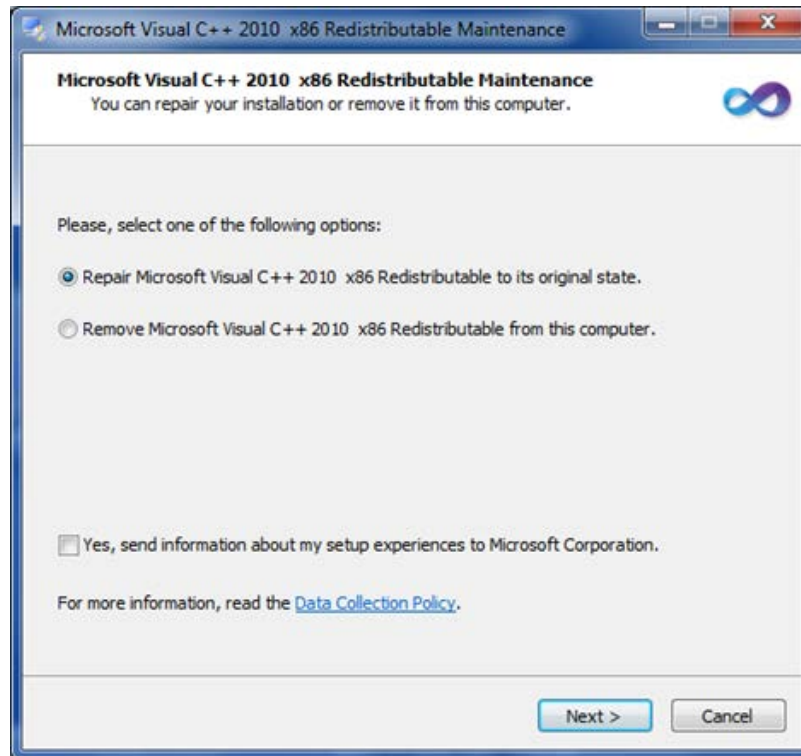
2.1.4 Check “**vc redistrib_x86**” and then click “**Next**” to install this plug-in.



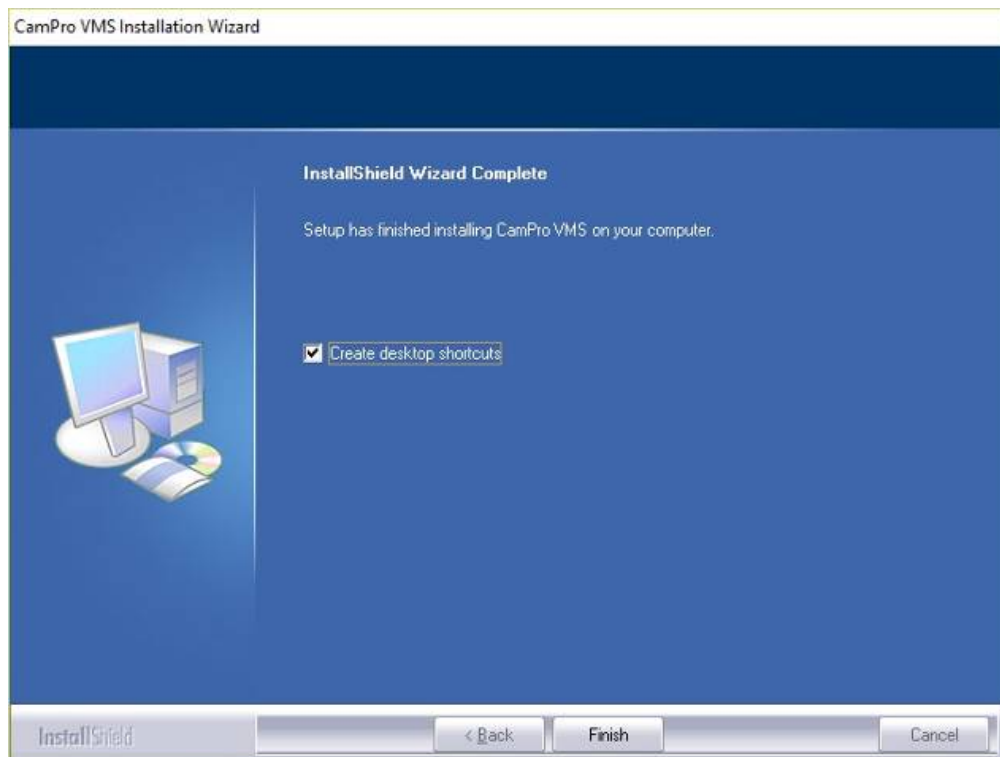
2.1.5 Check **I have read and accept the license terms** and then click “**Install**” to start installing vc redistrib_x86; click “**Finish**” to complete the installation.



Note: If `vc_redist_x86` has been installed, please select **“Repair Microsoft Visual C++ 2010 x86 Redistributable to its original state”** and then click **“Next”** to repair it. Click **“Finish”** to finish repairing

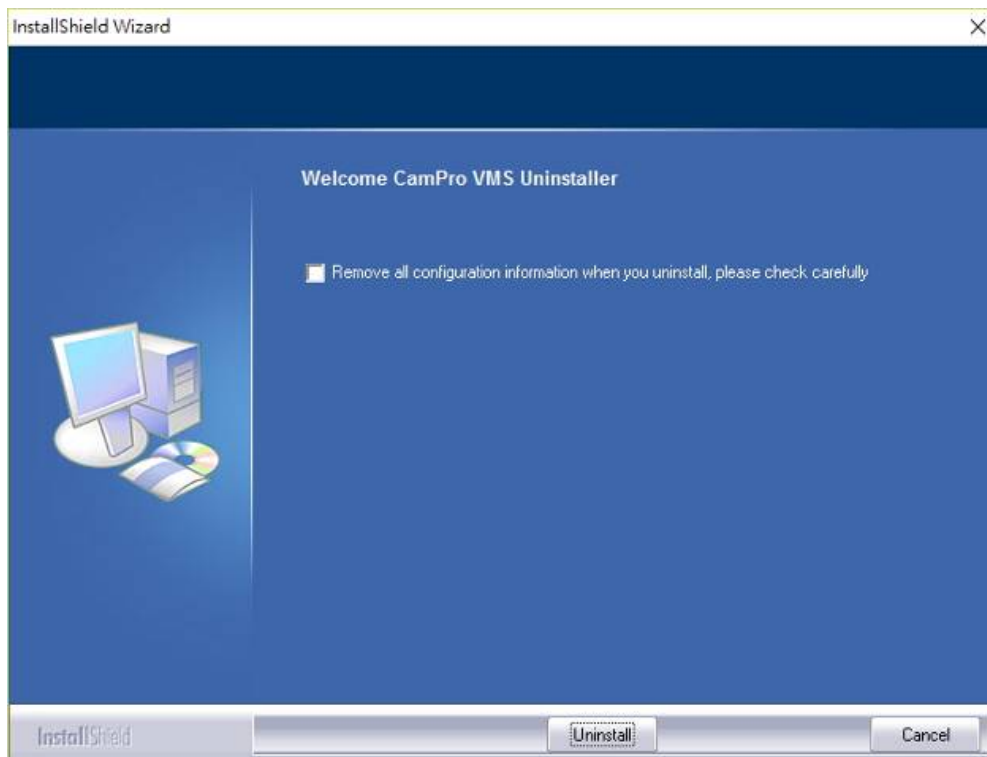


2.1.6 Click **“Next”** to continue. At last, check **Create desktop shortcuts**, then click **“Finish”** to complete the installation.

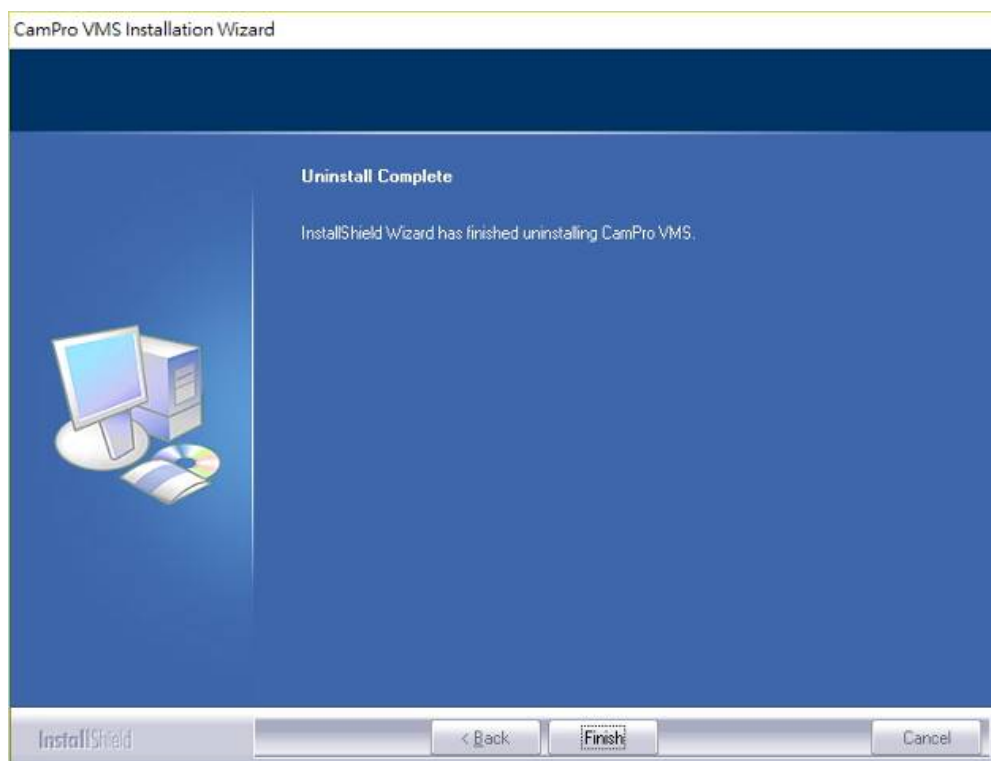


2.2 Software Uninstallation:

- 2.2.1** Click **Start** menu on the desktop and then find the shortcut of CAMPRO VMS. Click **“Uninstall CAMPRO VMS”** to pop up a window as shown on the right. Click **“Uninstall”** to begin uninstalling CamPro VMS.



2.2.2 Click **“Finish”** to end of the uninstallation.



3

Run CamPro VMS for the first time

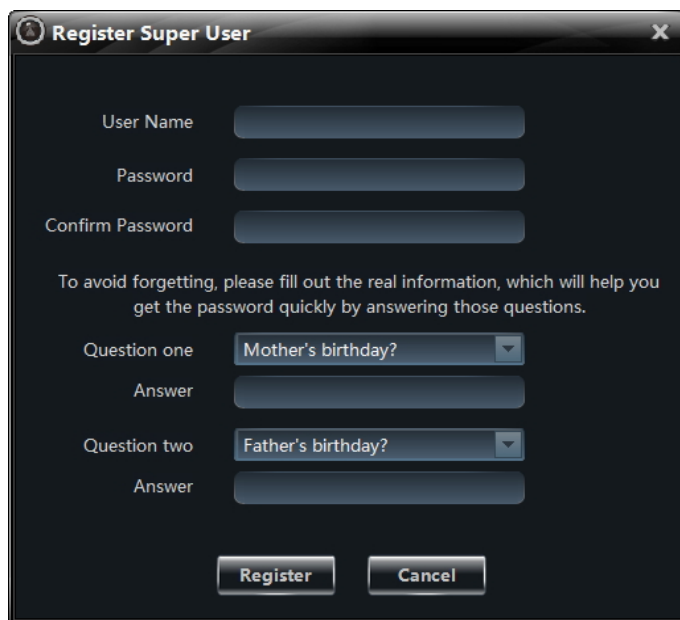
3.1 Software Installation

3.1.1 Register

If you run CamPro VMS for the first time, you need to register a super administrator. You shall self-define the username and password.

To avoid forgetting the password, you can set some questions and answers to help you find the password quickly.

After you set the username, password and the questions and answers, please click “**Register**” to register the super administrator

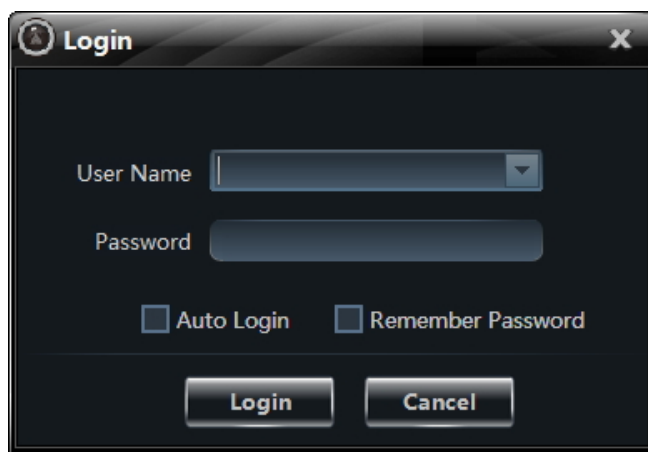


3.1.2 Login

Input the registered username and password and then click “**Login**” to enter into the software.

If checking “**Remember Password**”, there will be no need to input the password when you log in next time.

If checking “**Auto Login**”, it will log in as current user next time automatically.



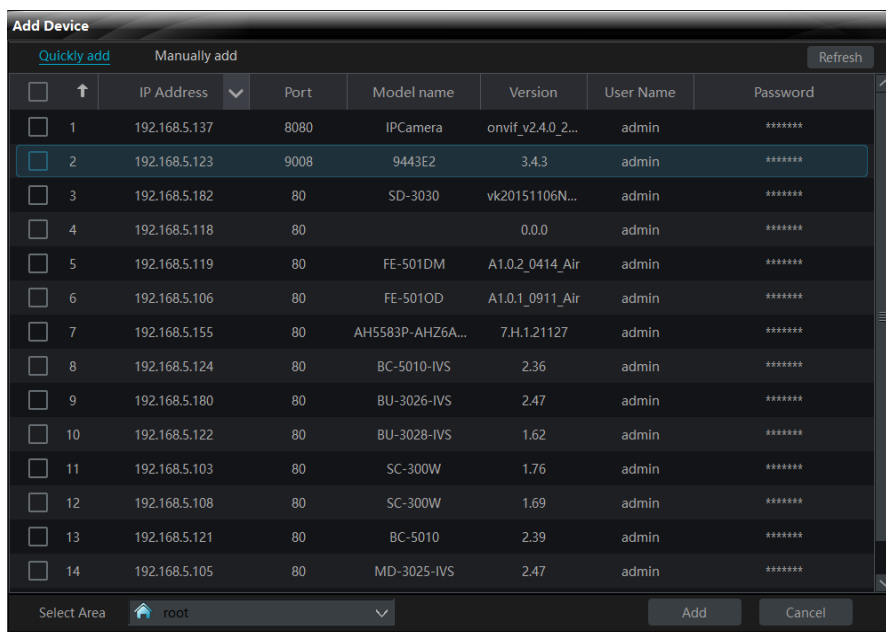
3.1.3 Successful login for the first time

After successful login, a window will pop up. Check the partition for storing record files and then click “**OK**” to save the settings.



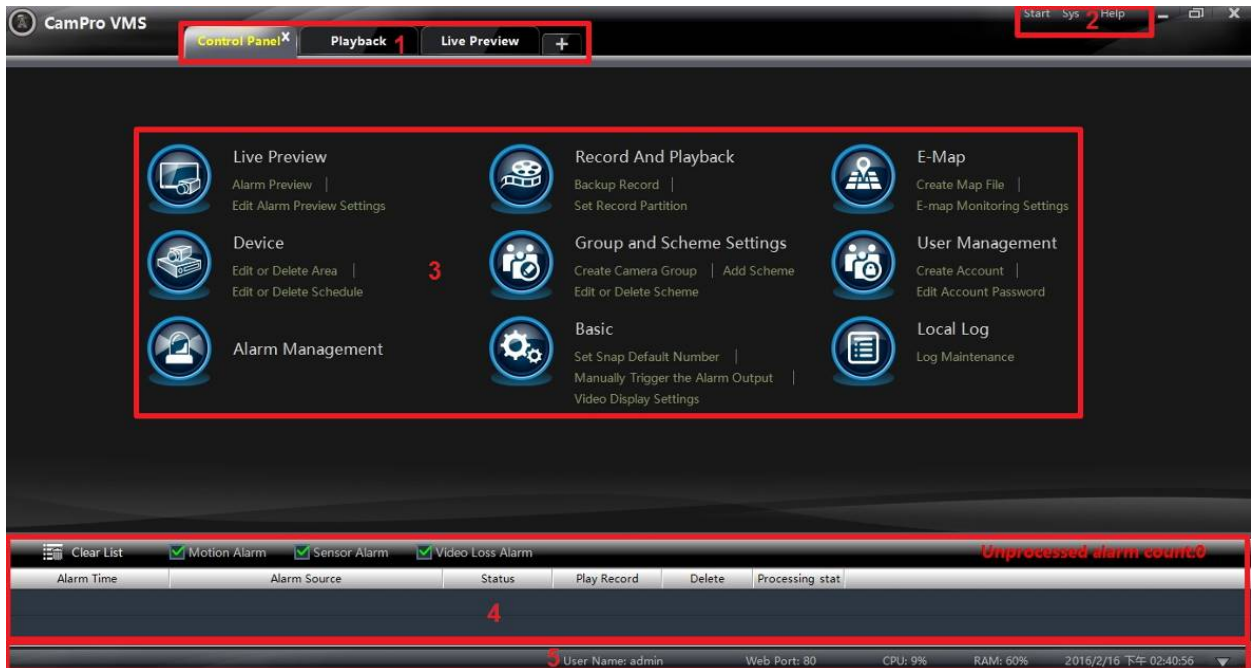
3.1.4 Add device

Next step, a window will pop up to choose devices. Check the devices for monitor and then click **“Add”** to save the settings.



3.2 Control Panel Instruction

The control panel of CamPro VMS is shown as below.












3.2.1 The main interface of CamPro VMS consists of five areas. The descriptions of each area are as follow.

Area	Description	Area	Description
1	Tab Bar (displaying the operated functions)	2	Menu Bar
3	Function Area	4	Alarm Information List
5	Status Bar		





3.2.2 Descriptions of Menu Bar

Menu	Description
Start	Including “Control Panel”, “Live Preview”, “Playback”, “Lock” and “Quit”.
View	Including “Live Preview”, “Control Panel”, “Local Log”, “E-map”, “Alarm Preview”, “Playback” and “Organize View”.
System	Including “Lock”, “Broadcast”, “Switch User”, “Edit Password”, “Export Configuration”, “Import Configuration”, “Batch Timing” and “Select Language”.
Help	Including “User Manual” and “About CAMPRO VMS”.

3.2.3 Descriptions of Function Area

Menu	Description
	Live Preview. To view live images and to record, snap and control PTZ, etc.
	Record And Playback. To remotely play the local record.
	E-map. To manage and display maps, hot zones and hot spots.
	Device. To create, modify or delete devices, areas and cameras.
	Group and Scheme Settings. To create, modify or delete camera groups and schemes.
	User Management. To add, modify or delete user and user permission.
	Alarm Management. To add or remove the sensor of the area; to set up alarm trigger and modify the area of the sensor.
	Basic. To setup record partition and path, system startup and maintenance & backup and restoration.
	Local Log. To search, view and backup local log.

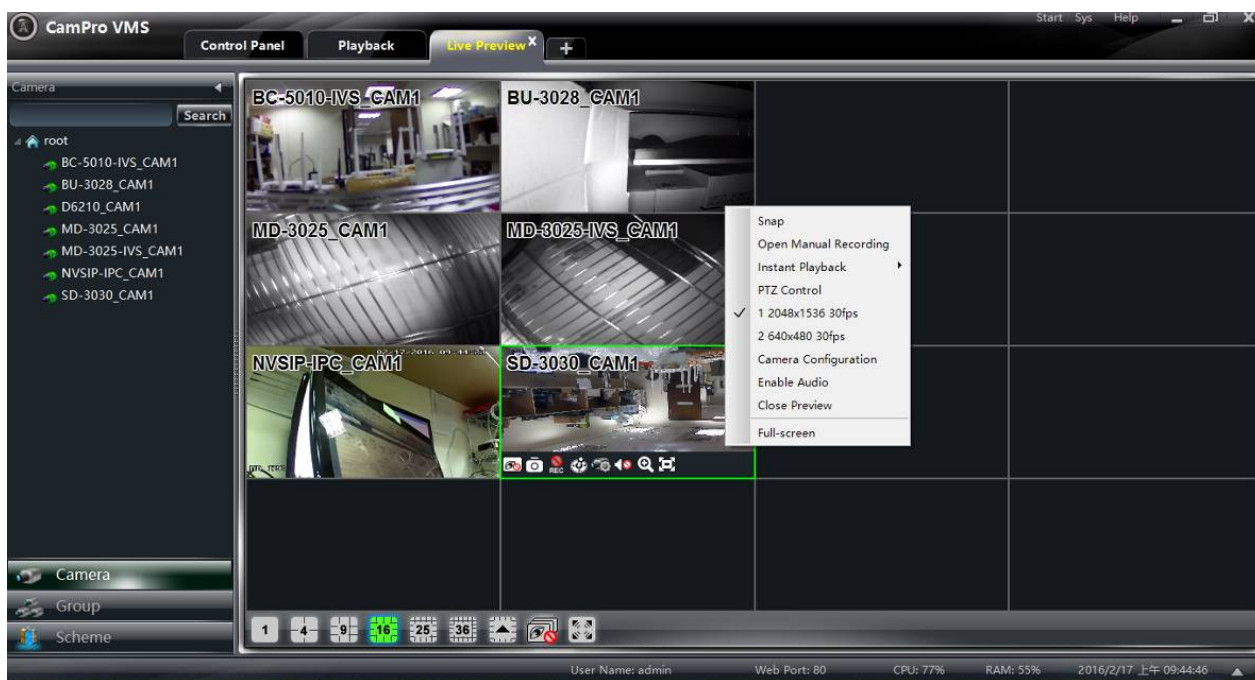
3.2.4 Descriptions of Function Area.

Button	Description
	Click it to hide the interface.
	Click it to zoom in/out the interface.
	Click it to exit CamPro VMS.
	Click it to extend or shrink the window (eg. Extend or shrink the alarm information list).

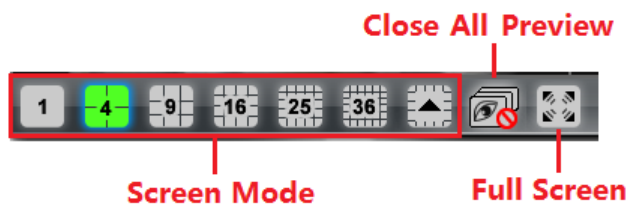
4

Live Preview









Click **Live Preview** in the control panel to go to the interface as shown below.



