

# **Video Management System User's Manual**

**Version 4.06**

# Table of Contents

<b>1</b>	<b>OVERVIEW AND ENVIRONMENT .....</b>	<b>1</b>
1.1	Overview.....	1
1.2	Environment .....	1
<b>2</b>	<b>INSTALLATION AND UPGRADE .....</b>	<b>2</b>
2.1	Installation.....	2
2.2	Un-installation.....	4
2.2.1	Windows Menu .....	4
2.2.2	Start Menu.....	5
<b>3</b>	<b>INTERFACE.....</b>	<b>5</b>
3.1	Login Interface.....	5
3.2	Initialization Interface .....	6
3.3	Main Interface.....	6
3.4	Interface Button.....	8
3.5	Video Control Zone .....	9
3.6	Screen Display Mode.....	10

3.7	Function Button .....	10
3.7.1	Task .....	10
3.7.2	Alarm Record .....	11
3.7.2.1	Alarm Record.....	11
3.7.3	Playback.....	12
3.7.3.1	Device Record .....	12
3.7.3.2	Link Record (Activation Record).....	14
3.7.3.3	Local Record.....	14
3.7.3.4	Download .....	15
3.7.3.5	To Avi.....	16
3.7.4	Configuration.....	17
3.7.4.1	Password Modification .....	17
3.7.4.2	Option.....	18
3.7.5	Device Preview Output Config.....	20
3.8	Right Tool Bar .....	21
3.8.1	Device List.....	22
3.8.1.1	Device list main interface.....	22
3.8.1.2	General device operation.....	23
3.8.2	PTZ Direction Control.....	25
3.8.3	PTZ Advanced .....	25
3.8.4	Tool s.....	28
3.8.4.1	Begin/Stop record plan .....	28
3.8.4.2	NVD Control.....	28
3.8.4.3	Health Report.....	28
3.8.4.4	Log Search.....	29
3.8.4.5	Alarm Link Video (Alarm Activation Video).....	30
3.8.4.6	Alarm Output Control .....	31
3.8.4.7	Color Configuration .....	31
3.8.4.8	Volume .....	31
3.8.5	Setting Manage.....	32
3.8.5.1	Scheme and Task (Task and Project) .....	32
3.8.5.2	Record Plan Configuration.....	36
3.8.5.3	Alarm Manage .....	38
3.8.5.4	Alarm Record Plan .....	42
3.8.5.5	Decode Card Configuration .....	43
3.8.5.6	User Management .....	45
3.8.5.7	Device Manage.....	46

## **Welcome**

Thank you for using our Video Management System (VMS)!

This user's manual is designed to be a reference tool for operation of your system.

Here you can find detailed operation information about VMS.

# 1 Overview and Environment

## 1.1 Overview

VMS is an abbreviation for Video Management System.

It is software to manage small quantity security surveillance devices. It releases with the device and does not support the products from other manufacturers.

It can view real-time video of several camera channels from various devices, and it can view the playback video files from various devices. VMS can support multiple scheduled arms to realize auto PC guard.

It can create individual configuration files for each user, which allows you maintain your own habit and style.

Please note, there is only one running VMS in one PC.

The VMS can send out the device alarm information to the peripheral applications for extension use.

## 1.2 Environment

- OS: Windows 2000 / Windows XP / Windows 2003/ Windows Vista/Windows 7.
- CPU: 2.4GHz or higher.
- Display card: Independent card and support DirectX 8.0c or higher.
- Memory: 1GB or higher for XP OS.
- Displayer: 1024\*768 or higher.

## 2 Installation and Upgrade

### 2.1 Installation

Please check the installation CD and make sure it includes the following files:

VMS\_Normal\_Setup\_En.exe;

Double click the setup.exe to begin installation. See Figure 2-1.



Figure 2-1

Click next button, you can see an interface is shown as below. Please select installation folder. Default folder is C:\Program Files\Pro Surveillance System\See Figure 2-2.

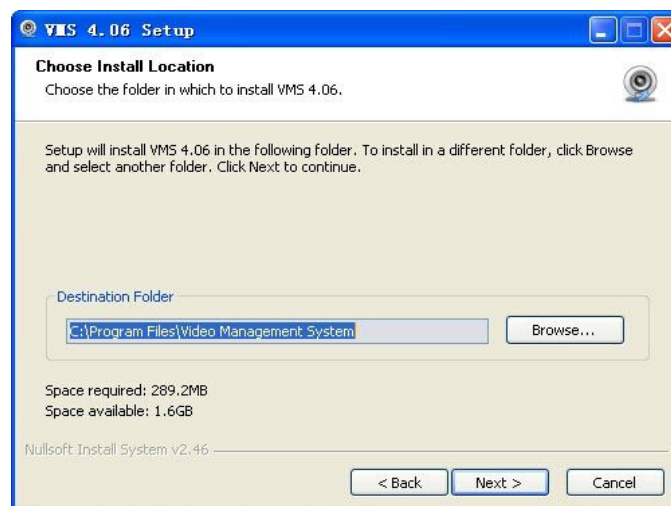


Figure 2-2

Click next button, you can see an interface is shown as in Figure 2-3. Please input a name.

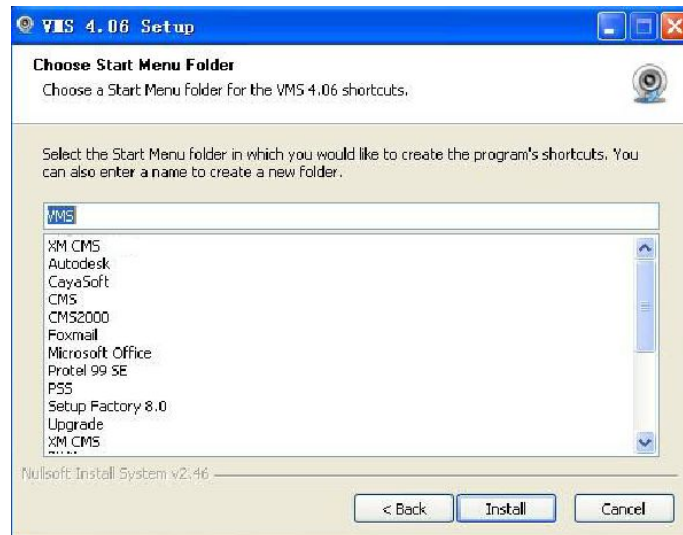


Figure 2-3

Click install button, system begins installation. The interface is shown as in Figure 2-4.

