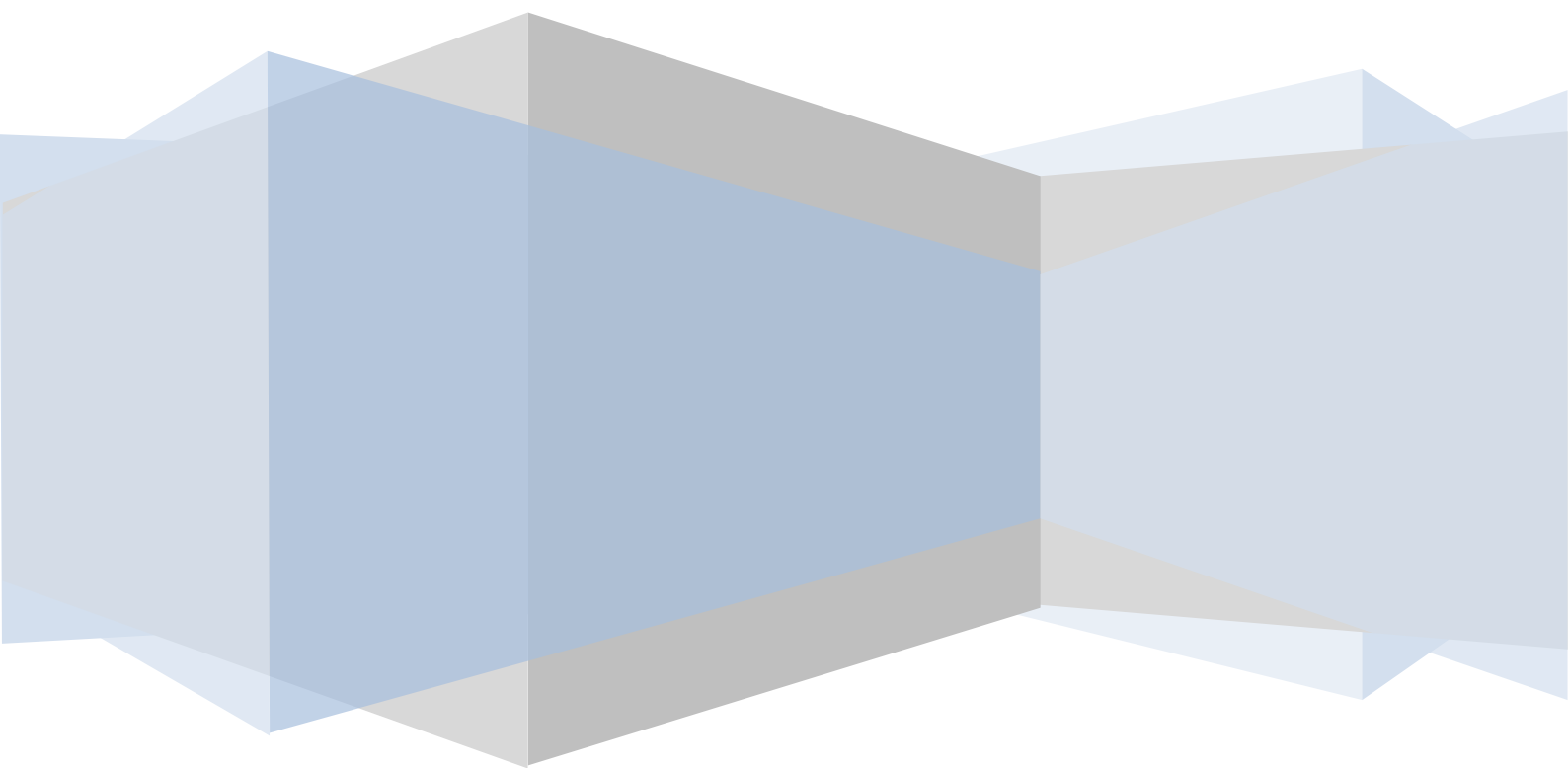


# CMS

## User Manual



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# 1 Software Introduction

In this chapter, you will read a detailed introduction of the operation environment, install & uninstall of this software.

## 1.1 Summary

Control Center Software (hereinafter referred to as “CMS”) is a monitoring client which is specially designed for network video surveillance. After the network video monitoring system is well 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.

## 1.2 Operation Environment

1 ) Operating System Requirement:

System	Recommendation
Windows XP	Windows XP professional version (32bit), direct 9.0c. Microsoft YaHei front need to be installed.
Windows 7	Windows 7 (2bit/64bit , support SP1) , Direct 11.0 or above
Windows8	Windows 8 (32bit/64bit) , Direct 11.0 or above

2 ) Hardware Requirement :

Item	Recommendation
CPU	Intel Core Dou , 2.6GHz or higher
Memory	2GB or above
HDD	250GB or above
Graphics Card	Independent graphics card; 512M graphics memory or higher

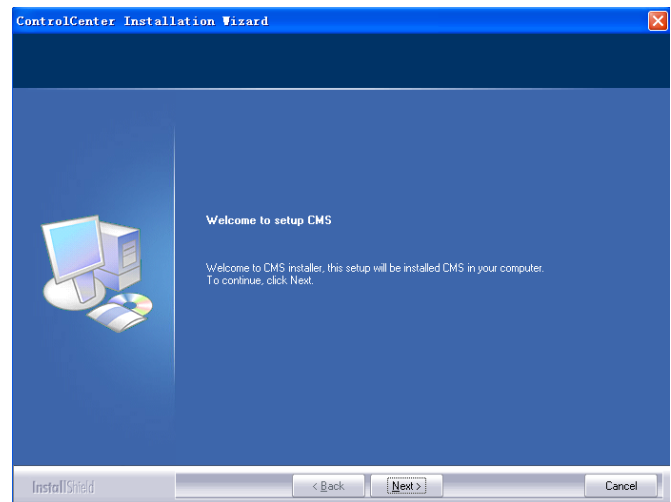
3 ) When running CMS, you need to ensure that all the running antivirus software and firewall are closed, so that the program of the CMS can be installed.

## 1.3 Install and Uninstall

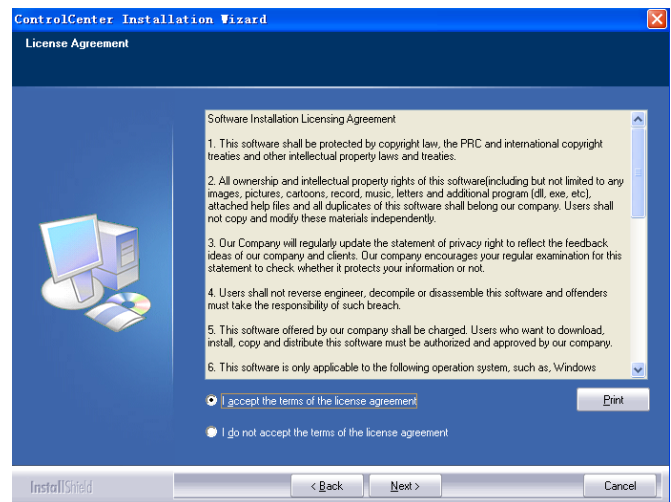
### 1.3.1 Install the Software

Double click “Setup.exe” to enter the Installation Wizard

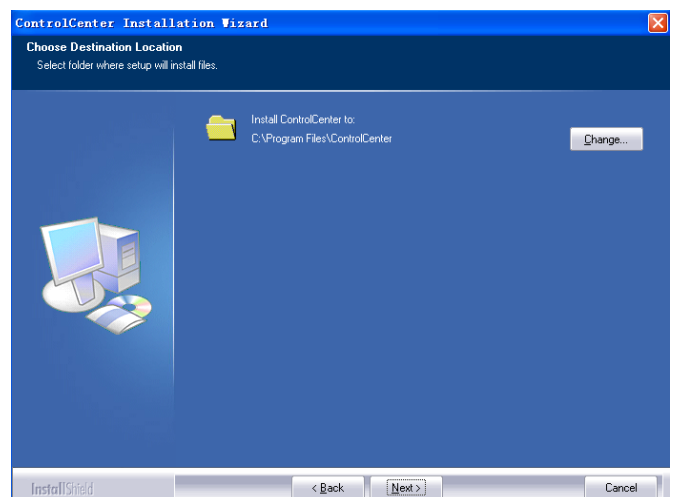
Click **【Next】** to install.



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

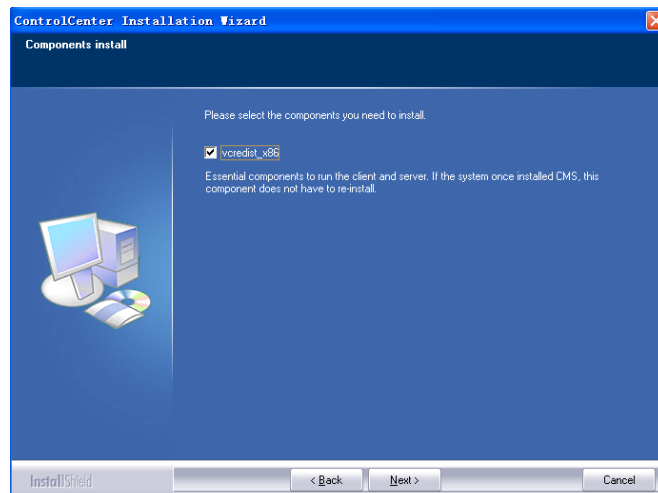


Click **【Change】** button to change the directory to save the program files. Click **【Next】** to continue.

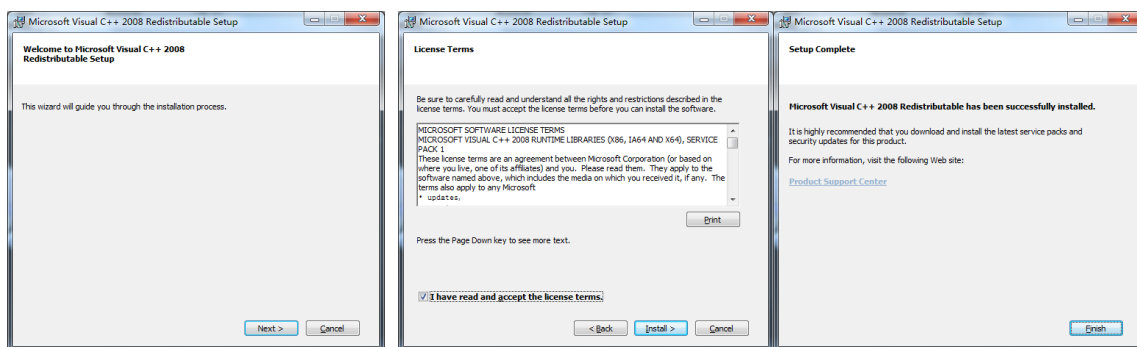


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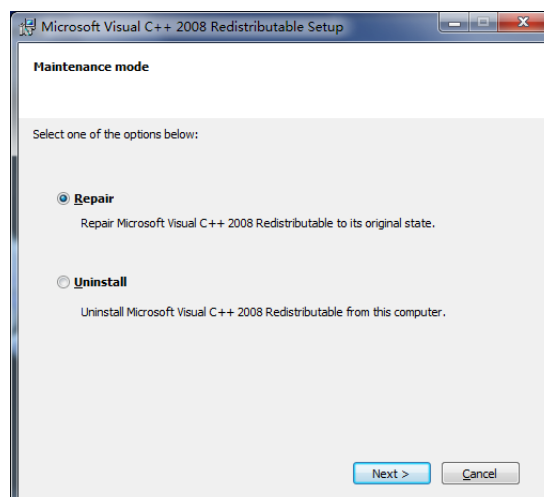
Check “Vcredist\_x86” and click **Next** to install this plug-in.



Click **Next** ; check “I have read and accept the license terms” and click **Install** to start installation of Vcredist\_x86; then click **Finish** to complete installation. Please refer to the below three pictures.

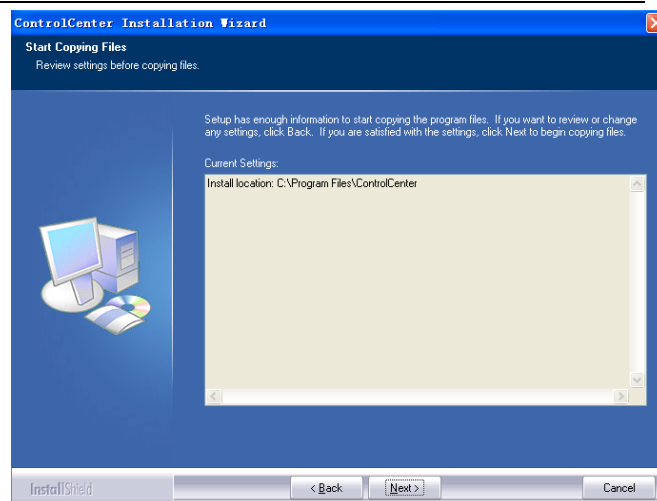


**Note:** If the above plug-in has been installed, please click **Repair** and click **Next** to repair software. Click **Finish** button to finish repairing.

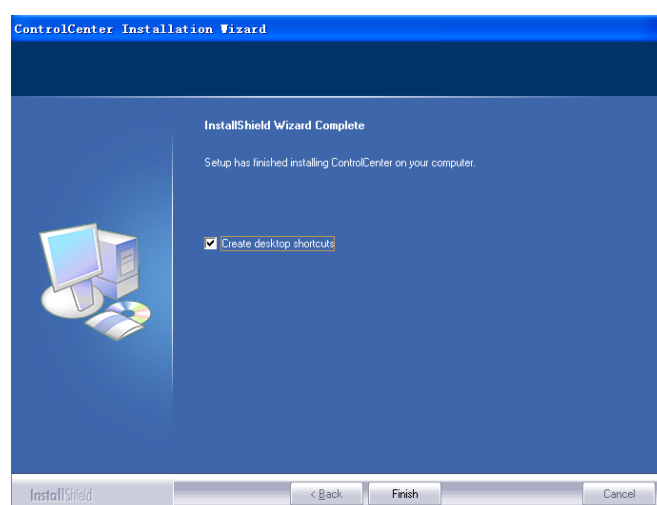


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Click **【Next】** to continue.

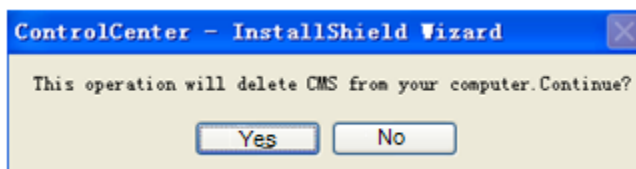


At last, check “Create desktop shortcuts”, and then click **【Finish】** button to complete installation.

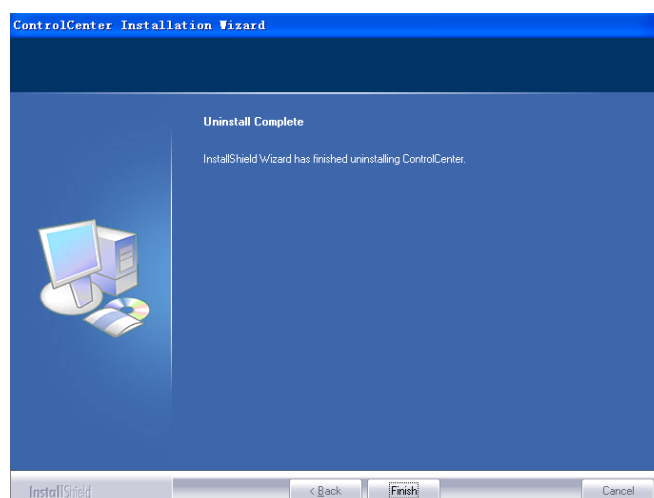


### 1.3.2 Uninstall the Software

Click “Start” at the bottom of the desktop to find the shortcut of CMS ; then click “Uninstall” to pop up a dialog window; click **【Yes】** to uninstall the software.



At last, click **【Finish】** button to finish uninstall .



## 2 Login Software

### 2.1 Login

#### First time to login:

- ① For the first time to run the CMS, you need to register a super administrator. You shall self-define the username and password.
- ② To avoid forgetting the password, you can set some questions to help you find the password quickly.
- ③ After you input your user name, password and set the questions and answers, click **【Register】** to enter into the software.



**Register Super User**

User Name

Password

Confirm Password

To avoid forgetting, please fill out the real information, which will help you get the password quickly by answering those questions.

Question one

Answer

Question two

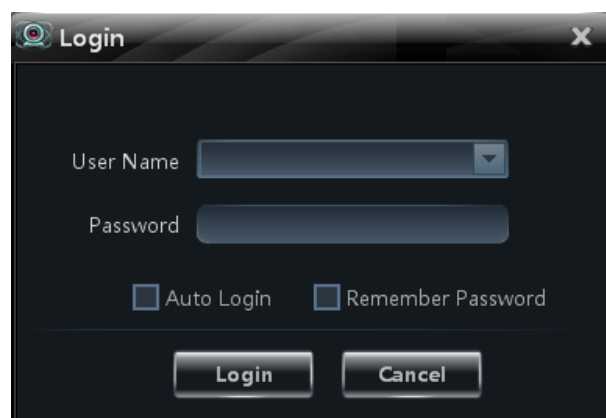
Answer

**Register** **Cancel**

Input the username and password created by yourself.

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

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



**Login**

User Name


Password

☐ Auto Login ☐ Remember Password

**Login** **Cancel**

#### Successful login for first time:

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



**Record Partition**

**Set the Partition of the System Record**

Please select the partition of the system record. The available space of the partition must be more than 2GB.

<input type="checkbox"/>	Partition Symbol	Partition Size	Remaining Space
<input type="checkbox"/>	C:	37.6G	25.0G
<input type="checkbox"/>	D:	58.6G	45.0G
<input checked="" type="checkbox"/>	E:	58.6G	30.9G
<input type="checkbox"/>	F:	78.1G	68.8G

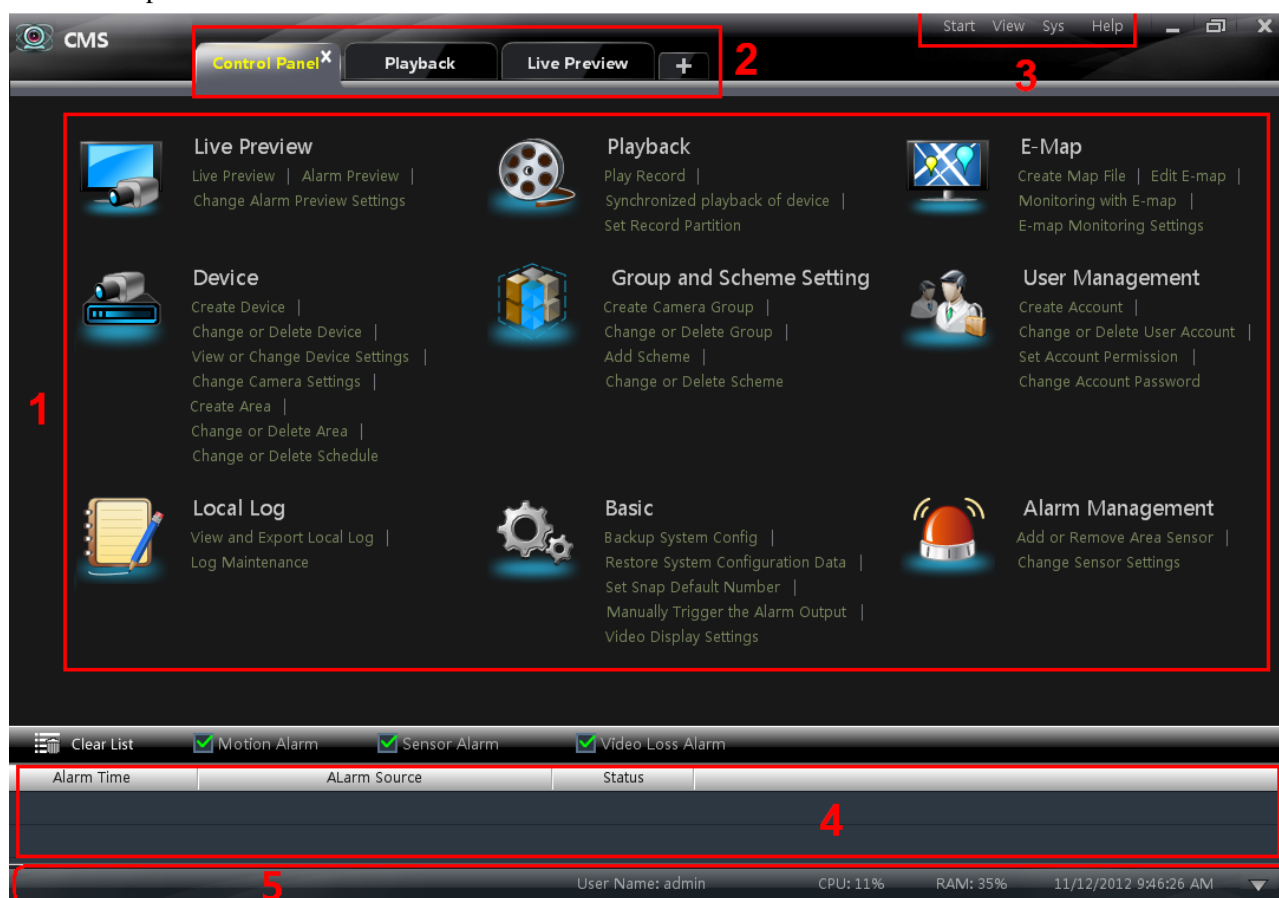
**OK** **Cancel**



## CMS User Manual

### 2.2 Control Panel Instruction

The control panel of CMS is shown below




There are five areas in the main interface of this software. The descriptions of each area are as follows :

Area	Description	Area	Description
1	Function Area	2	Tab Bar—to display the operated functions
3	Menu Bar	4	Alarm Information List.
5	Status information list		









Description of Menu Bar

Menu	Description
Start	Export the control panel, live preview, playback tab and lock or exit the client.
View	Export the live preview, control panel, local log, E-map, alarm preview, playback, user account and permission, basic configuration and device management and organize the live view
System	Including lock client , broadcast to device, switch user, import or export configuration, etc.
Help	View user manual and software version





Descriptions of Function Module

Menu	Description
	Live Preview: To view live images and record, snap, control PTZ, etc.