Buttons description of live preview:



Toolbar on the display window:

Icon	Description	Icon	Description
	Close image		Snapshot
	Start/stop manual recording		PTZ control. Clicking the icon will display the control panel of PTZ
	Camera configuration		Open/close audio
	Zoom in		Fit to window

Right button functions:

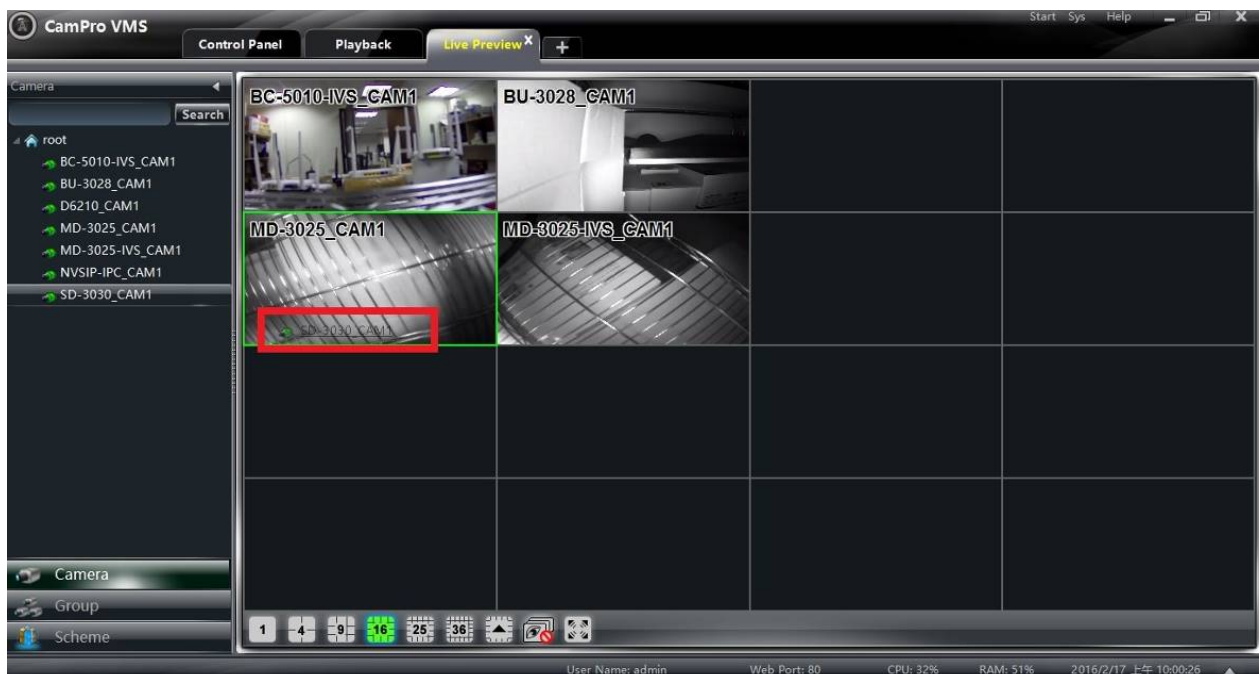
Menu	Description	Menu	Description
Snap	Snapshot picture	Open Manual Recording	Start manual record
Instant Playback	Click it to set the immediate replay time	PTZ Control	To display the control panel of PTZ
Stream	Choose stream to view	Camera Configuration	Enter the interface of the area and Camera
Enable Audio	Enable or close audio	Close Preview	Close single channel preview
Full Screen	To display in full screen		

4.1 Preview



4.1.1 Monitory Point Preview

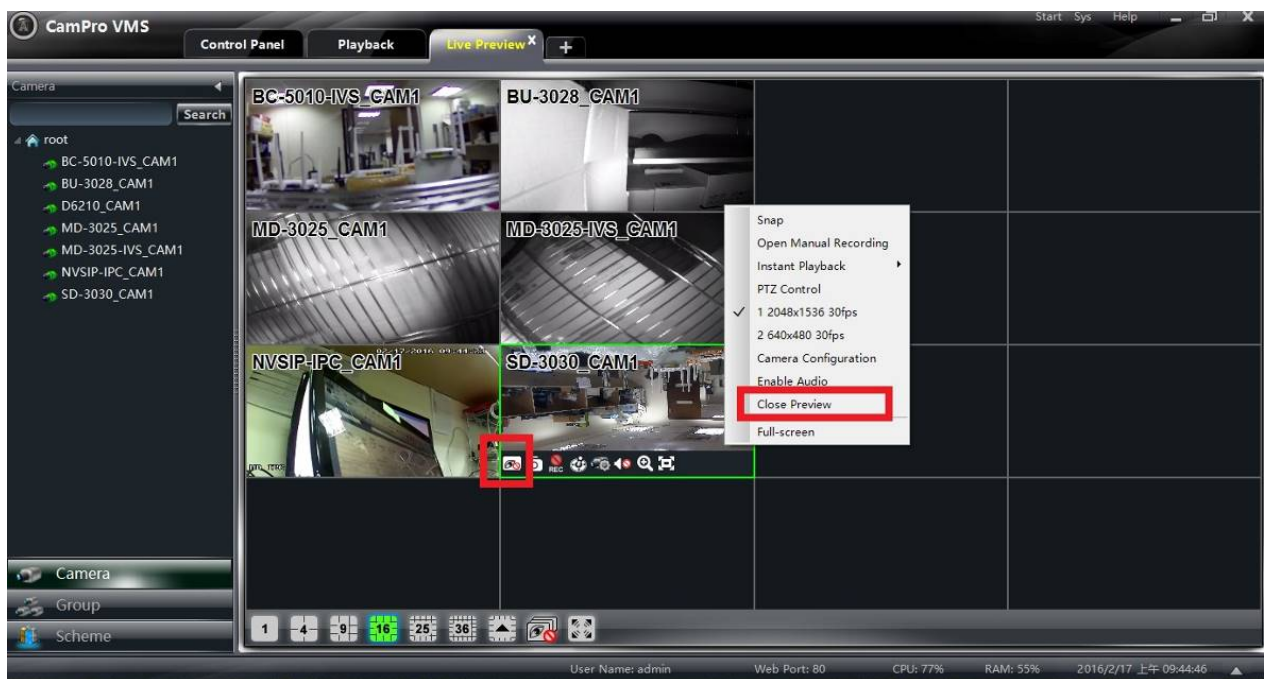
To start the live preview, please drag the cameras from the list to the right display window or select a window and then double click the camera to display the live image. You can drag the image to any window at random.

Note: Node unfold rule: After you set the device and area for the first time, you shall obey the following rule to view all tree nodes. When the tree node number is more than 64, the system will unfold the upper node by default. For example: A (There is camera group AC under A; sub-area a under AC; camera group ac under sub-area a). If the node number is more than 64, A will be unfolded and AC will be displayed, but a will not be unfolded and ac will not be displayed. If the node number of A is less than 64, A will be folded and all nodes need to be unfolded manually.



4.1.2 Stop preview


There are three models for stop Preview. 1. Place your mouse on the window to display the menu toolbar and then click  icon. 2. Click mouse right key and then choose "Close Preview" to close the preview of this channel. 3. Click  on the main menu toolbar to close all the windows.



4.2 Dwell Preview


If you have setup a group or scheme (please refer to chapter 9 for creating group), go to the live preview interface and then click "Group" or "Scheme" button on the left bottom of the interface to display the group list or scheme list

4.2.1 Group Dwell Preview

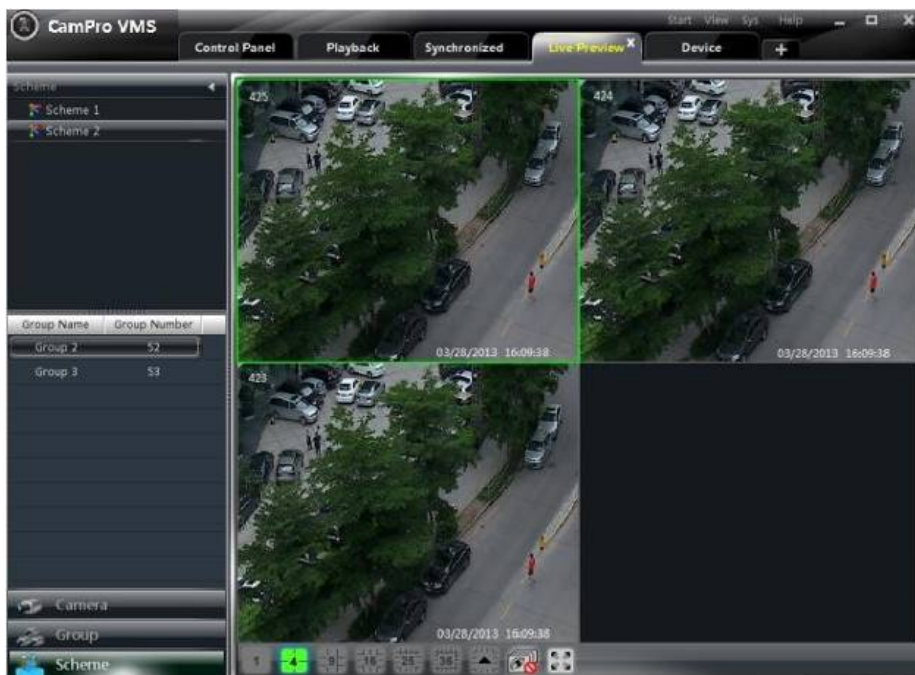
Go to the live preview interface and then click "Group" button to display the group list. Drag a group to any window ( icon stands for group). The cameras of this group will be played one by one in the window according to the dwell time interval.



4.2.2 Scheme Dwell Preview

Go to the live preview interface and then click “**Scheme**” button to display the scheme list. Drag a scheme to any window ( icon stands for scheme). The screen mode will be distributed automatically according to the number of the cameras in the group.

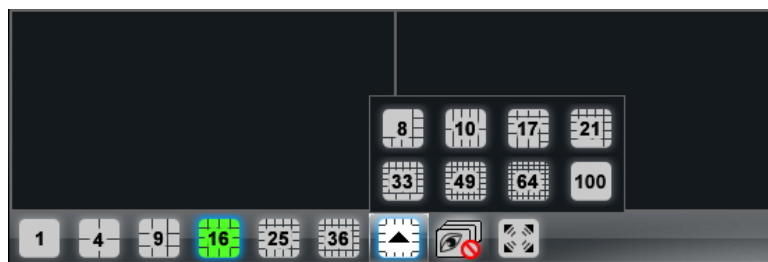
Note: To achieve dwell between devices, you should set device as a unit when adding group and then add all the groups into one scheme to dwell.




4.3 Button Function

4.3.1 Screen Mode

Click screen mode, you can choose the multi-screen.




4.3.2 Full Screen

Click  button on the live preview interface or right click on any preview window and then click **“Full Screen”** to view in full screen.

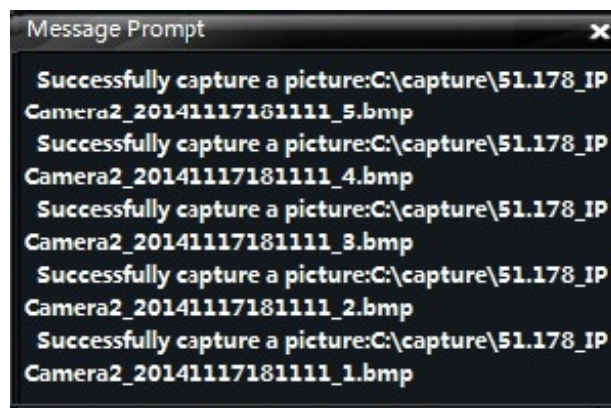
Right click on the full screen interface and then click **“Exit Full Screen”** to exit full screen.

4.4 Tool Bar function



4.4.1 Snap

Click  button on the toolbar in the selected preview window or right click the window to choose **Snap** to capture the pictures. After snapping pictures, a message prompt box will pop up to remind you the pictures are captured successfully and where the pictures are stored.

Note: Capturing pictures can be realized only in live preview or playback.




4.4.2 Manual Record

Select a channel and then click  button or right click to choose “**Open Manual Recording**” to start recording. Click  button or right click to choose “**Close the Manual Recording**” to stop recording.

Note: Capturing pictures can be realized only in live preview or playback.


4.4.3 PTZ

4.4.3.1 Parameter Configuration of PTZ


Please confirm the parameter of PTZ has been configured correctly before operating PTZ. Click  button in preview window or **Edit Camera Setting** under **Device** to go to the interface. Click **PTZ Setting** to enable PTZ and set up protocol, baud rate and address of PTZ.



Note: The protocol, baud rate and address of PTZ here must be consistent with the PTZ decoder

4.4.3.2 PTZ control

Return to the live preview interface after configuring parameter of PTZ. Select the channel and then click  or right click the preview window and then choose **PTZ Control** to open the control panel of PTZ.

Click the direction buttons to control its rotational direction; drag the slider to control its speed.

Select a preset point and then click  to operate this preset point or double click the preset point to operate it.


Click “Cruise” button to list the cruises. Select a cruise and click  button to cruise; click  button to stop cruising. PTZ can also support track, auto scan, wiper and light function.



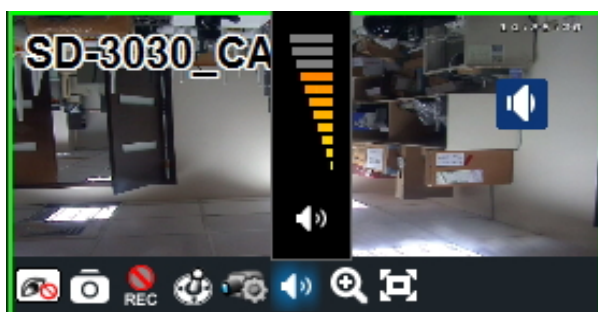
4.4.4 Camera configuration

Click this icon to camera management. Please check chapter 7.3 for the detail.



4.4.5 Audio

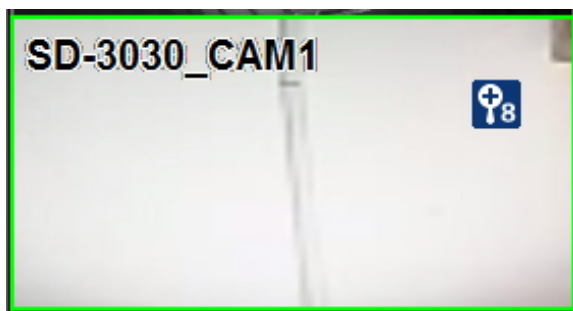
Right click on the preview window to choose “**Enable Audio**” or click  icon to enable audio of this channel.

Note: Only one audio can be enabled at the same time. If you enable another channel’s audio, the enabled audio will be closed automatically.



4.4.6 Zoom in

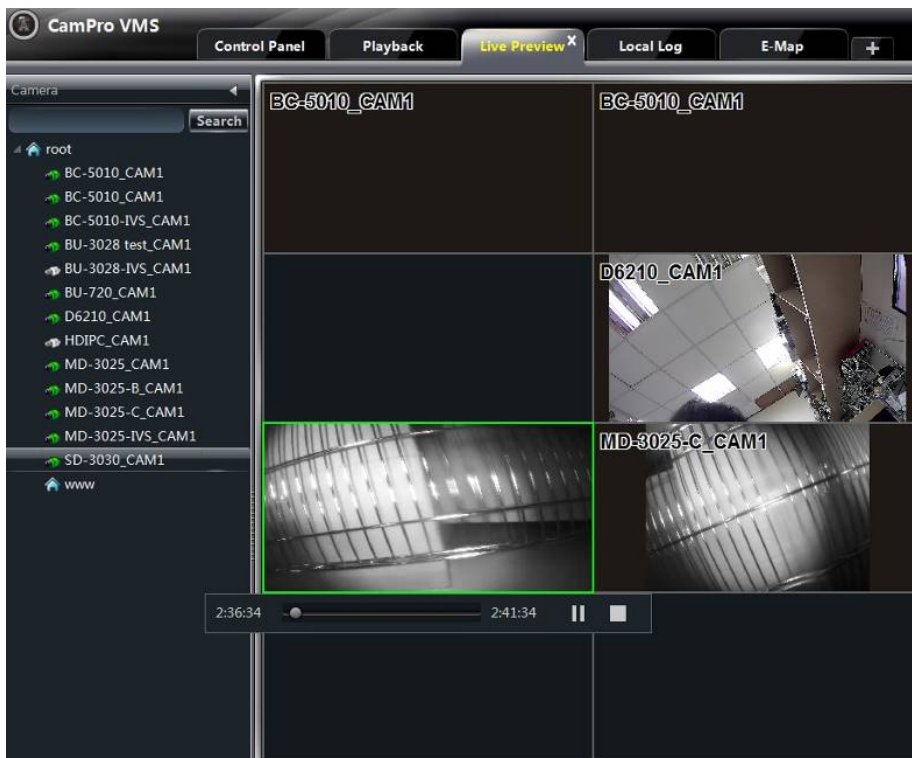
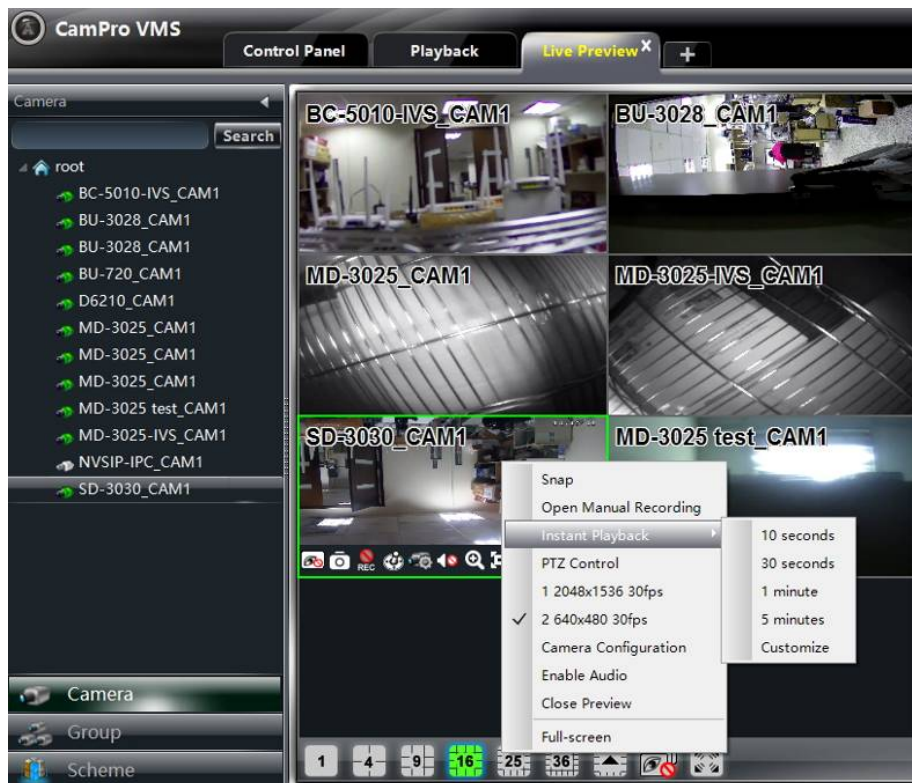
Click  button on the toolbar in the preview window to zoom in the image; click  to recover the image.



4.5 Right button functions


4.5.1 Instant Play back

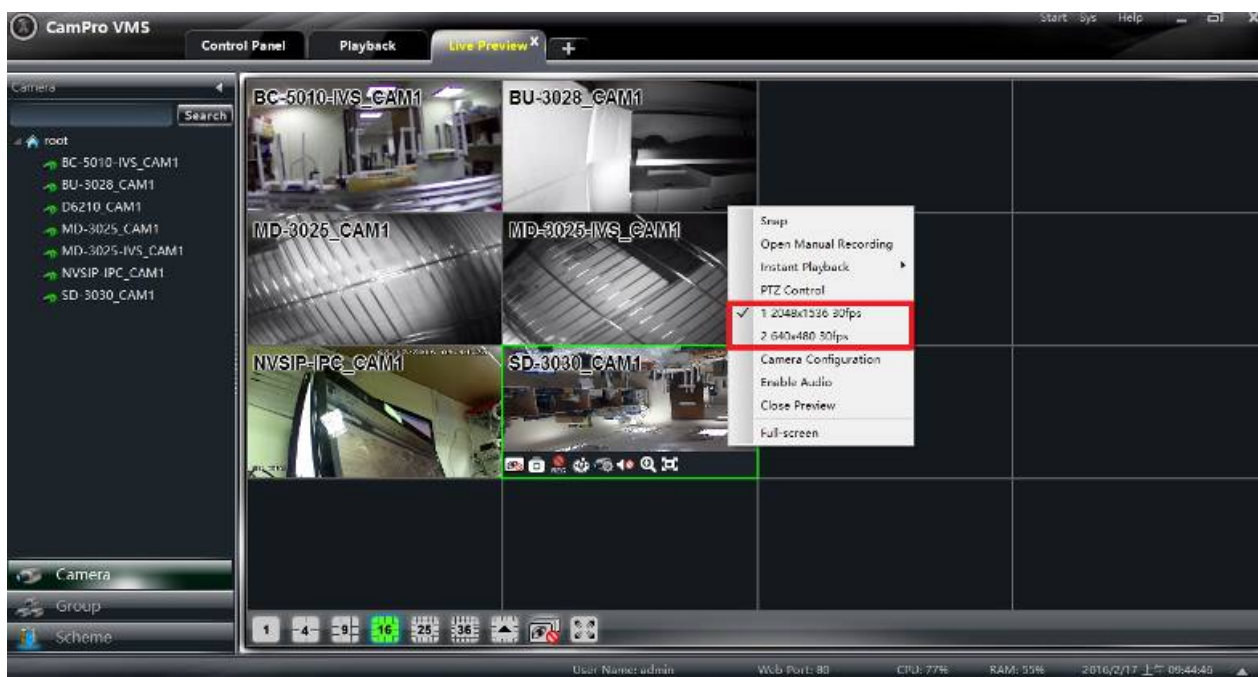
Right click on the preview window to choose “**Instant Playback**”. You can choose different time for play back.



4.5.2 Stream of Live Preview

Right click on the preview window to choose recording stream as shown on the right. Live preview adopts stream self-adaptive rule.



Modify Device Stream: Click  button on the preview window to enter the **Area and Camera Management** interface. Click **Image Quality** under Image Setting to modify device stream.



5

Record Management

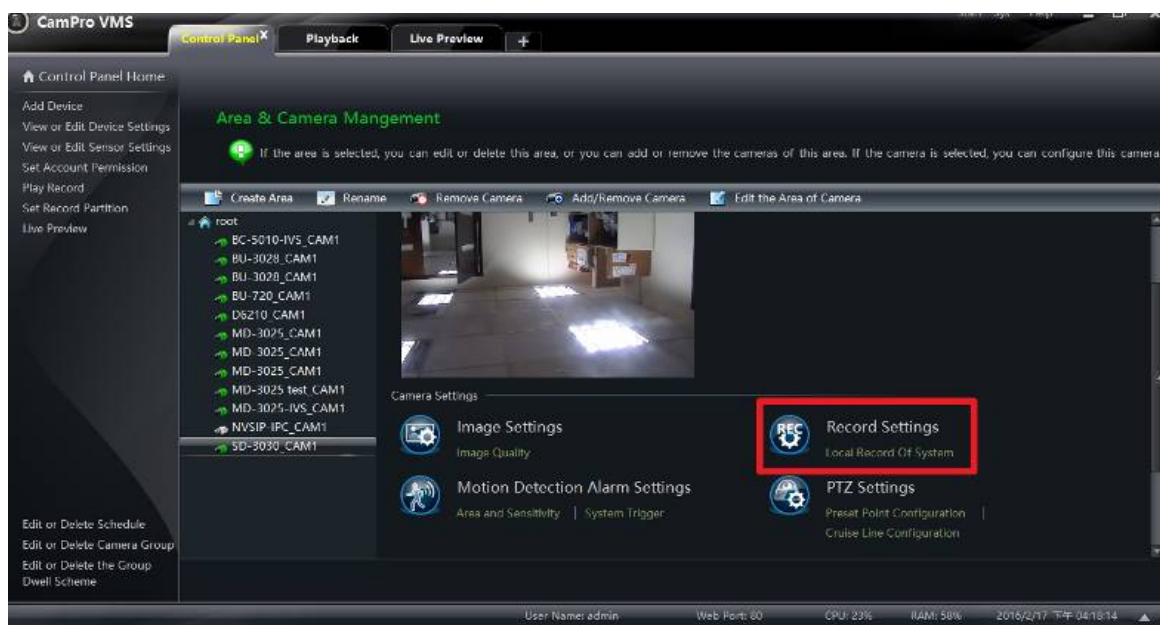
5.1 Manual Recording

Select a channel and then click  button or right click to choose “**Open Manual Record**” to start recording. Click  button or right click to choose “**Close the Manual Recording**” to stop recording.