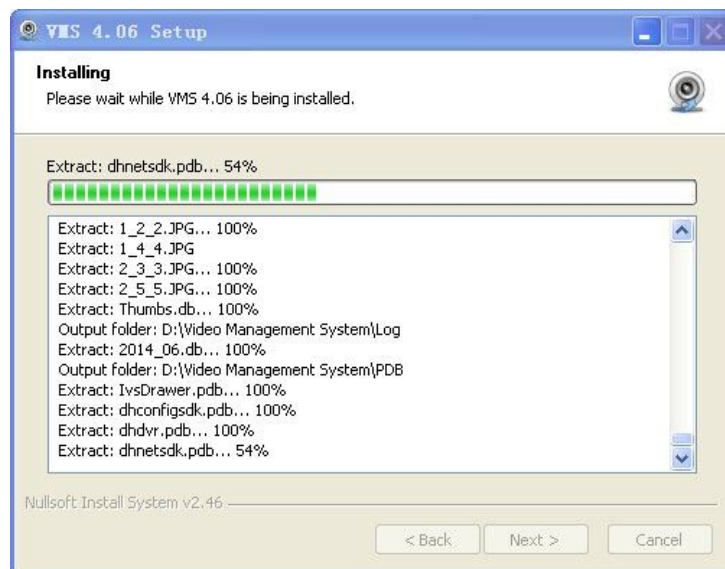


Figure 2-4

During the installation process, you can click cancel button to exit.

After installation, you can see an interface is shown as below. See Figure 2-5.



Figure 2-5

Click finish button, you can complete the installation.

## 2.2 Un-installation

There are two ways for you to remove the VMS.

### 2.2.1 Windows Menu

From the control panel to the add/remove program, you can see an interface is shown as in Figure 2-6.

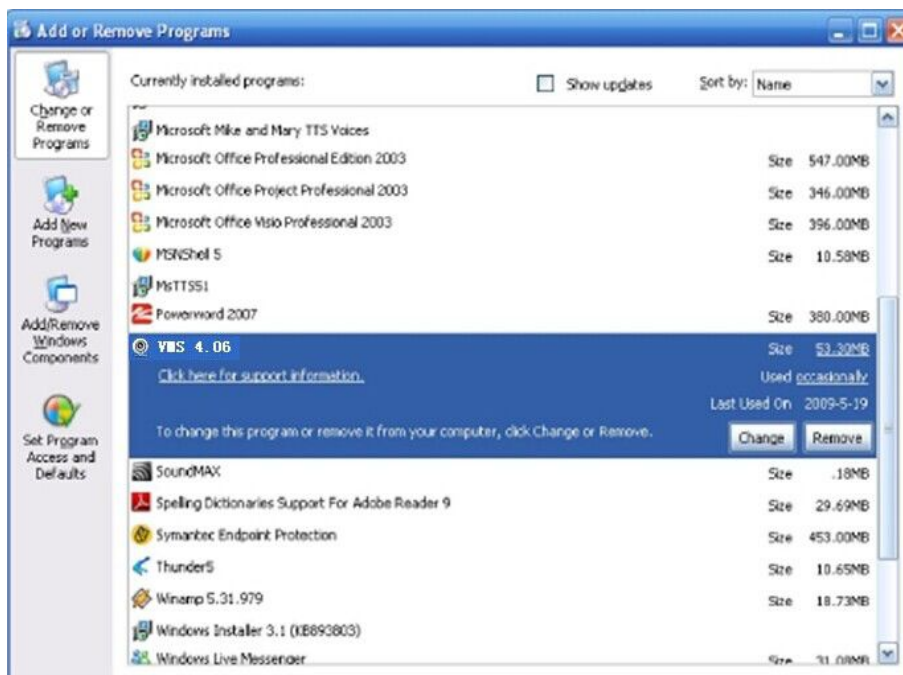


Figure 2-6

Click remove button, you can see a dialogue box is shown as in Figure 2-7.





Figure 2-7

Click Yes button to remove VMS.

### 2.2.2 Start Menu


From Start menu-> All programs->VMS, select VMS uninstall item.

System pops up the following dialogue box. See Figure 2-8. Please click yes to remove VMS.



Figure 2-8

## 3 Interface

Double click VMS icon  , you can go to the login interface.

### 3.1 Login Interface

Login interface is shown as in Figure 3-1.

- User name: Input the user account
- Password: Please input corresponding password to log in.
- Login: Click this button, system can verify the account and then enter the software main interface.
- Exit: Click this button to exit login interface.

#### Note:

- If it is your first time to run the VMS program, default user name is admin and its password is admin too. Admin is a super administrator and can not be removed. It can add, modify or delete other user.
- For security reason, please modify your password after first log in.
- You can memory your password, so that when you can log in the next time, you do not need to input user name and password. Please note this function is for your convenient only. **Do not** enable this function in public PC.



Figure 3-1

## 3.2 Initialization Interface

Click Login button, system begins verifying user name and password and then go to the initialization interface.

Please note it may take a little bit longer to initialize decode card, please be patient.

If it is your first time to use VMS, please go to chapter 3.7.4.2 Option to implement setup.

## 3.3 Main Interface

After initialization, system goes to the main interface. In the main interface, there are real-time monitor interface and other operation and function menu.

The main interface of the general version is shown as in Figure 3-2 and Figure 3-3.