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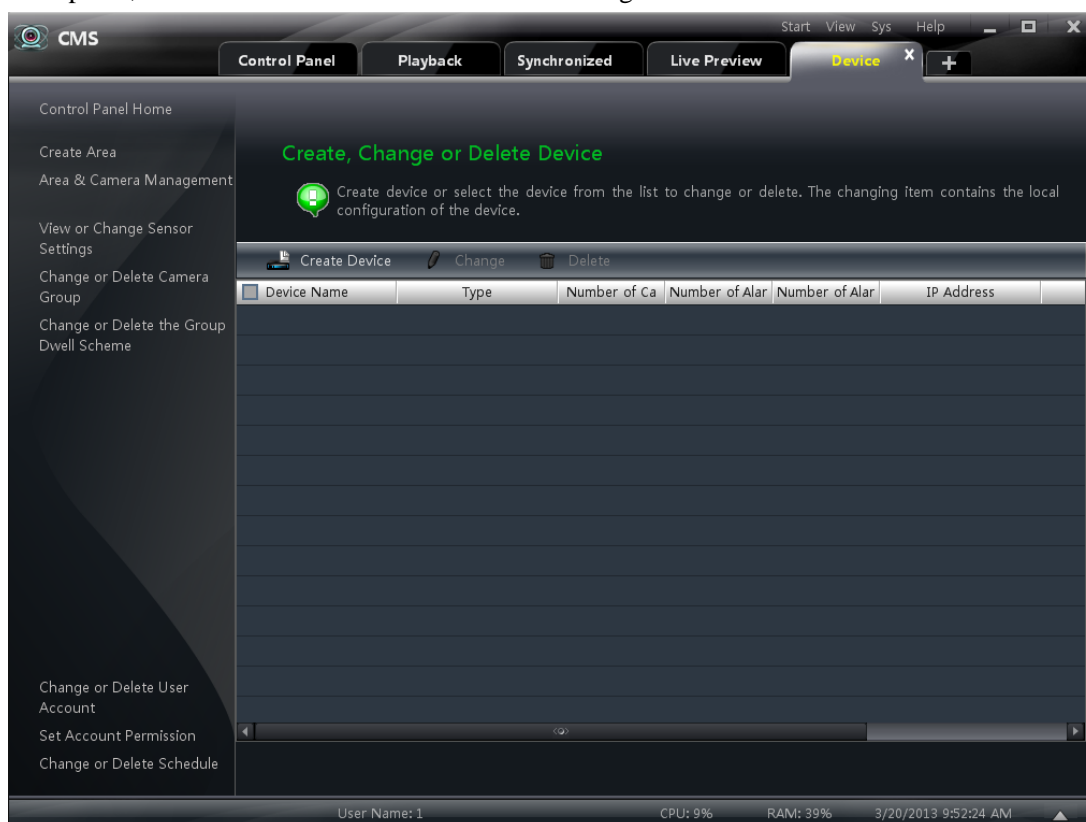
	Playback: To remotely play the local record.
	E-map: To manage and display maps, hot zones and hotspots. To operate E-maps – zoom in/out e-maps, view hot zones and hotspots, display alarm information on the map.
	Device Management: To create, modify or delete areas, devices and cameras.
	Group and Scheme Settings: To create, modify or delete camera groups and schemes.
	User Account and Permission: To add, modify, delete user and user permission.
	Local Log: To search, view and backup local log.
	Basic Configuration: To setup record partition and path, system startup and maintenance & backup and restoration.
	Alarm Management: To add or remove the sensor of the area; To setup alarm trigger and modify the area of the sensor.

### Descriptions of Other Buttons

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

## 3 Device Management

In the control panel, click  icon to enter the device management interface.



### 3.1 Add Device

Click  button to enter the interface.

- ① Select device type and input device name;
- ② Input IP address or domain, port of the device, then input its user name and password.
- ③ Create an area. If you haven't created area, you can click "Create a New Area" to create.
- ④ Check "Upload bandwidth more than 2M" according to the actual network situation. Checking or not checking it will affect the stream choice of live preview.

**Note:** You can click "Create an Area" shortcut menu under Device to create an area in the control panel.

You can also check "Auto report" to add device. The setting steps are as follows:


- Choose the device type and check "Auto".
- Input device name.
- If you want to add DVR, please enter Network→Sever tab from device. Check "Enable", input IP address and port(2009) of CMS & device ID.
- If you want to add IP camera, please enter Network Configuration → Server Configuration. Check "Do you want IP camera to connect server" and input Server Address, Server Port and Device ID (Here Server refers

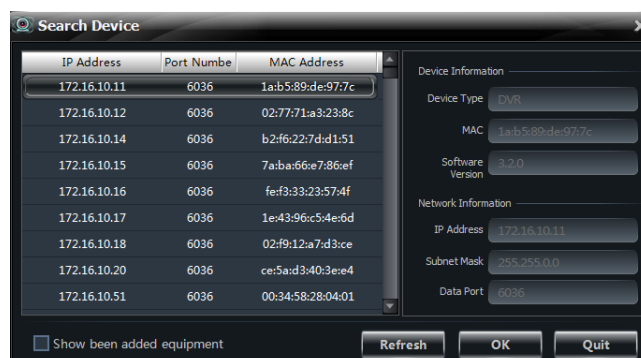
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to CMS).

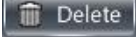
- Input the Device ID according to the device ID of DVR or IP camera device.

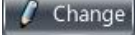
### ➤ Add Online Devices

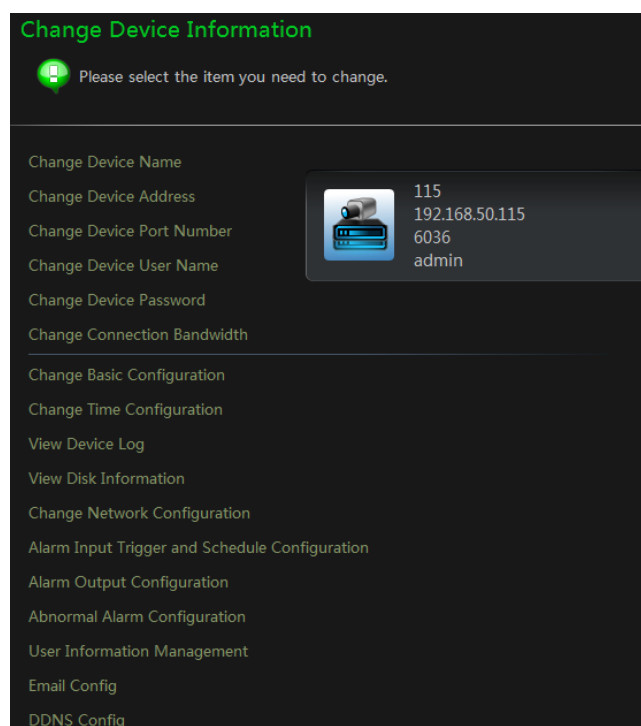
Click  button to automatically search online devices in the local network. Click a device to display its basic information. Double click it to add it. If the device is added, this device will be hidden in the search device interface.



## 3.2 View, Change or Delete Device

Select the added device and click  button to delete the device from the list.

Select the added device and click  to pop up a window. In this interface, you can change the device name, address, port, or change basic configuration, time configuration, DDNS configuration and Email configuration, etc.



### ➤ Change the Device Name

Click **“Change Device Name”** to change the name of selected device.



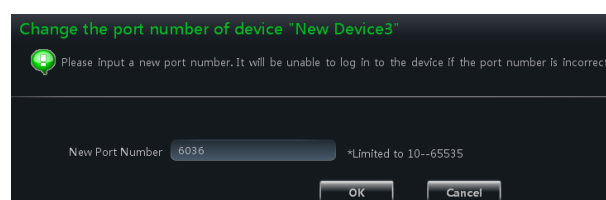
### ➤ Change Device Address

Click **“Change Device Address”** to change the IP address of selected device.



### ➤ Change Device Port Number

Click **“Change the Port Number of Device”** to change the port of selected device.



### ➤ Change Device User Name

Click “*Change Device User Name*” to change the device account name.

Change the login user name of device "New Device3"

Please input a new user name.

New Account Name  \*Limited to 1-60 characters

OK Cancel

### ➤ Change Device Password

Click “*Change Device Password*” to change device password.

Change the Password of Device "New Device3"

Please input a new password.

Password  Limited to 32 characters

Confirm Password

OK Cancel

### ➤ Change Connection Bandwidth

Check “*Upload bandwidth more than 2M*” according to the actual situation.

**Note:** Checking or not checking it will affect the stream choice of live preview.

Change the upload bandwidth of the device "New Device3"

Change the upload bandwidth of the device.

☒ Upload bandwidth more than 2M

OK Cancel

### ➤ Change Basic Configuration

Click “*Change Basic Configuration*” to pop up a dialog box. You can change the basic configuration of device and check “Permission Check” or “Record Coverage” according to the actual situation.

Device Name

Device ID

Video Format

Max Online Users

Video Output

☒ Permission Check ☒ Record Coverage

Save Cancel

### ➤ Change Time Configuration

Click “*Change Time Configuration*” to enter the interface. Change the time and date if you need.

Check “Sync by NTP Server” to synchronize with NTP server.

Change the Time Configuration of Device "115"

Configure the Date and Time.

Date and Time Settings

Date Format

Time Format

Time Zone

☒ Synchronization by NTP Server

NTP Server

DST Settings

☒ Enable Daylight Saving Time

DST Mode  Time Difference(s)

Start Time

Month  Week  Day  Time

End Time

Month  Week  Day  Time

Save Cancel

### ➤ View Device Log

Click “**View Device Log**” to enter the interface.

Choose the type of system logs; enter start time and enter time to search the log information of the device.

### ➤ View Disk Information

Click “**View Disk Information**” to check the detail information of disk from the list.

ID	Type	Size[GB]	Idle[GB]	Status	Property	Source
1	SATA	149.05	0.00	normal	Read & Write	

Refresh Back

### ➤ Change Network Configuration

Click “**Change Network Configuration**” to enter the interface. You can change HTTP port, Server port; network address, etc.

**Note:** If changing the port and IP address there, the network will disconnect. Then you need to accordingly change the port and IP address of the device connecting the CMS.

### ➤ Alarm Input Trigger and Schedule Configuration

Click “**Alarm Input Trigger and Schedule Configuration**” to enter the interface. Select a sensor corresponding to the alarm input; choose a type and holding time for it. You also can set trigger alarm or other configurations.

### ➤ Device Alarm Output Configuration

Click “*Alarm Output Configuration*” to enter the interface. Select an alarm output and holding time; then edit a name for it. You can enable buzzer alarm and set a time for it.

### ➤ Abnormal Alarm Configuration

Click “*Abnormal Alarm Configuration*” in to enter the interface. Choose the alarm type according to your need. Enable “Buzzer Alarm” and select alarm out and trigger Email.

### ➤ User Information Management

Click “*User Information Management*” shortcut to enter the interface. You can check the information of user who is logging in the device.

User Name	User Type	Binding MAC Address
admin	Administrator	00:00:00:00:00:00
1	Ordinary User	00:00:00:00:00:00
2	Ordinary User	00:00:00:00:00:00

System Permission

- ☐ Manual record
- ☐ Playback
- ☐ Backup
- ☐ PTZ Control
- ☐ Live monitoring
- ☐ Remote monitoring
- ☐ Check Log
- ☐ System setup
- ☐ Shutdown
- ☐ Data management
- ☐ Disk management
- ☐ Remote login
- ☐ Talk

Add Delete Change Save Cancel

### ➤ Email Configuration

Click “Email Configuration” to enter the interface. You can configure the basic parameters of Email.

STMP Server: smtp.gmail.com

STMP Port: 465

Security Connection: SSL

From Email:

Password:

☒ Attachment

Information Of Receiver

Receiver	Email Address

Add Change Delete Save Cancel

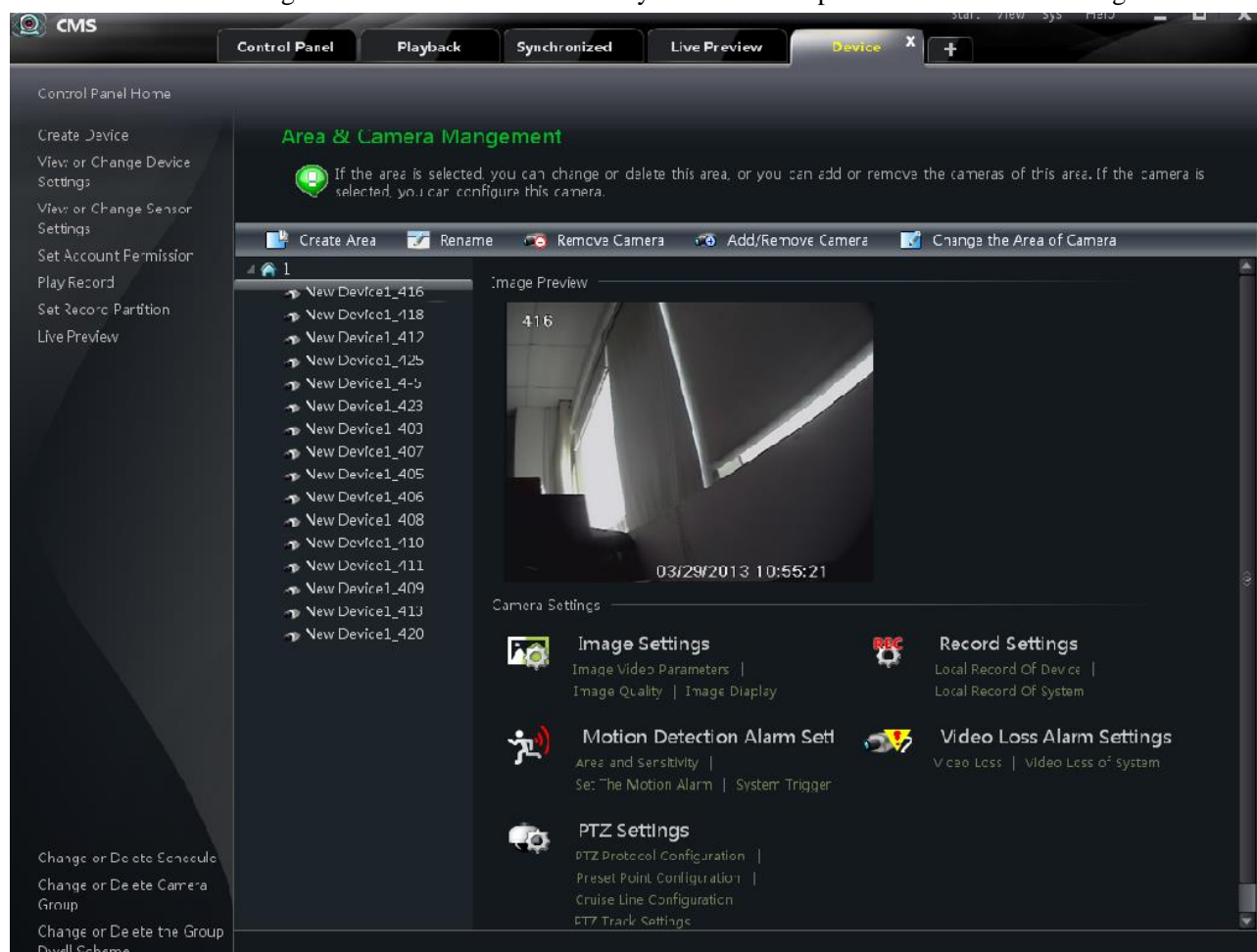
### ➤ DDNS Configuration

Click “DDNS Configuration” to enter. You can configure the basic parameters of DDNS.



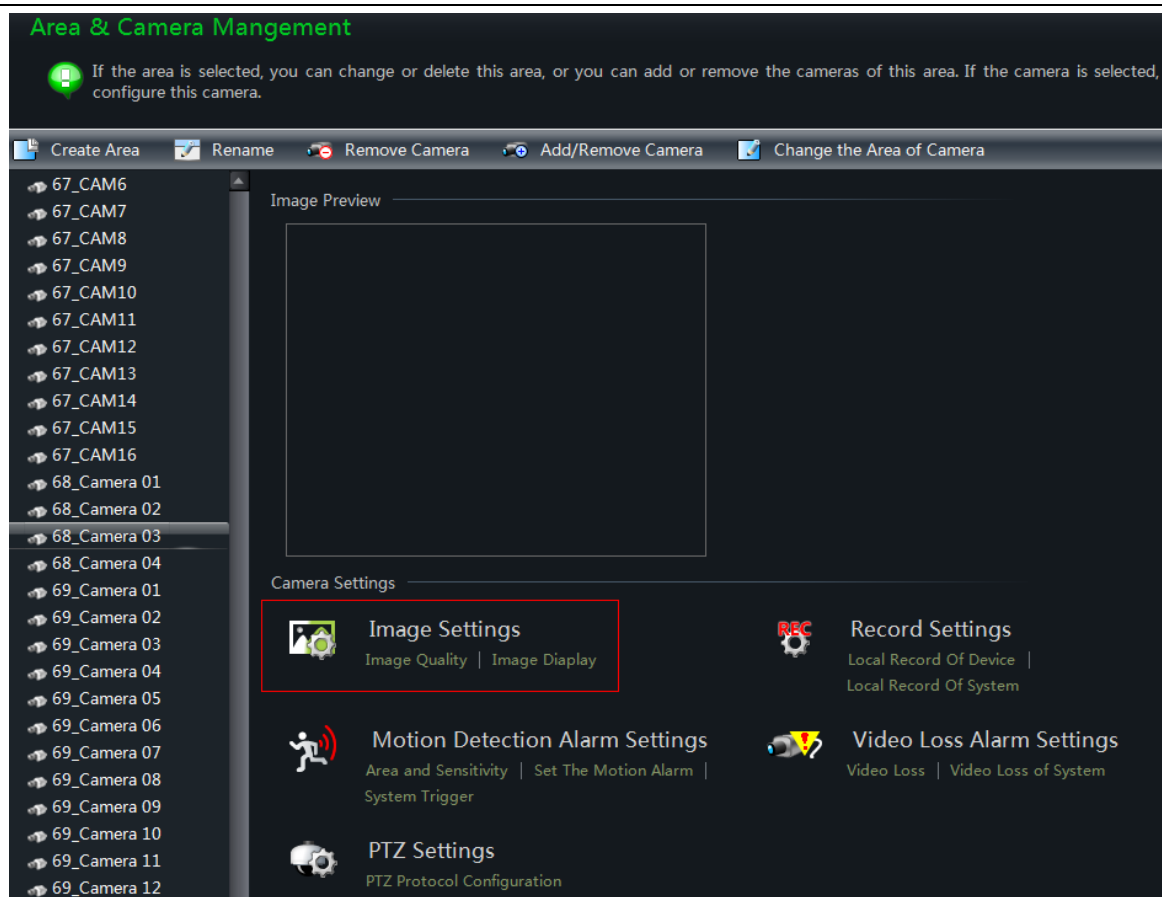
## 3.3 Area and Camera Management

In the control panel, click “*Area & Camera Management*” under Device to enter the interface. You can modify or delete the area and manage the cameras. Select a camera you want to setup as shown on the below figure.



The camera without some functions will not display “Image Video Parameters” as shown in the following picture.