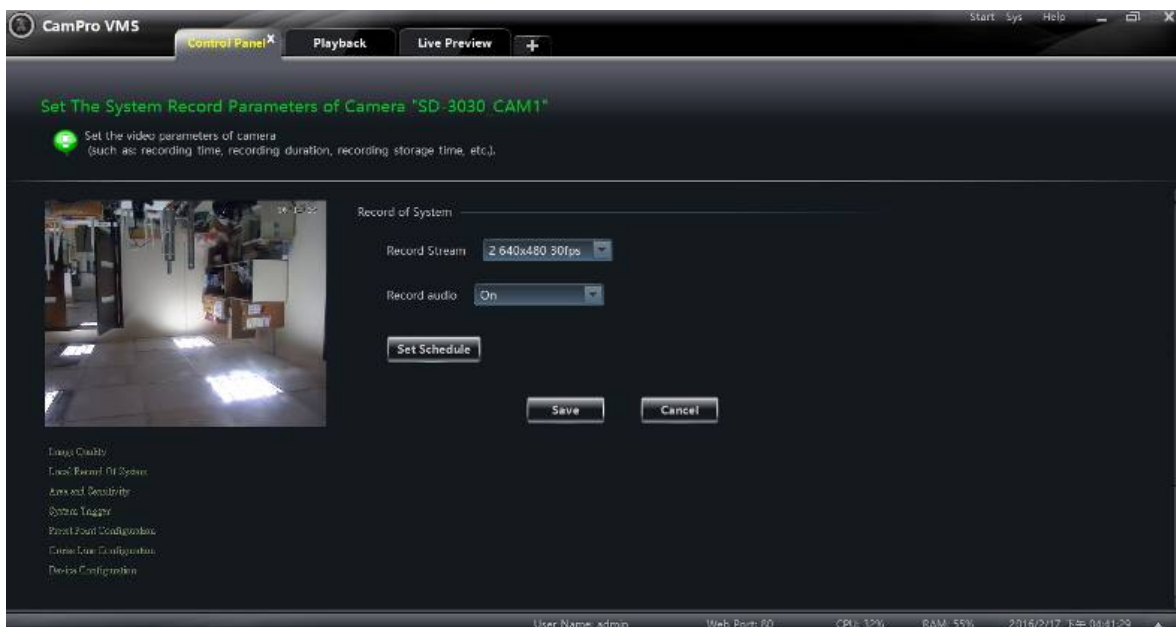
Note: *If a channel is recording, closing preview will give rise to stopping it.*

5.2 Schedule Recording

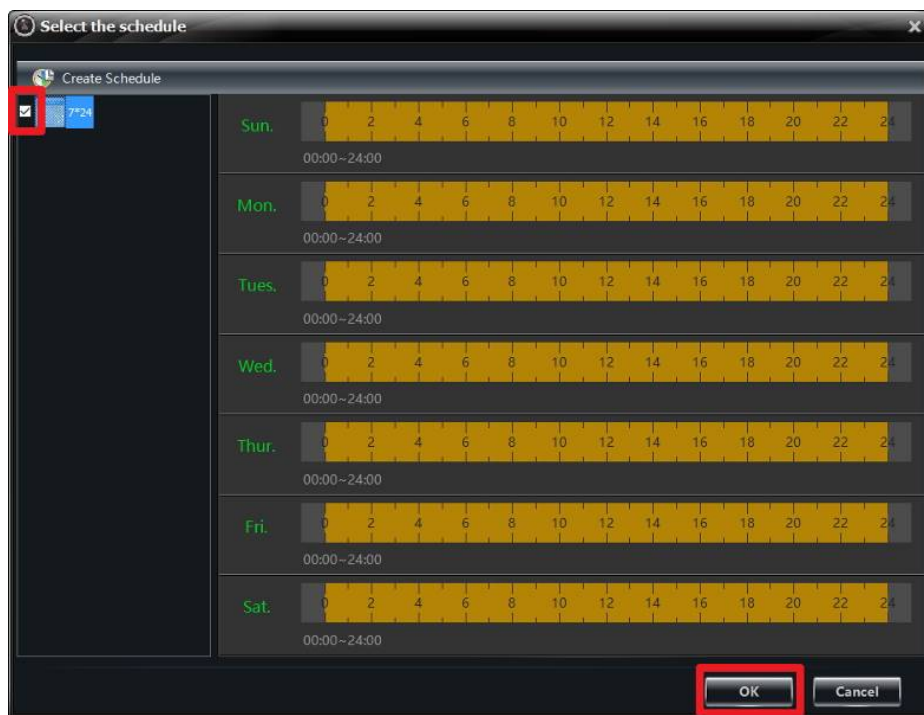
Click Edit or Delete Area in the control panel and then select the device to the interface as shown below.



Click the **“Record Settings”**. In this interface you can modify the Record Stream and Turn on/off the Record audio.

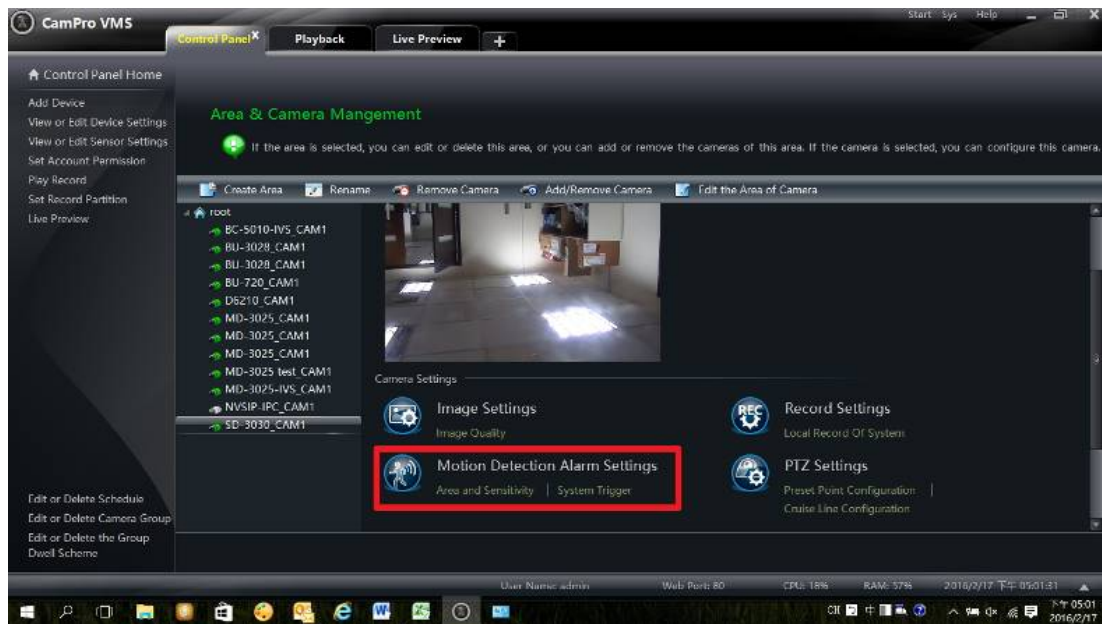


Click the **“Set Schedule”** and then select one schedule. Then click **“OK”** and **“Save”**.



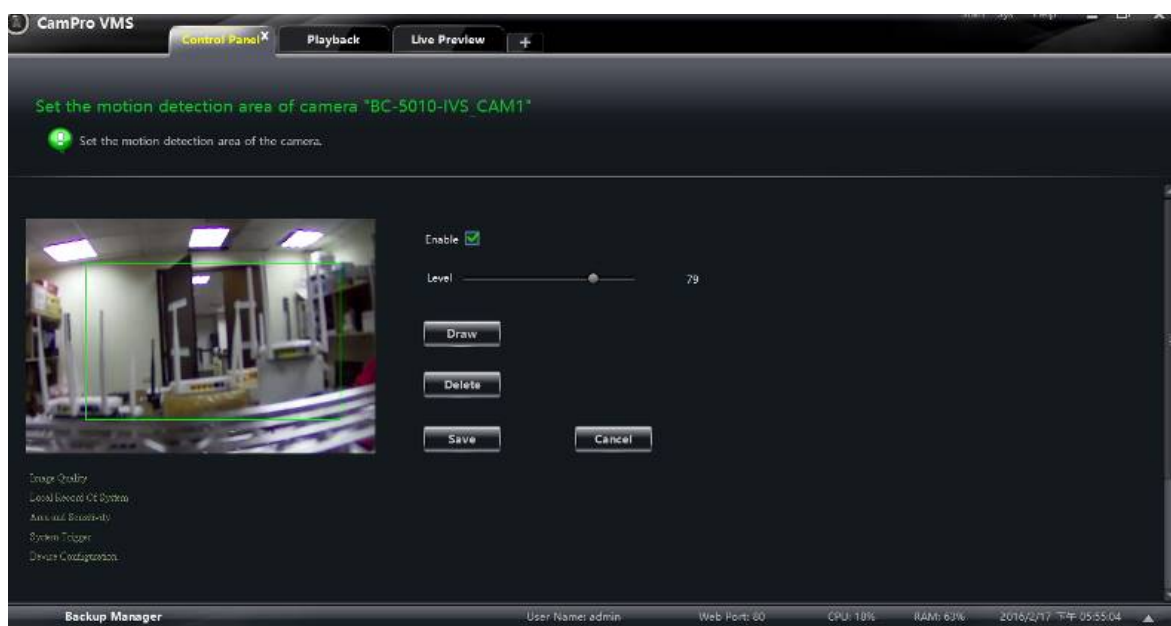
5.3 Motion Detection Recording

Click Edit or Delete Area in the control panel and then select the device to the interface as shown on the below.



5.3.1 Area and Sensitivity

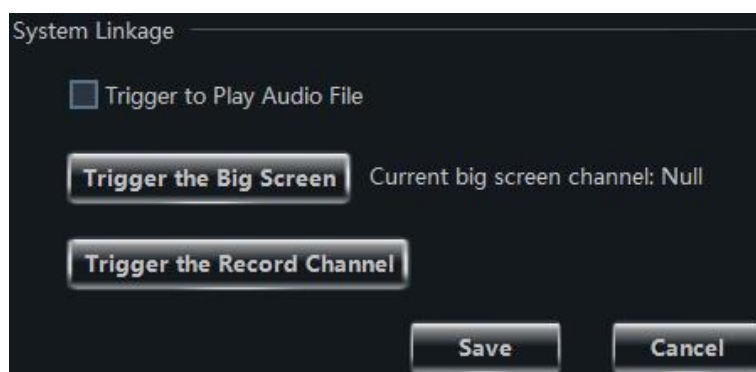
Click “Area and Sensitivity” to setup Motion detection area and sensitivity as below interface.



5.3.2 Setup system trigger

Click “**System Trigger**” under Motion Detection Alarm Settings to go to the interface as shown below.

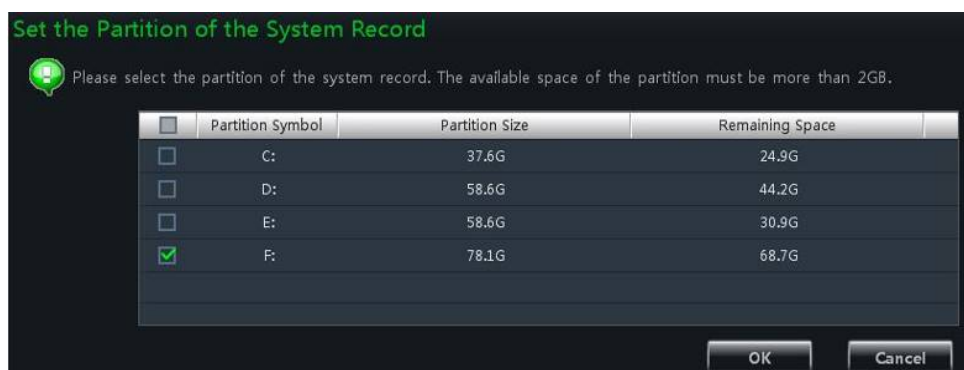
Click “**Trigger the Record Channel**” to select channel. The selected channel whose motion detection alarm is triggered will be recorded automatically.



5.4 Set Record Partition

As the new video data getting more and more till it takes up all the partition space, to write data circularly, the new data will overwrite the old data. If you do not want the old data to be overwritten, you should change the record partition of the new data. Click Set Record Partition under Playback in the control panel to go to the interface as shown below.

Choose a partition for storing record.



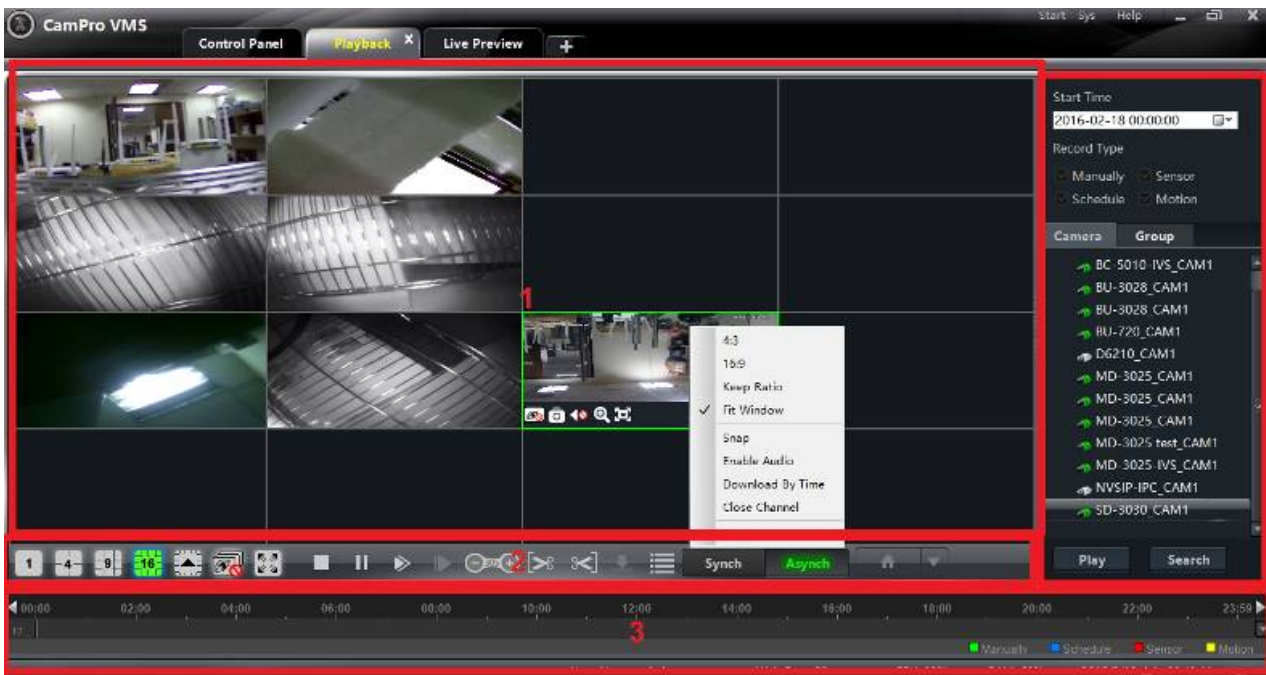
6

Playback Management

6.1 Icon Instruction

Click **Playback** in the control panel to go to the interface. You can play back the local stored record files

Record playback interface has two types: synchronous and asynchronous. Here we take the synchronous as an example.








6.1.1 Area 1 Descript








Area	Description	Area	Description
1	Playback Area	2	Toolbar










3	Record time Area	4	Resources Area, Time search or type search Area
---	------------------	---	---

6.1.2 Toolbar on Playback Window

Icon	Description	Icon	Description
	Close playback		Snap
	Open/close audio		Zoom in
	Fit to window		

6.1.3 Buttons Description of Area 2

Icon	Description
	Screen mode. 1,4,9,16,25 channels are optional. You can get more screen mode by clicking  .
	Close playback of all channels
	Full screen
	Stop
	Pause
	Playback speed bar







	Playback by single frame. When playback, click  button firstly and then click this button to play frame by frame.
	Forward 30s or backward 30s
	Backup the start time
	Backup the end time
	Download
	Event list. Click this button to pop up the event list
	Record playback model. Synchronous and asynchronous
	Playback source setup

6.1.4 Right button functions

Menu	Description	Menu	Description
4:3	4:3 proportion	16:9	16:9 proportion
Keep Ratio	Recover to the original proportion	Fit Window	Full screen mode
Snap	Snap picture	Enable Audio	Enable or close audio
Download By Time	To download record by time search	Close Channel	Close single channel preview
Full-Screen	To display in full screen		

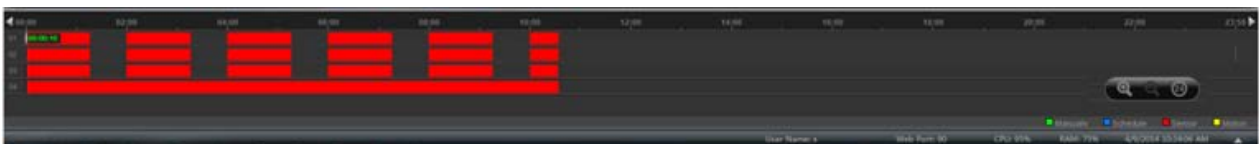
6.2 Playback




Set record date, record type and the record playback source in the playback interface.

The way to set record playback source: click  in  on the toolbar of record playback interface; choose the record playback source in the drop-down menu  stands for local playback;  stands for remote playback;  stands for all playback. Drag the camera on the right side to playback window for playing. You can also select a camera and then click “**Search**” button to search the record file. Click  button or “**Play**” button to play back the record.

Playback record type includes manual recording, motion detection recording, schedule recording and sensor recording.

In the timeline, green bar stands for manual recording data; yellow bar stands for motion recording data; blue bar stands for schedule recording data; red bar stands for sensor record data.



You can zoom in the time scale by clicking  on the lower right corner, zoom out the time scale by clicking  and recover the time scale to 24 hours by clicking . When the time scale is zoomed in, you can drag the timeline to see the time spots. By pressing the Ctrl key and scrolling up or down the mouse you can also zoom in or zoom out the time scale.

6.2.1 Playback Synchronously

Synchronous Playback: in a certain time, all channels play back its record at the same time spot together; if one channel has no record data at this time spot, this channel will be waiting.

Click **Synch** on the toolbar in the playback interface to go to the synchronous playback interface. You can play the record according to the ways introduced in [Section 8.1](#). In synchronous mode, one camera can only have one play window. You can view all cameras' record information at the same time. When playing record file in synchronous mode or asynchronous mode, clicking **Synch** or **Asynch** will be useless unless you close all the playback windows

6.2.2 Playback Asynchronously

Asynchronous Playback: when playing some channel's record at the same time, each channel is independent from the others and each channel's playback time can be different.

Click **Asynch** to go to the asynchronous playback interface as shown below. You can play the record according to the ways introduced in [Section 8.1](#).




Note:


Asynchronous mode: if remote playback or all playback source is selected, due to the remote channel number restriction of the device, one device can only play back up to 4 channels' record at the same time generally.


Synchronous mode: if remote playback or all playback source is selected, it has no restriction in the playback channel number of one device at the same time. For example, a 16 channel's DVR can play back 16 channels' record at the same time

6.2.3 Playback by Setting Time

Right click the color bar on the time scale to pop up the ***Play time precise positioning of the channel X*** box. Click the box to pop up a window as shown on the right. Input time manually or click  button to set time. The channel record will be played from the time you set.


6.2.4 Playback by Search Event

Click  button to display the event list. Double click an event to play this event record.

Note: By clicking the timeline, you can choose a more accurate playback time. You may also click  and then select the speed in the popup bar




 to change the playback speed.

6.3 Snap When Playback

Click  button on the playback window to capture pictures. A message prompt will pop up after snapping

6.4 Clip and Backup Record

6.4.1 Clip and Backup Record

When playing back record file, click  button to set the start time; click  button to set the end time. Click  button to download the video files within the configured time.

Note: The default path is C:\backup\.

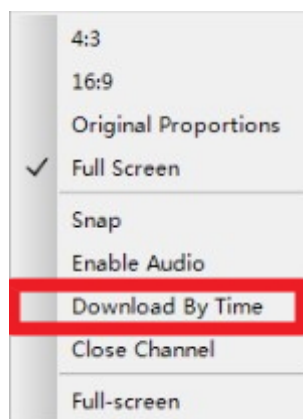
6.4.2 Backup Path Configuration

Click **Basic** in the control panel to go to the interface and then click **Path of Backup File** to set the backup path as shown below.

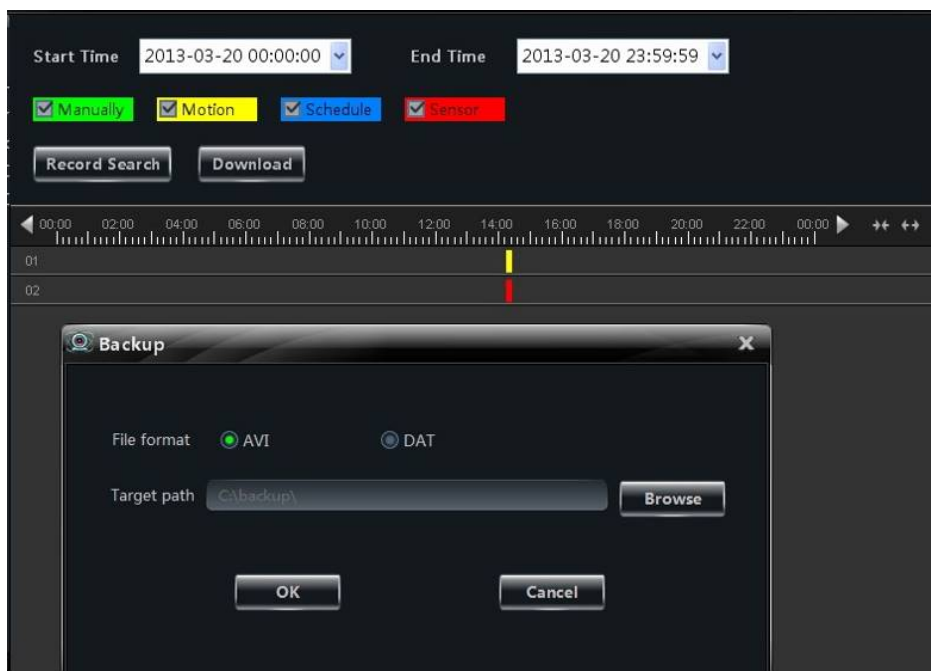


6.5 Download Record By Time Search


Right click the playback window in the playback interface to pop up a drop-down list as shown below.



Click Download By Time to pop up a window as shown below. Select record channel, start time and end time, check event type and then click “**Record Search**” button to search record. If the record is searched, click “**Download**” button to pop up the backup window as shown above. AVI and DAT backup formats are available (the DAT format is the private format of DVR and the backup files of this format should be played by the player of the DVR). Click “**Browse**” button to set path. Click “**OK**” button to back up record.




6.6 Download Record by Event Search

Click  button to show event information list. Choose an event and then right click it to download this event record.

7




Device Management

Click  in the control panel to go to the device management interface as shown below. In the interface, you can view the device type, IP address/domain name, online status, disk status, record status and alarm status of all the added devices.

Add, Edit or Delete Device

Add device or select the device from the list to edit or delete. The changing item contains the local configuration of the device.

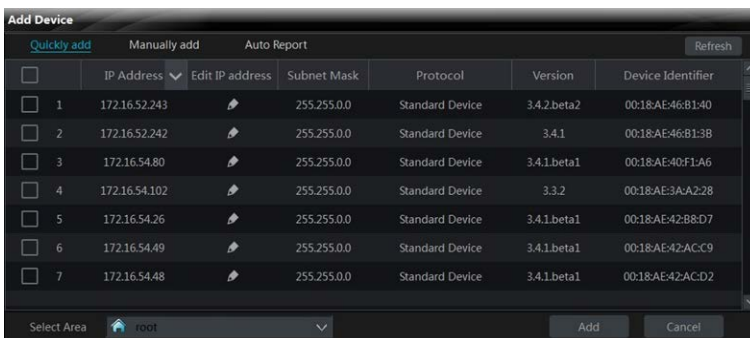
Device Name	Type	IP Address/Domain Na	Online state	Disk state	Rec state	Alarm state
<input type="checkbox"/> New Device001	DVR	192.168.122.36				
<input type="checkbox"/> New Device002	IPC	192.168.12.19				
<input type="checkbox"/> New Device003	IPC	192.168.12.158				
<input type="checkbox"/> New Device004	IPC	192.168.10.5				
<input type="checkbox"/> New Device005	IPC	192.168.12.89				
<input type="checkbox"/> New Device006	IPC	192.168.10.3				
<input type="checkbox"/> New Device007	IPC	192.168.10.16				
<input type="checkbox"/> New Device008	IPC	192.168.10.4				
<input type="checkbox"/> New Device009	IPC	192.168.12.160				
<input type="checkbox"/> New Device010	IPC	192.168.12.199				
<input type="checkbox"/> New Device011	IPC	192.168.10.7				
<input type="checkbox"/> New Device012	IPC	192.168.122.110				






Click disk status icon  to view the disk abnormal records of the device; click  to view the video records; click  to view the alarm records and then click the unprocessed alarm record to process it.

Right click a title bar of the device list to pop up a menu list. You can check the menus in the list to show other device information including **“Number of Camera”**, **“Number of Alarm Input”**, **“Number of Alarm Output”**, **“Device Number”** and **“Port”**.

7.1 Add Devices

Click **“Add Device”** button in the above interface to pop up the following window. The VMS system will automatically search the online device in the same local area network. You may click **“Manually Add”** to add third party devices.



Click **“Version”**, **“Device Identifier”** or  title bar to show icon  or . The sequence of the device in the list will be changed by clicking  or .