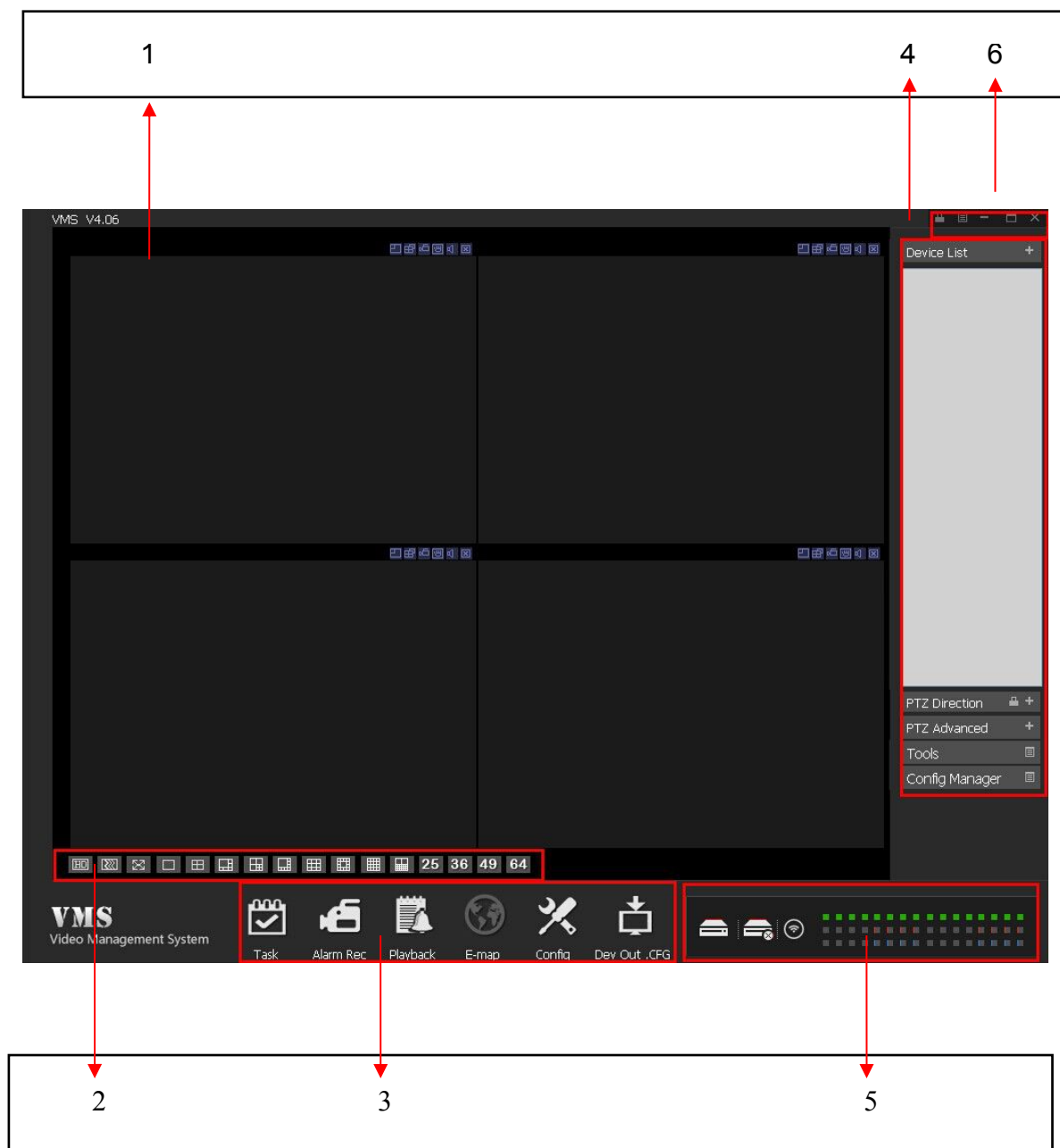


Figure 3-2

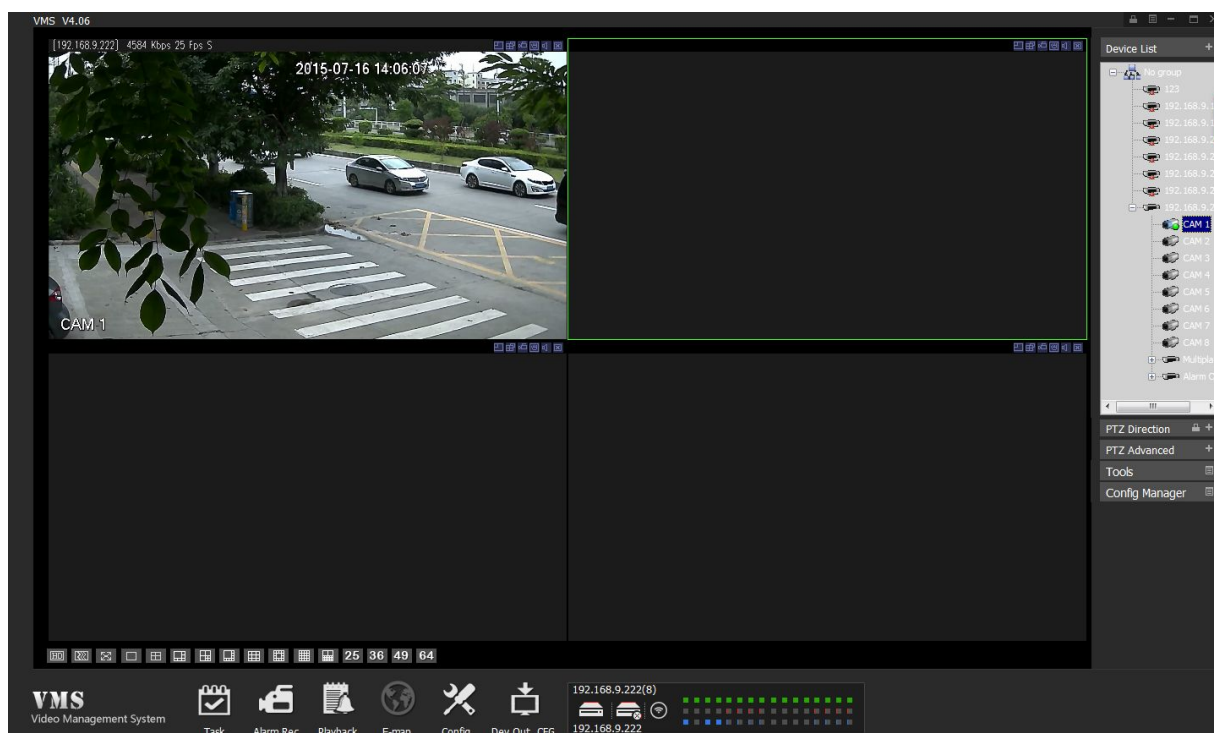


Figure 3-3

- Section 1: Current display window. It is circled by a green boundary. For video control information, please refer to chapter 3.5 Video control zone.
- Section 2: Screen display mode. From the left to the right, there are video quality, real-time/fluency level, and full-screen and 1-64-window mode. Please refer to chapter 3.6 for detailed information.
- Section 3: Function buttons. Here you can view the following buttons: Task (chapter 3.7.1), Alarm (chapter 3.7.2), Playback (chapter 3.7.3), Configuration(chapter 3.7.4) and Device preview video output configuration (Chapter 3.7.6.).
- Section 4: Right tool bar. Here you can view the five buttons: Device list (chapter 3.8.1).PTZ direction (Chapter 3.8.2), PTZ advanced (chapter 3.8.3), Tool (chapter 3.8.4), Setting Manage (chapter 3.8.5).
- Section 5: For general version, it is the device health status. System can update the device information, disk status information; decode alarm, record and other general alarm status. Double click to go to the alarm record interface.
- Section 6: There are five buttons. Lock/Close/Minimize/Switch/Full menu. For Close/Minimize/Switch button information, please refer to chapter 3.4 interface button. Click full menu button; you can view a menu tree shown as in Figure 3-4.

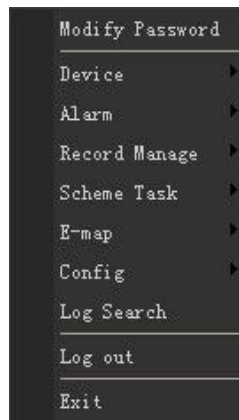


Figure 3-4

When VMS is running, you can also see there is a little icon on your right tray menu. See Figure 3-5.