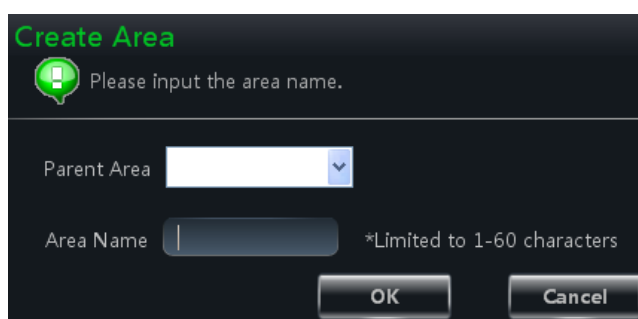


### 3.3.1 Area Management



Click  button to create area.


Select an area and click  button to change its name.

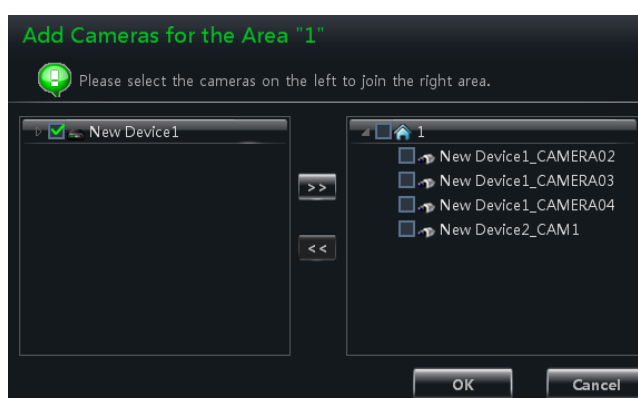
Select an area and click  button to delete it.



Select an area and click  to pop up a window.

- ① Check the camera on the left column and click  button to add the camera to the area.
- ② Check the camera on the right column and click  button to remove the camera from the area.

Select a camera and click  button to modify the area of this camera.



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### 3.3.2 Camera Management

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

#### ➤ Image Settings

Image settings include image video parameter, image quality and image display.

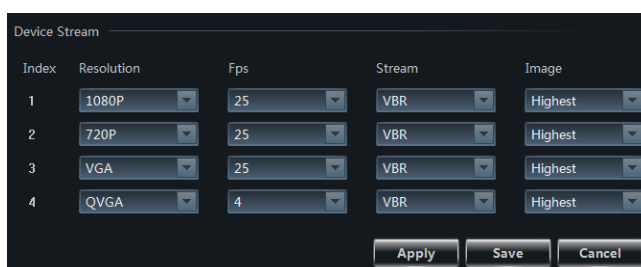
Click ***“Image video parameters”*** to enter the interface .

- ① Adjust the brightness, contrast, saturation and chroma of the image.
- ② Clicking **【Restore Default】** button will restore the above parameters to factory default settings.



Click ***“Image Quality”*** under Image Settings to enter the interface.

Choose the device stream, resolution, quality, etc. according to practical situation.



Click ***“Image Display”*** to enter the interface.

- ① Create the camera's name and set up its display position on the OSD including the time stamp.
- ② Click **【Copy to】** button to apply the settings to the selected channel.



#### ➤ Record Settings

Click ***“Record Settings”*** to enter the interface as shown on the right.

Under the record of device

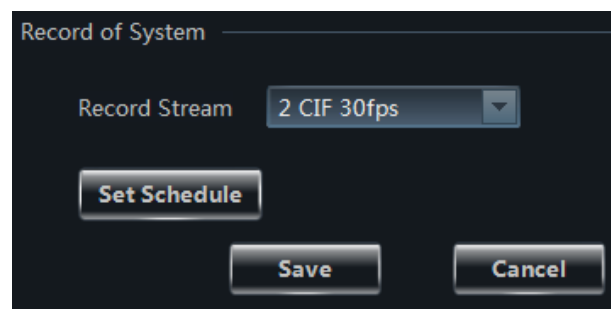
- ① Choose pre-recording time, duration and record save time.
- ② Click **【Copy to】** button to save the settings to the selected channel.



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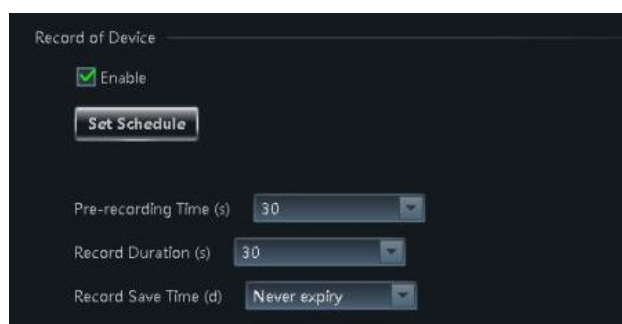
Under the record of system

You can set schedule and record stream.



### How to set schedule?



The picture of setting schedule record of device:



The picture of setting schedule record of system:



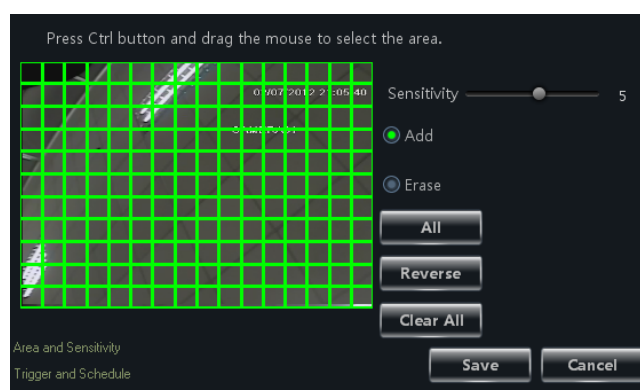
Click 【Set Schedule】 button to pop up the follow figure.

- Check “7x24” or “Custom Schedule” to set schedule.
- Click  icon and move the cursor to select the time.
- Click  icon to delete the selected time.
- Clicking “Manually” to manually input time
- Click “All” / “reverse” to quickly select the time.
- Click “Empty” to clear all the time.

### ➤ Motion Detection Alarm Settings

Click “Area and Sensitivity” under Motion Detection Alarm Setting to enter the interface.

- ① Drag slide bar to set the sensitivity value. The higher the value is, the more sensitive it is.



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- ② Click “Erase”/ “Add”, then hold press “Ctrl” and left click mouse to delete /add the area you want.
- ③ Click **【All】** / **【Reverse】** / **【Clear All】** button to select area or clear all the area quickly.

Click **“Set Motion Alarm”** under Motion Detection Alarm Setting to enter the interface.

**Note:** Please refer to the user manual of the device for device linkage configuration.

The screenshot shows the 'Set Motion Alarm' configuration window. It includes a checkbox for 'Enable Alarm'. Below it is a 'Set Schedule' button. The 'Alarm Duration' is set to 10. There is a checked checkbox for 'Trigger Buzzer'. Below that are buttons for 'Trigger Alarm Output' and 'Trigger the Record Channel'. The 'Big Screen Channel' is set to 'Null'. There is a checked checkbox for 'Trigger Email'. Under the 'Trigger PTZ' section, 'Channel' is set to 'Channel1', 'Type' is 'No Trigger', and 'Number' is empty. At the bottom are 'Copy to', 'Save', and 'Cancel' buttons.

Click **“System Trigger”** under Motion Detection Alarm Setting to enter the interface.

Under the system linkage, check “Trigger to Play Audio File”. If the motion alarm of a certain channel is triggered, there will be given out a sound like “beep”.

The screenshot shows the 'System Linkage' configuration window. It has a checkbox for 'Trigger to Play Audio File'. Below it are buttons for 'Trigger the Big Screen' and 'Trigger the Record Channel'. To the right of the 'Trigger the Big Screen' button, it says 'Current big screen channel: Null'. At the bottom are 'Save' and 'Cancel' buttons.

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.

### ➤ Video Loss Alarm Settings

Click **“Video Loss”** to enter the interface. The steps of configuring video loss are same with the device settings, please refer to the video loss chapter of device user manual.

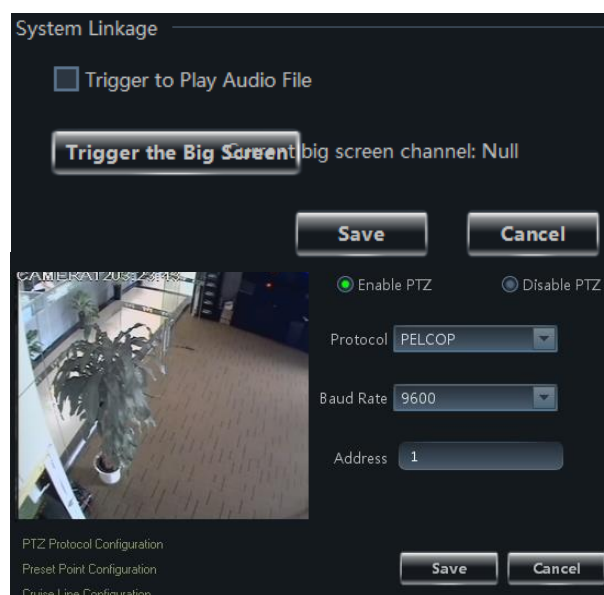
The screenshot shows the 'Video Loss Alarm Settings' configuration window. It has a checked checkbox for 'Trigger Buzzer'. Below it is a button for 'Trigger Alarm Output'. The 'Big Screen Channel' is set to 'Null'. There is an unchecked checkbox for 'Trigger Email'. Under the 'Trigger PTZ' section, 'Channel' is set to 'Channel1', 'Type' is 'No Trigger', and 'Number' is empty. At the bottom are 'Copy to', 'Save', and 'Cancel' buttons.

## Video Loss of System

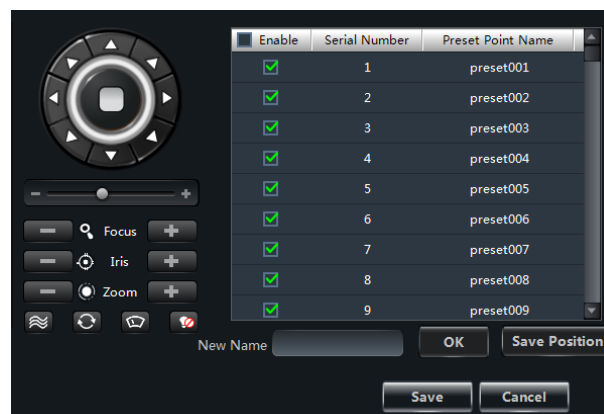
Click **"Video Loss of System"** to enter the right window. You can set the video loss of system.

### ➤ PTZ Settings

Click **"PTZ Protocol Configuration"** under PTZ Settings to enter the interface. You can enable or disable PTZ. From the Protocol and Baud Rate drop-down menu, choose a protocol and a baud rate to associate with the PTZ, and then input the address of the PTZ connecting the software.






Click **"Preset Point Configuration"** under PTZ Settings to enter the interface. Enable corresponding preset points and create a new name in the "New Name" field by selecting the preset point. Adjust the dome direction, speed, etc by clicking the buttons. Click **【Save Position】** to save the current position of the dome.



The definitions of the buttons are below:

Buttons	Description
	means the dome rotate up;  means the dome rotate up left;  means the dome rotate up right;  means the dome rotate down.  means the dome rotate left down;  means the dome rotate right down;  means the dome rotate left;  means the dome rotate right;  means the dome stop rotating
	Drag the slider bar to adjust rotation speed of the dome
	Focus button. Click  button to obtain long focus. Click  button to obtain short focus
	Iris button. Click  button to increase light of the dome. Click  button to decrease light of the dome
	Zoom button. Click  button to zoom in the picture of this camera. click  button to zoom out the picture of this camera
	Track

	Auto Scan
	Wiper button
	Light button

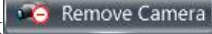
Return to Area and Camera Management interface, and then click **“Cruise Line Configuration”** PTZ Settings. You can add/change/preview/delete curies.



In the Area and Camera Management interface, click **“PTZ Track Settings”** to see the picture on the right hand. You can set the PTZ track.

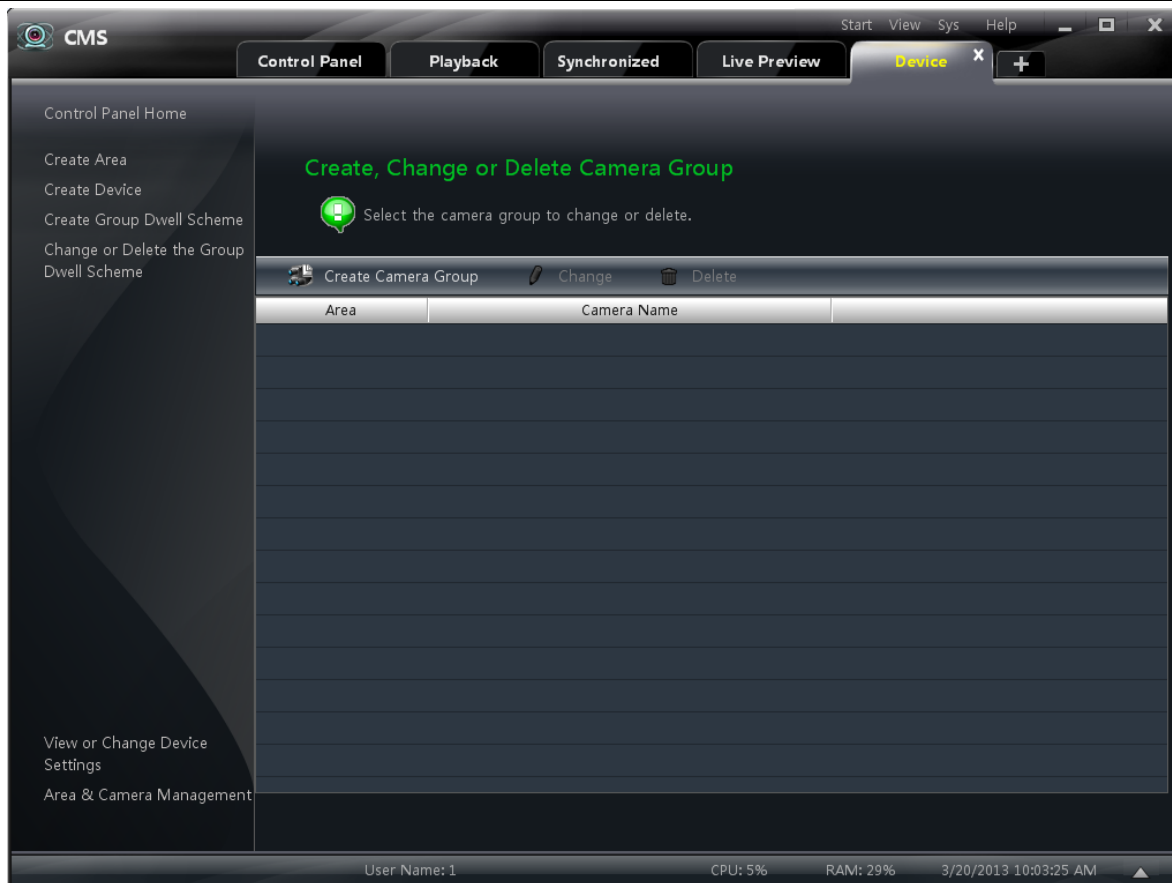


#### ➤ Remove camera

In the Area and Camera Management interface, select a camera, click  button to pop up a dialog window, click **【OK】** button to remove the camera.

## 4 Group and Scheme Setting

In the interface of control panel, click **“Group and Scheme Setting”** to enter the interface. Please refer to the below picture:



## 4.1 Create, Change or Delete the Camera Group

In the above interface, click



button to create a group.

Select a group in the group list, click

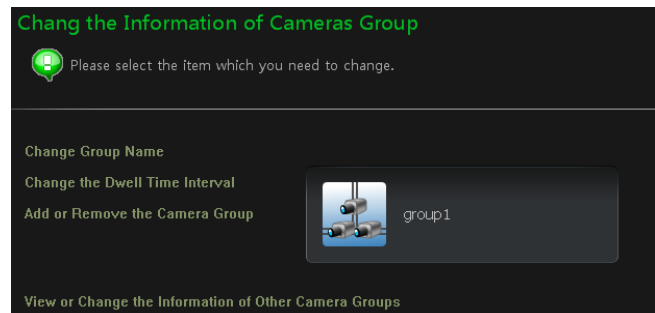


button to delete it.

Select a group and click

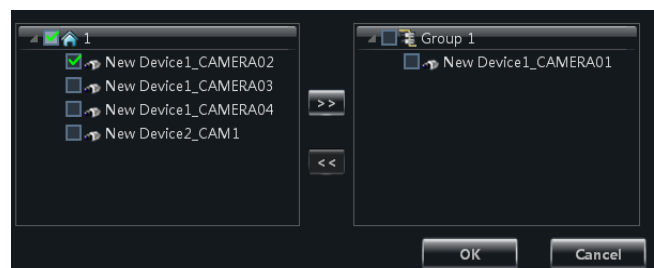


button to enter the interface as shown on the right. You can change the group name and dwell time interval in this interface.



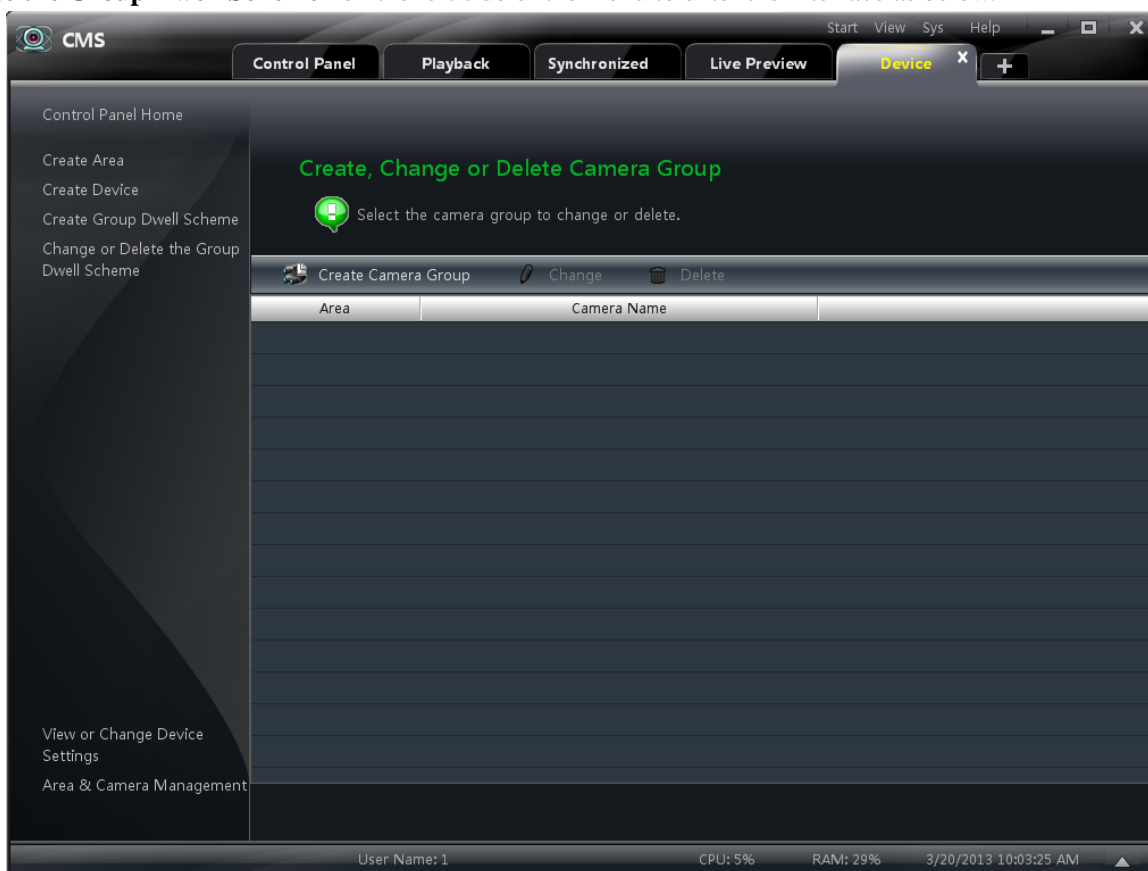
## 4.2 Add or Remove the Camera Group

- Select a group and click button to enter the interface. Then click ***“Add or Remove the Camera Group”*** to pop up the window as shown on the right.
- Check cameras on the left and click button to add the selected cameras to the group on the right.
- Check cameras on the right, then click button to remove them from the group.