7.1.1 Quickly Add:

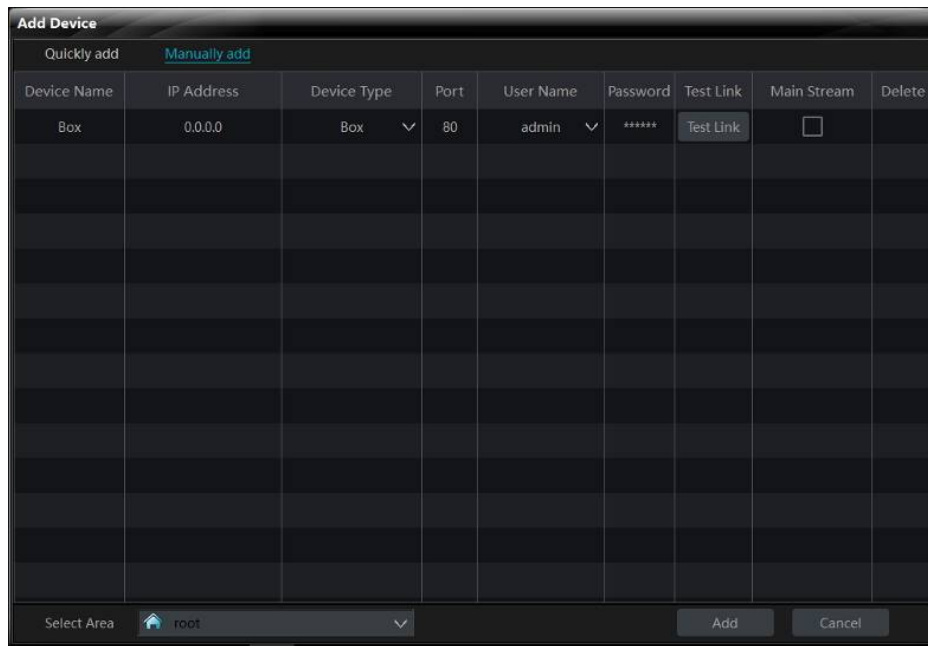
In the above interface, click the **“Refresh”** button on the top right corner to quickly refresh the online device in the same local area network.


Check the searched devices, select the area on the down left corner and then click **“Add”** to add the device.

Filter IP Address: Click  on the **“IP Address”** title bar. Check **“Filter condition”**, input the **“Start IP address”** and **“End IP address”** and then click **“OK”** button to save the settings. The device list will filter the devices according to your settings.

7.1.2 Manually Add

Click **“Manually add”** menu to go to the window as shown below.

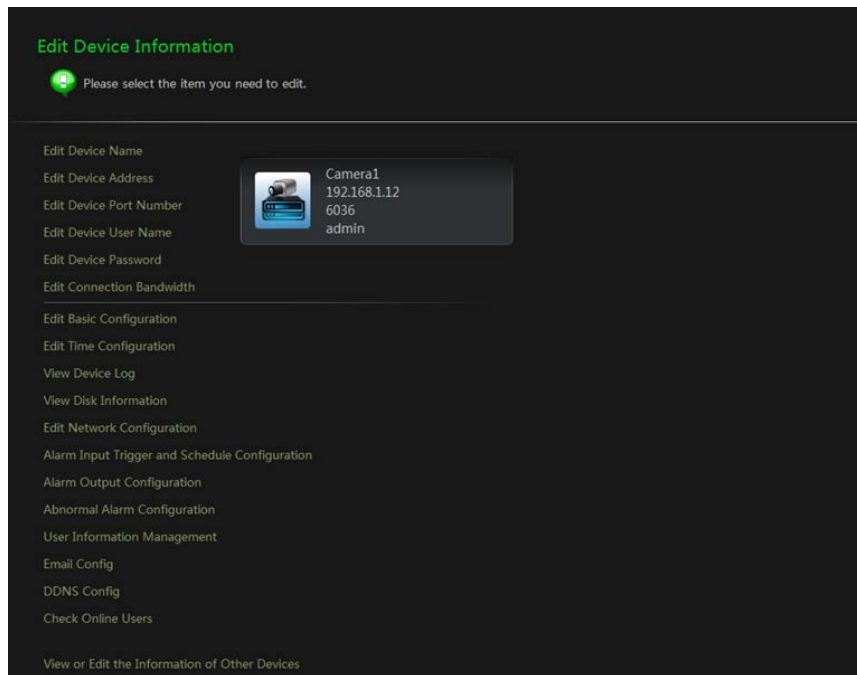


Input the “**Device Name**”, “**IP**”, “**Port**”, “**User Name**” and “**Password**” of the device. Select the “**Device Type**” and the area. Click “**Test Link**” button to test the connection of the device. Click  in the “Delete” column to delete the device. Check “**Main Stream**” according to the actual network situation. Checking it or not will affect the record stream of live preview. Click “**Add**” button to add the device.

7.2 Edit Device Information

Select a device in the “**Add, Edit or Delete Device**” interface and then click “**Delete**” button to delete the device.

Select a device and then click “**Edit**” button to go to the interface as shown below.



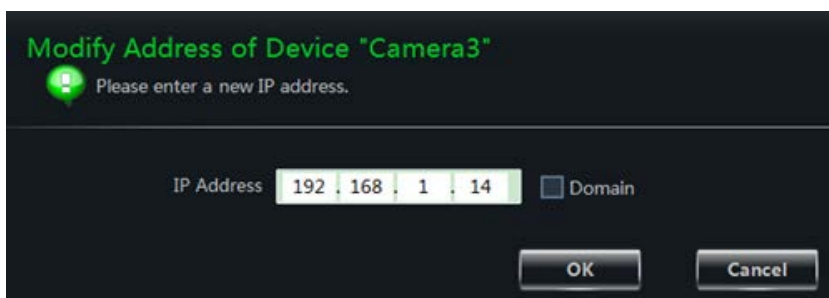
7.2.1 Edit Device Name

Click **Edit Device Name** to go to the interface as shown on the right. Set a new device name and then click “OK” button to save the settings.



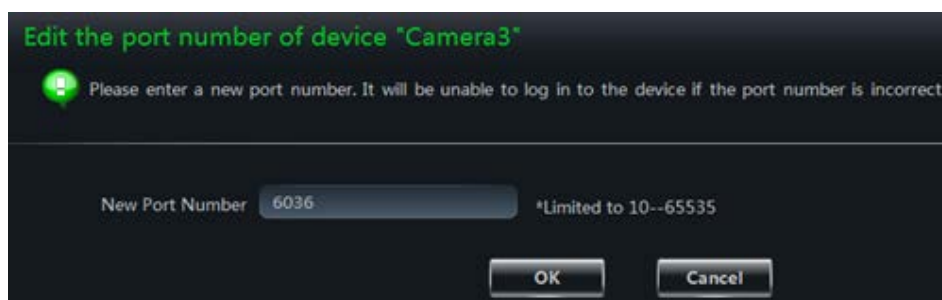
7.2.2 Edit Device Address

Click **Edit Device Address** to go to the interface as shown on the right. Input the new IP address or domain if you check “Domain”. Click “OK” button to save the settings.



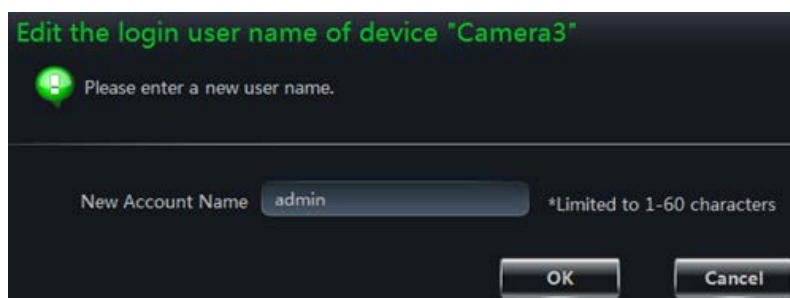
7.2.3 Edit Device Port Number

Click **Edit Device Port Number** to go to the interface as shown on the right. Input the new port number and then click “OK” button to save the settings.



7.2.4 Edit Device User Name

Click **Edit Device User Name** to go to the interface as shown on the right. Input the new username and then click “OK” button to save the settings.



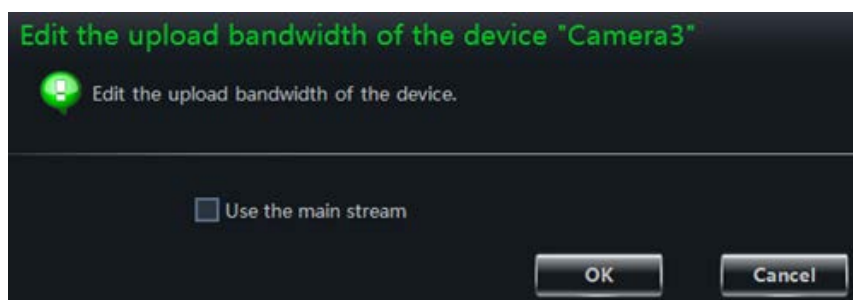
7.2.5 Edit Device Password

Click **Edit Device Password** to go to the interface as shown on the right. Set the new password and then click “OK” button to save the settings.



7.2.6 Edit Connection Bandwidth

Click **Edit Connection Bandwidth** to go to the interface as shown on the right. Check **“Use the main stream”** as required. Checking if it will affect the record stream of live preview or not.



7.2.7 Edit Time Configuration

Click **Edit Time Configuration** to go to the interface as shown on below. Set the time zone of the device and check **“DST”** as required. Synchronize the time of the device manually or by NTP server and then click **“Save”** to save the settings.

Manually: Click **“Manual Input”** button to pop up a window and then manually input the time in the window. You can also check **“Sync Time with PC”** to synchronize the time with PC. Click **“Save”** button to save the settings.

By NTP Server: Check **“Sync Time with NTP Server”** and then input the NTP server address.



Time Configuration of Device "SD-3030"

Configure the date and the time.

Time Zone: GMT+08 Beijing, Hong Kong, Shanghai, T

Sync Time with NTP Server

NTP Server: time.windows.com

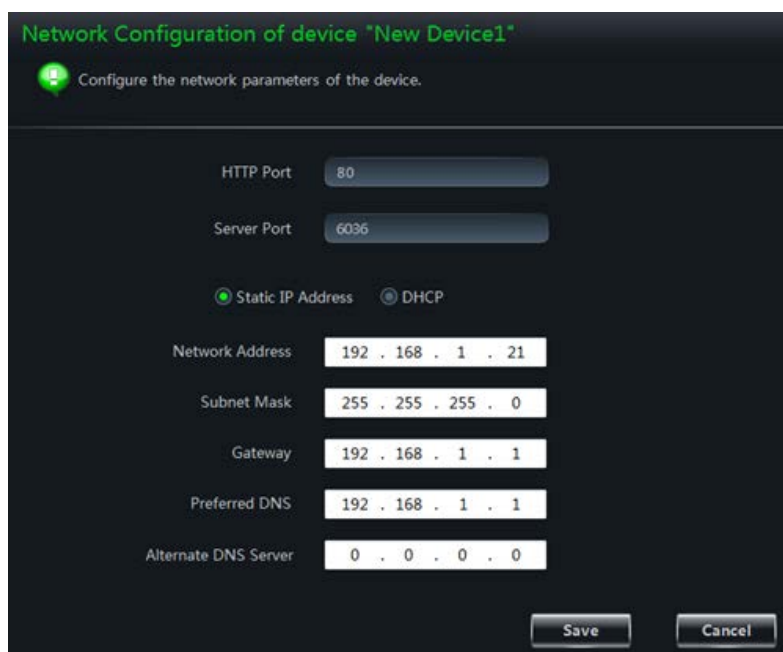
DST Settings

DST

7.2.8 Edit Network Configuration

Click **Edit Network Configuration** to go to the interface as shown on the right. Set the HTTP port and server port. You can select **"Static IP Address"** and then input the network parameters manually or select DHCP to obtain the network parameters automatically.

Note: If the port and the IP address are changed here, the device will be offline. You need to modify the port and IP address of the device. See **Edit Device Address** and **Edit Device Port Number** for details.



Network Configuration of device "New Device1"

Configure the network parameters of the device.

HTTP Port: 80

Server Port: 6036

Static IP Address DHCP

Network Address: 192 . 168 . 1 . 21

Subnet Mask: 255 . 255 . 255 . 0

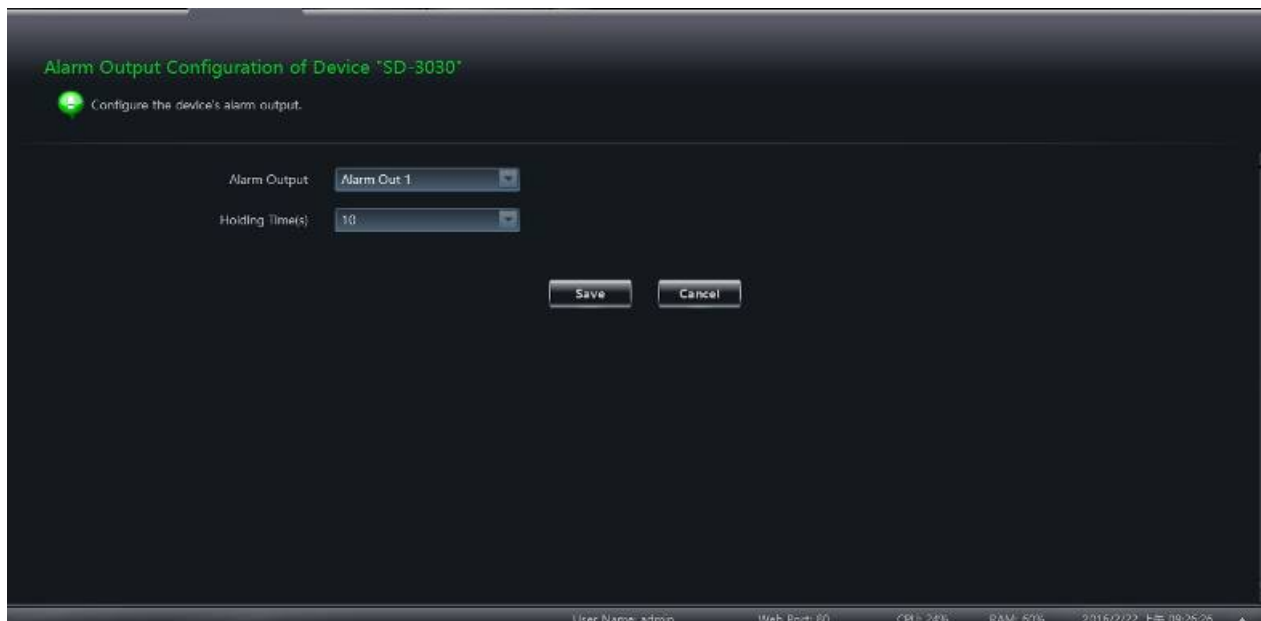
Gateway: 192 . 168 . 1 . 1

Preferred DNS: 192 . 168 . 1 . 1

Alternate DNS Server: 0 . 0 . 0 . 0

7.2.9 Alarm Output Configuration

Click **Alarm Output Configuration** to go to the interface as shown on the right. Select an alarm output and then set the output name and holding times for it. Click **“Save”** button to save the settings.



7.3 Area and Camera Management

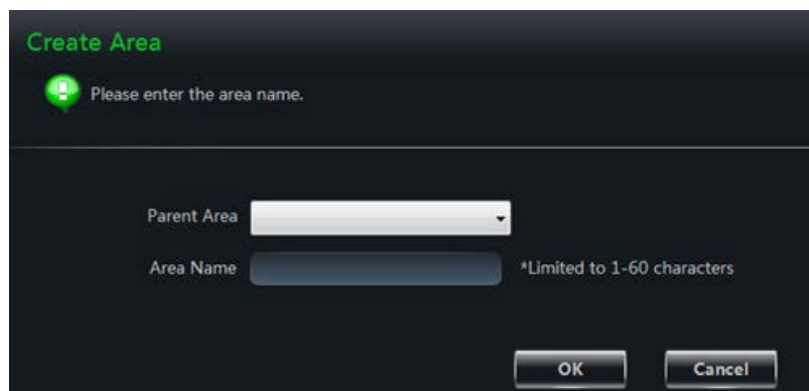
Click Area & Camera Management under the Device in the control panel to go to the interface as shown below and then select a camera in the interface to show its camera settings.

The camera without some functions will not display the relative setting sheets and links



7.3.1 Area Management.

Click **“Create Area”** button to create an area. Refer to the figure below.



Select an area and then click **“Rename”** button to change its name. Select an area and then click **“Delete Area”** button to delete it.



Select an area and then click “**Add/Remove Camera**” to go to the interface as shown on the right. Check the camera on the left and then click **>>** to add the camera to the area. Check the camera on the right and then click **<<** to remove the camera from the area.

Select a camera and then click “**Edit the Area of Camera**” to change the area of this camera.



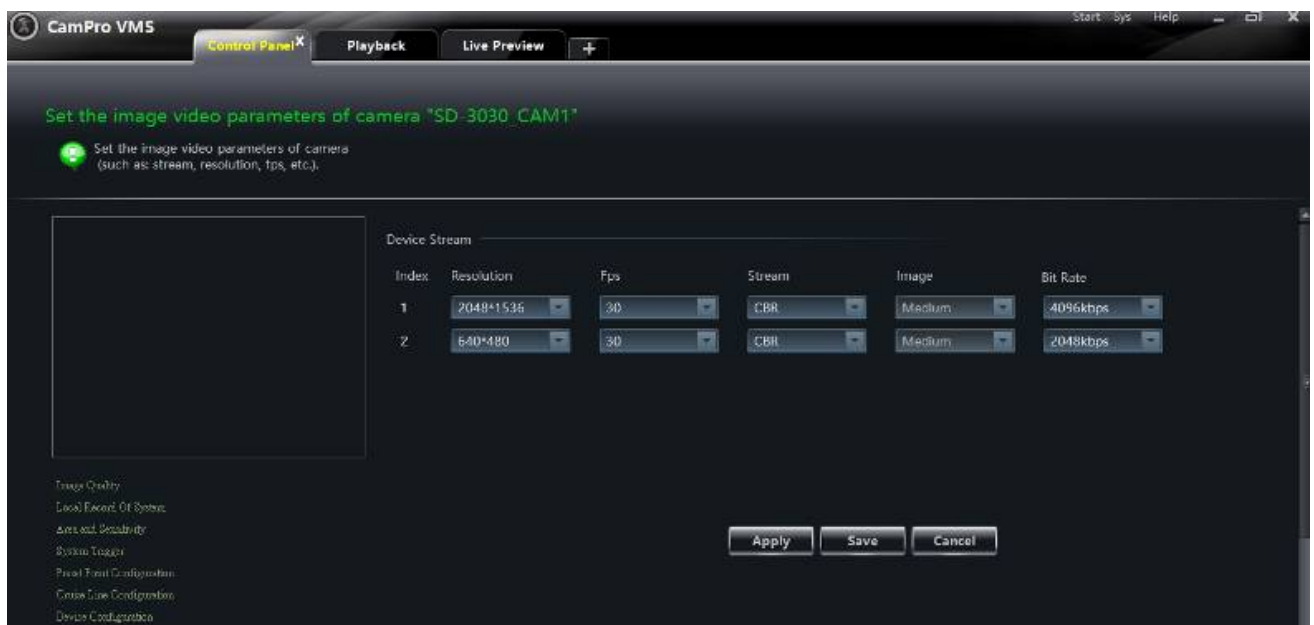
7.3.2 Camera Management

The real-time image will be displayed after selecting a camera. You can set up the parameters of this camera.

7.3.2.1 Image Settings

Click **Image Quality** to go to the interface as shown below.

Choose the resolution, fps, stream, image and bitrate according to practical situation.



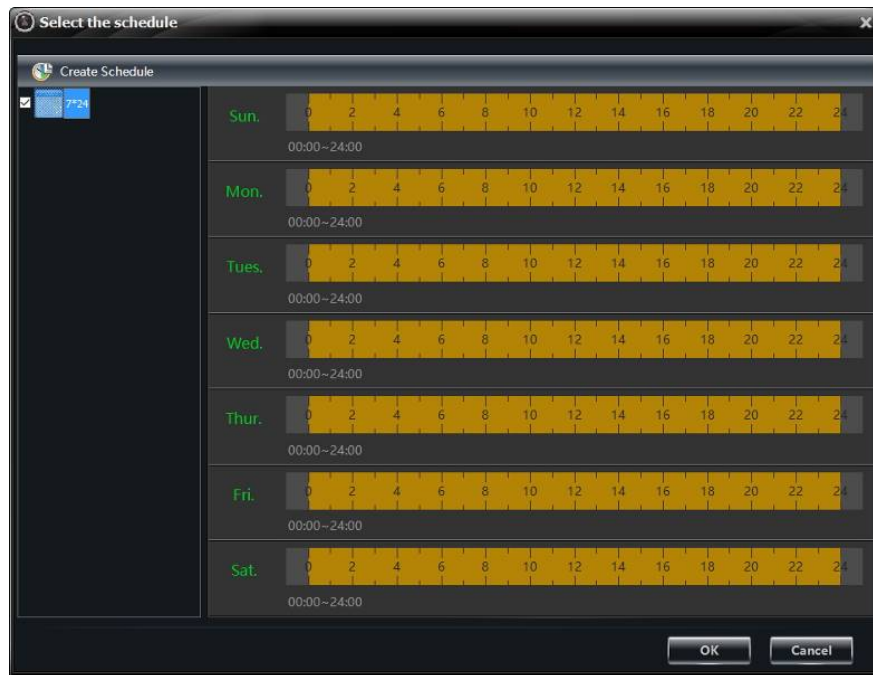
7.3.2.2 Record Settings

Click **Local Record of System** to go to the interface as shown below.

You can set schedule and record stream. Choose to open video voice or not when recording.



7.3.2.3 Schedule Setting of Local Record of System.

Click **Set Schedule** button to pop up the window as shown below. Check the schedule which you want then click **OK**.



7.3.2.4 Create Schedule

Click “Set Schedule” button to pop up the window then click “**Create Schedule**”.

Click  and then move the cursor to select the time. Click  and then move the cursor to delete the selected time.

Click “**Manually**” to manually input the time. Click “**All**” / “**reverse**” to quickly select the time. Click “**Empty**” to clear all the time.

Click “**OK**” button to save the settings.

7.3.2.5 Motion Detection Settings

Click **Area and Sensitivity** to go to the interface as shown below.

Drag the slide bar to set the sensitivity value. The higher the value is, the more sensitive it is. Click “**Draw**” and then hold press left click mouse to add the area you want.

Click “**Delete**” button to delete area quickly.



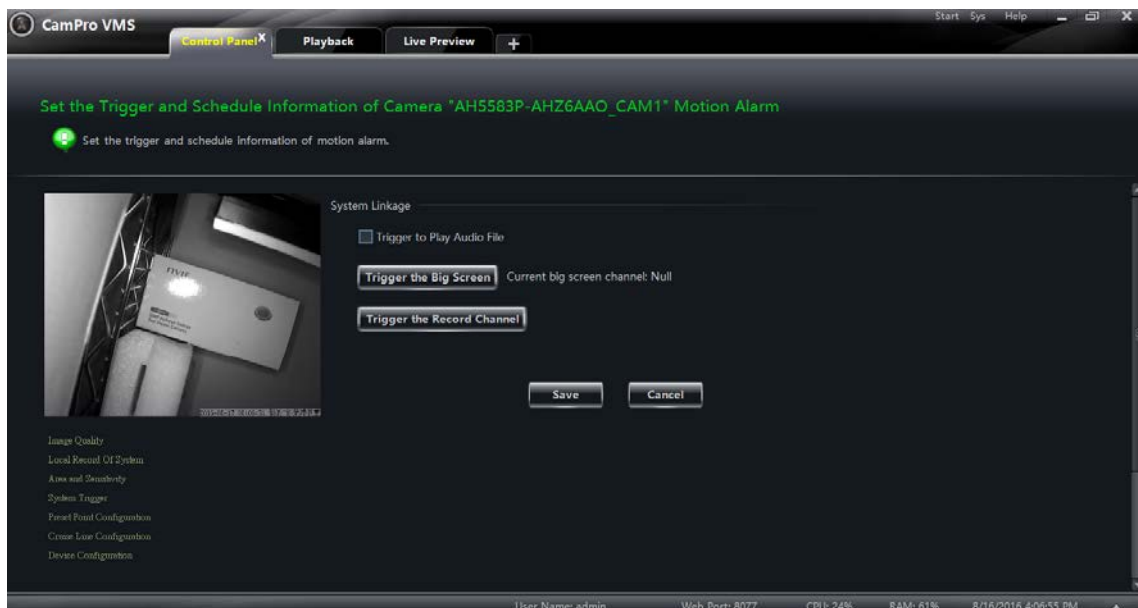
7.3.2.6 System Trigger

Click **System Trigger** to go to the interface as shown below.