Figure 3-5

Right click mouse, you can see an interface is shown as in Figure 3-6.

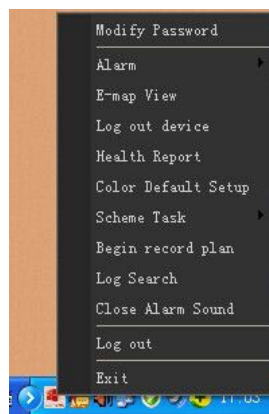




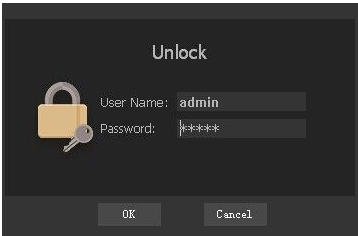



Figure 3-6

### 3.4 Interface Button

Please refer to the following sheet for interface button information.

SN	Icon	Function
1		Click it to display full menu.
2		Display sub-window.
3		Maximize/minimize, restore/switch button.
4		Lock/unlock sub-window.
5		Minimize
6		Close current sub-window.

7		Close current window.
8		Tray menu button.
9	<p>Lock</p> 	<p>Click lock button, you can lock current application to avoid vicious operation. You can see admin has locked current application.</p>  <p>Click the unlock button, system pops up a dialogue box.</p> <p>You need to input the proper password to login again.</p> 
10		<p>These two button are usually in user management or configuration interface.</p> <p>Click Ok to save current modification and then exit. Click Cancel to exit without saving current setup.</p>

### 3.5 Video Control Zone

On the video upper right, there are six icons. See Figure 3-7.

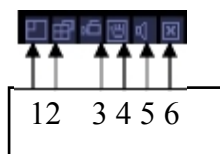


Figure 3-7

Please refer to the following sheet for detail information.

1	Digital zoom	Click this button and then left drag the mouse in the zone to zoom in. Right click mouse system restores original status.
2	Change show mode	Resize or switch to full screen mode. You can double click mouse to change the mode.

3	Local record	When you click local record button, the system begins recording. The recorded file is saved to system folder.
4	Capture picture	You can snapshot important video. All images are memorized in system folder.
5	Audio	Turn on or off audio.(It has no relationship with system audio setup )
6	Close video	Close video in current window.

### 3.6 Screen Display Mode

Screen display mode interface is shown as in Figure 3-8.

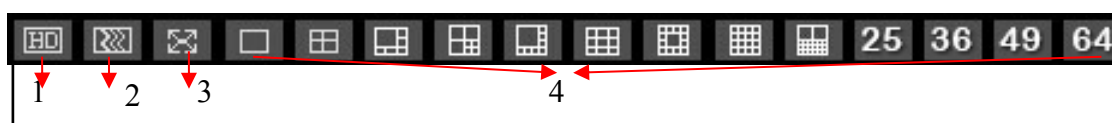


Figure 3-8

From the left to the right, there are video quality, real-time/fluent button, full-screen button and 1-64 screen modes.

**Note:**

In full-screen mode or the window is maximized, sometimes you may notice the height and width of small window can adjust according to the displayer.

### 3.7 Function Button

Function button is show as in Figure 3-9.

It consists of the six buttons: Task/Alarm/Playback/E-map/Configuration/Device local preview output configuration.

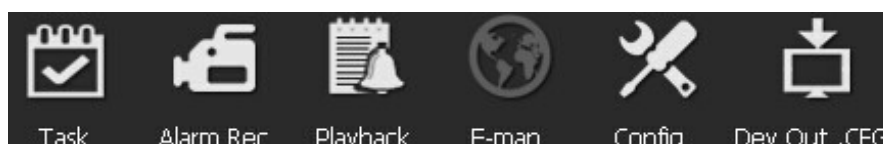


Figure 3-9

#### 3.7.1 Task

Click Task button, the interface is shown as below See Figure 3-10.

Here you can enable/disable the task or project item.

Pause/restore button: Once you enabled one task/project, system display pause button.

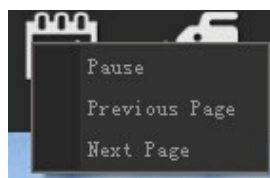


Figure 3-10

## 3.7.2 Alarm Record

### 3.7.2.1 Alarm Record

Click Alarm Rec button, it will show the main interface of Alarm Record. The following Figure 3-11 is standing for the main interface of Alarm Record.

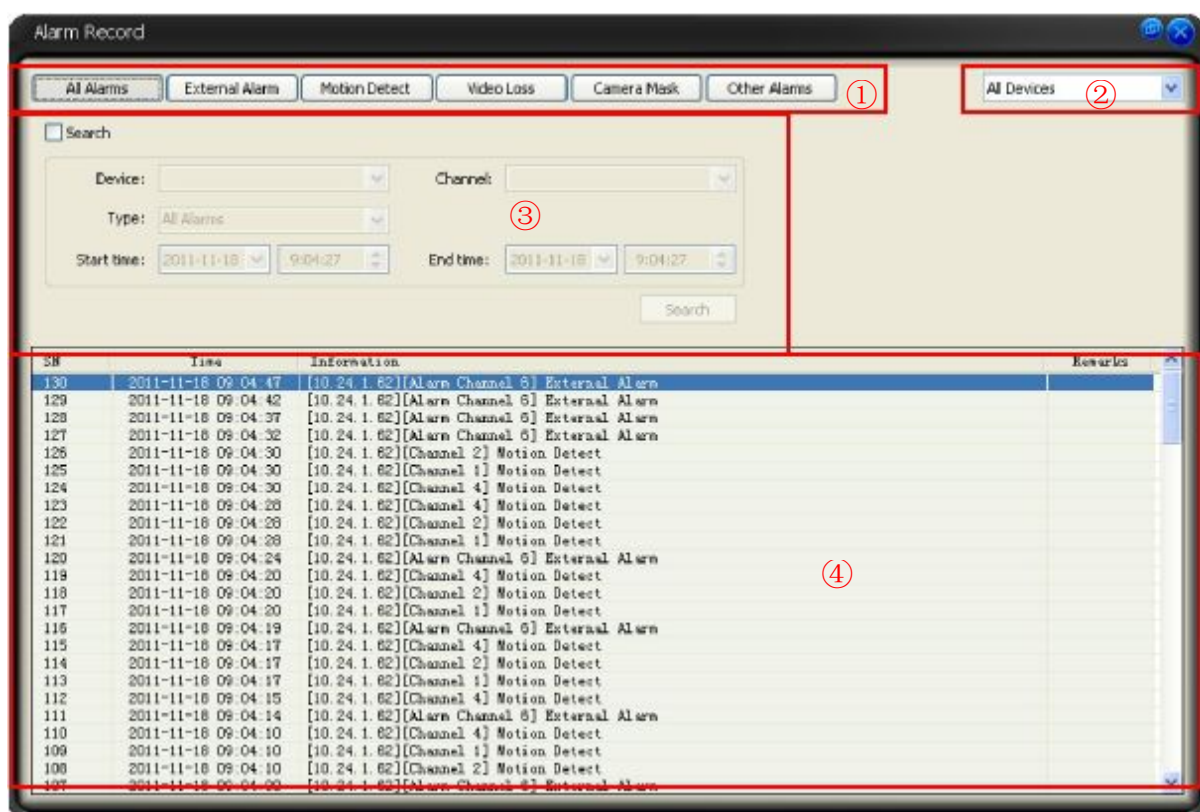


Figure 3-11

Please refer to the following sheet for detail information.