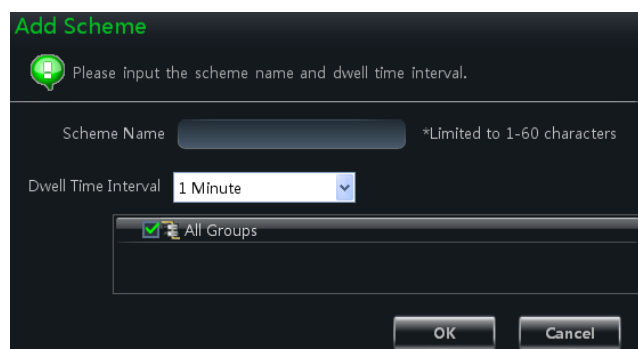
## 4.3 Create, Change or Delete Group Dwell Scheme

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





### 4.3.1 Create Scheme



Click  button to create a scheme. The added scheme will be displayed in the scheme list.

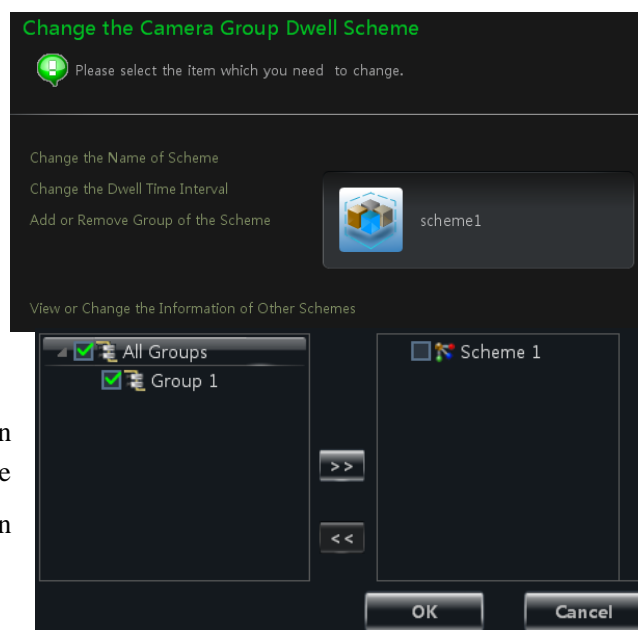


### 4.3.2 Change and Delete Group Dwell Scheme

Select a scheme in the scheme list, click  button to delete it.

Select a scheme and click  button to enter the interface. You can change the name of scheme and the dwell time interval.

Select a scheme and click  button. Then click “**Add or Remove Group of the Scheme**” to enter the interface. • Check group on the left and click  button






## CMS User Manual

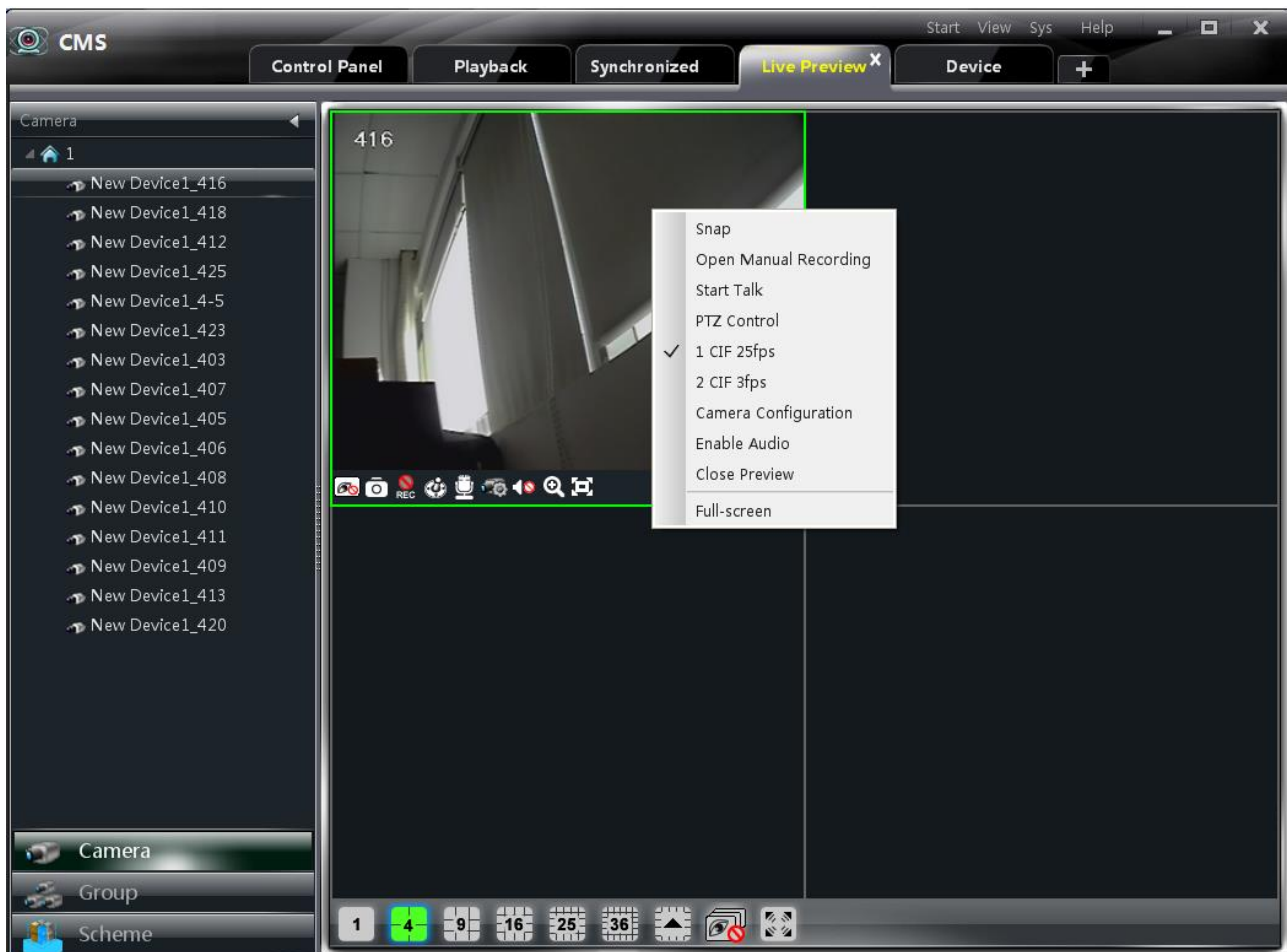
---

to add the selected group to the scheme on the right.

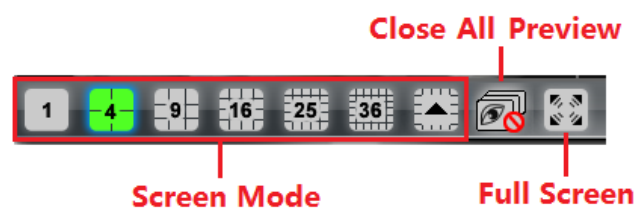
- Check group under scheme on the right and click  button to remove the group.

## 5 Live Preview

In the interface of control panel, click “Live Preview” to enter the interface:



Buttons description of live preview:



Toolbar on the display window:

Icon	Description	Icon	Description
	Close image		Snap
	Start/stop manual record		PTZ control. Clicking the icon will display the control panel of PTZ.
	Start/stop talk		Camera configuration
	Open/close audio		Zoon in
	Fit to window		

## CMS User Manual

Right button funtions:

Menu	Description	Menu	Description
<b>Snap</b>	Snap picture	<b>Open Manual Recording</b>	Start manual record
<b>Start talk</b>	Start or stop talk	<b>Camera Configuration</b>	Enter the interface of the area and Camera configuration
<b>Stream</b>	Choose stream to view.	<b>PTZ Control</b>	To display the control panel of PTZ
<b>Enable Audio</b>	Enable or close audio	<b>Close Preview</b>	Close single channel preview
<b>Full Screen</b>	To display in full screen		

## 5.1 Preview

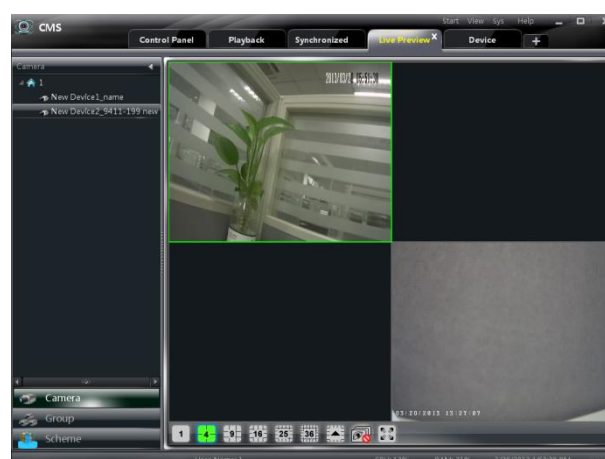
### 5.1.1 Monitory Point Preview

To start the live preview, drag the cameras from the list to the right display window or select a window and double-click the camera to display the live image.

You can drag the image to any window at random.


**Note:** Node unfold rule: After the first time for setting the device and area, you shall obey the following rule to view all tree nodes: when the tree node is more than 64 nodes, 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 nodes 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.



### 5.1.2 Stop Preview


#### ➤ Close Preview of Channel

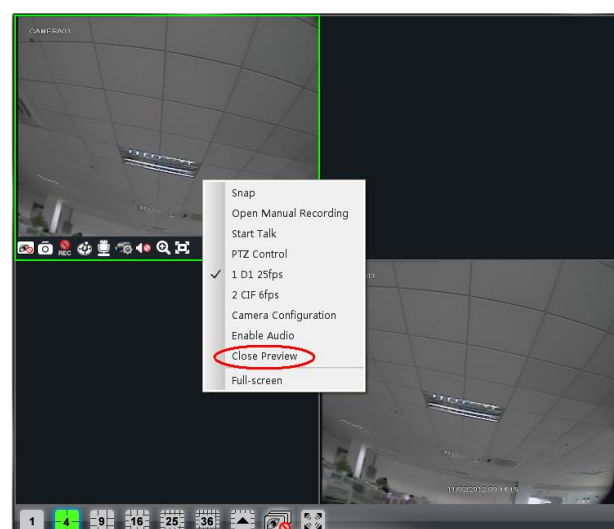
Place your mouse on the window to display the menu toolbar, then click  icon to close preview of this channel.

#### ➤ Close Preview by Right-clicking


Choose “Close Preview” by right-clicking the display window to close preview of this channel.

#### ➤ Close All Preview

Click  icon on the main menu toolbar to close all the windows.





## 5.2 Dwell Preview


After setting up group or scheme (Please refer to chapter 4 for creating group), enter to the live preview interface and click  button to display the group list or scheme list. The below sections will introduce how to realize group dwell and scheme dwell.

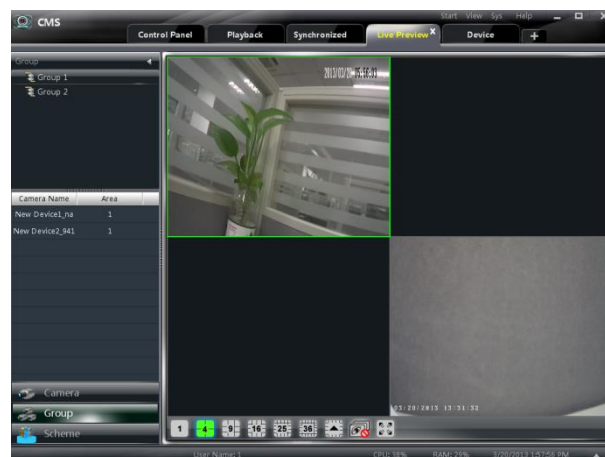
### 5.2.1 Group Dwell Preview

#### ➤ Start Group Dwell

In the interface of live preview, click  shortcut on the left side to display the groups, drag a group under scheme to any window ( icon stands for group). The cameras of this group will play one by one on this window at the set time.


#### ➤ Stop Group Dwell

Right click the display window to select “Close Preview” to close preview of the this channel or click  icon on the main menu bar to close all windows for stopping dwell.




### 5.2.2 Scheme Dwell Preview

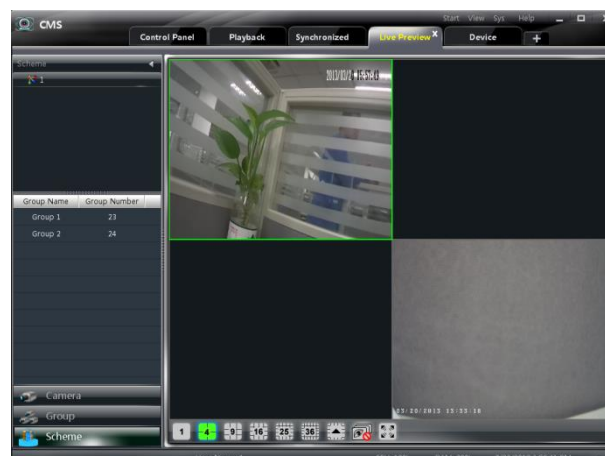
#### ➤ Start Scheme Dwell

In the interface of live preview, click Scheme shortcut on the left side and then drag a scheme to the right window to dwell ( icon stands for scheme). The screen mode will be distributed automatically according to the number of camera under the group

**Note :** To achieve dwell between devices, the device should be as a unit when adding groups. Then add all the groups into one scheme to dwell.


#### ➤ Stop Scheme Dwell

Click  icon to close all the windows for stopping scheme dwell.



## 5.3 Preview Control

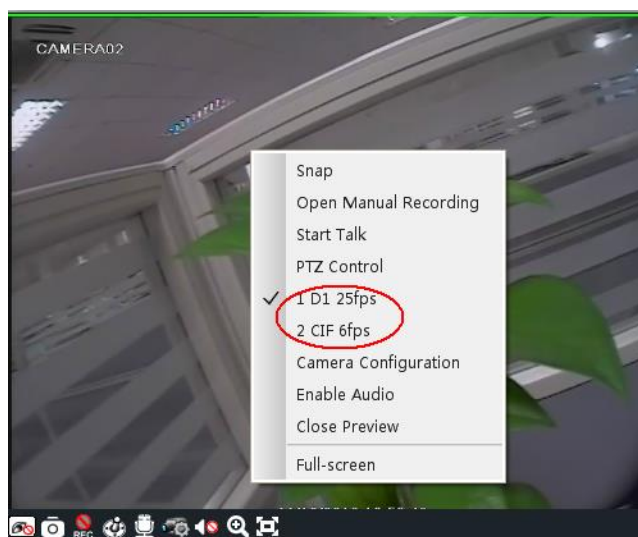
#### ➤ Full Screen

Click  icon on the display window or right-click to choose “Full Screen” to view in full screen.

Right-click to choose “Exit Full Screen” to exit full screen preview.

#### ➤ Single Channel in Full Screen

Double click the selected window to view in full screen.




## CMS User Manual


Double click again to recover the window.

### ➤ Stream of Live Preview

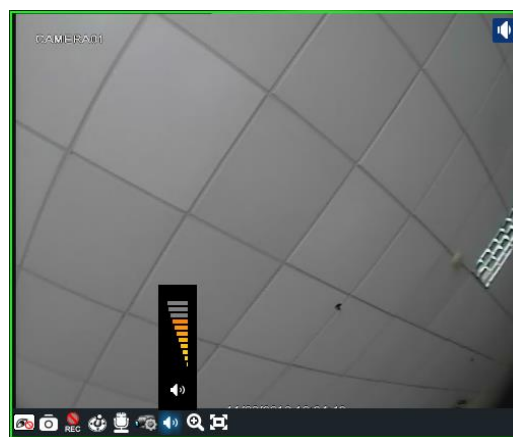
Right click on the display window to choose recording stream as shown on the right. The above stream is main stream (eg: D1 25fps) and the below is sub stream(eg: CIF 6fps).

Modify Device Stream: Click  button on the display window to enter the Area and Camera Management interface. Click **“Image Quality”** under Image Setting to modify device stream. Please refer to chapter 3.3.2 Image Settings for details.



### ➤ Audio

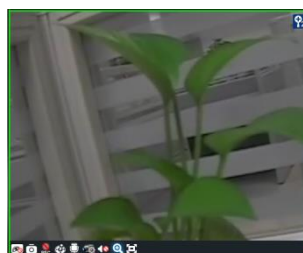
Right click on the displaying window to choose “Enable Audio” or click  icon to enable audio of this channel.

**Note:** Only one audio can be enabled at the same time. If enabling another channel's audio, the enabled audio will be closed automatically.




### ➤ Zoom In

Click  icon on the toolbar in the displaying window to zoom in the image; click  icon to recover the image.



## 5.4 Snap

### 5.4.1 Snap

click  button on the toolbar of the selected channel or right click 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.



### 5.4.2 Snap Number


In the interface of control panel, click **“Set Snap Default Number”** under **Basic** to configure the number you want to capture every time .

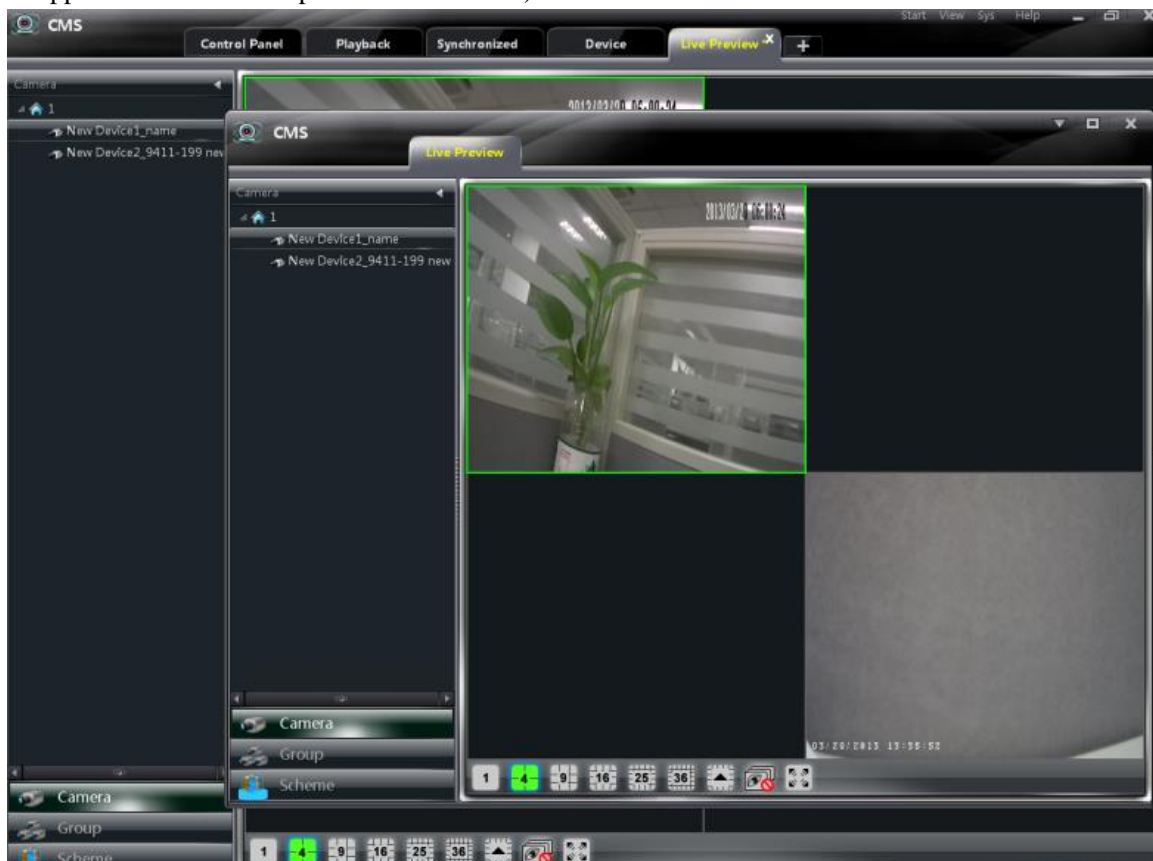
## CMS User Manual


### 5.4.3 Record and Snap Path

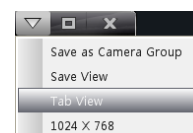
In the control panel, click **“Basic”** to enter the interface. Click **“Partition and Path”** to select a folder to save the record files. Click **“Set the Default Path of Snap”** under Partition and Path to set up the path to save the snap files.

### 5.5 Multi-screen to Preview

In the interface of live preview, click  button to plus a tab of live preview. Drag any tab of live preview or right click the tab of live preview to select **“Float”** to pop up a independent live preview interface as below. Multi-screen to display can be realized by dragging the independent interface to other screen (graphics card should support multi-screen output at the same time).