Check "Trigger to Play Audio File". If the motion alarm of a certain channel is triggered, a sound like "beep" will give out.

Click "**Trigger the Big Screen**" button to select channel. If the motion alarm of the selected channel is triggered, a big picture will pop up on the screen.

Click "**Trigger the Record Channel**" button to select channel. If the motion alarm of the selected channel is triggered, the channel's record will be opened automatically.




7.4 PTZ Settings















7.4.1 Preset Point Configuration

Click **Preset Point Configuration** to go to the interface as shown below. Adjust the dome direction, speed, etc by clicking the buttons. Click **“Add”** to add a new preset point. Choose a preset point in the list and then click **“Change Name”** to change the name of the preset point. Choose a preset point and then click **“Delete”** to delete the preset point. Click **“Save”** to save the settings.



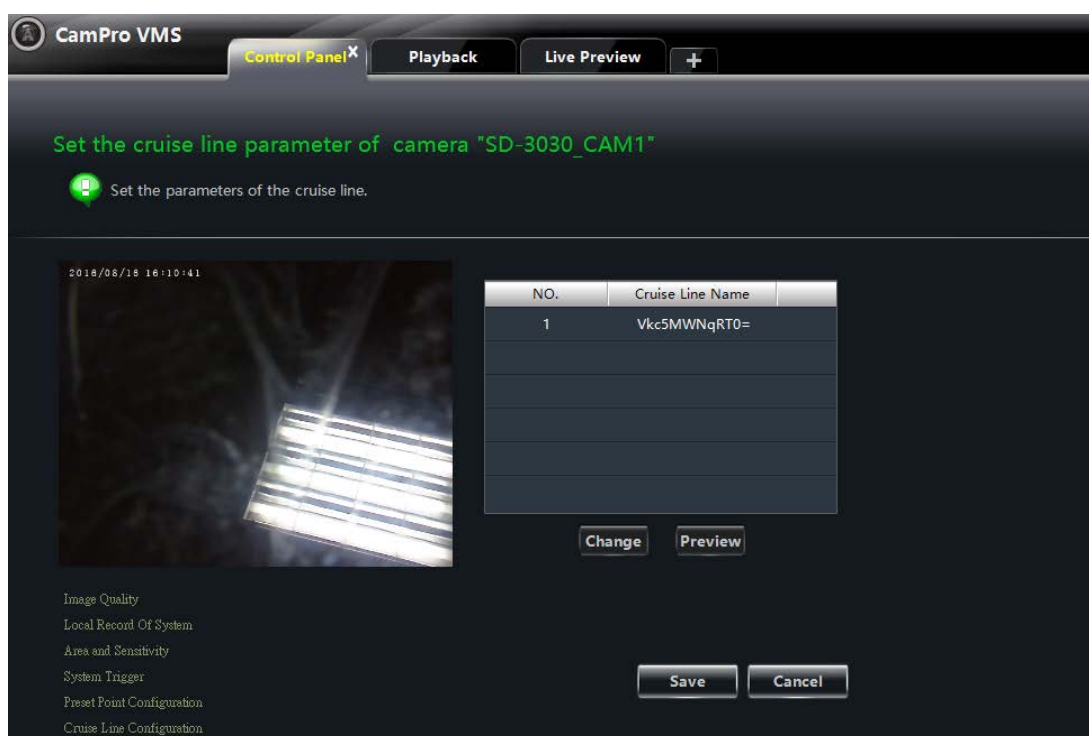
The definitions of the buttons are as below.

Buttons	Description
	<p> ▲ to rotate the dome upwards; ▴ to rotate the dome diagonally up-left; ▾ to rotate the dome diagonally up-right; ▼ to rotate the dome downwards; ▽ to rotate the dome diagonally down-left; ▹ to rotate the dome diagonally down-right; ◀ to rotate the dome towards left; ▶ to rotate the dome towards right; ■ to stop rotating the dome </p>

	Drag the slider bar to adjust rotation speed of the dome
	Focus button. Click  to increase the focal length; click  to decrease the focal length
	Iris button. Click  to increase the iris of the dome; click  to decrease the iris of the dome
	Zoom button. Click  to zoom in the camera image; click  to zoom out the camera image
	Track
	Auto Scan
	Wiper button
	Light button

7.4.2 Cruise Line Configuration

Click **Cruise Line Configuration** to go to the interface as shown on below. You can change/preview cruise.

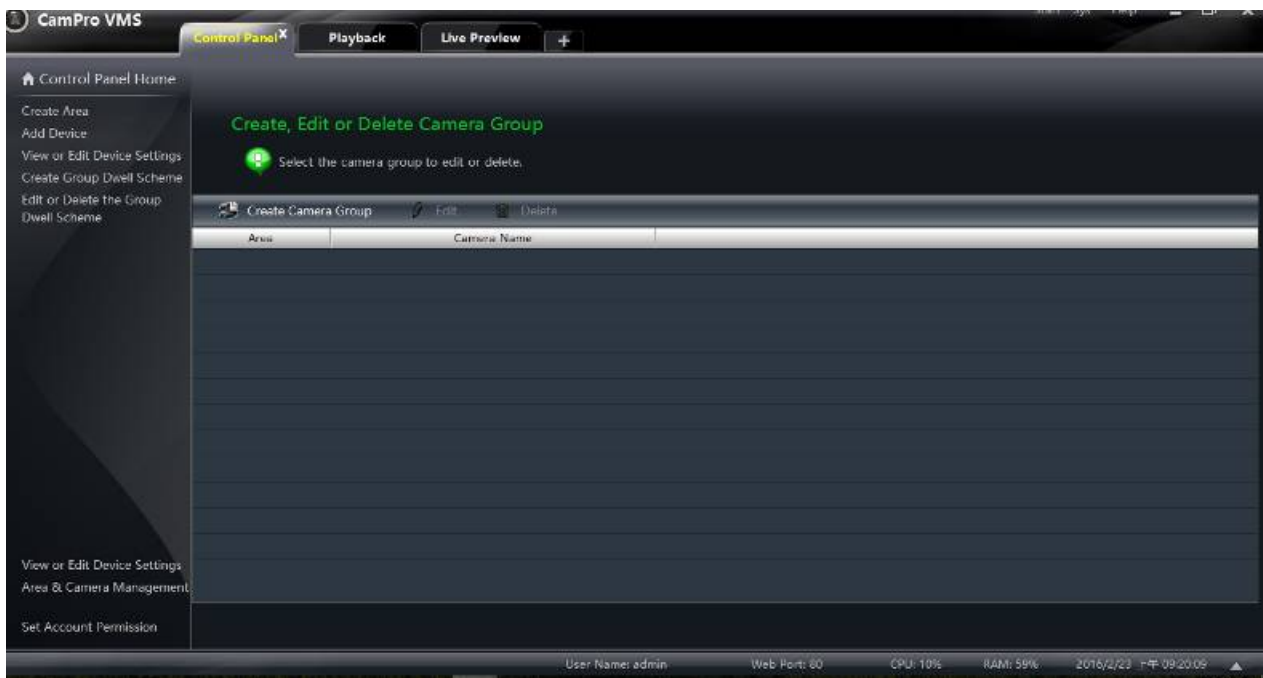


8

Group and Scheme Setting

8.1 Camera Dwell Group

Click “**Group and Scheme Setting**” in the control panel to go to the interface as shown below.



8.1.1 Create, Edit or Delete Camera Group

Click “Create Camera Group” in the above interface to create a group.

Select a group in the group list and then click “Delete” button to delete it.

Select a group and then click “Edit” button to go to the interface as shown below. You can change the group name and dwell time interval.

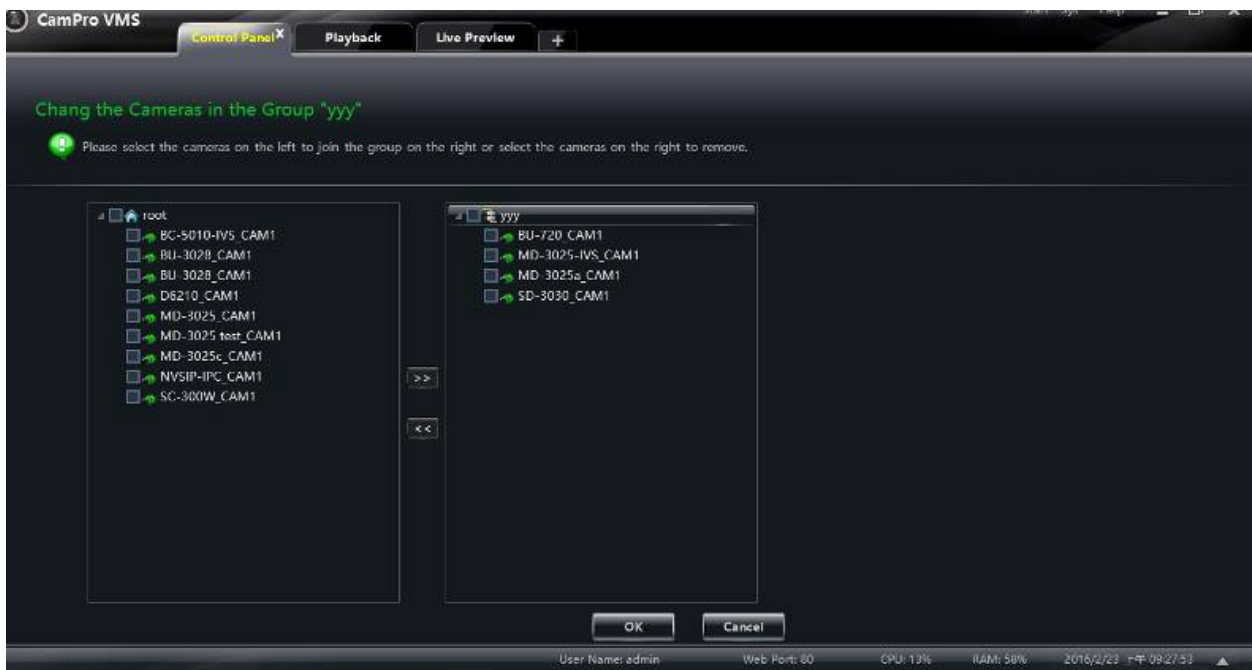


8.1.2 Add or Remove the Camera Group

Select a group, click “Edit” button and then click **Add or Remove the Camera Group** in the interface to pop up the window as shown below.

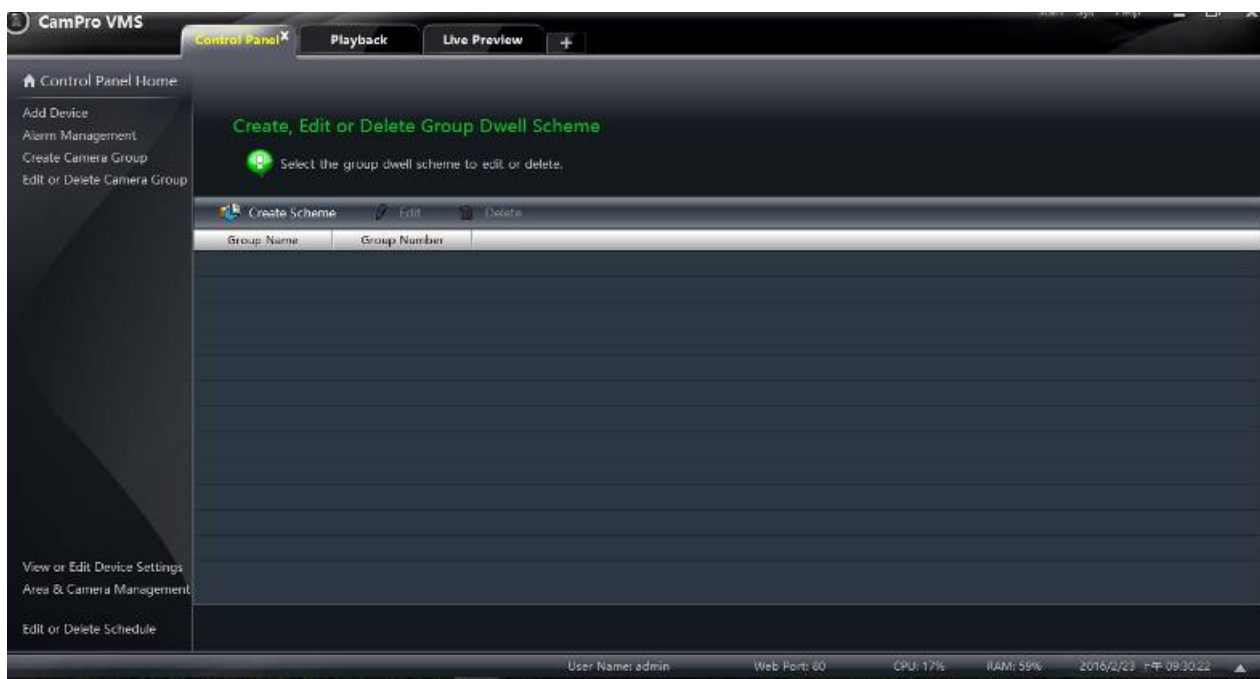
Check cameras on the left and then click **>>** to add the selected cameras to the group on the right.

Check cameras on the right and then click **<<** to remove them from the group.



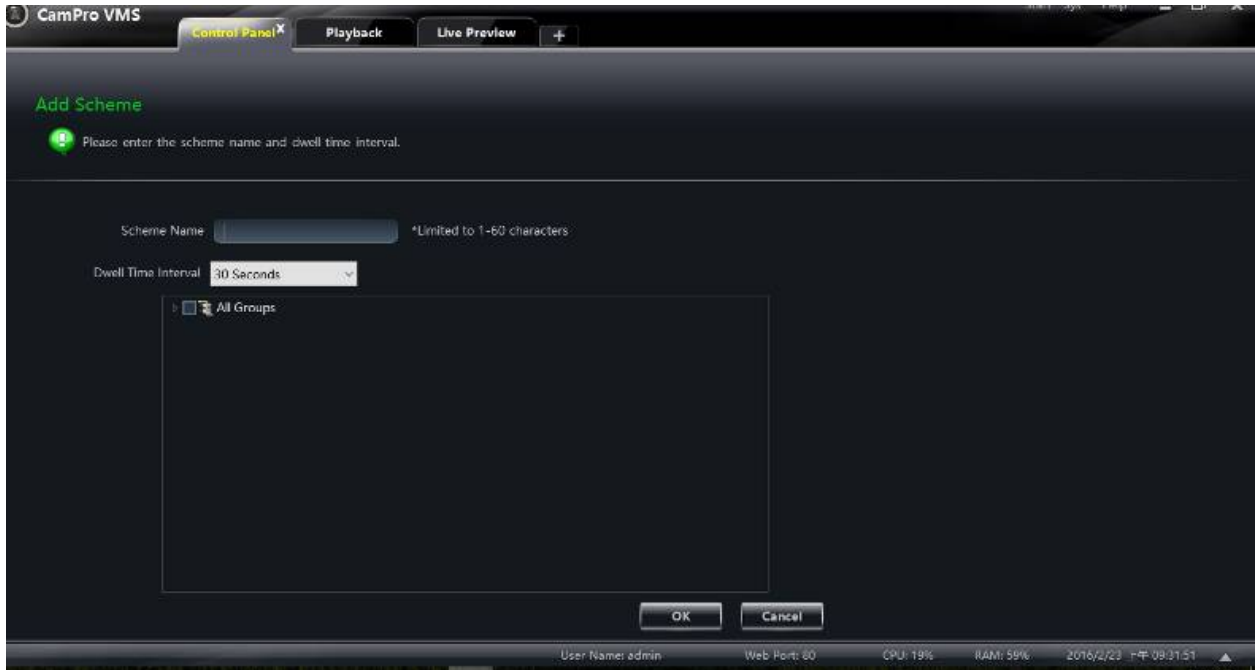
8.2 Group Dwell Scheme

Scheme is used for dwelling group by group. Therefore, at least one group should be created. Click **Edit or Delete the Group Dwell Scheme** on the left side of the menu to go to the interface as shown below.



8.2.1 Create Scheme

Click “Create Scheme” button to create a scheme. You should set the scheme name, the dwell time interval and the group. Click “OK” button to save the settings. The added scheme will be displayed in the scheme list.





8.2.2 Edit and Delete Group Dwell Scheme

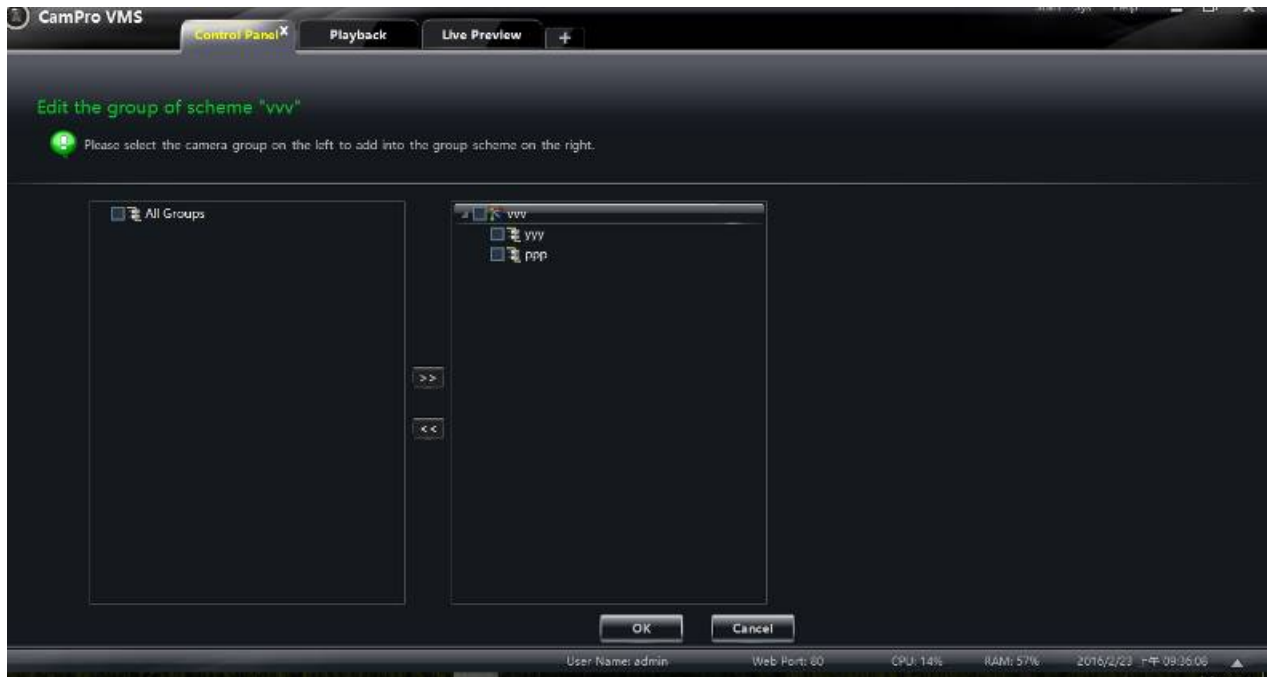
Select a scheme in the scheme list and then click “**Delete**” button to delete it.

Select a scheme and then click “**Edit**” button to go to the interface as shown on the right.

You can change the name of scheme and the dwell time interval.



Click **Add or Remove Group of the Scheme** to go to the interface as shown on the right. Check group on the left and then click  to add the selected group to the scheme on the right. Check group on the right and then click  to remove the group.

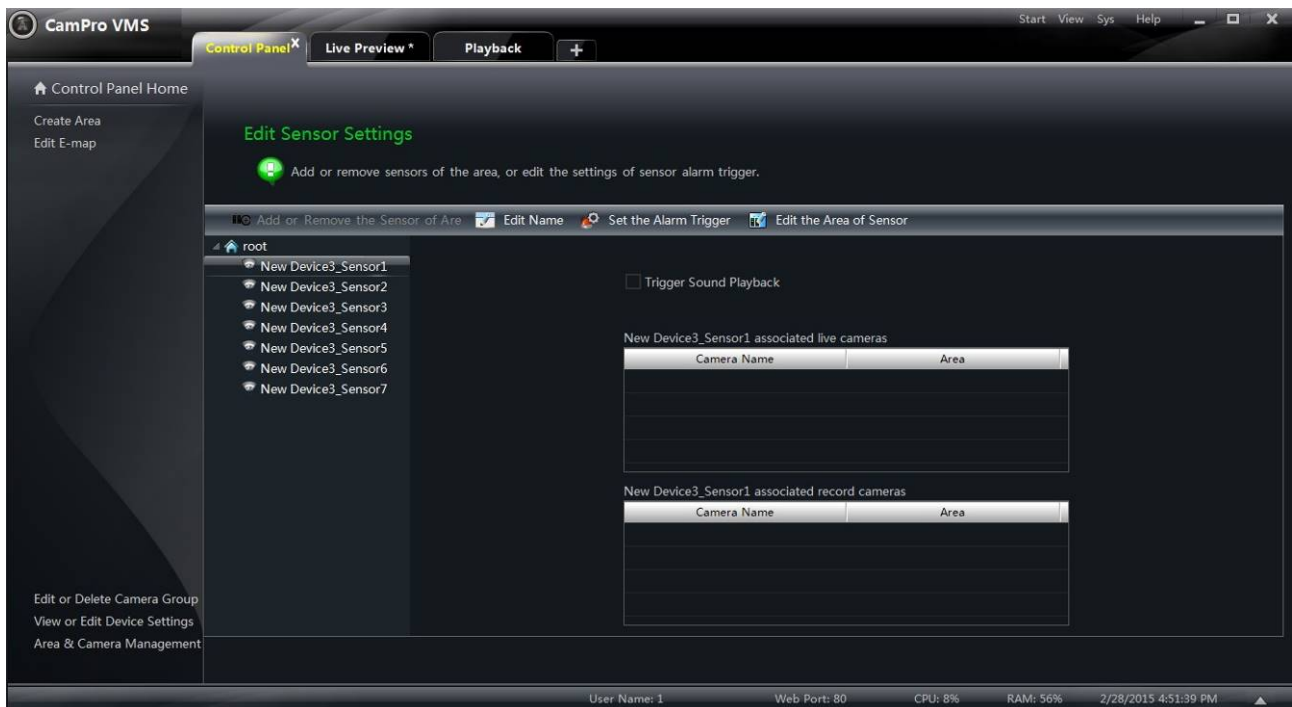


9

Alarm Management


9.1 Sensor Alarm


Click **Alarm Management** in the control panel to go to the interface as shown below.

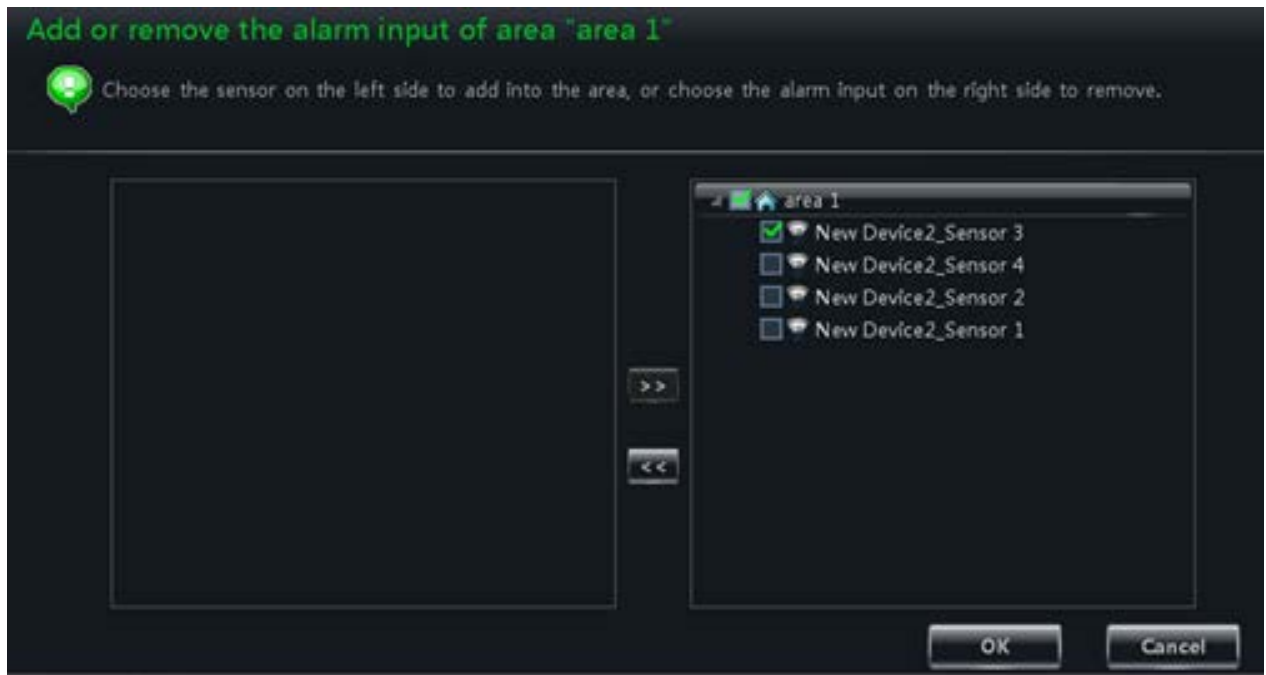


9.1.1 Add or Remove the Sensor of Area

Choose an area in the above interface and then click “Add or Remove the Sensor of Area” button to go to the interface as shown below.