SN	Name	Function
1	Alarm Type	The alarm consists of six types: All alarms/External alarm/Motion detection/Video loss/Camera masking/other alarms.
2	All Devices	You can select a device from the dropdown list.
3	Search	Here you can input the criteria to search the corresponding alarm record. You can view the searched results in pane 4.
4	Alarm record	You can see alarm time and alarm detailed information.

Please go to chapter 3.7.4.2 Option to set “alarm record max amount”. Once the record is full, system automatically overwrites the previous one.

In chapter 3.7.4.2 Option, you can also set alarm information management operation.



Please go to chapter 3.8.5.3 Alarm configuration to set alarm configuration information.

You can click the alarm type in pane 1 to view the alarm record in pane 4. You can also use the search function to view the detailed information of one alarm record.

### 3.7.3 Playback

Here you can view the remote device you can control, and corresponding linkage (activation) record, local record playback and download.

Please note the play control button at the bottom of the interface is for current video window only.

#### 3.7.3.1 Device Record

Device record interface is shown as in Figure 3-12.

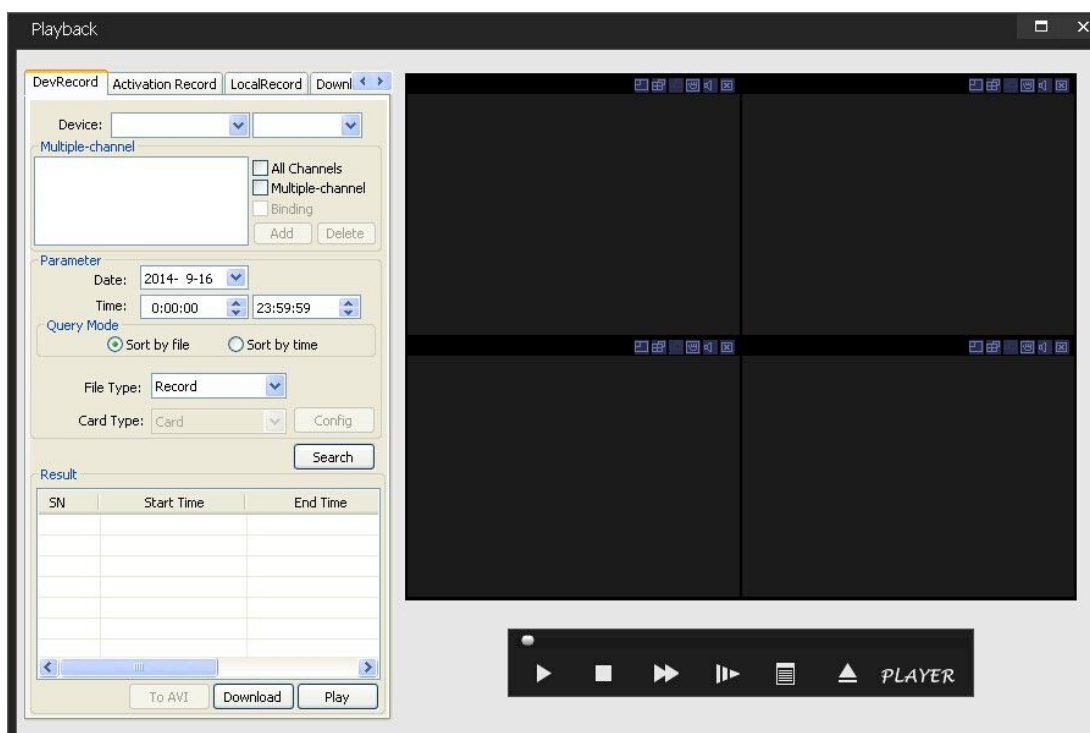


Figure 3-12



In this interface, you can search and download the file(s) from the managed devices. You can specify the time to search the files and then double click the file to playback (Please makes sure you network bandwidth is OK and you have proper right to playback.) See Figure 3-13. The system will search the file(s) by date and list all the file information on the time axis. There are time axis and day axis, you can drag to operate. Red stands for the alarm record. Green stands for the general record. Yellow stands for the motion detect record. You can click the download button to add the checked file(s) to the download task list. You can go to the download interface (chapter 3.7.3.4) to view download process or cancel current download operation. Double click the serial number column, you can select /cancel all files.

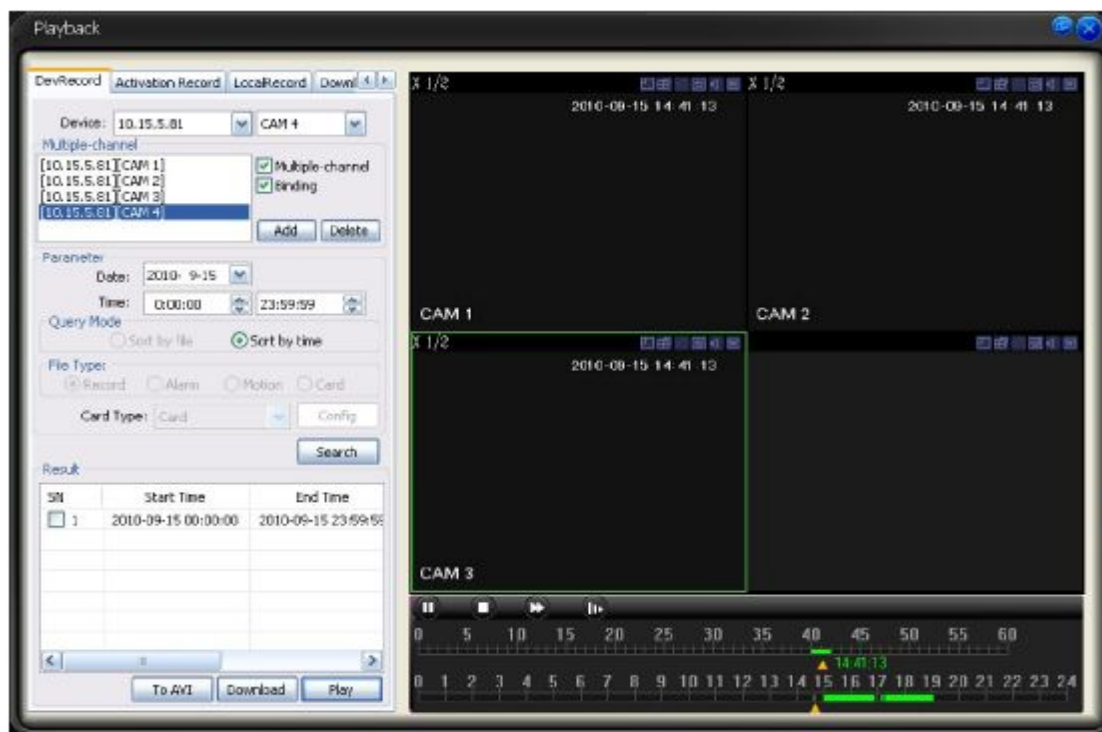


Figure 3-13

You can refer to the following interface for detailed playback information. See Figure 3-14.