Clicking the  button of the live preview interface to choose **“Tab view”** can embed this tab in main interface .。




**Note** : 1. 20 live preview tabs can be added.

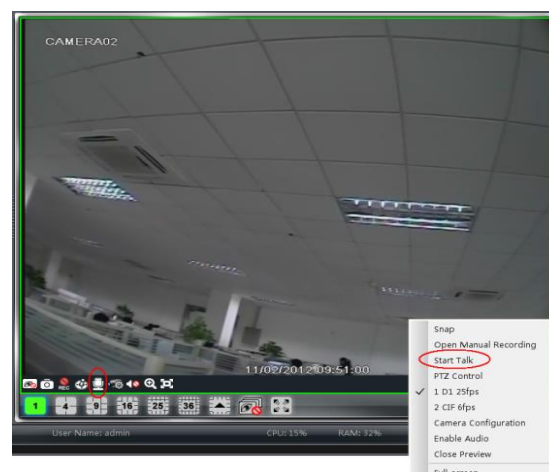
2. Live preview interface can be displayed on multiple screens.

## 5.6 Talk and Broadcast

### 5.6.1 Talk

Click  button on display window or right click to pop up a menu bar. Choose **“Start Talk”** to enable bidirectional audio.

**Note:** Since CMS only allow to open one device’s talk at the same time, the system will stop talk with the current device for enabling





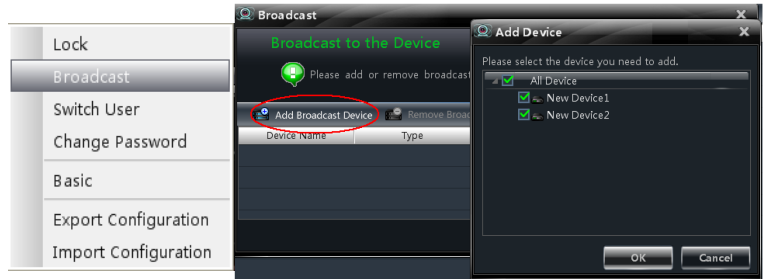


## CMS User Manual

new talk with another device which is launching talk.


### 5.6.2 Broadcast

- ① Click **“System”** on the menu bar of software at the upper right ; choose **“Broadcast”** to enter the interface.
- ② Click  button to pop up a window; then check the devices you want to broadcast, click **【OK】** button to save the setting.
- ③ Click  button to stop broadcast.




## 5.7 PTZ Control






### 5.7.1 Parameter Configuration of PTZ

Please confirm the parameter of PTZ has been configured correctly before operating PTZ. Click  icon in display window or **“Change Camera Setting”** under **“Device”** to enter the interface. Click **“PTZ Setting”** to enable PTZ and setup protocol, baud rate and address of PTZ.

**Note:** Here the protocol, baud rate and address of PTZ must be consistent with the PTZ decoder.

### 5.7.2 PTZ control

Return to the live preview interface after configuring parameter of PTZ; select the channel and click  icon or right click to 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.
- Click  and  buttons to adjust focus, iris and zoom.
- Select a preset point and 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.



## 6 Record Management

CMS supports manual record, schedule record, motion detection record and sensor alarm record. This chapter will introduce the above four record types respectively.

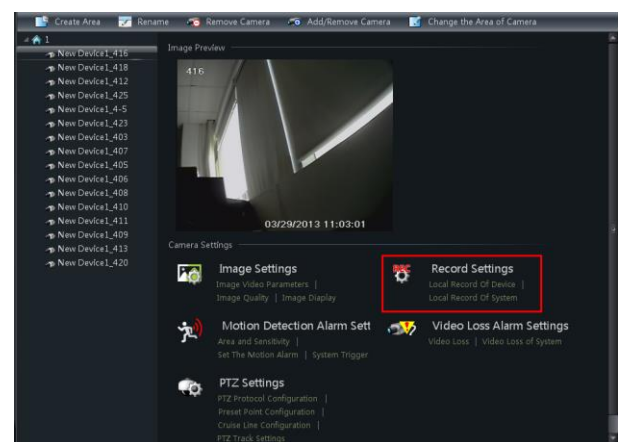
### 6.1 Manual Record

Select a channel and click  button or right click to choose “Open Manual Recording” to start recording. Then 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

### 6.2 Schedule Record

In the control panel, click “*Area & Camera Settings*” under Device to enter the interface.



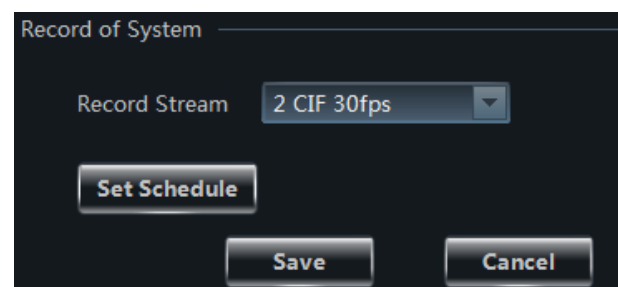
Select a camera and click “*Local Record of Device*” as shown on the right figure.

Enable Schedule Record and set schedule and pre-recording time, record duration, etc.



click “*Local Record of System*” as shown on the right figure.

Under record of system , you can choose record stream and set record schedule.

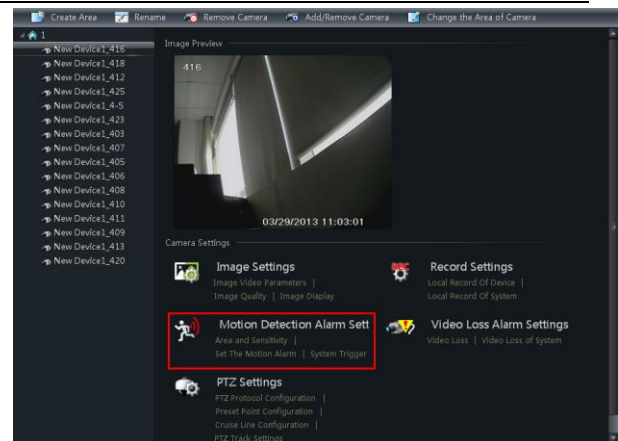


**Note:** Please refer to section 3.2.2 for details.



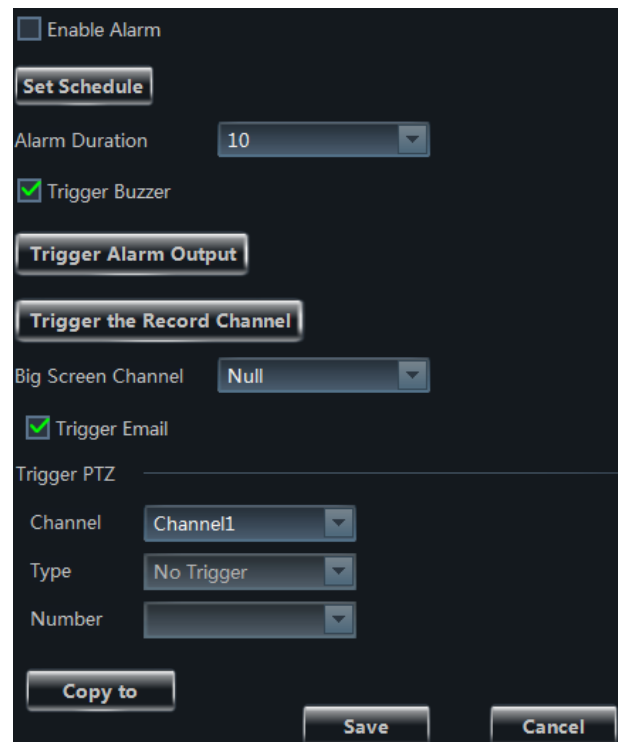
## 6.3 Motion Detection Record

In the control panel, click “*Area & Camera Settings*” under Device to enter the interface.



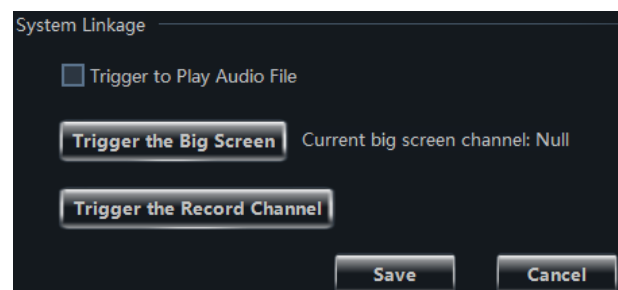
Select a camera and click “*Set Motion Alarm*” under Motion Detection Alarm Settings as shown on the right figure.

Enable Alarm of device and set the relevant trigger.



Click “*System Trigger*” under Motion Detection Alarm Settings as shown on the right figure.

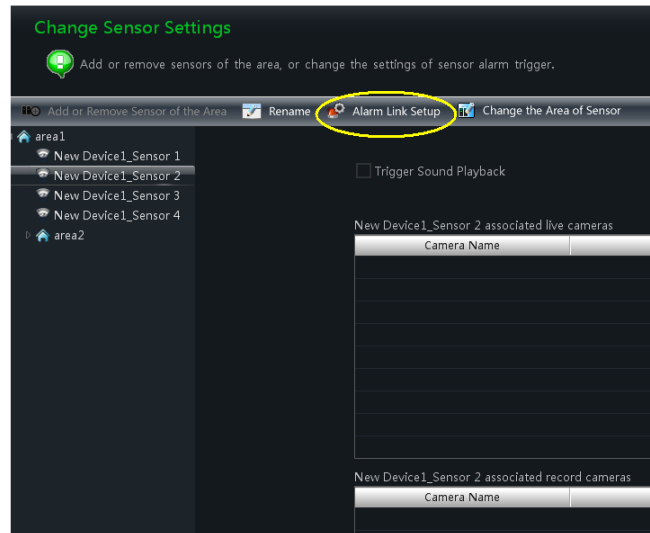
Click **Trigger the Record Channel** button to select channel. The selected channel whose motion detection alarm is triggered will be recorded automatically.




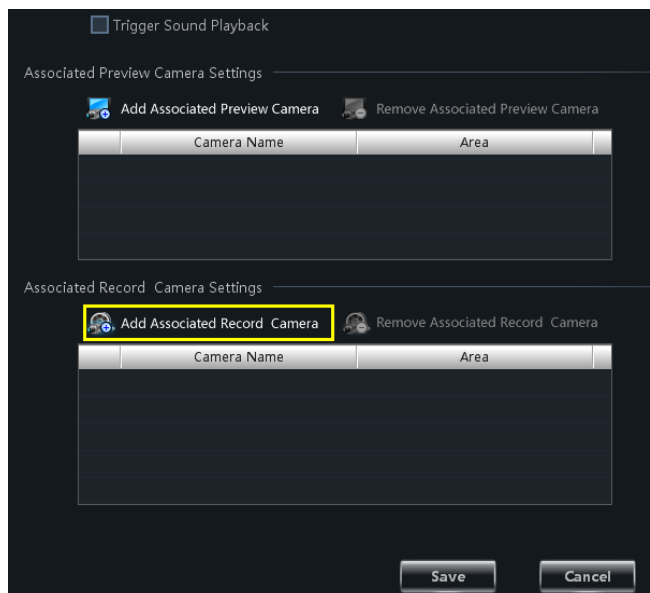
## 6.4 Sensor Alarm Record

In the control panel, click **“Change Camera Settings”** under Device to enter the interface.

Select a sensor and click  button as shown on the right.

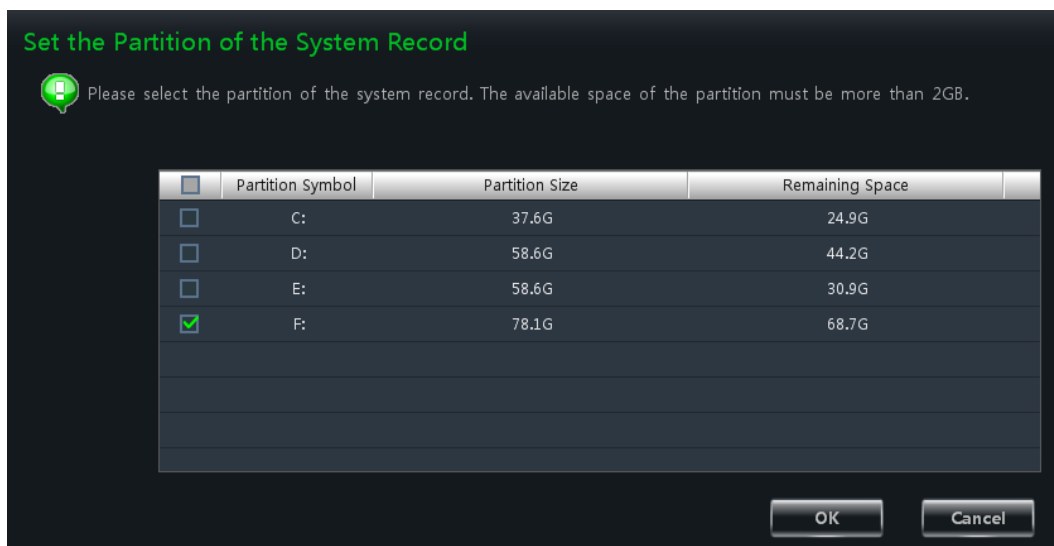


Click  button to choose associated record cameras. When the sensor alarm is triggered, the selected cameras will be recorded automatically.



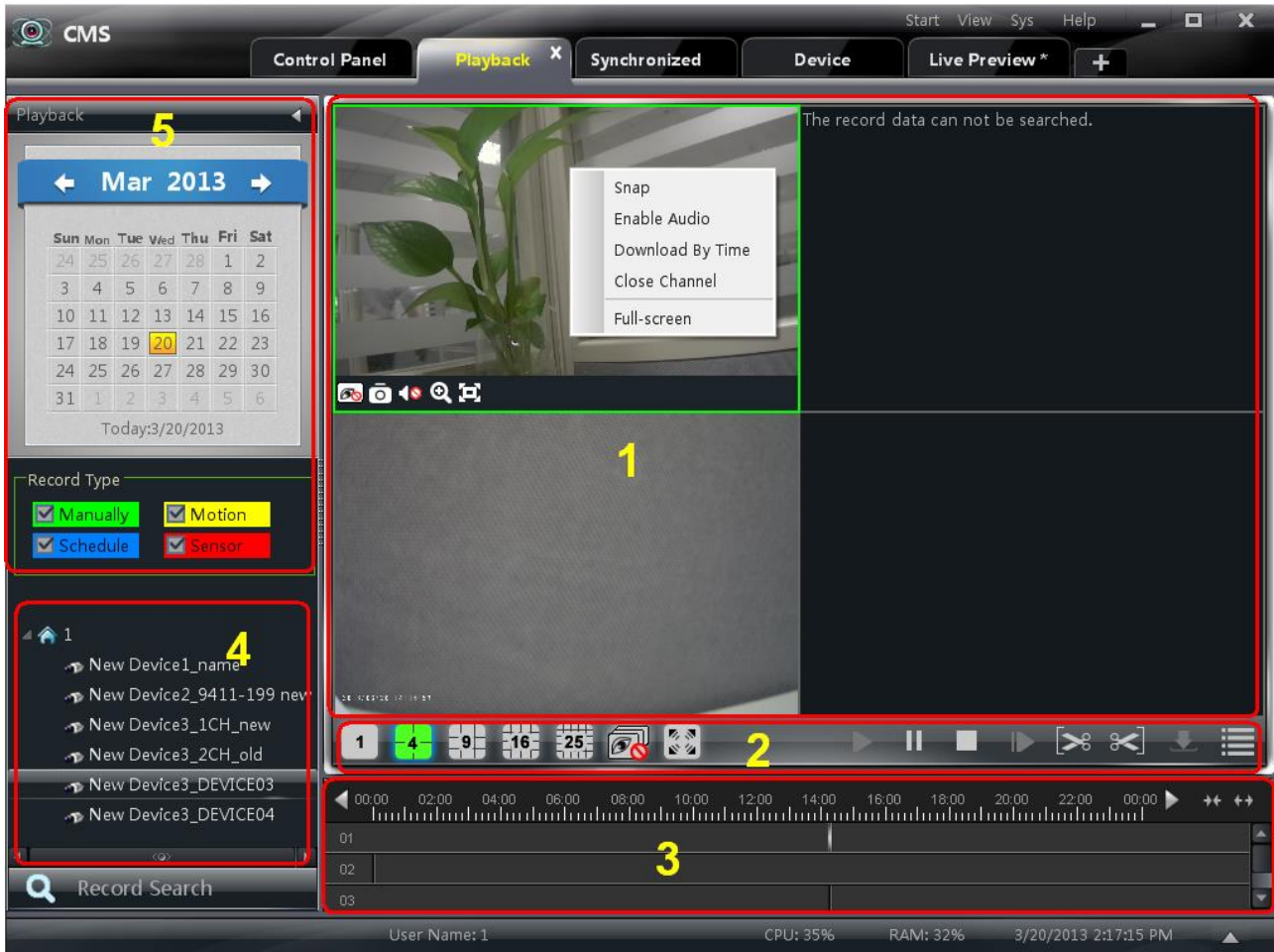
## 6.5 Set Record Partition

In the control panel, click **“Set Record Partition”** under Playback as below. You can choose a partition for storing record.



## 7 Playback Management

In the interface of control panel, click “Playback” to enter the interface. You can play back the local stored record files.







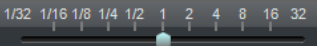


### Area Descriptions:






Area	Description	Area	Description
1	Playback Area	2	Toolbar
3	Record time Area	4	Resources Area
5	Time search or type search Area		

### Buttons Description of Area 2

Icon	Description
	Screen mode. 1,4,9,16,25 channels are optional
	Close playback of all channels
	Full screen
	Play
	Pause
	Stop

	Playback by single frame. When playback, click  button firstly and then click this button to play frame by frame.
	Backup the start time
	Backup the end time
	Download
	Event list. Click this button to pop up the event list
	Playback speed bar

**Toolbar on Playback Window:**



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

**Right button functions:**

Menu	Description	Menu	Description
<b>Snap</b>	Snap picture	<b>Enable Audio</b>	Enable or close audio
<b>Download By Time</b>	To download record by time search	<b>Close Channel</b>	Close single channel preview
<b>Full Screen</b>	To display in full screen		

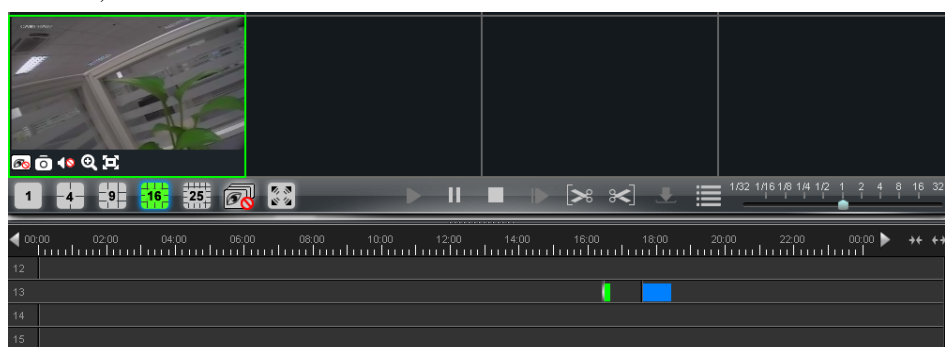
## 7.1 Playback

In the playback interface, select date and record type, then drag the camera to the right display window for playing .



you can click  button to search the record file , then click  button to playback.

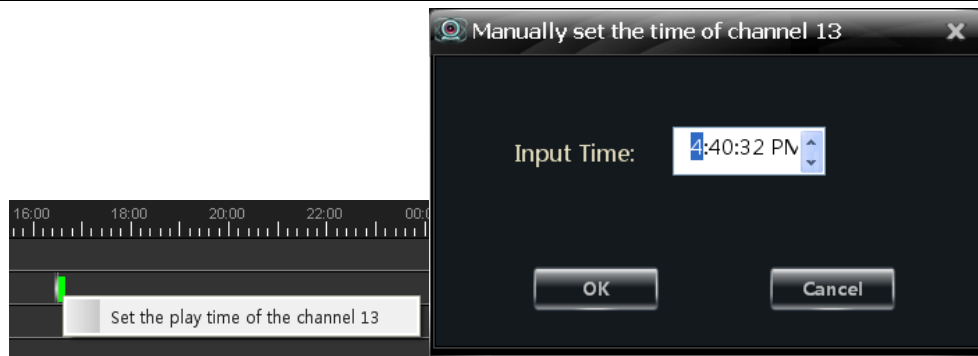
Playback Record type includes manual record, motion detection record, schedule record, and sensor record.

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






### 7.1.1 Playback by Setting Time

Right click the color bar to select **“Set the Play Time of the Channel X”**, then a dialog window pops up. Input time manually or click   button to select time. The system will play the video from the time you set.




### 7.1.2 Playback by Searching Event

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

**Note:**  and  buttons on the timeline are used to expand and narrow down the time bar, so you can choose a more accurate playback time.




What's more, you may also change playback speed by dragging  bar.