Check the sensor under the area on the right and then click  button to remove the sensor.

Check the sensor on the left and then click  button to add the sensor.



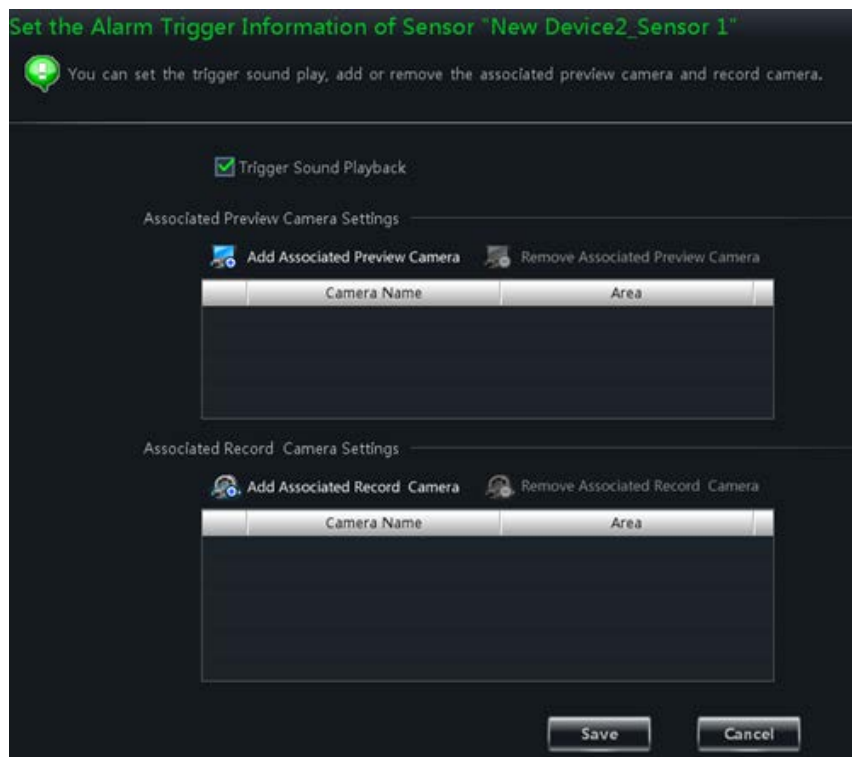
9.1.2 Rename or Change Area

Choose a sensor and then click "**Edit Name**" button to change its name. Click "**Edit the Area of Sensor**" button to change the area of sensor.

9.1.3 Alarm Link Setup

Choose a sensor and then click "**Set the Alarm Trigger**" button to go to the interface as shown below.

If checking **Trigger Sound Playback**, there will be a sound like "**beep**" when sensor alarm is triggered.



9.1.4 Add Associated Preview Camera

Click **Add Associated Preview Camera** to pop up a window. Check cameras and then click “**OK**” button to save the setting. When sensor alarm is triggered, the alarm preview and e-map preview will pop up automatically. Select the added camera and then click **Remove Associated Preview Camera** to remove the camera

9.1.5 Add Associated Record Camera

Click **Add Associated Record Camera** to go to the interface. Check the associated cameras and then click “**OK**” button to save the setting. When the sensor alarm is triggered, the selected channels will be recorded automatically. Select the added camera and then click **Remove Associated Record Camera** to remove the camera.

9.2 Alarm Preview

The alarm preview interface will automatically pop up if the relevant alarm page and alarm preview have been configured already.

9.2.1 Alarm Preview Configuration.

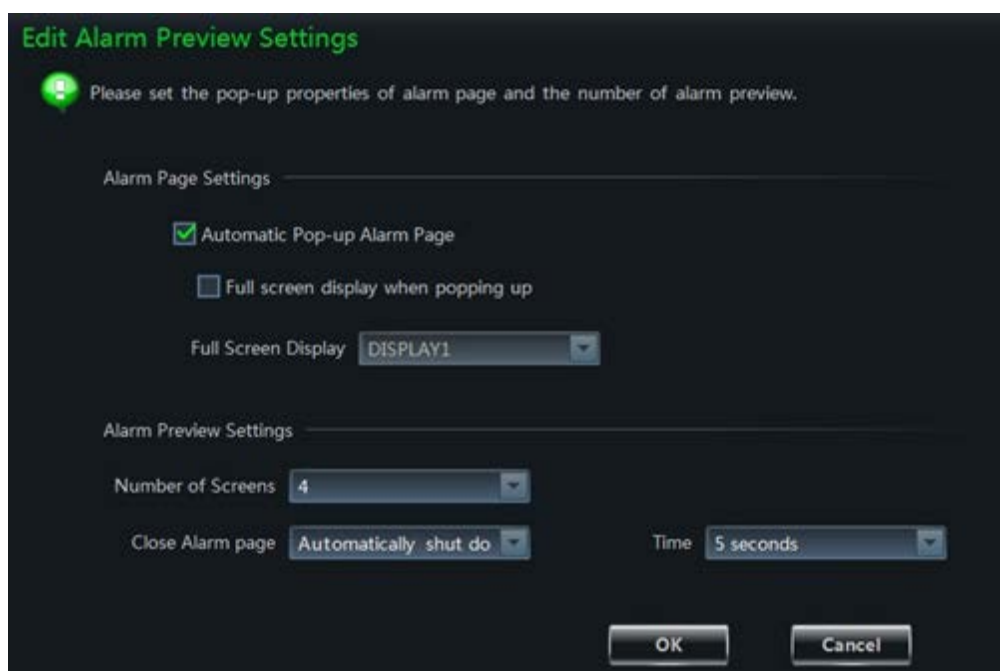
Sensor Alarm

Click **Alarm Management** in the control panel to go to the interface and then click “**Set the Alarm Trigger**” button to add the associated preview cameras.

Click **Edit Alarm Preview Settings** under Live Preview to go to the interface as shown below.

Alarm preview will pop up automatically when alarm is triggered if checking “**Automatic Pop-up Alarm Page**”.

Alarm preview will pop up automatically in full screen when alarm is triggered if checking “**Full screen display when popping up**”. Choose a display monitor in the “Full Screen Display’ drop-down menu. The alarm image will display on the designated monitor when alarm is triggered. Set the number of screens. You can choose to close the alarm page automatically or manually. You can set the time if auto mode is selected.



9.2.2 Alarm Preview

After configuring the alarm, the alarm preview will automatically pop up if the alarm of the selected channel is triggered. The default pop-up window of the system is an independent interface. Please refer to the figure as shown below.



9.2.3 Alarm Information

You can unfold the alarm information list at the bottom of the CMS interface. Refer to the below picture. You can view the alarm time, alarm source, status and processing status in the alarm information list. These alarm information can be deleted. You can play the record of motion alarm (there will be no playback button if the trigger record has not been configured).

Alarm Time	Alarm Source	Status	Play Record	Delete	Processing stat
8/4/2015 5:52:02 PM	New_Device020_Sensor1	Alarm	▶	🗑️	Unprocessed
8/4/2015 5:53:40 PM	New_Device020_Sensor1	Alarm	▶	🗑️	Unprocessed
8/4/2015 5:18:17 PM	New_Device020_nameMotion_Detection	Alarm	▶	🗑️	Unprocessed
8/4/2015 5:11:04 PM	New_Device025_Sensor1	Alarm	▶	🗑️	Unprocessed

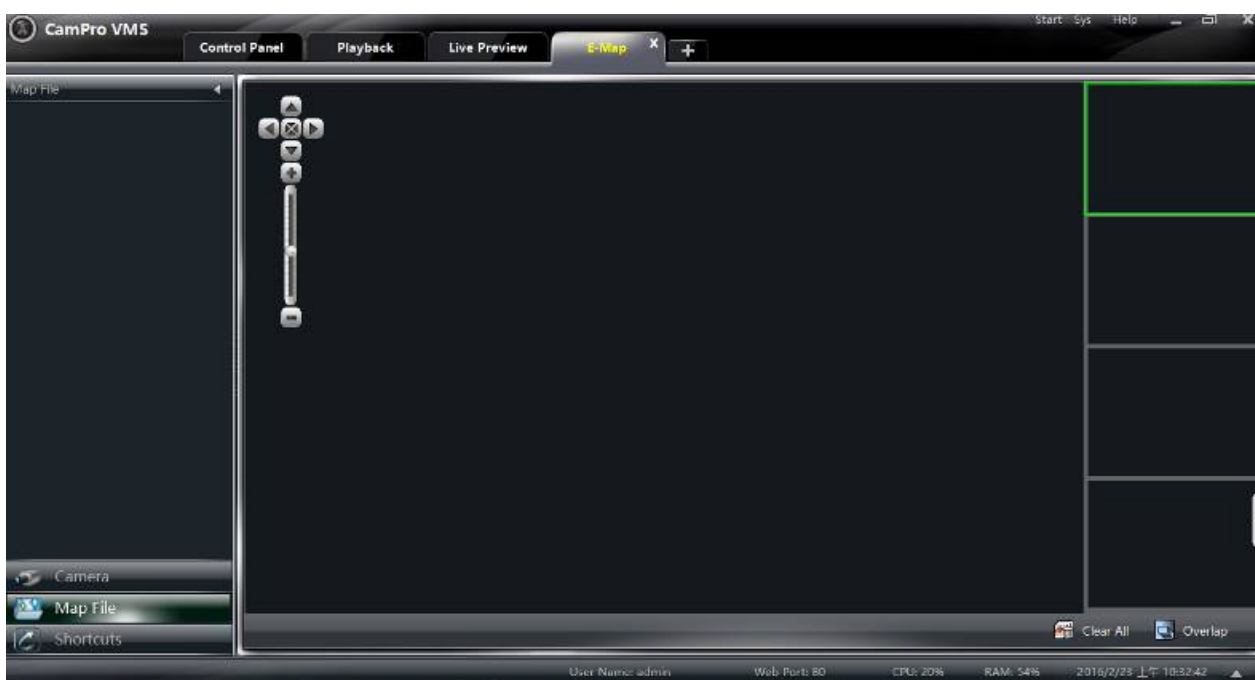
Unprocessed alarm count: 00

User Name: admin Web Port: 81 CPU: 14% RAM: 64% 8/4/2015 5:59:36 PM

10

E-Map

Click **E-Map** in the control panel to go to the interface as shown below.



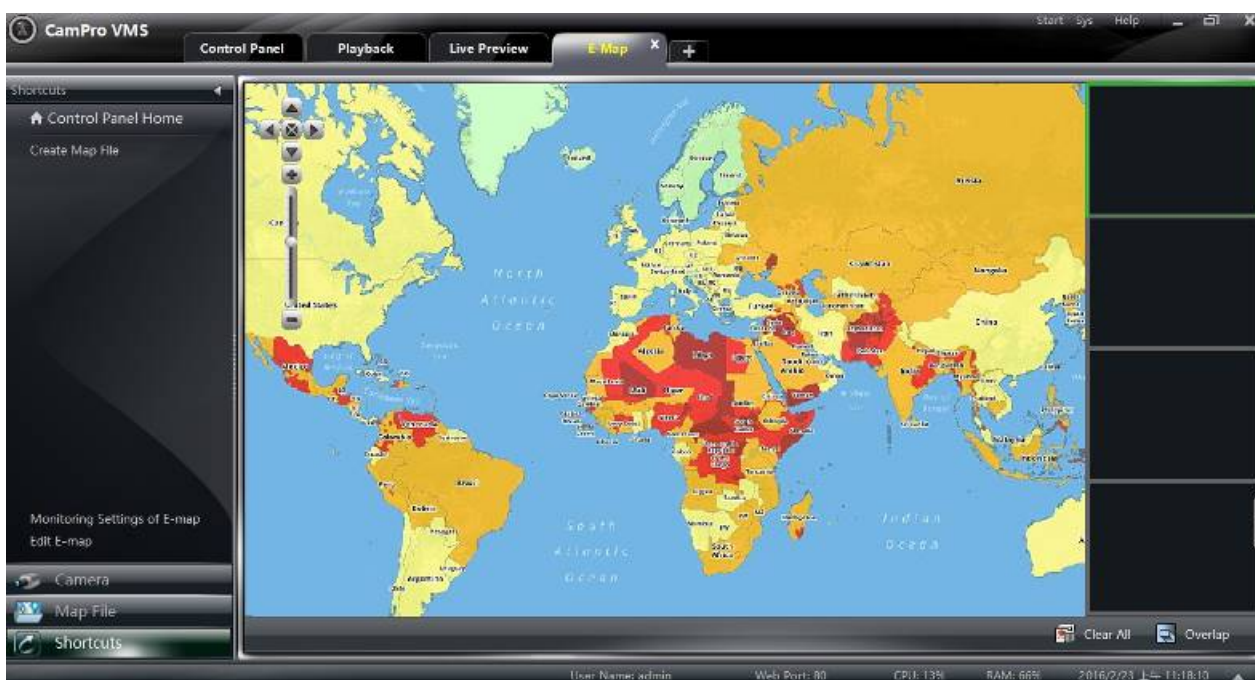
10.1 Create map

Click **“Shortcuts”** button on the left side of the E-Map interface to show the shortcut menu. Click Create Map File to go to the interface as shown on the right. Import a map and set a name for it.



10.2 Modify or Delete Map, Hotspot and Hotzone

In the E-Map interface, click Edit E-map on the left side to go to the interface as shown below.





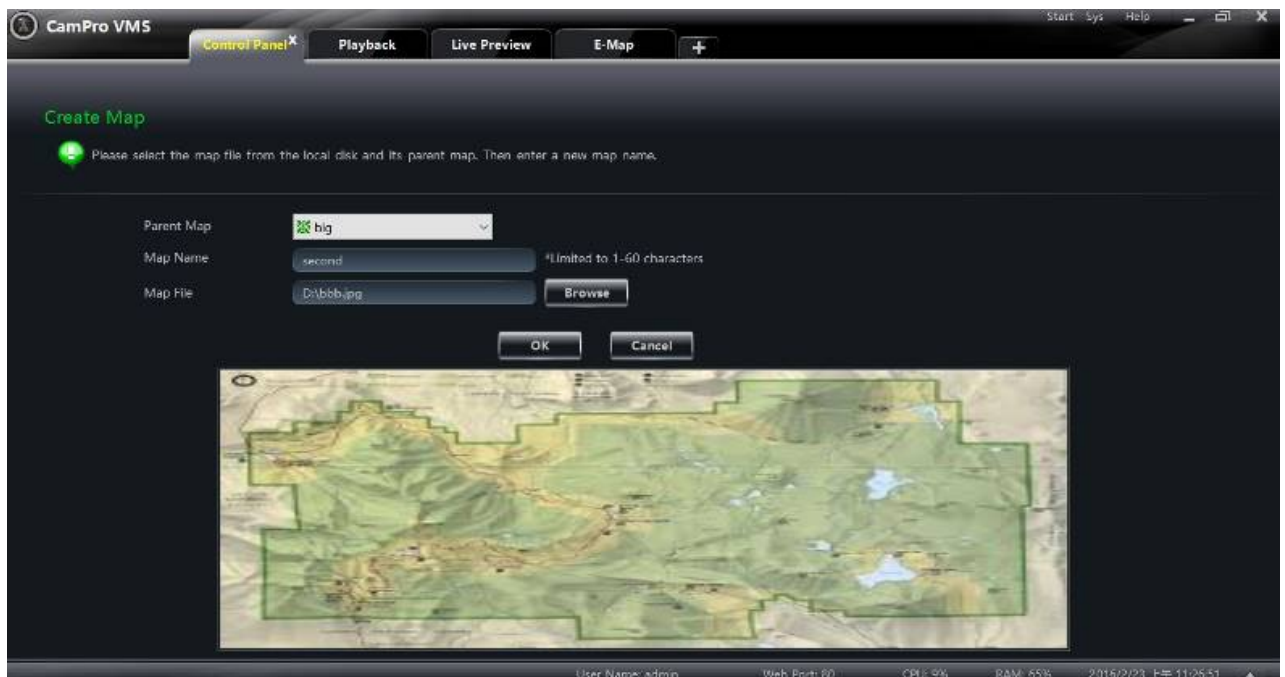
10.2.1 Change or Delete Map

In the above interface, click **Map File** to show the map files on the left side. Select a map and then click “**Rename**” to set a new name for it.

10.2.2 Add, Change and Delete Hotzone

Add Hotzone: Click **Map File**, select a map and then click “Add Hot-zone” to go to the interface as shown below.

- a. Check a map related to the hotzone.
- b. Click  to select the text color displaying under the hotzone icon.
- c. Click  to select icons for the hotzone. After finishing adding the hotzone, double click the hotzone icon to go to the map related to the hotzone.





Modify and Delete Hotzone: Right click a hotzone on the map and then click **Modify Hot Zone** or **Delete the Hot Zone** to change font color, icon or name or delete it.



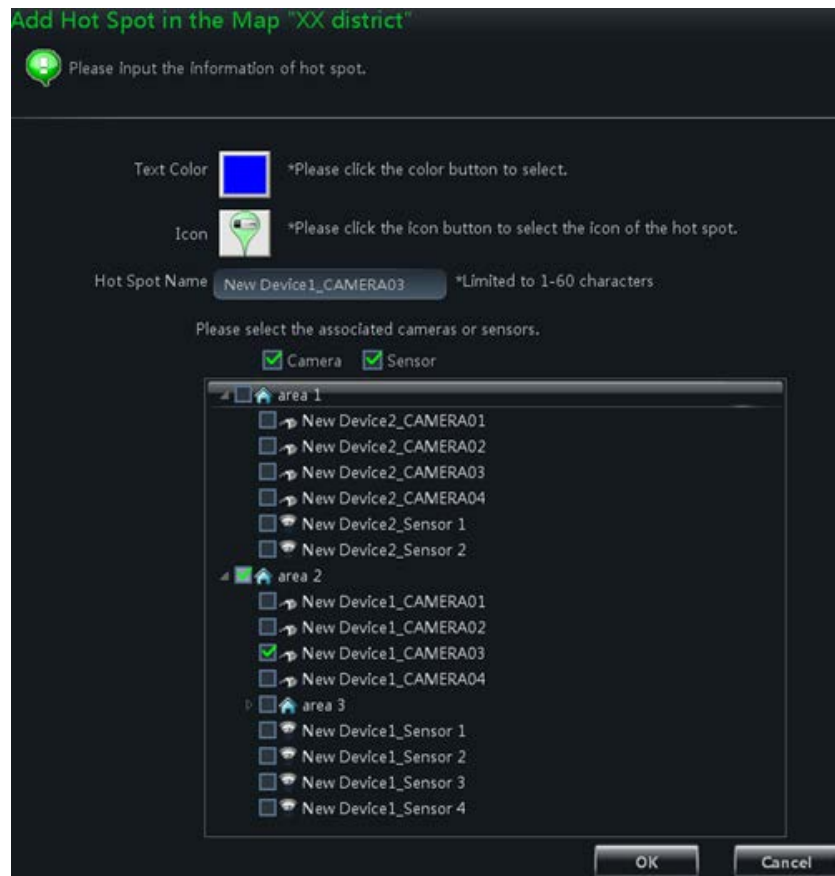
10.2.3 Add, Change and Delete Hotspot

In the E-Map interface, select a map and then click “**Add Hot-spot**” to go to the interface as shown below.

- a. Check the associated cameras and sensors.
- b. Click  to select the text color displaying under the hotspot icon.
- c. Click  to select an icon for the hotspot.
- d. Set a name for the hotspot.

There is another way to add hotspot.

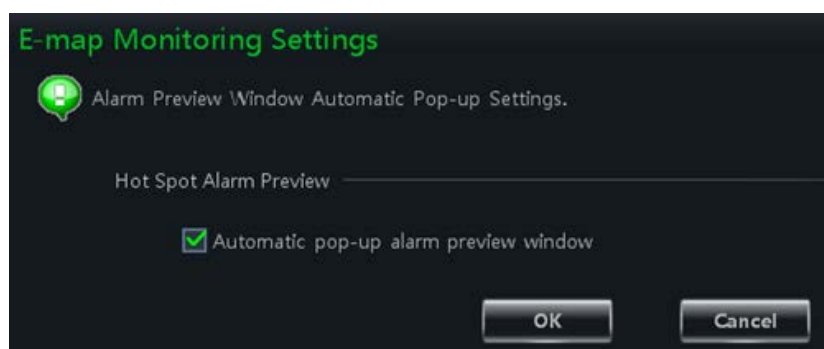
Select a map and then double click the camera or drag the camera to the map for adding hotspot.



10.3 E-map Monitoring Setting

In the E-Map interface, click Monitoring Settings of E-map on the left side to go to the interface as shown below.

Check “**Automatic pop-up alarm preview window**” and then click “**OK**” button to save the setting. If the configured hot spots raise the alarm, the preview image will pop up automatically.

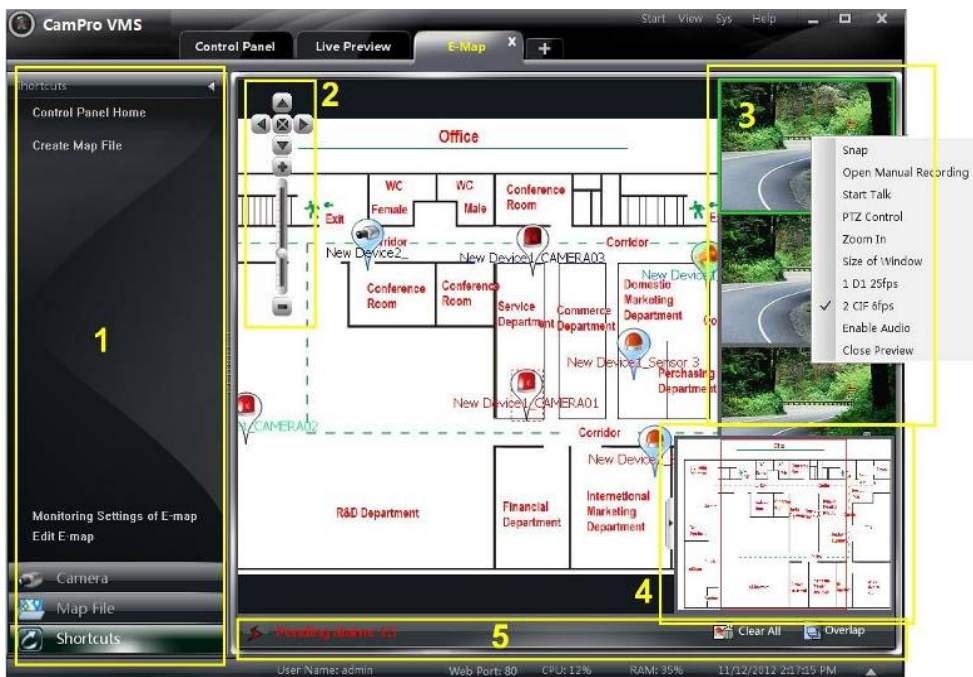


10.4 E-map Live Preview

In the E-Map interface, click **Monitoring with E-map** on the left side to go to the interface.

Note: If the item **“Edit E-map”** appears on the bottom of the menu bar in the E-Map interface, the current interface is monitoring with E-map interface. Double click a hotspot to go to its map.

The icon of the hotspot will become a flashing light if this hotspot raises the alarm. What’s more, there will be preview windows on the right side if you had checked **“Automatic pop-up alarm preview window”**. Click the alarm preview image to go to the map whose hotspot raises the alarm.