SN	Name	Function
1	Pause /play	Play or pause the record play in the specified window.
2	Stop	Stop the record play in the specified window.
3	Fast play	Play the record in the specified window in fast speed.
4	Slow play	Play the record in the specified window in slow speed.
5	Time axis (1-60M)	Here you can view the detailed play time information (0:00-60:00. Unit is minute.) . It is the indication information of the yellow icon in the day axis (Button 6)
6	Day axis (0-24H)	It is to display the searched results by time. All the files listed below are in one day (00:00-24:00. Unit is hour.) Red is the alarm record file. Green is the general record file. Yellow is the motion detect record file.
7	Current play time	The current play time of the file.



Figure 3-14

### 3.7.3.2 Link Record (Activation Record)

Activation record interface is shown as in Figure 3-15.

In this interface, you can search and playback the alarm activation record at the local-end.

Double click the file you can playback the video in current window. Click delete button, you can remove the select file(s). Double click the serial number column, you can select /cancel all files.

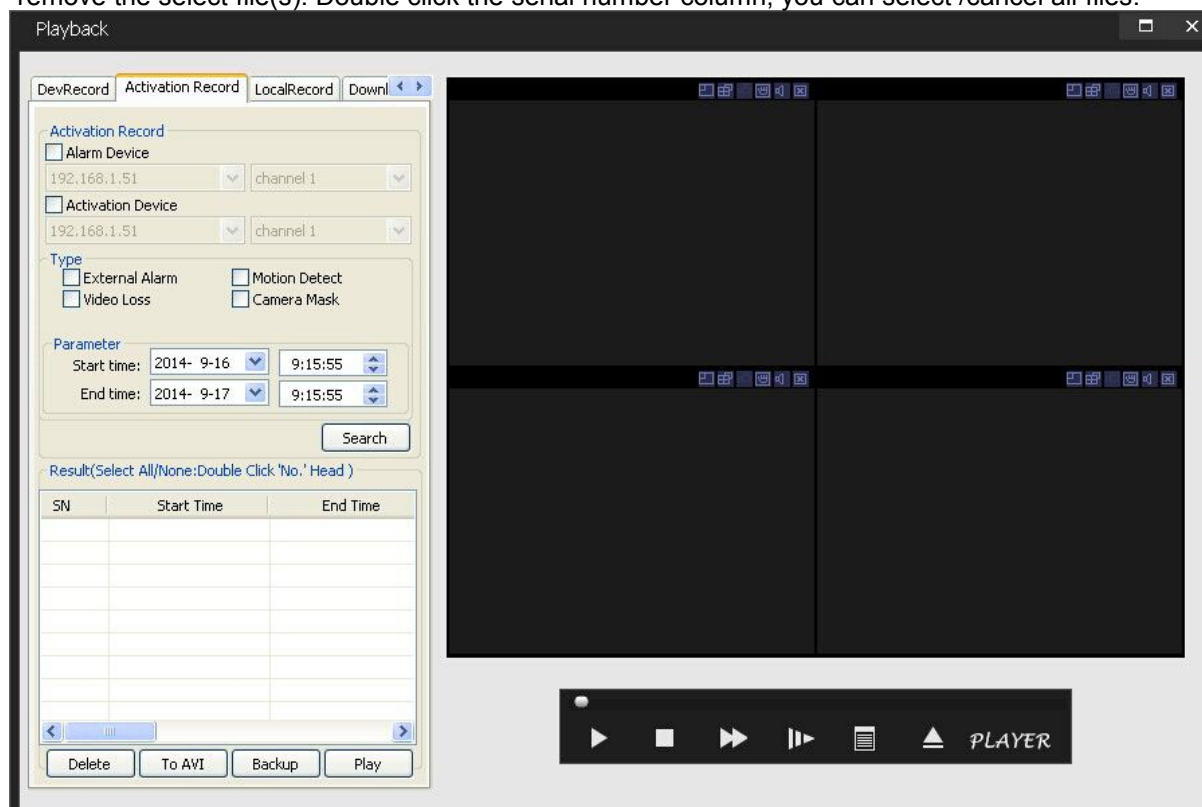


Figure 3-15

### 3.7.3.3 Local Record

Local record interface is shown as in Figure 3-16.

Here you can search and playback all files at the local-end. Double click the file name you can open the video in current window. If you select the image file, then system open the image. Click delete button, you can remove the select file(s). Double click the serial number column, you can select /cancel all files.