## 7.2 Snap When Playback

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

## 7.3 Clip and Backup Record

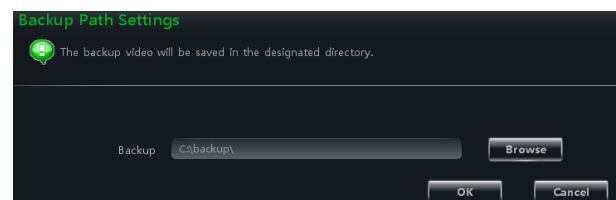
### 7.3.1 Clip and Backup Record

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.

### 7.3.2 Backup Path Configuration

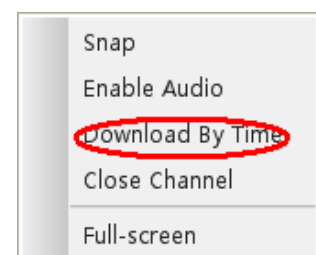
In the control panel interface, click “**Basic**” to enter the interface. Then click “**Backup Path Settings**” to choose path to save.

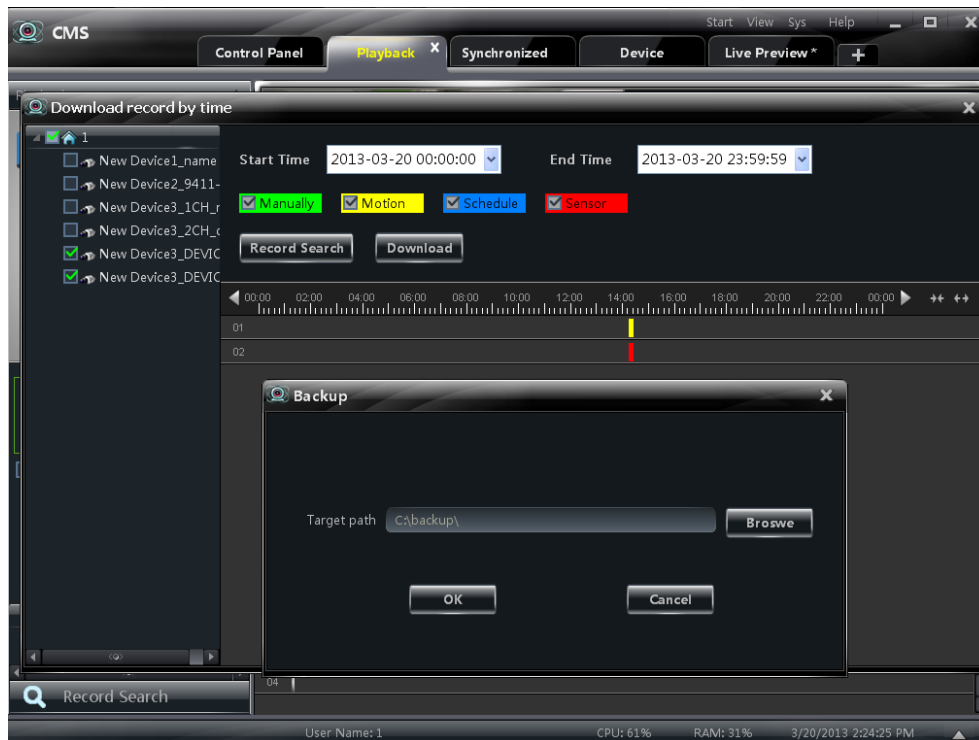


## 7.4 Download Record By Time Search

Right click the image in the playback interface to pop up a drop-down list as shown on the left hand.


Click “**Download By Time**” to pop up a window as follows:





Select record channel, start time and end time, checkmark event type and then click **【Record Search】** button to search record information. After the information is searched, a backup information window will pop up by clicking **【Download】** button. Click **【Browse】** button to choose save path. Then click **【OK】** button to download record.

## 7.5 Download Record by Event Search

Click  button to display event information list. Choose a event and right click to download this event.

Serial Numbe	Start Time	End Time	Event Type	Data Source
1	3/29/2013 4:27:15 PM	3/29/2013 4:27:20 PM	Schedule	Local

## 7.6 View the Progress of Downloading

When starting downloading, you can view the progress of downloading and stop downloading manually by put the cursor on the lower right corner (under  button).

Serial N	Start Time	End Time	Had Downloaded	Had TakeTime
1	3/29/2013 12:00:00 AM	3/29/2013 11:59:59 PM	68.71%	00:00:04

The number of backup: 1

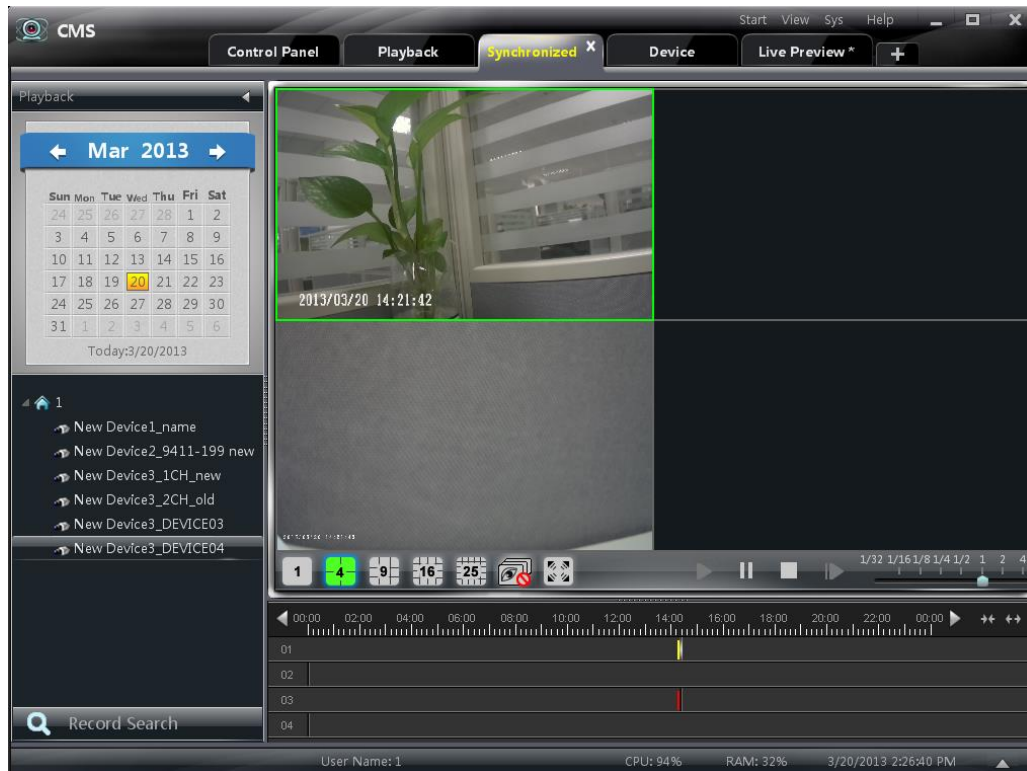
User Name: 1

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### 7.7 Synchronized Playback

In control panel interface, click “*Synchronized playback of device*” to enter synchronized playback interface. You can play 25 channels synchronously. Click the highlighted time block to select the time for playing, Thus, all channels will play from this time.

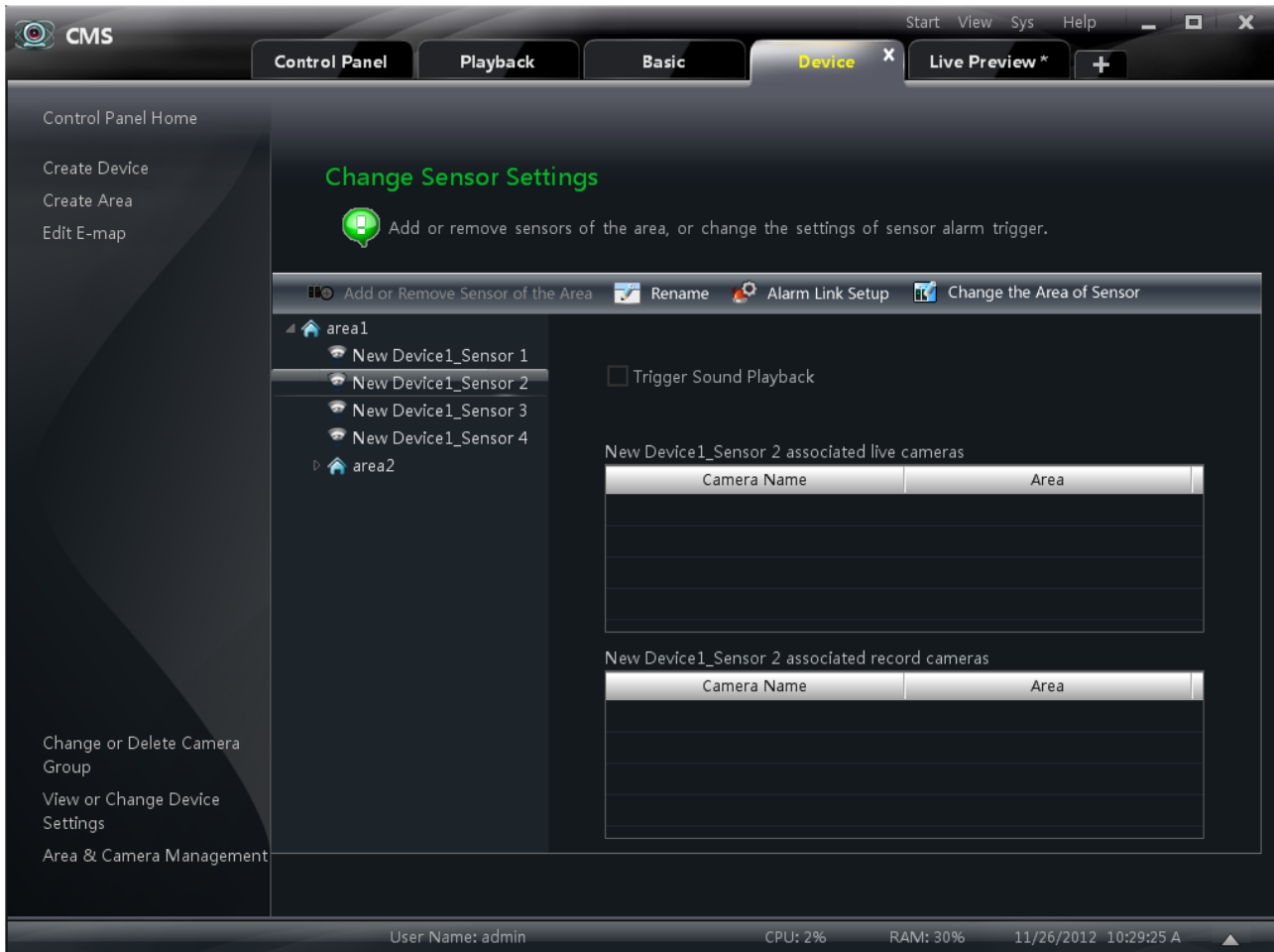
Synchronized playback support device playback which gets rid of the limitation of the quantity of channels for playback.



## 8 Alarm Management



### 8.1 Sensor Alarm

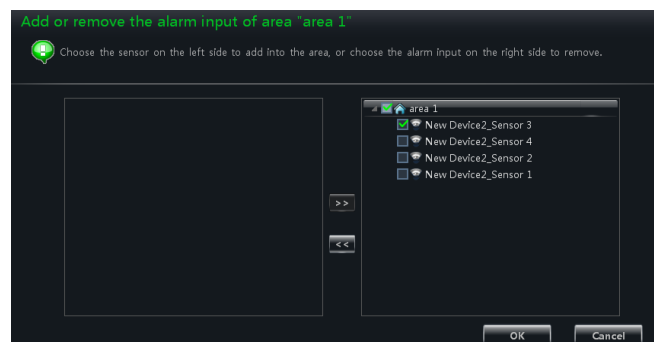
In the control panel, click “**Alarm Management**” to enter the interface.





#### ➤ Add or Remove Sensor of the Area

In the interface of Alarm Management, choose an area, click  button to enter the interface.

- ① Check the sensor under the area on the right and click  button to move out the sensor .
- ② Check the sensor on the left and click  button to add sensor.




#### ➤ Rename or Change Area

In the interface of Alarm Management, choose a sensor and click  button to change its name; click  button to change the area of sensor.

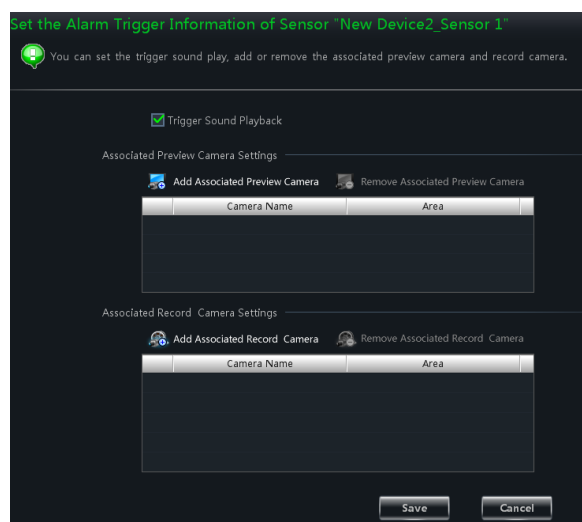


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### ➤ Alarm Link Setup

In the interface of Alarm Management, choose a sensor and click  button to enter the interface.

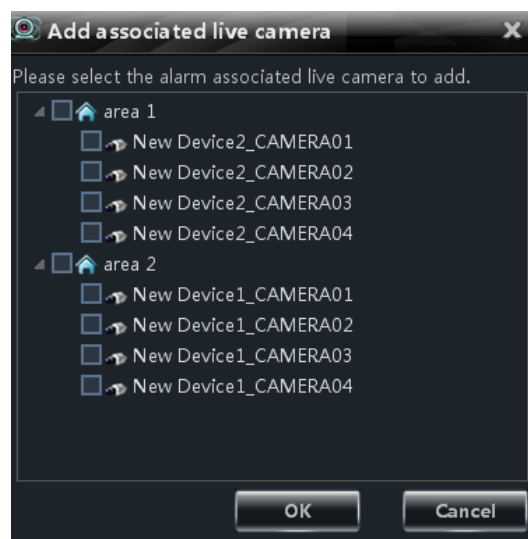
If checking **“Trigger Alarm Playback”**, there will be a sound like “beep” when sensor alarm is triggered.




#### ◆ Add Associated Preview Camera

Click  to pop up a window; check cameras and 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, click  to remove the camera.



#### ◆ Add Associated Record Camera

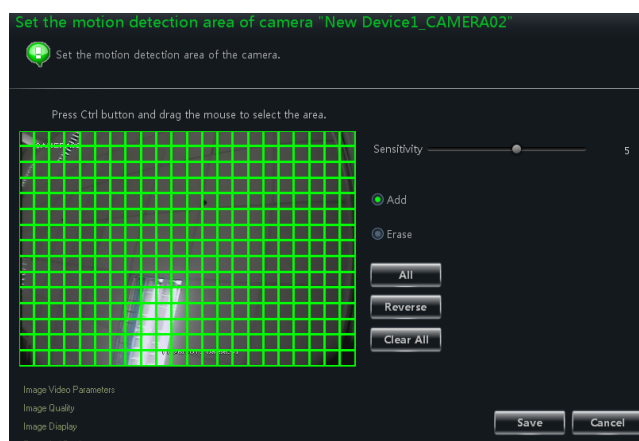
Click  to enter the interface; check the associated cameras and click **【OK】** button to save the setting. When the sensor alarm is triggered, the selected channels will be recorded automatically.

Select the added camera, click  to remove the camera

## 8.2 Motion Detection Alarm

In the control panel, click **“Area & Camera Settings”** under Device.

Select a camera and click **“Area and Sensitivity”** to enter the interface as right. You can adjust the detection sensitivity and setup the motion area.



## CMS User Manual

Click “*Set the Motion Alarm*” to enter the interface as right.

☐ Enable Alarm  
**Set Schedule**  
 Alarm Duration: 10  
☒ Trigger Buzzer  
**Trigger Alarm Output**  
**Trigger the Record Channel**  
 Big Screen Channel: Null  
☒ Trigger Email  
 Trigger PTZ  
 Channel: Channel1  
 Type: No Trigger  
 Number:  
**Copy to** **Save** **Cancel**

Click “*System Trigger*” to enter the interface as shown on the right.

Please refer to section 3.3.2 for details.

System Linkage  
☐ Trigger to Play Audio File  
**Trigger the Big Screen** Current big screen channel: Null  
**Trigger the Record Channel**  
**Save** **Cancel**

## 8.3 Video Loss Alarm

In the control panel, click “*Area & Camera Management*” under Device.

Click “*Video Loss*” to enter the interface. The steps of configuring video loss are same with the device settings, please refer to the video loss chapter of device user manual.

☒ Trigger Buzzer  
**Trigger Alarm Output**  
 Big Screen Channel: Null  
☐ Trigger Email  
 Trigger PTZ  
 Channel: Channel1  
 Type: No Trigger  
 Number:  
**Copy to** **Save** **Cancel**

Choose a camera and click “*Video Loss of System*” to enter the interface.

Please refer to section 3.3.2 for details.

System Linkage  
☐ Trigger to Play Audio File  
**Trigger the Big Screen** big screen channel: Null  
**Save** **Cancel**


## 8.4 Alarm Preview

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

### 8.4.1 Alarm Preview Configuration

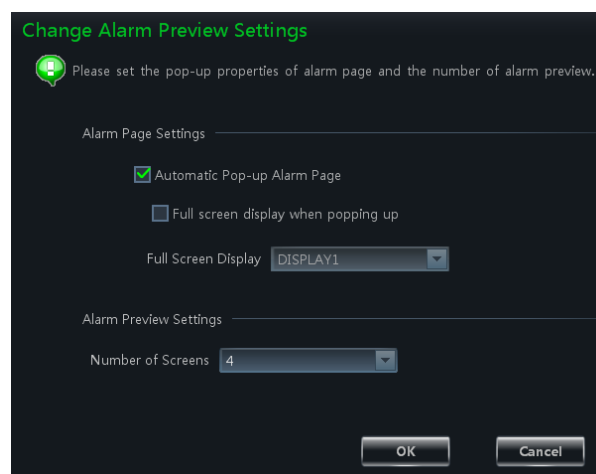
■ **Motion Detection Alarm:** In the control panel, click “*Change Camera Settings*” under *Device* to enter the interface. Select a camera, and then click “*System Trigger*” shortcut under Motion Detection Alarm Settings to appear a window; click **【Trigger the Big Screen】** button under system linkage to select channel.

■ **Video Loss Alarm:** Click “*Video Loss of system*” to enter the interface; click **【Trigger the Big Screen】** button under System Linkage to select channel.

■ **Sensor Alarm:** In the control panel, click “*Alarm Management*” to enter the interface. Click  button to add the associated preview cameras.

In the control panel, click “ *Change Alarm Preview Settings*” under Live Preview to pop up the window

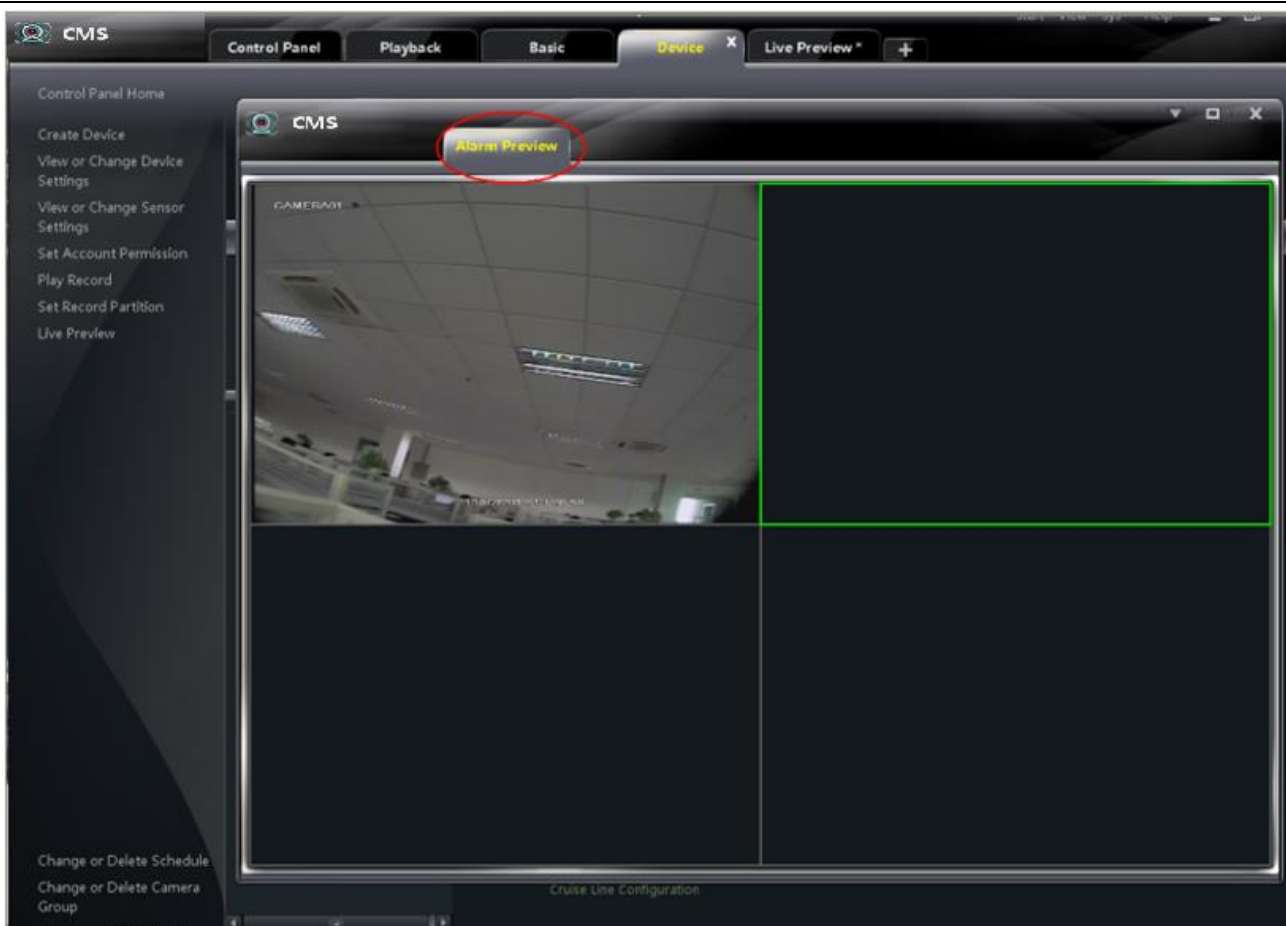
- ① Alarm preview will pop up automatically when alarm is triggered if checking “Automatic Pop-up Alarm Page”.
- ② Alarm preview will pop up automatically in full screen when alarm is triggered if checking “Full Screen Display When Popping Up”.
- ③ Choose a display monitor from the “Full Screen Display” drop-down menu. The alarm image will display on the designated monitor when alarm is triggered.
- ④ Choose the number of screen.