Area Description

Area	Description
1	Menu bar
2	Zoom in/out the map
3	Alarm preview

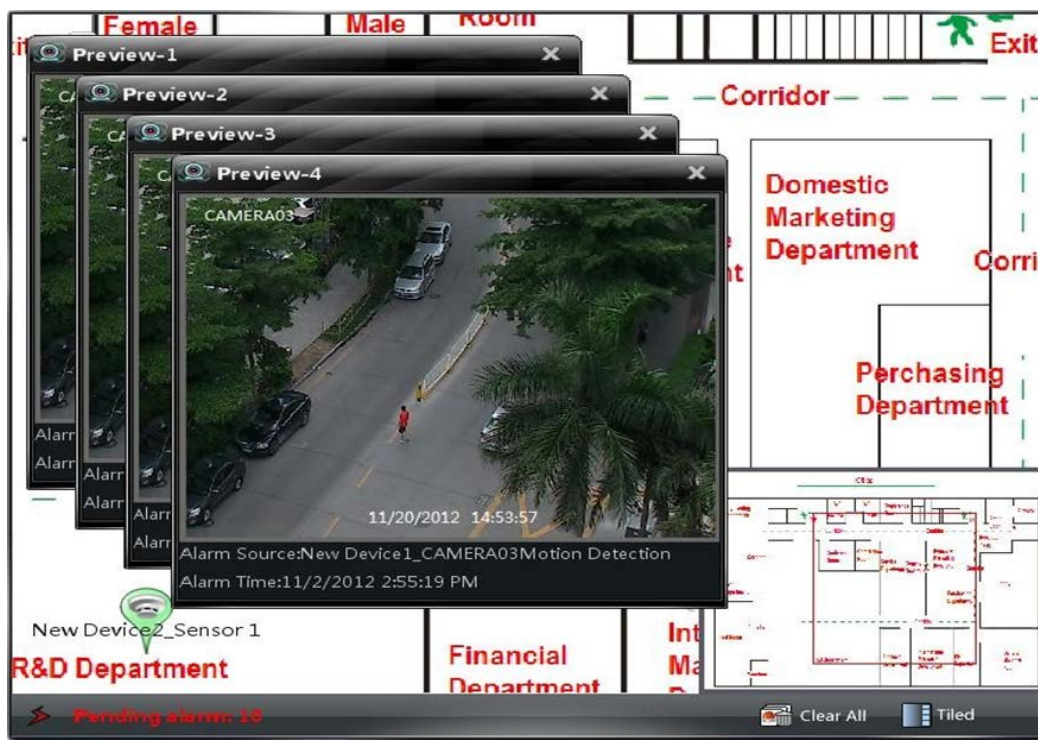
4	Overall display of map(suppressible)
5	Alarm message prompts

Right Click on the Alarm Preview Window

Item	Description	Item	Description
Snap	Picture capture	Open Manual Recording	Start manual record
Start Talk	Start talk	PTZ Control	Click to display PTZ control panel
Zoom In	Zoom in the image	Size of Window	Recover the image size
Stream	Choose stream to view	Enable Audio	Enable audio
Close Preview	Stop preview of single channel		

Click “**Clear All**” to clear all the alarms.

Click “**Overlap**” to make the alarm preview windows to overlap together. You can drag each window to view respectively.



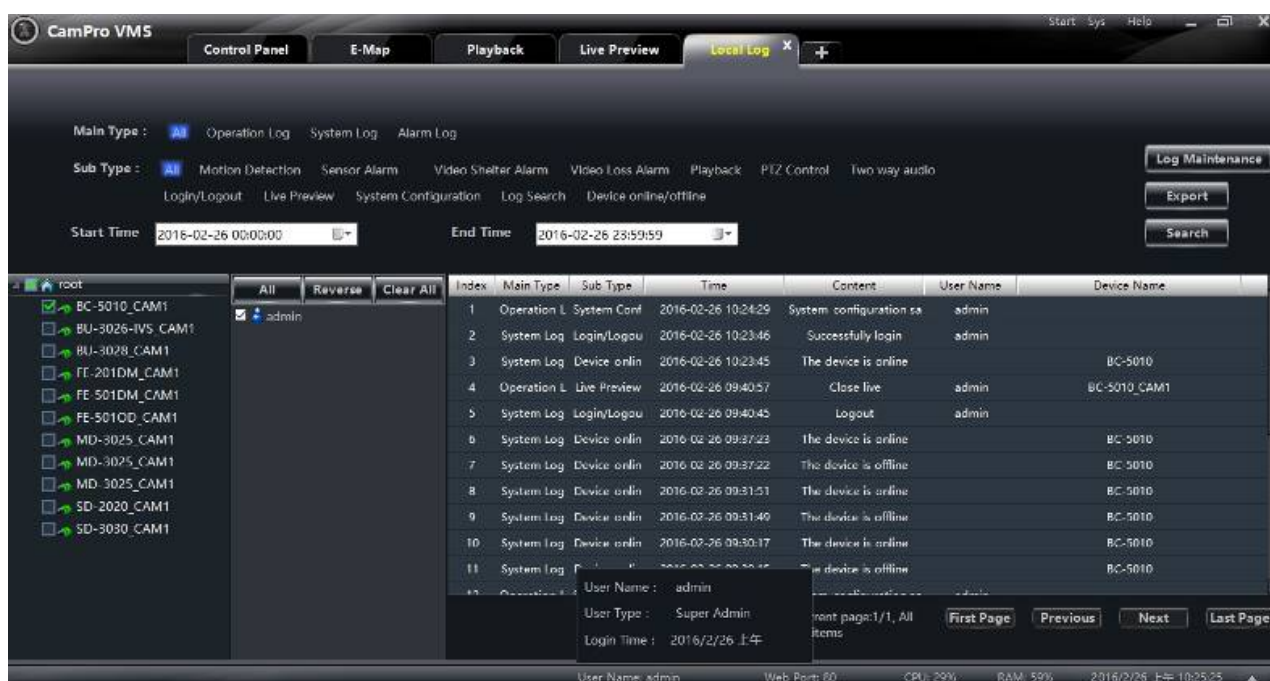
Click **“Tiled”** button to tile the alarm preview windows on the right side.

Right click on the map to pop up a menu bar. Click **“Full Screen”** to view the image in full screen. Right click on the map and then click **“Exit Full Screen”** to exit.

11

Local Log

Click **E-Map** in the control panel to go to the interface as shown below.

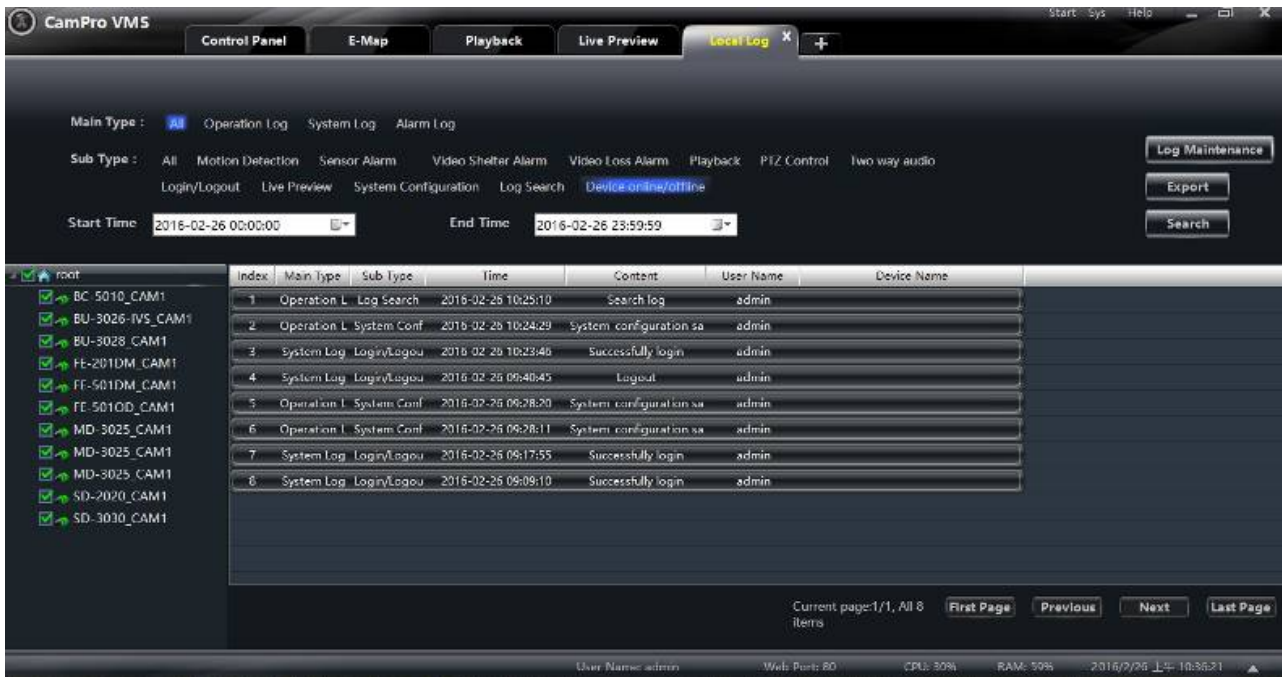


Index	Main Type	Sub Type	Time	Content	User Name	Device Name
1	Operation L	System Conf	2016-02-26 10:24:29	System configuration sa	admin	
2	System Log	Login/Logout	2016-02-26 10:23:46	Successfully login	admin	
3	System Log	Device onlin	2016-02-26 10:23:45	The device is online		BC-5010
4	Operation L	Live Preview	2016-02-26 09:40:57	Close live	admin	BC-5010_CAM1
5	System Log	Login/Logout	2016-02-26 09:40:45	Logout	admin	
6	System Log	Device onlin	2016-02-26 09:37:23	The device is online		BC-5010
7	System Log	Device onlin	2016-02-26 09:37:22	The device is offline		BC-5010
8	System Log	Device onlin	2016-02-26 09:31:51	The device is online		BC-5010
9	System Log	Device onlin	2016-02-26 09:31:49	The device is offline		BC-5010
10	System Log	Device onlin	2016-02-26 09:30:17	The device is online		BC-5010
11	System Log	Device onlin	2016-02-26 09:30:16	The device is offline		BC-5010

11.1 Manual Recording

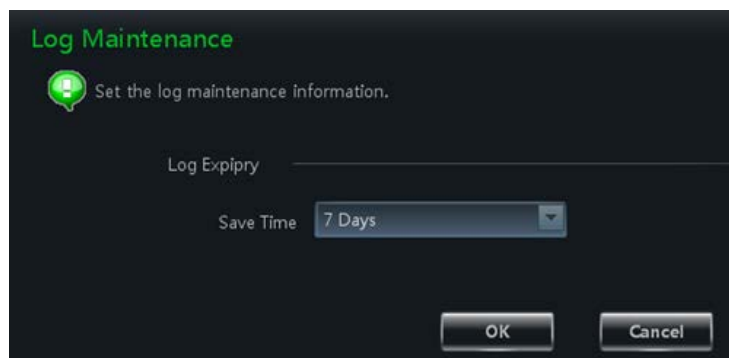
Select main type and sub type, set the start time and end time and then click **"Inquire"** button to search the relevant log information. Click **"First Page"**, **"Previous"**, **"Next"** and **"Last Page"** to view the information on different pages.

For example, if you want to view the online/offline information of storage server, you should select **Device online/offline** under Sub Type in the above interface. Click **"Inquire"** to view the online/offline information of storage server.



11.2 Log Maintenance

In the local log interface, click **“Log Maintenance”** button to go to the interface as shown on the right. You can save the log information for a certain time by configuration in this interface.



11.3 Export

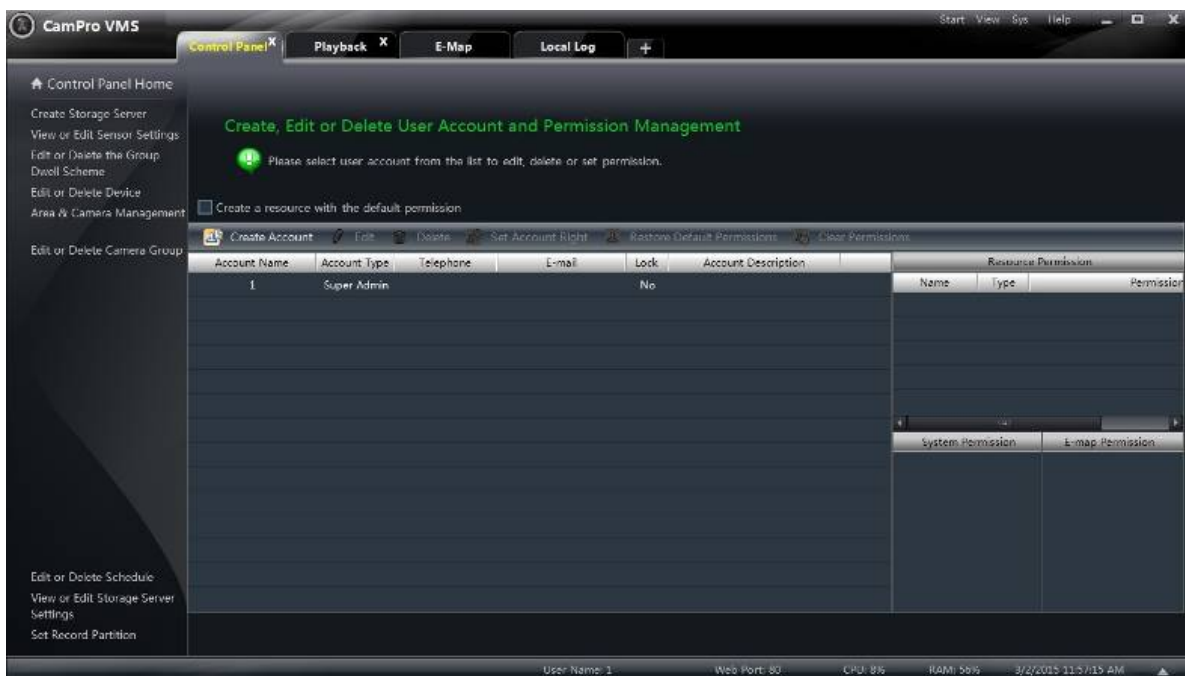
In the local log interface, click **“Export”** button and then set a storage path to export the log information.

12

User Management

Click **User Management** in the control panel to go to the interface as shown below.

There is only one super user registered by you when firstly log in the system. You can add several users and set right for them through the function of “**Set Account Right**”.



12.1 Create a Resource with the Default Permission

In the above interface, **Create a resource with the default permission** means that permission of new resources will be given to all the users if you are going to create new resources.

12.2 Create, Change and Delete Users

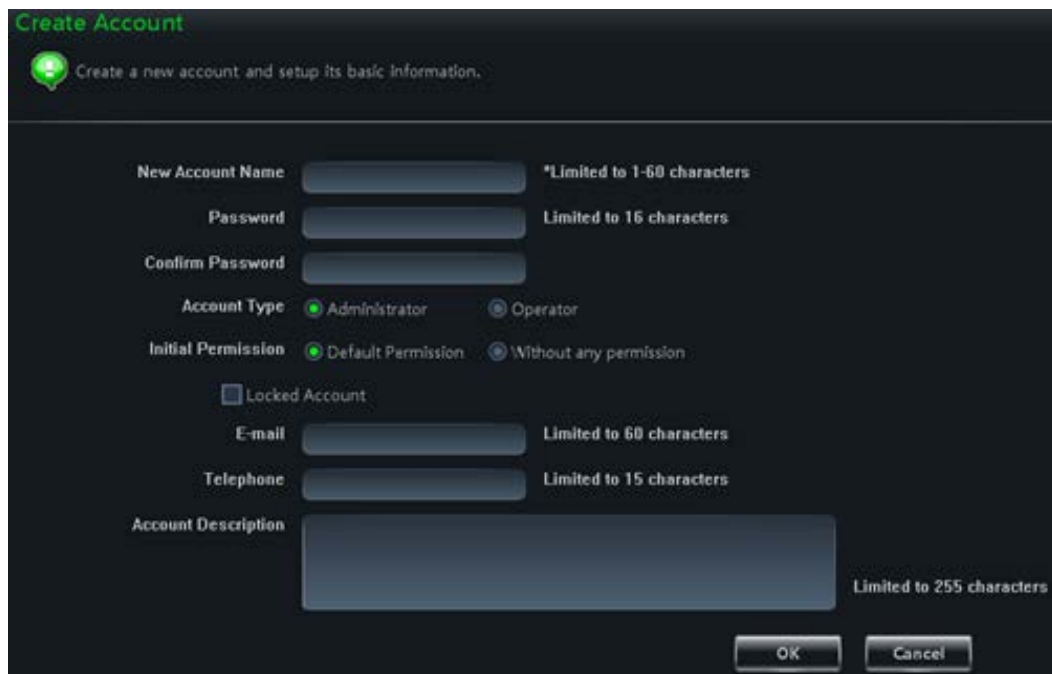
12.2.1 Create Account

In the interface of User Management, click “**Create Account**” to go to the interface as shown on below. Input account name and password. Set account type and the default permission.

You can bind the account by e-mail or telephone and add description to the account.

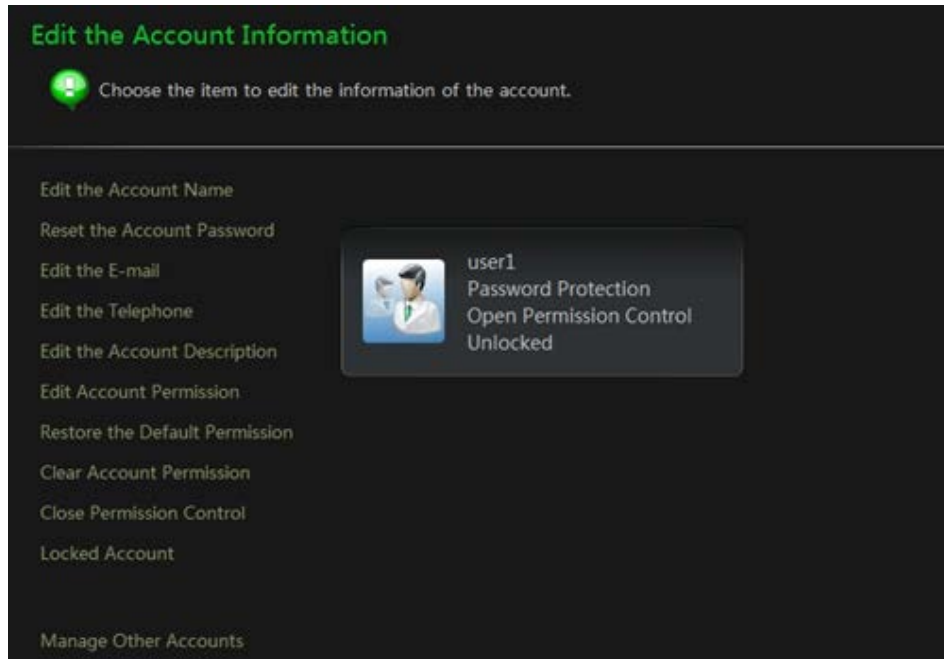
Notes: Two types of user: administrator and operator. Administrator enjoys all the system permissions except account and permission management. Operator only enjoys the permissions of broadcast, searching and exporting log.

If you have checked “**Default Permission**” under initial permission when creating new account, all the resource permissions and system permissions will be added for the user.



12.2.2 Change Account

In the interface of User Management, select a user and then click “**Edit**” button to go to the interface as shown on the right. You can change account name, password, e-mail address, etc.

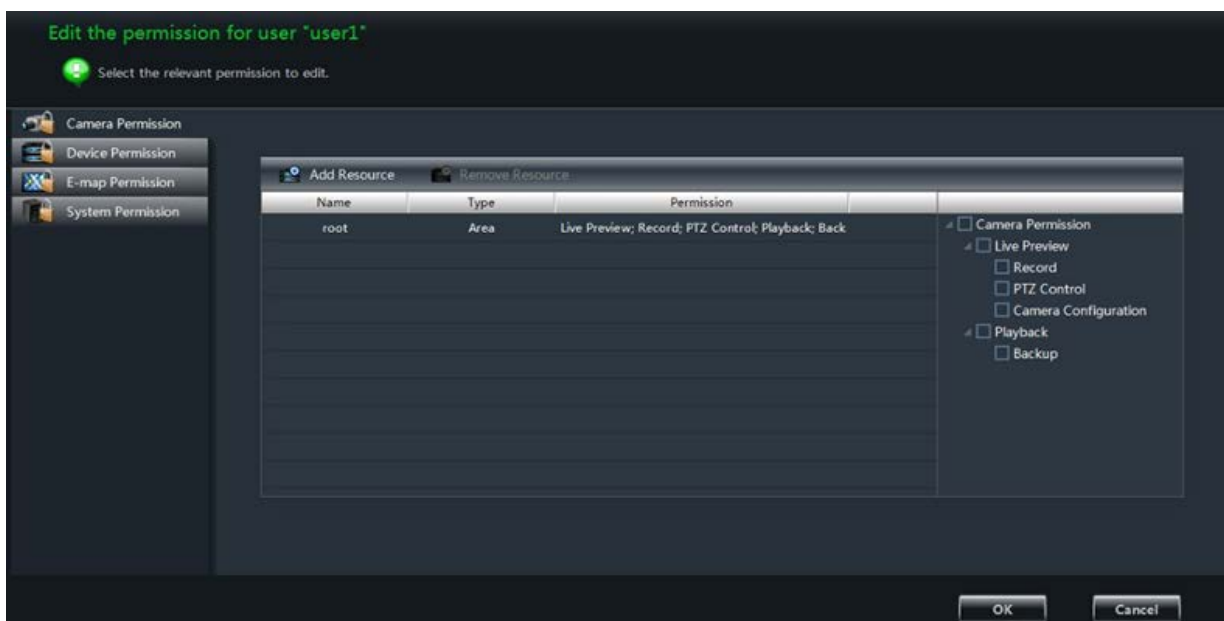


12.2.3 Delete Account

In the interface of User management, select a user and then click “Delete” button to delete it.

12.3 Account Right Configuration

In the interface of User Management, select a user and then click “Set Account Right” to go to the interface as shown below.



12.3.1 Camera Permission

In the interface of Camera Permission, click “**Add Resource**” button to add resources. Check camera permissions below. You can add different permissions for different users.



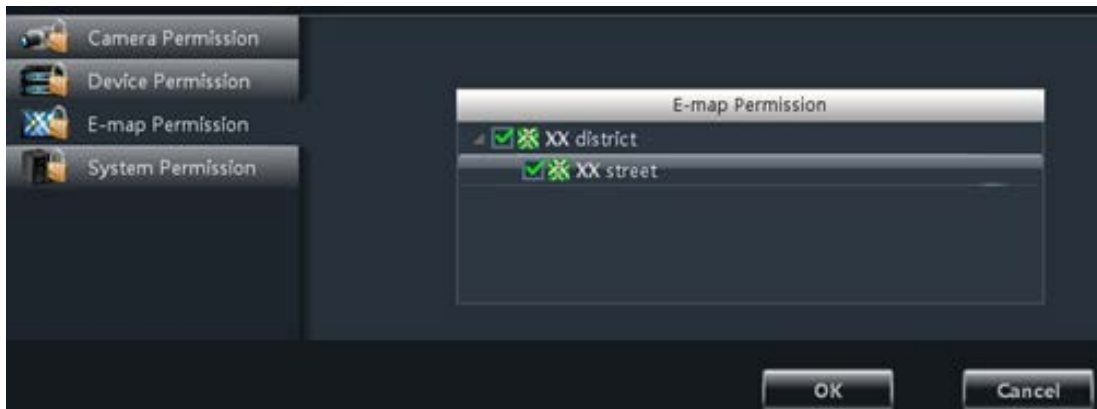
12.3.2 Device Permission

Click **Device Permission** to go to the interface as shown on below. Select the permission below.



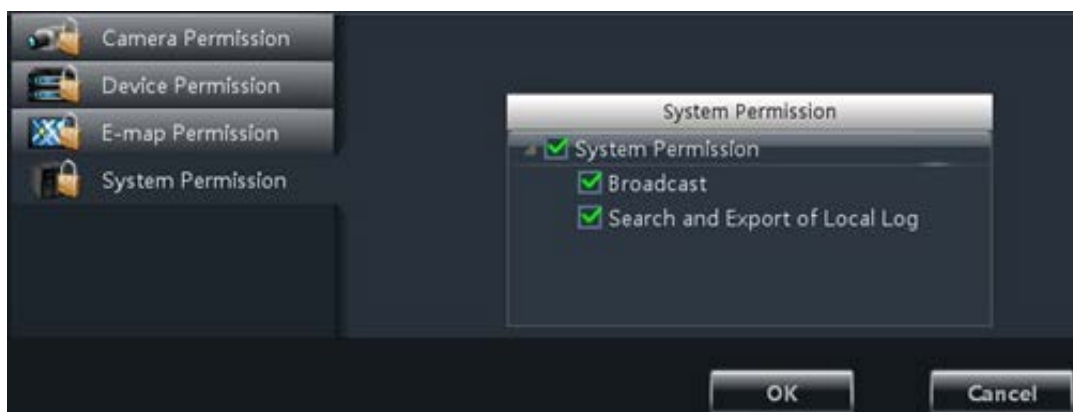
12.3.3 E-map Permission

Click **E-map Permission** to go to the interface as shown on below. Add map permission for the selected user.