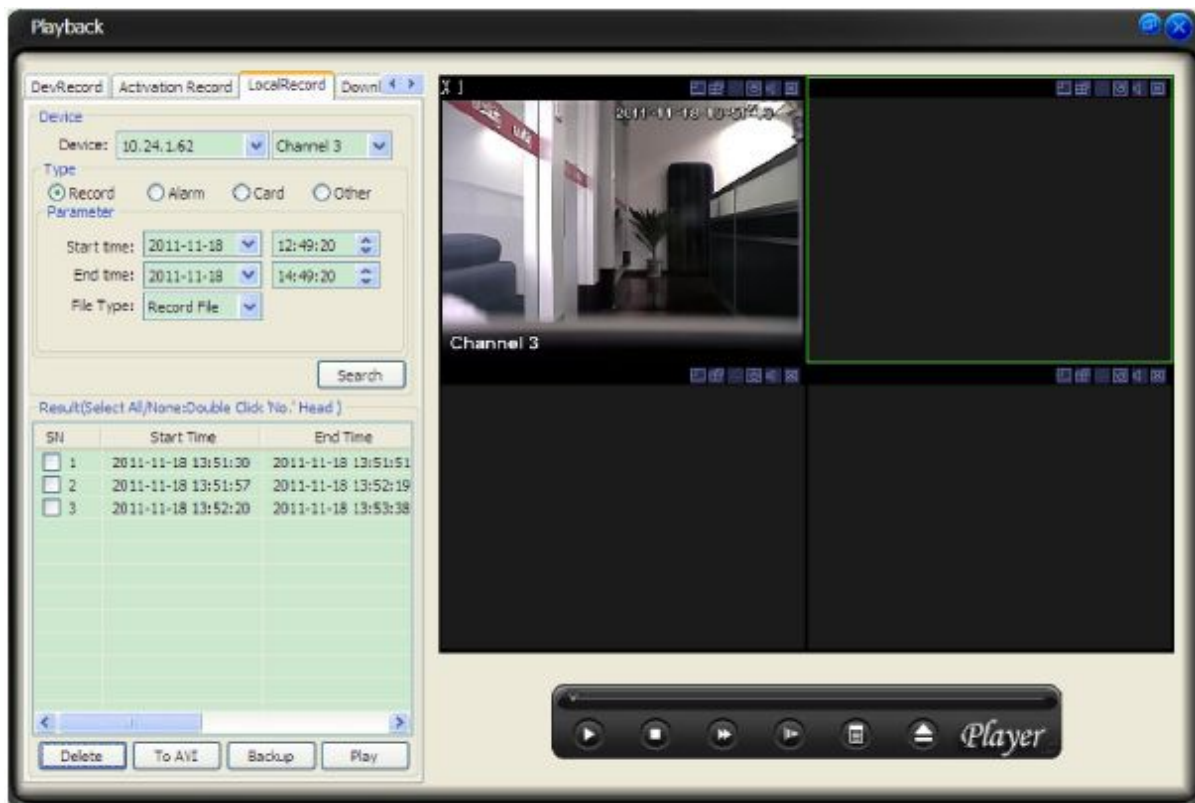


Figure 3-16

You can see the activation record in the activation record interface after you set the activation setup for one type of the alarm in the alarm record configuration interface. You can also search the activated channel record in the local record interface.

### 3.7.3.4 Download

Download interface is shown as in Figure 3-17.

In this interface you can see the download task process and record file information. You can click stop button to cancel current operation.

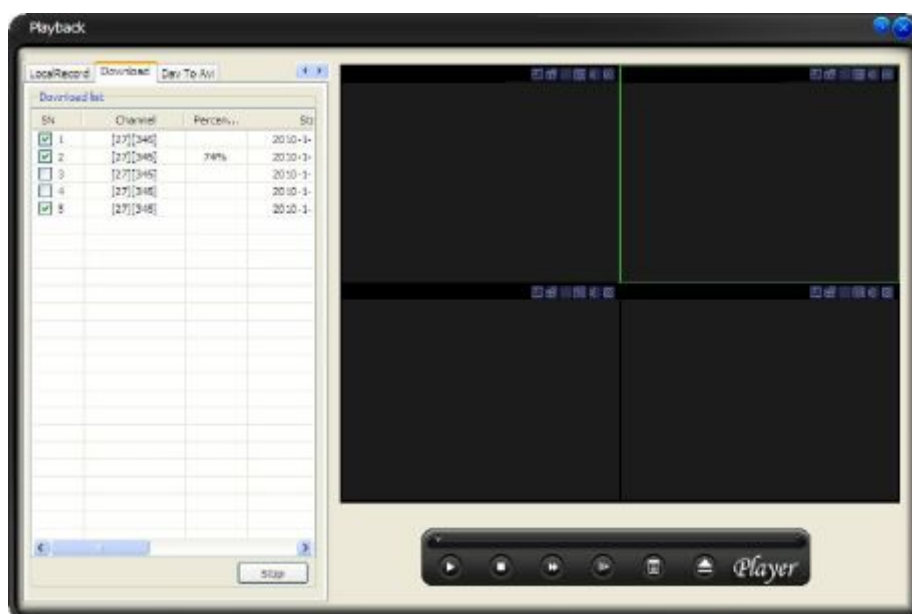


Figure 3-17

### 3.7.3.5 To Avi

To AVI interface is shown as in Figure 3-18.

In this interface, you can convert the AVI file so that these recorded files can play in general player.

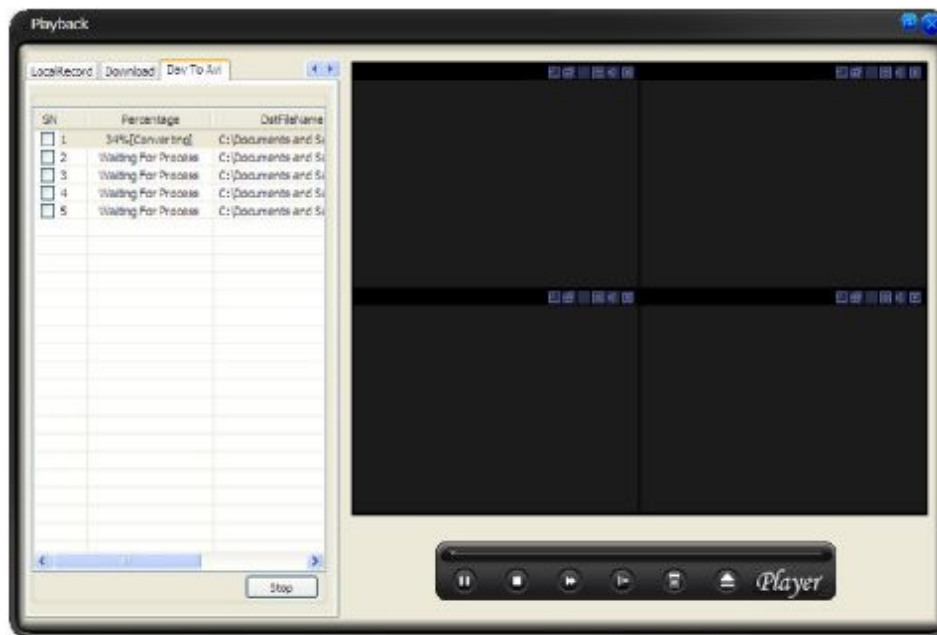


Figure 3-18

Please refer to the following sheet for detailed information.

Parameter	Function
Type	Search general record, alarm record, motion detection record and card record.
Alarm	Search alarm record.
Motion Detection	Search motion detection record.
Card	Search card record.
Start time	Set the file start time.
End time	Set the file end time.
Channel	Select the channel from the dropdown list.
Search	Click this button you can view the recorded file matched your requirements.
Playback	Select the file first and then click playback button to view the video. Double click serial number (SN) column you can select t all files.