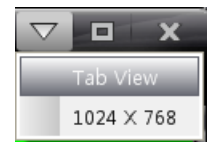
### 8.4.2 Alarm Preview

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

## CMS User Manual



Click  button on the upper right corner of the sub interface; then select ***“Tab View”*** to embed the sub interface in the main interface.



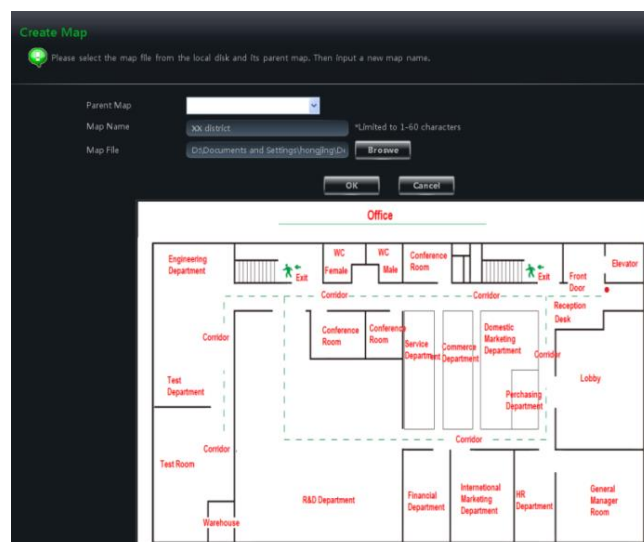
## 9 E-Map

In the control panel, click “**E-Map**” to enter the interface as below:



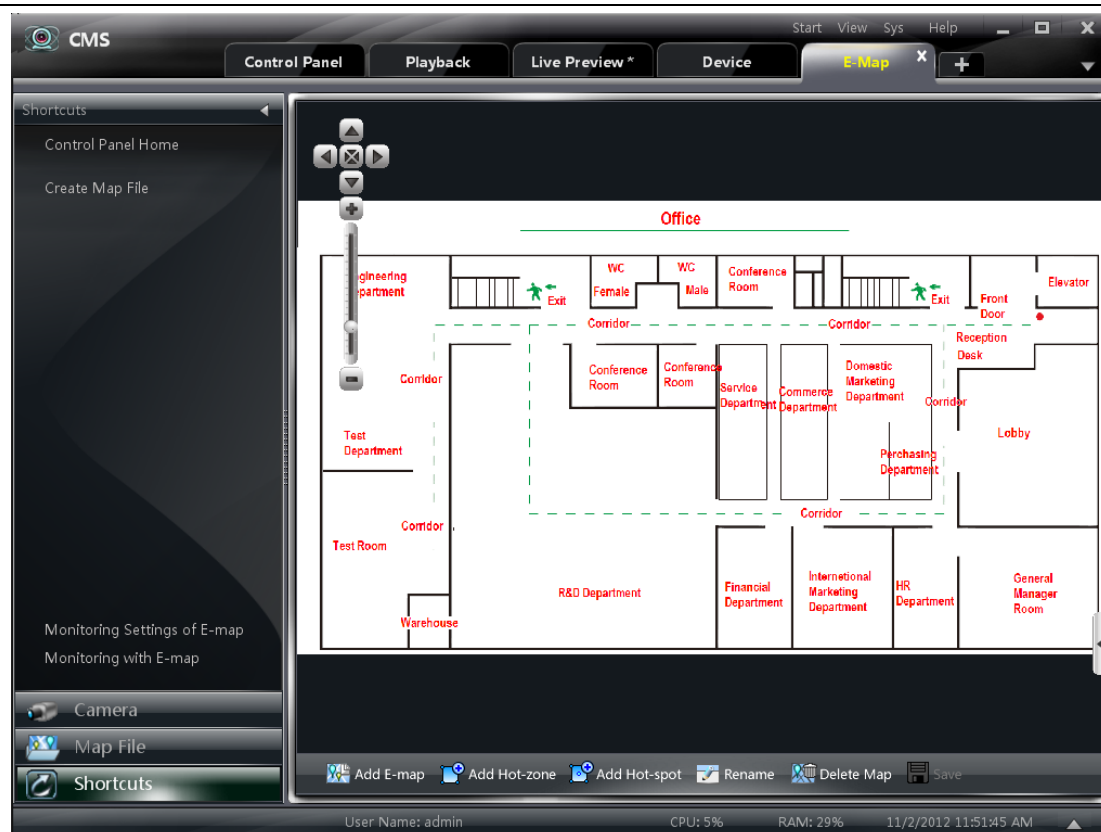
### 9.1 Create map

In the E-map interface, click 【Shortcuts】 button on the left side to appear the shortcut menu, then click “*Create Map File*” to enter the interface. Import a map and edit a name for it.




### 9.2 Modify or Delete Map, Hotspot and Hotzone

In the E-map interface, click “*Edit E-map*” on the left side to enter the interface.



### 9.2.1 Change or Delete Map

In the above interface, click “**Map File**” to appear the map files on the left side. Choose a map and click  to change a new name for it.



### 9.2.2 Add, Change and Delete Hotzone

#### ➤ Add Hotzone

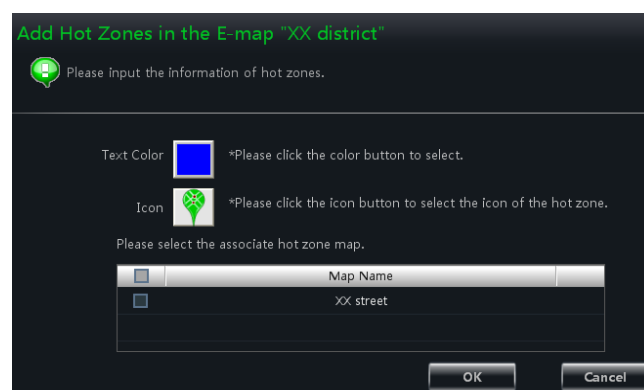
Click “**Map File**” and choose a map and then click



icon to pop up a dialog widow.

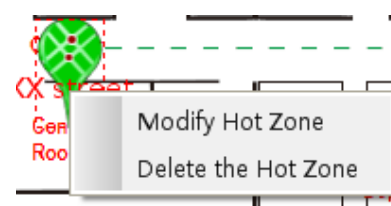
- ① Check a map related the hotzone
- ② Click  to choose text color displaying under the hotzone icon.
- ③ Click  to choose icons for the hotzones.

After finishing, double clicking a hotzone will lead you to enter this map.






#### ➤ Modify and Delete Hotzone

Right-click a hotzone on the map. Choose “**Modify Hotzone**” or “**Delete the Hotzone**” to change font color, icon or name or delete it.




### 9.2.3 Add, Change and Delete Hotspot

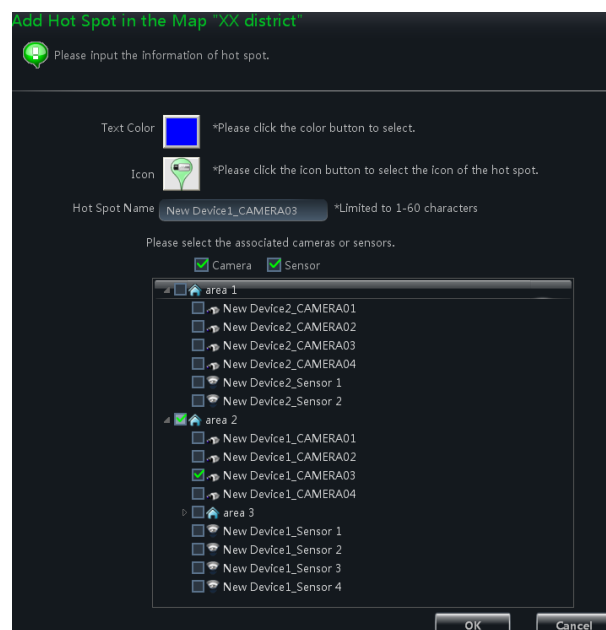
In the E-map interface, choose a map, click  to enter the interface.

- ① Check associated cameras and sensors
- ② Click  to choose text color displaying under hotspot.
- ③ Click  to choose an icon for the hotspot
- ④ Edit a name for the hotspot.

There is another way to add hotspot.

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

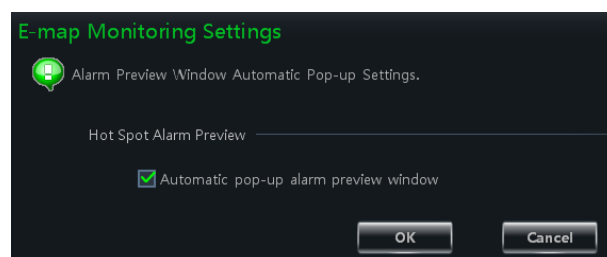
**Note:** The hotzones or hotspots will focus on the map in the same position after being added. You should drag them to the corresponding positions on the map. Click  to save the settings.



## 9.3 E-map Monitoring Settings

In the E-map interface, click **“Monitoring Settings of E-map”** on the left side to enter the interface.

Check **“Automatic Pop-up Alarm Preview Window”**, then click **【OK】** button to save the setting. If the configured hot spots raise the alarm, the preview image will pop up automatically



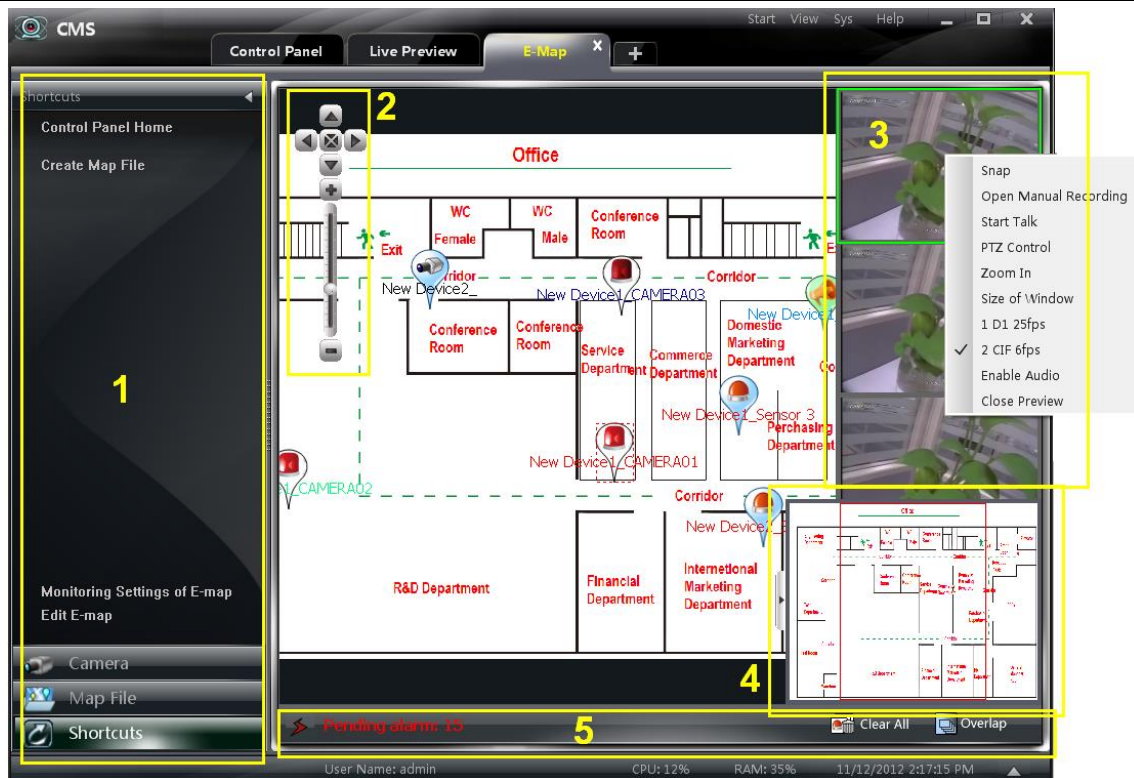
## 9.4 E-map Live Preview

In the E-map interface, click **“Monitoring with E-map”** on the left side to enter the interface.

**Note:** If the item **“Edit E-map”** appears on the below of menu bar in the E-map interface, the current interface is monitoring with E-map interface. Double clicking a hotspot will switch to its map

The icon of 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”**. Clicking the alarm preview image will switch to the map whose hotspot issues alarm.

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### 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

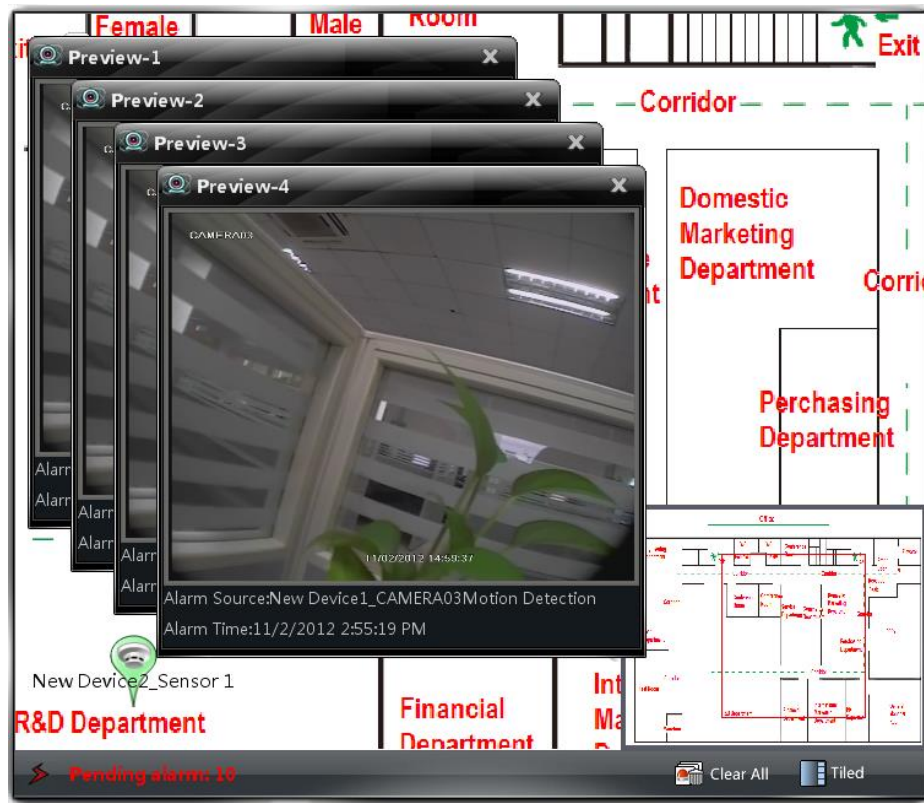
### Right Click on the Alarm Preview Window:

Item	Description	Item	Description
<b>Snap</b>	Picture capture	<b>Open Manual Recording</b>	Start manual record
<b>Start Talk</b>	Start talk	<b>PTZ control</b>	Click to display PTZ control panel
<b>Zoom in</b>	Zoom in the image	<b>Size of window</b>	Recover the image size
<b>Stream</b>	Choose stream to view	<b>Enable audio</b>	Enable audio
<b>Close preview</b>	Stop preview of single channel		

Click  **Clear All** to clear all the number of alarm

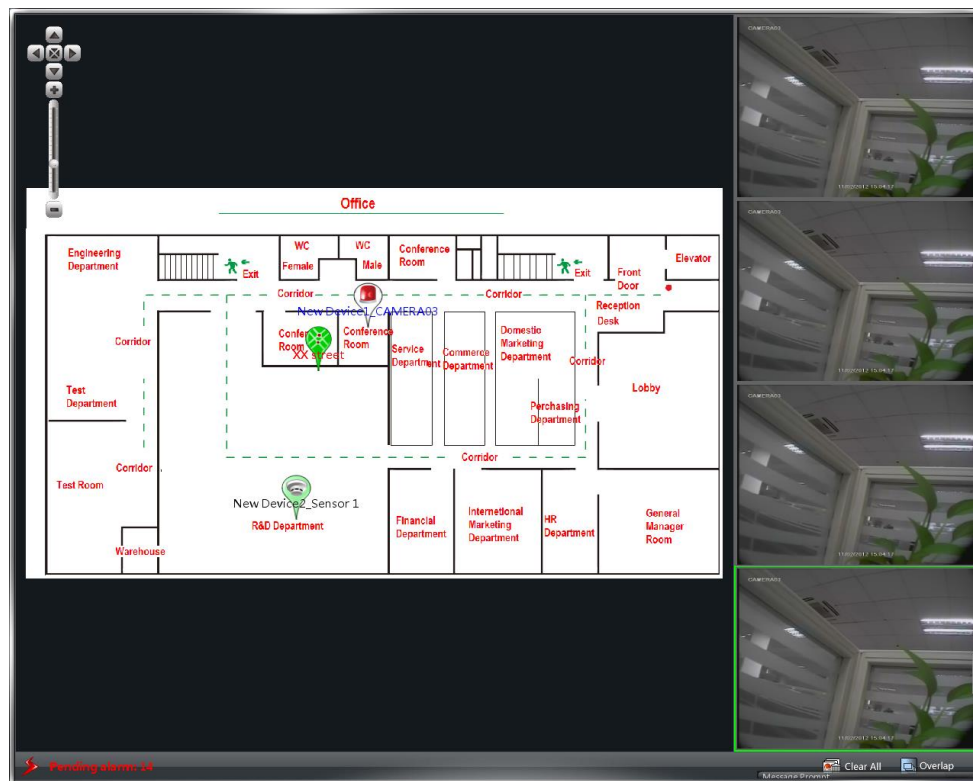
Click  **Overlap** to make the alarm preview windows to overlap together. You can drag each window to view respectively .





click  button to tile the alarm preview windows on the right side.