12.3.4 System Permission

Click **System Permission** to go to the interface as shown on the right. Select the system permission for the user.



12.3.5 Restore Default Permission

In the interface of User Management, select a user and then click “**Restore Default Permissions**” to restore the default permission of the user.

12.3.6 Clear Permission

In the interface of User Management, select a user and then click “**Clear Permissions**” to clear the permissions of the user.

13

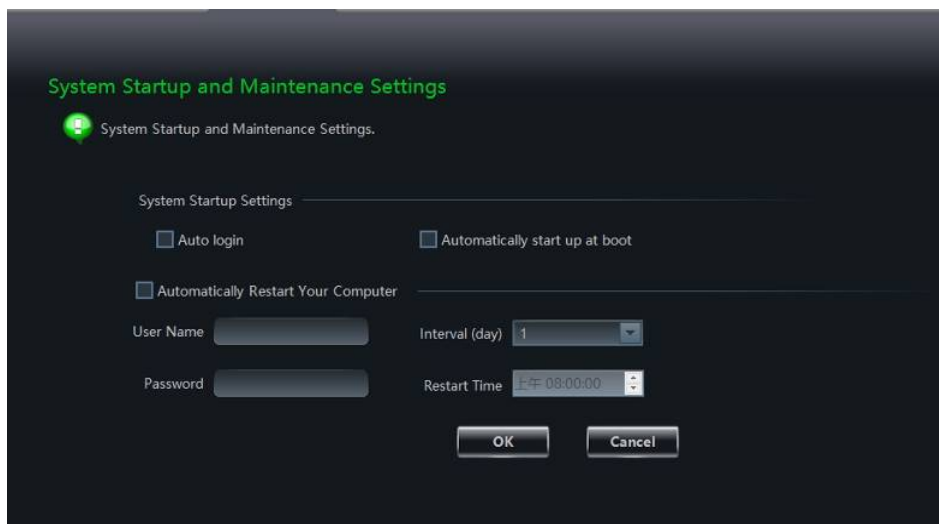
Basic

Click **Basic** in the control panel to go to the interface as shown below. System startup and maintenance, backup and restore will be introduced in this chapter. Partition and Path configuration have been introduced in the above chapter, here we do not repeat again.



13.1 System Startup and Maintenance

Click **System Startup and Maintenance** to go to the interface as shown on below.



You can set auto login and auto startup of VMS by checking the two options under “**System Startup Settings**”.

If checking “**Automatically Restart Your Computer**”, the user name and password of the computer need to be input; time interval and restart time need to be selected.

Click “**Edit Port**” to edit the HTTP port and data port.

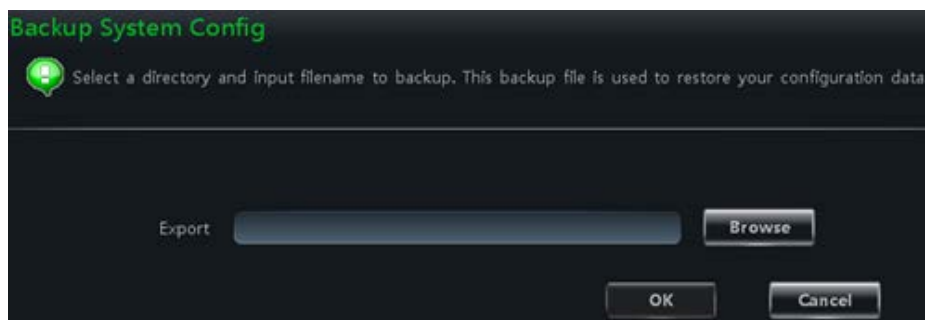
Click Select Language to change the display language of VMS (VMS needs to be restarted before language changing takes effect).

13.2 Backup and Restore

When upgrading the software to a new version, you should firstly export the data of the previous version and then import them to the new version so that the repeated addition and settings could be avoided.

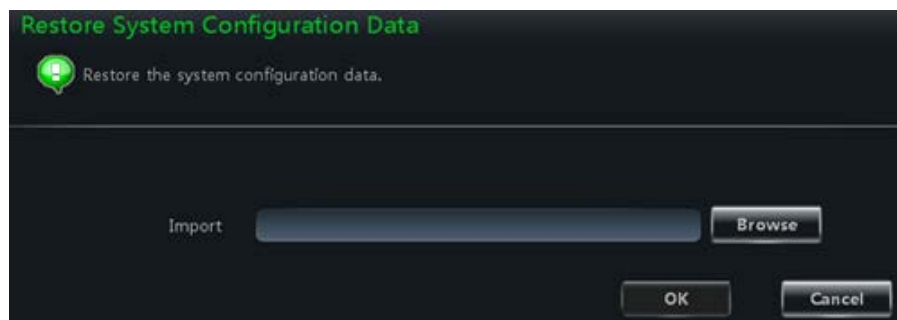
13.3 Backup System Configuration Data.

In the interface of Basic Configuration, click Backup System Configuration to export the configuration data.



13.3.1 Restore System Configuration Data.


In the interface of Basic Configuration, click **Restore System Configuration** to import the configuration data.

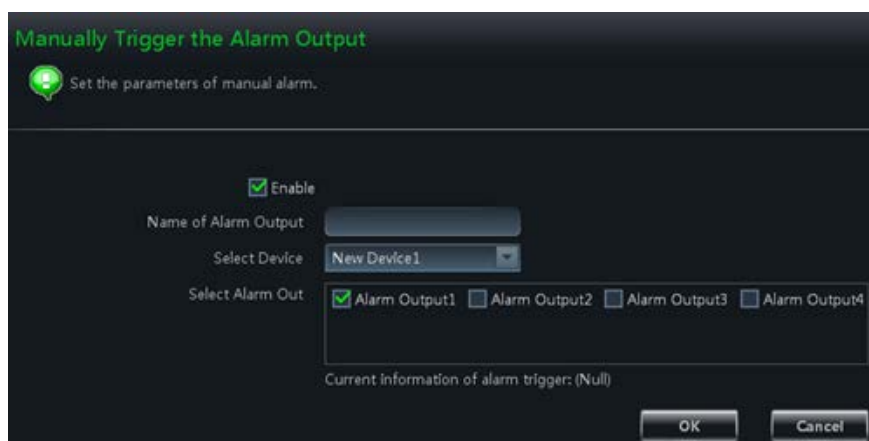


13.4 Manually Trigger the Alarm Output

Click **Manually Trigger the Alarm Output** under Basic to go to the interface as shown below.

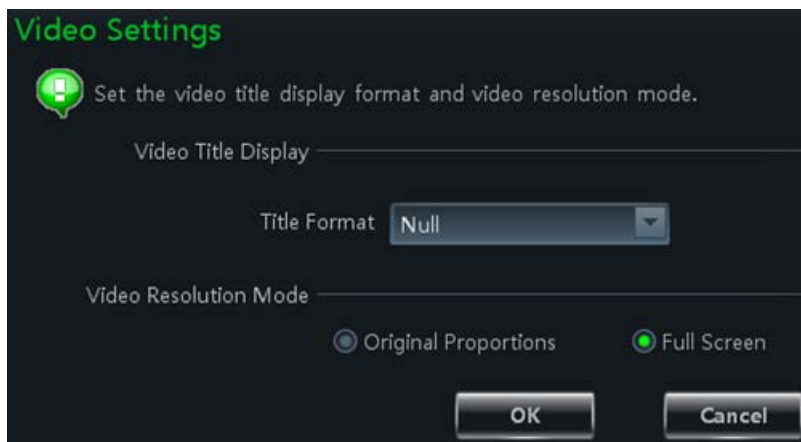
Check “**Enable**”, select the device and alarm out and then set a name for the alarm output. Click “**OK**” to save the settings.

After the above settings, an icon  will appear at the right bottom of the software. Click this icon to trigger the alarm of the selected device.



13.5 Video Display Settings

Click **Video Display Settings** under Basic in the control panel to go to the interface as shown on the right. Set the video title display and video resolution mode and then click “**OK**” button to save the settings.



13.6 Synchronize Time for Multi-Devices

Click **Synchronize Time for Multi-Devices** under **Sys** in the right-up side to go to the interface as shown on below. Click “**Synchronize**” button to synchronize time for all the devices.

If **Auto Synchronize Time for Multi-Devices** is checked, then the time will be synchronized automatically every three hours.



14

Web Client Login

You can login VMS by web client. The default port number is 8011. In web client, you can do live preview and record playback and so on. The browsers which web client supports are IE7, IE8, IE9, IE10, IE11, firefox, google and opera. Here we take IE11 as an example.

14.1 Login

You can login the web client through LAN or WAN.

14.1.1 LAN Login

If you login CMS via LAN, you need to input the LAN IP address of the PC. If the web port is not 80, you need to input the LAN IP address plus port number in the address bar `http://your computer IP address:80`.



User Name: 1 **Web Port: 80** CPU: 17% RAM: 56% 2014/4/10 15:21:21 ▲

14.1.2 WAN Login

Port mapping needs to be done if you log in CamPro VMS via WAN. Please refer to the following steps.

- a. Obtain the LAN IP address of the PC.
- b. Log into the management interface of the router by browser. Forward the LAN IP address and port to the router. Port mapping settings may be different in different routers, so please refer to the user manual of the router for details.
- c. Get the WAN IP address from the router after port mapping. Input the WAN IP address plus web port in the IE address bar to login.



User Name: 1 **Web Port: 80** CPU: 17% RAM: 56% 2014/4/10 15:21:21 ▲

14.1.3 The Download and Installation of Plugins

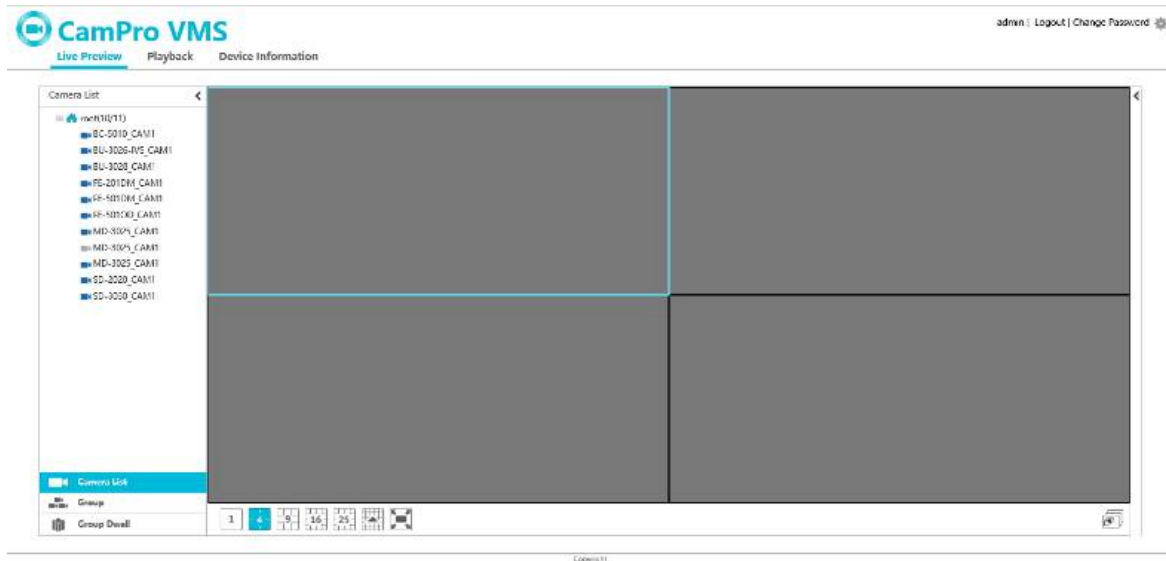
Input the IP address plus port in the IE address bar and then click “**Enter**” key to go to the interface as shown below. You can change the display language manually at the top right corner of the login interface.



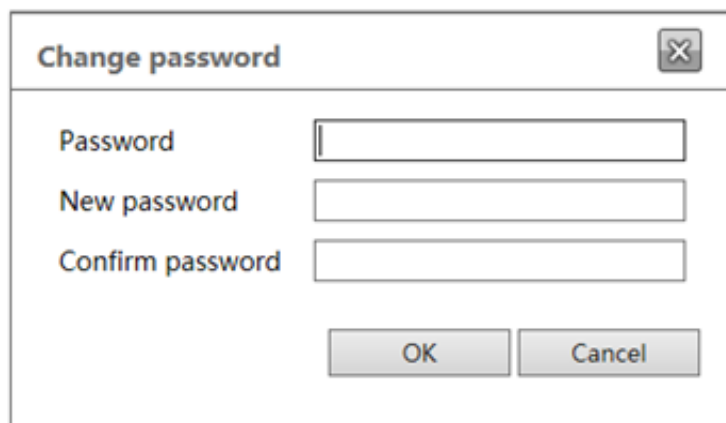
Input the username and password and then click “**Login**” to log in CMS. The username and password are the same with which you registered in the PC software. If you log in the CMS web client for the first time, you will need to download and install the relative plug-ins for normal use of the live preview and record playback. Please download and install the plug-ins according to the tips in the interface.



14.2 Live Preview

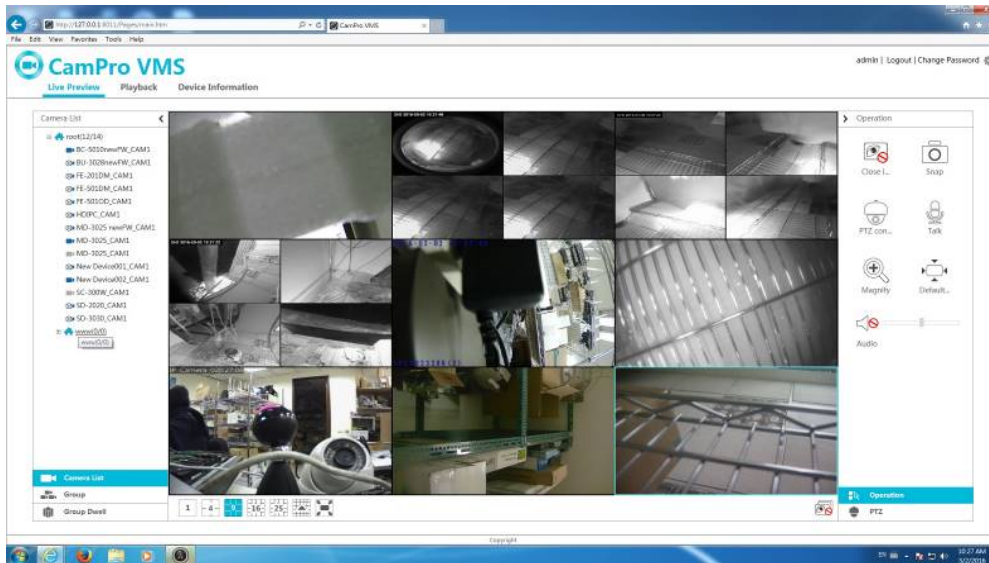
The live preview interface is shown as below



The **admin** on the right top of the interface is the username. Click **Logout** to log out the system. Click **Change password** to pop up the window as shown below. Input the current password, set a new password and then click “OK” button to save the settings.



Click  on the left side of the interface to hide the left panel; click  to show it. Click one camera on the left panel to preview its image on the right side of the interface as shown below.

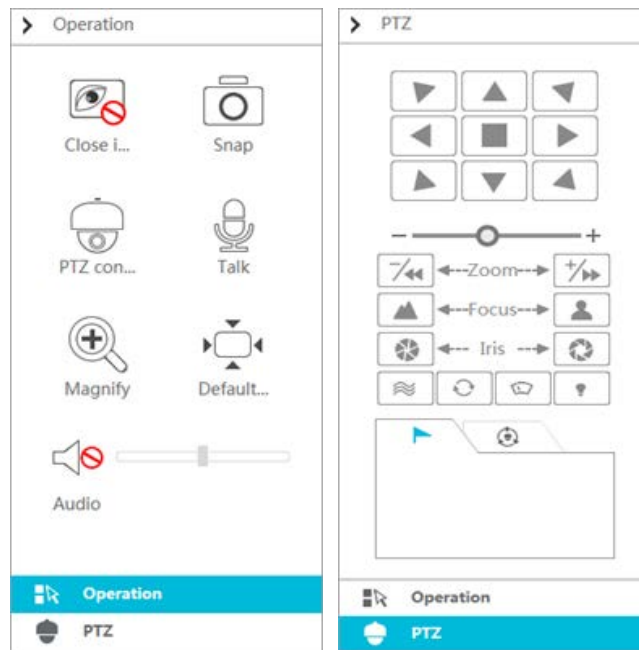


There are some function buttons under the live preview window as shown below.










Button	Description
	Screen mode button
	More screen mode buttons will be shown by clicking it
	Full Screen
	Open all previews
	Close all previews

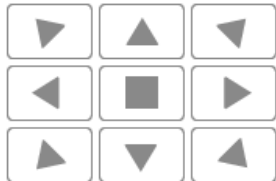










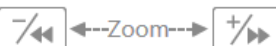


Click on the right side of the interface to show the right panel as shown below. You can switch the interface between operation and PTZ panel by clicking **Operation** or **PTZ** . The PTZ panel is shown below. Click to hide the panel.

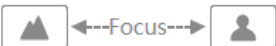


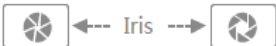










The PTZ panel is introduced as follows.

Button	Description
 Close i...	Click it to close the preview window
 Snap	Click it to snap picture
 PTZ con...	Click it to go to PTZ panel
 Talk	Click it to open the remote talk, click it again to close the talk
 Magnify	Click it to zoom in the image
 Default...	Click it to recover the image to its original size
 Audio	Click it to enable audio and adjust the volume; click it again to disable audio

The operation panel is introduced as follows.

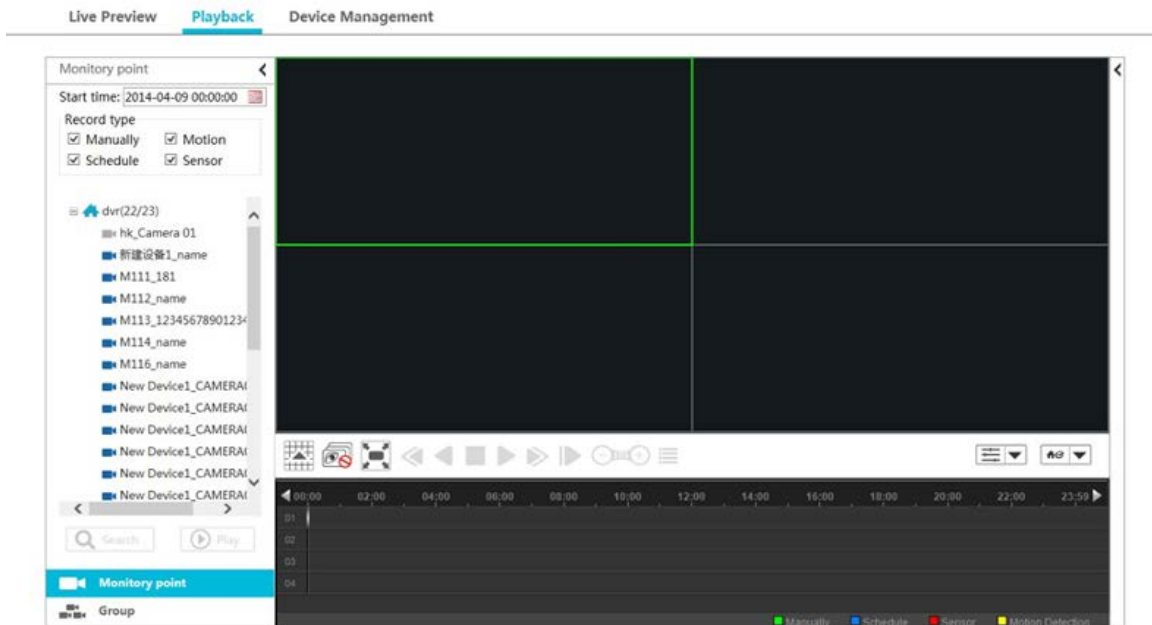
Button	Description
	<p>  to rotate the dome upwards;  to rotate the dome diagonally up-right;  to rotate the dome towards right;  to rotate the dome diagonally down-right;  to rotate the dome downwards;  to rotate the dome diagonally down-left;  to rotate the dome towards left;  to rotate the dome diagonally up-left;  to stop rotating the dome </p>
	<p>Drag the slider to adjust the rotate speed of the dome</p>
	<p>Zoom button. Click  to zoom in camera image; click  to zoom out camera image</p>

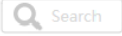

Button	Description
	<p>Focus button. Click  to increase the focal length; click  to decrease the focal length</p>
	<p>Iris button. Click  to increase the iris of the dome; click  to decrease the iris of the dome</p>
	<p>Click it to start track(Not supported right now)</p>
	<p>Click it to enable automatic scan(Not supported right now)</p>
	<p>Click it to enable the windshield wiper (Not supported right now)</p>
	<p>Click it to enable the light (Not supported right now)</p>

	Click it to view the preset
	Click it to view the cruise line

14.3 Record Play back











Click **Playback** on the left top of the interface to go to playback interface as shown below.












Select the record start time, record type and then click the device to play back the record of the device on the right side of the playback interface. You can also click  button to search the record and then click  to play the searched record.

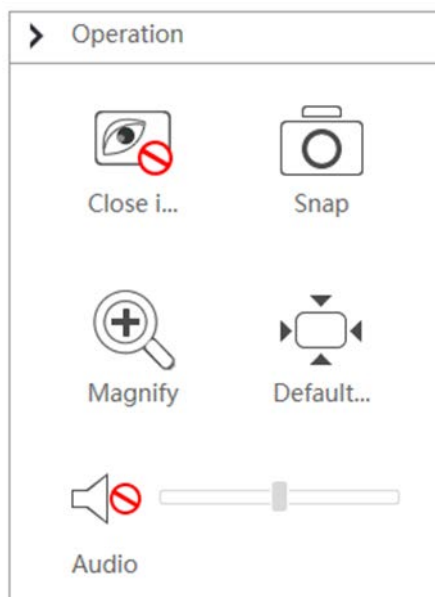


The playback control buttons are introduced as follows.


Button	Description
	Click it to show screen mode button
	Click it to close all the playback channels
	Full Screen
	Retreat (Not supported right now)
	Play backwards (Not supported right now)
	Stop
	Pause
	Playback speed bar
	Playback frame by frame. When playing back, click  firstly and then click this button to play frame by frame

	Forward 30s or backward 30s
	Event list. Click this button to pop up the event list
	Record playback model: synchronous or asynchronous
	Playback source setup. Local playback \ remote playback \ all playback are available
	Click  to zoom in the proportion; click  to zoom out the proportion; click  to recover the proportion to 24 hours' proportion. When time scale is zoomed in, you can view the other time points by dragging the timeline

Click  on the right side of the playback interface to show the operation panel as shown below. The buttons on the operation panel in the playback interface are the same with that of the live preview interface. Please refer to section 14.2 for detail.























14.4 Device Management

Click **Device Management** to go to device management interface. Click  to add device by **quickly add, manually add and Auto Report**. The operations are similar to that of the CMS main program.

Live Preview Playback **Device Management**

Device Management

🔍

Index	Device Name	Device Type	Channel Count	Alarm In Count	Alarm Out Count	IP/Domain	Port	Device Number	Edit	Delete
1	New Device001	ONVIF	0	0	0	192.168.122.36	80			
2	New Device002	IPC	0	0	0	192.168.12.19	9008			
3	New Device003	IPC	1	1	1	192.168.12.158	9008			
4	New Device004	IPC	0	0	0	192.168.10.5	9008			
5	New Device005	IPC	1	1	1	192.168.12.89	9008			
6	New Device006	IPC	0	0	0	192.168.10.3	9008			
7	New Device007	IPC	0	0	0	192.168.10.16	9008			
8	New Device008	IPC	0	0	0	192.168.10.4	9008			
9	New Device009	IPC	1	1	1	192.168.12.160	9008			
10	New Device010	IPC	1	1	1	192.168.12.199	9008			

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View 1 - 10 of 33