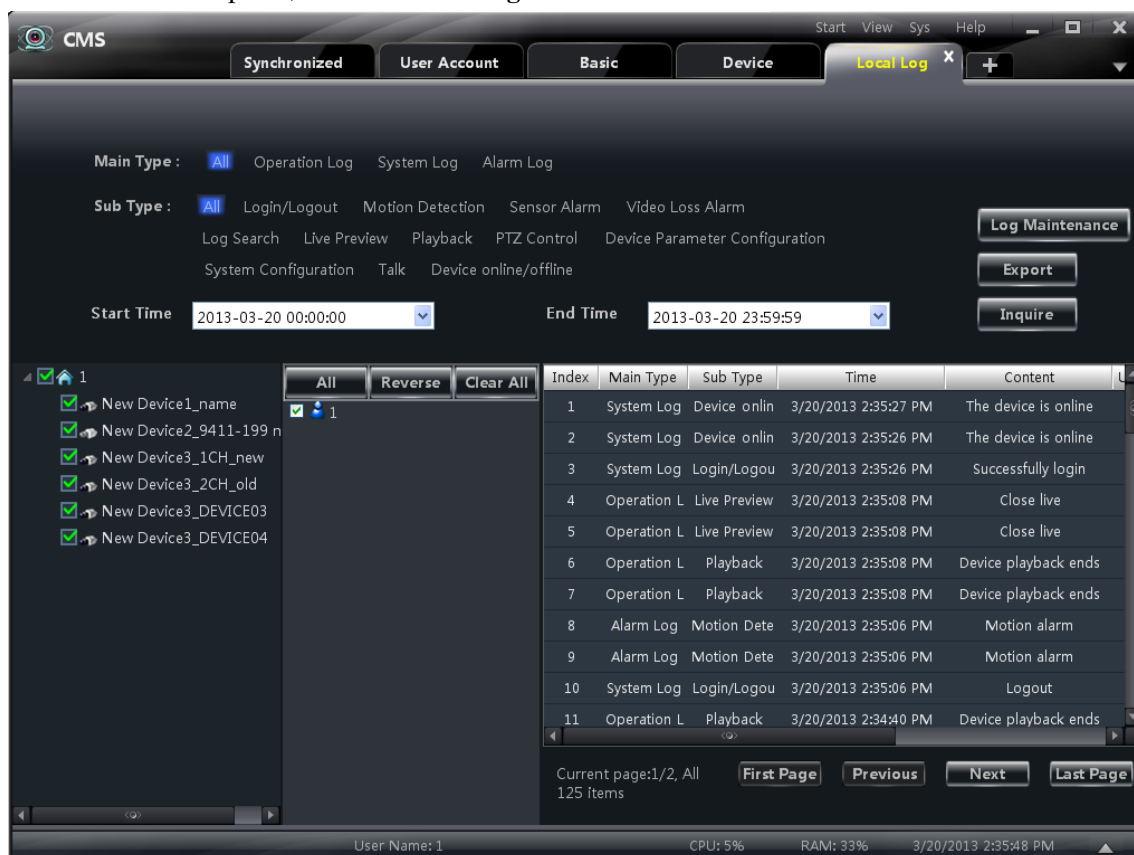
Right click on the map to pop up a menu bar. Choose “Full Screen” to view the image in full screen.



Right click on the map to choose “Exit Full Screen” to exit.

## 10 Local Log

In the interface of control panel, click “Local Log” to enter the interface.

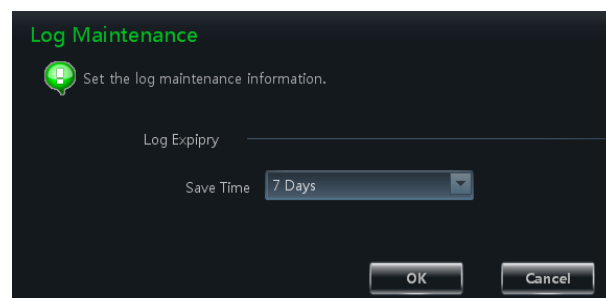


### 10.1 Search log

Choose main type, sub type , set the start time and end time, click **【Inquire】** button to search the relevant log information. click **【First page】** **【Previous】** **【Next】** **【Last page】** to view the information on different pages.

### 10.2 Log Maintenance

In the log interface, click **Log Maintenance** button to pop up a dialog window. You can save the information of log for a certain time by configuration in this interface.



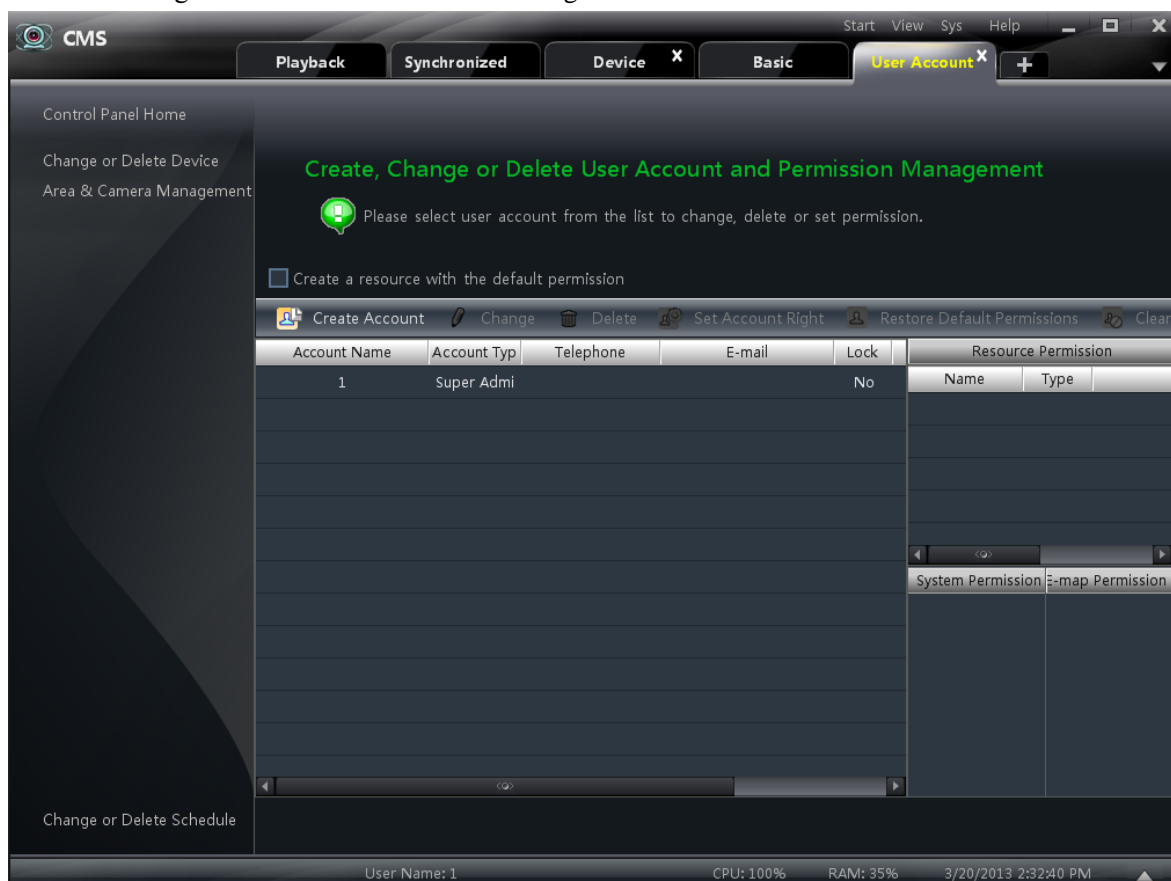
### 10.3 Export

In the log interface, click **Export** button , then choose a storage path to export the log information.

# 11 User Management

In the interface of control panel, click “User Management” to enter the interface.

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”.




## 11.1 Create a Resource with the Default Permission

In the above interface, clicking “*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.

## 11.2 Create, change and delete users

### ➤ Create Account

In the interface of User Management, click  **Create Account** to pop up a dialog window. Input account name and password. Choose account type and default right.

You can bind account by e-mail or telephone and add description if you wish.


**Note:** • Two types of user: administrator and operator. administrator enjoys all the system permissions except account and permission management.

Operator only enjoy the permissions of broadcast, searching and exporting log


## CMS User Manual

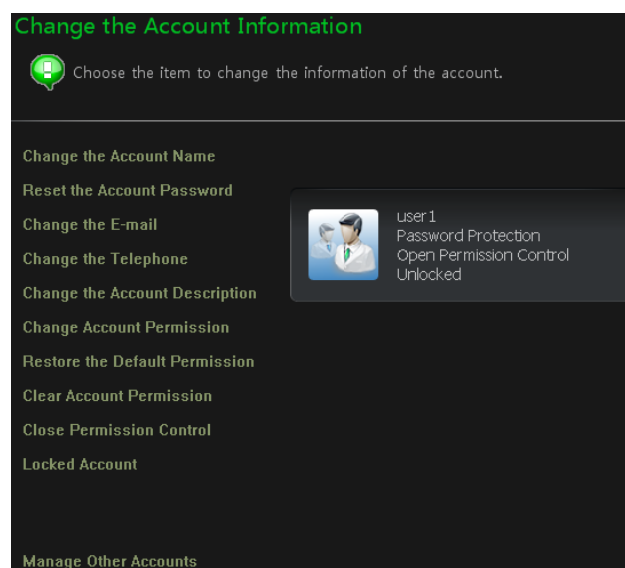
- If you have checked “Default Permission” under initial permission when creating new account, all the resource permissions and system permissions will be added for the user

### ➤ Change Account


In the interface of User Management, select a user and click  button to enter the interface. You can change account name, password, e-mail address, etc. according to need.

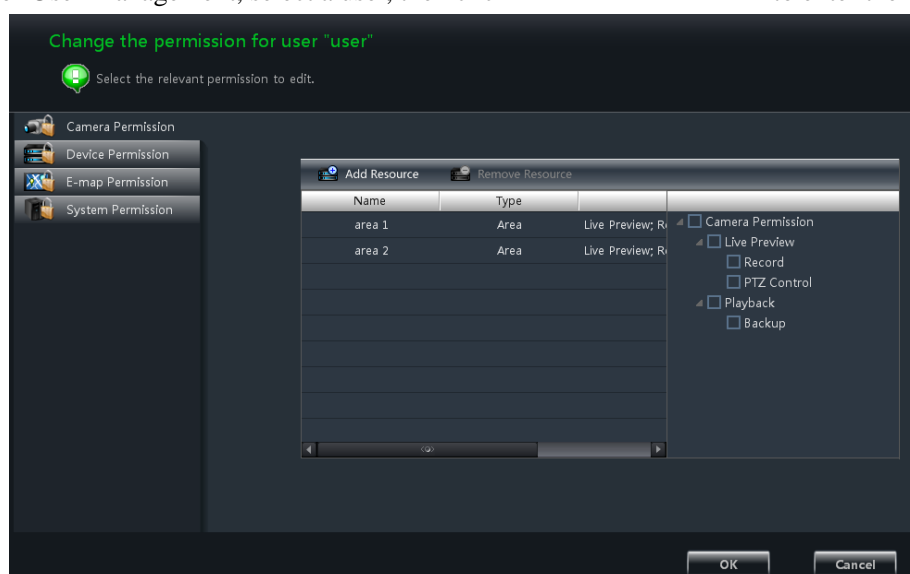
### ➤ Delete Account

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




## 11.3 Account Right Configuration

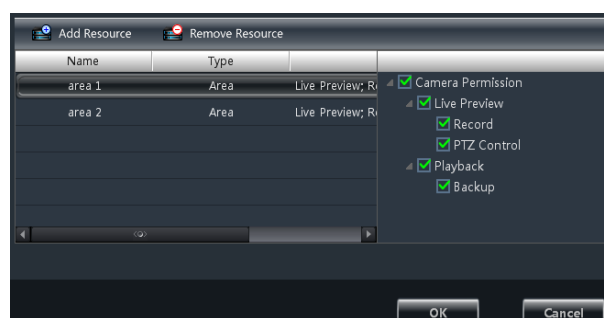
In the interface of User Management, select a user, then click  to enter the interface.



### ➤ Camera Permission

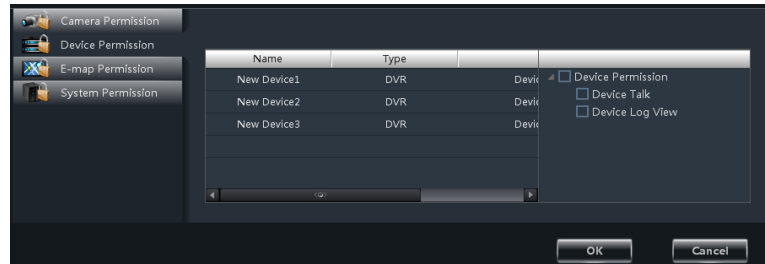
In the interface of Camera Permission, click  button to add resources, check camera permissions on the right.

You can add different permissions for different users.



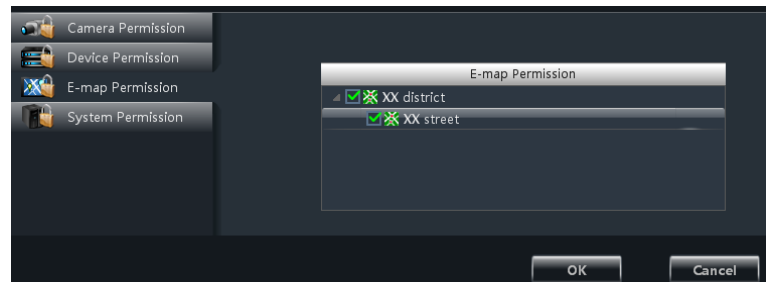
### ➤ Device Permission

Click “**Device Permission**” to enter the interface. Select the right on the right hand you want to enjoy.



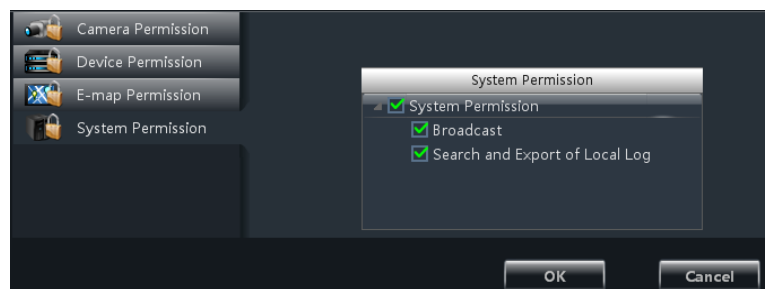
### ➤ E-map Permission

Click “**E-map Permission**” to enter the interface. Add map permission for the selected user.

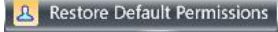


### ➤ System Permission


Click “**System Permission**” to enter the interface, you can set the right of broadcast, searching log information and exporting it for the user you selected.



### ➤ Restore Default Permission

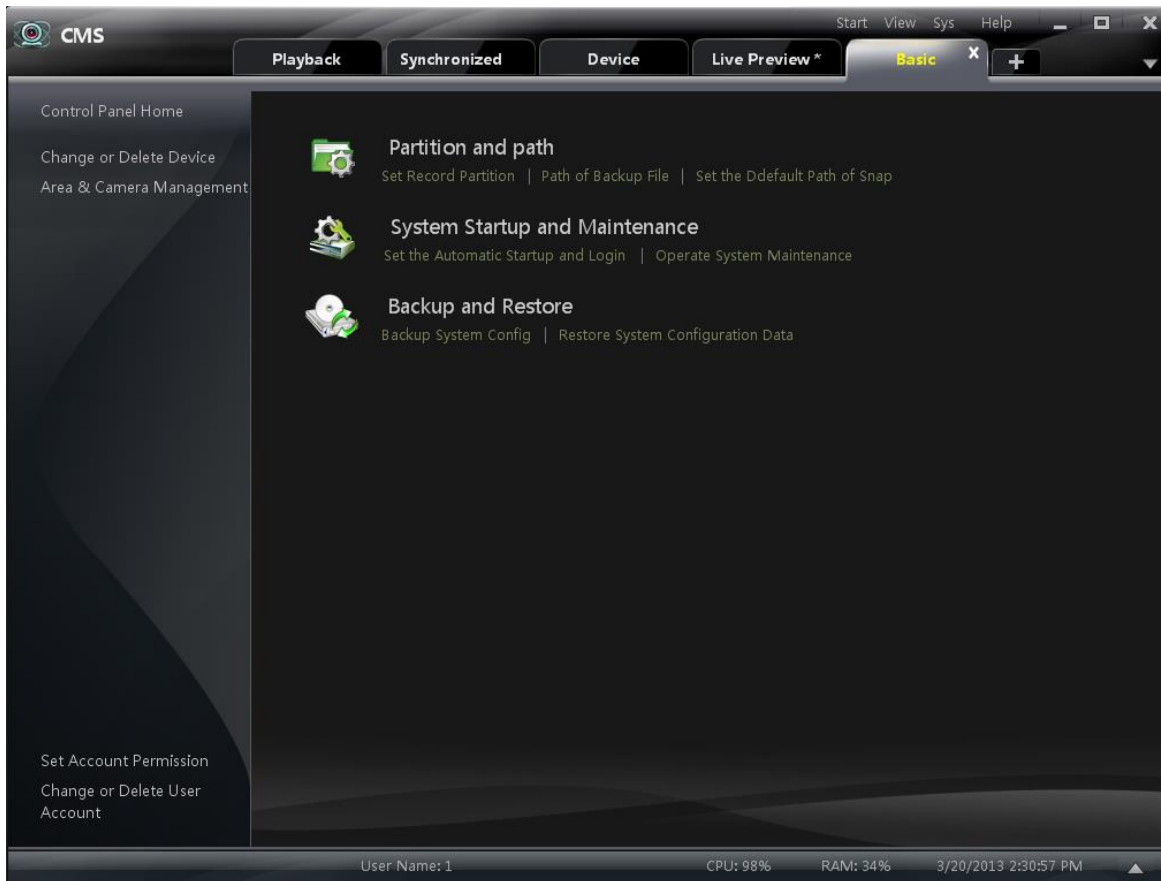
In the interface of account right management, select a user and click  to restore default permission of this user.

### ➤ Clear Permission

In the interface of account right management, select a user and click  to clear this user's permission.

## 12 Basic

In the interface of control panel, click “**Basic**” to enter the interface. System startup and maintenance, video display settings, backup and restore will be introduced in this chapter. Partition and Path configuration have been introduced in the above chapter, there we do not repeat again.

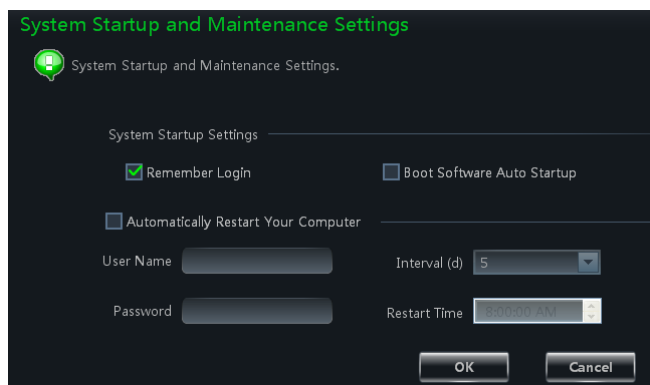


### 12.1 System Startup and Maintenance

In the interface of Basic Configuration, click “**System Startup and Maintenance**” to enter the interface.

Under the system startup settings, two ways to enable the software can be select.

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



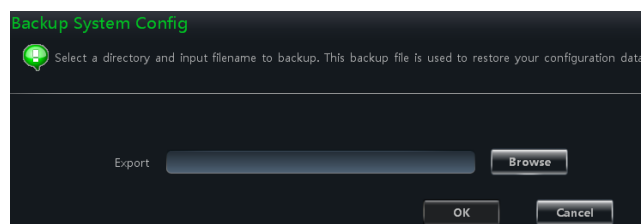
### 12.2 Backup and Restore

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

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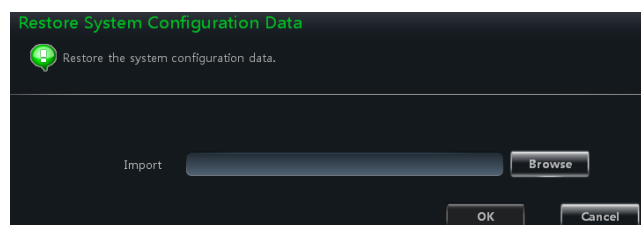
### 12.2.1 Backup System Configuration data

In the interface of Basic Configuration, click **“Backup System Configuration Data”** to export the configuration data.



### 12.2.2 Restore System Configuration Data


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

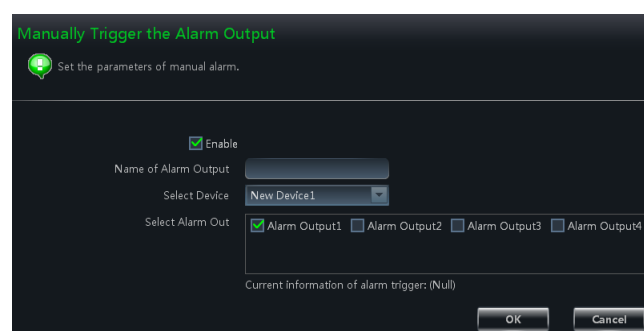


## 12.3 Manually Trigger the Alarm Output

In the control panel, click **“Manual Alarm Output”** under Basic Configuration to enter the interface.

Check “Enable”; select a corresponding device and alarm output; then edit a name for it .

Then an icon  will appear at the right bottom of the software. Clicking this icon will trigger the alarm of selected device.



## 12.4 Video Display Settings

In control panel interface, click **“Video Display Settings”** to set video title display and video resolution mode.