Download type	<p>Download by file: Select the file(s) and then click Download button.</p> <p>Download by time: Download the recorded file(s) within Your specified period</p>
Download	<p>Select the file you need (multiple choices) and then click download button, you can see system pops up a dialogue box, please specify file name and path to download the file(s) to your local pc.</p> <p>Input the downloaded file name, specify the path and then click OK button. You can see system begins download and the download becomes stop button. There is a progress bar for your reference.</p>
Linkage record	You can search the alarm activated record in the local end. Double click the file name you can open the video in current window.
Local record	<p>Select local record to play.</p> <p>Double click serial number (SN) column you can select all files.</p>

### Important

Please note record save path and download save path are not the same. Please refer to chapter 3.7.4.2 Option.

## 3.7.4 Configuration

Click Config button, you can see an interface is shown as below. See Figure 3-19.



Figure 3-19

### 3.7.5.1 Password Modification

Click Modify password button, system pops up the following interface. See Figure 3-20.



Figure 3-20

Please input the old password and then input new password twice to change the password.

### 3.7.4.2 Option

Click option button, the interface is shown as in Figure 3-21.

- System basic setup

- ✧Language: VMS support Chinese and English. Please select from the dropdown list.
- ✧Mode: VMS supports the general mode
- ✧Verify password: Once you check the box here, you do not need to input the password when you want to log out. System just allows you to log out directly.
- ✧Login all devices: User automatically logged in all devices after VMS booted up.
- ✧Load decode card when system boots up: Load the decode card automatically after you logged in.
- ✧Auto start record plan: System automatically enables all record plans once you logged in.
- ✧Auto pop up alarm information dialogue box: VMS pop up the alarm recode when alarm occurred.
- ✧Auto login the VMS: When VMS booted up, system uses the previous account to login the VMS.
- ✧Auto runs VMS when system boots up: After you PC completely booted up, system automatically runs VMS.
- ✧Hotkey Setup: Here you can set hot key for the operation button. Please note system default debug hot key is F12. Do not set the debug key when you set the hotkey button.
- ✧Displayed items in the right bar: System show which operation button by default.
- ✧Preview picture: Open image mode when preview. If you check the box, then the picture will be displayed in the system default program. If you do not check the box then it will displayed in the VMS.
- ✧Display alarm item in the interface: Here you can specify you most concern alarm items.

- ✧Automatically register service listening port: You can input listening port value here.
- ✧Get all devices health report enable: You can check the box to get all devices health report (chapter 3.8.4.3.)

- Record basic setup

- ✧Snapshot picture path: You can specify image save default path.
- ✧Device free minimum space (MB): Once system reaches the threshold, system will overwrite the old files automatically.
- ✧Picture file name rule: You can specify image name rule in the dialogue box.
- ✧Record Time (M): Please select from the dropdown list.
- ✧Recorded file path: You can specify the file save path.
- ✧Recorded file name rule: You can specify file name rule in the dialogue box.
- ✧Downloaded file path: You can specify the download file

- Auto start monitor setup

- ✧Auto start project: The project to be run.
- ✧Project name: please input the project you wan to run automatically.
- ✧Auto start task: The task to be run.
- ✧Task name: Please input the task you wan to run automatically.
- ✧Last run: The previous task and project will become active after you successfully logged in the VMS.
- ✧Save last monitor status: System will restore the previous monitor status when it boots up the next time.

- Synchronization time setup

- ✧Auto synchronizes the PC time to the device: System automatically synchronizes the time of the front-end device.

- ✧ Sync time: You can set the time for the synchronization function operation. (Please make sure you have enabled synchronization function.)
- ✧ Auto restart device: Once the local PC time is earlier than the front-end device time, after the synchronization, front-end device needs to reboot to get the new time activated.
- Alarm record basic setup
  - ✧ Alarm record max amount: The max record amount in the alarm record window. System automatically overwrites the earliest record once the record is full.
  - ✧ Refresh interval: Here you can specify device health status update interval. Please refer to Chapter 3.9 device health status.
  - ✧ Use pop-up window for alarm activation video: Once you check the box, system will pop up a new window to display the alarm activation video (not in the main interface). Please refer to chapter 3.8.4.5 alarm activation video for detail information.
  - ✧ Alarm video window amount: You can specify the window amount for the pop-pup alarm activation video window. Please refer to chapter 3.8.4.5 alarm activation video for detailed information.
  - ✧ Add disarming alarm message to the alarm record: Enable this function, system can add the disarming alarm message to the alarm record interface. Otherwise, system only displays the armed alarm message.
  - ✧ Alarm information output port: After you checked the box here, all the alarm information from the devices will be communicated with the peripheral applications via the port you set here.

**Note:**

**You need to reboot the system to activate the items with \*!**

The screenshot shows the 'Option' configuration window with the following sections and settings:

- System basic setup:**
  - Language: English \*
  - Mode: General Version \*
  - ☐ Verify password
  - \* ☐ Login all devices
  - \* ☐ Load decode card when system boots up
  - \* ☐ Auto start record plan
  - ☐ Auto pop up alarm information dialogue
  - \* ☐ Auto login VMS
  - ☐ Auto run VMS when system boots up.
  - Hot Key Setup: Real-time monitor window ii Ctrl + F \*
  - Auto register service listening port: 12366
  - Displayed items in right bar: Device List \*
  - Preview Picture: ☒ System default open mode
  - Display alarm item in interface: External Alarm Motion Detect \*
  - ☒ Get all devices' running status.
- Record basic setup:**
  - Snapshot picture path: C:\PSS\Pic ...
  - Device free minimum capacity(MB): 2000
  - Picture File Name Rule: {RECTYPE}\_{Y4}{M2}{D2}{H2}{m2}{S2}\_{DEVID}\_{CHNII} ...
  - Record Time(Minute): 5
  - Recorded file path: C:\PSS\Record ...
  - Record File Name Rule: {RECTYPE}\_{Y4}{M2}{D2}{H2}{m2}{S2}\_{DEVID}\_{CHNII} ...
  - Downloaded record file name rule: {RECTYPE}\_{Y4}{M2}{D2}{H2}{m2}{S2}\_{DEVID}\_{CHNII} ...
- \*Auto start monitor setup:**
  - Auto Start Project: ☐ Yes/No
  - Auto Start Task: ☐ Yes/No
  - Project Name: ...
  - Task name: ...
  - ☐ Last Run
  - ☐ Save last monitor status
- Sync time setup:**
  - \* ☒ Auto sync PC time to device
  - Sync Time becomes valid at: 14:00:00
  - ☐ Auto reboot device
  - Week: ☒ Sun. ☐ Mon. ☐ Tues. ☒ Wed. ☒ Thurs. ☒ Fri. ☒ Sat.
- Alarm record basic setup:**
  - Alarm record max amount: 999
  - Refresh interval: 10 Sec. \*
  - \* ☐ Use pop-up window to display the alarm video.
  - Alarm video window amount: ... \*
  - ☐ Add disarming alarm message to the alarm record
  - \* ☐ Alarm information output port: 39999 \*

Buttons: OK, Cancel

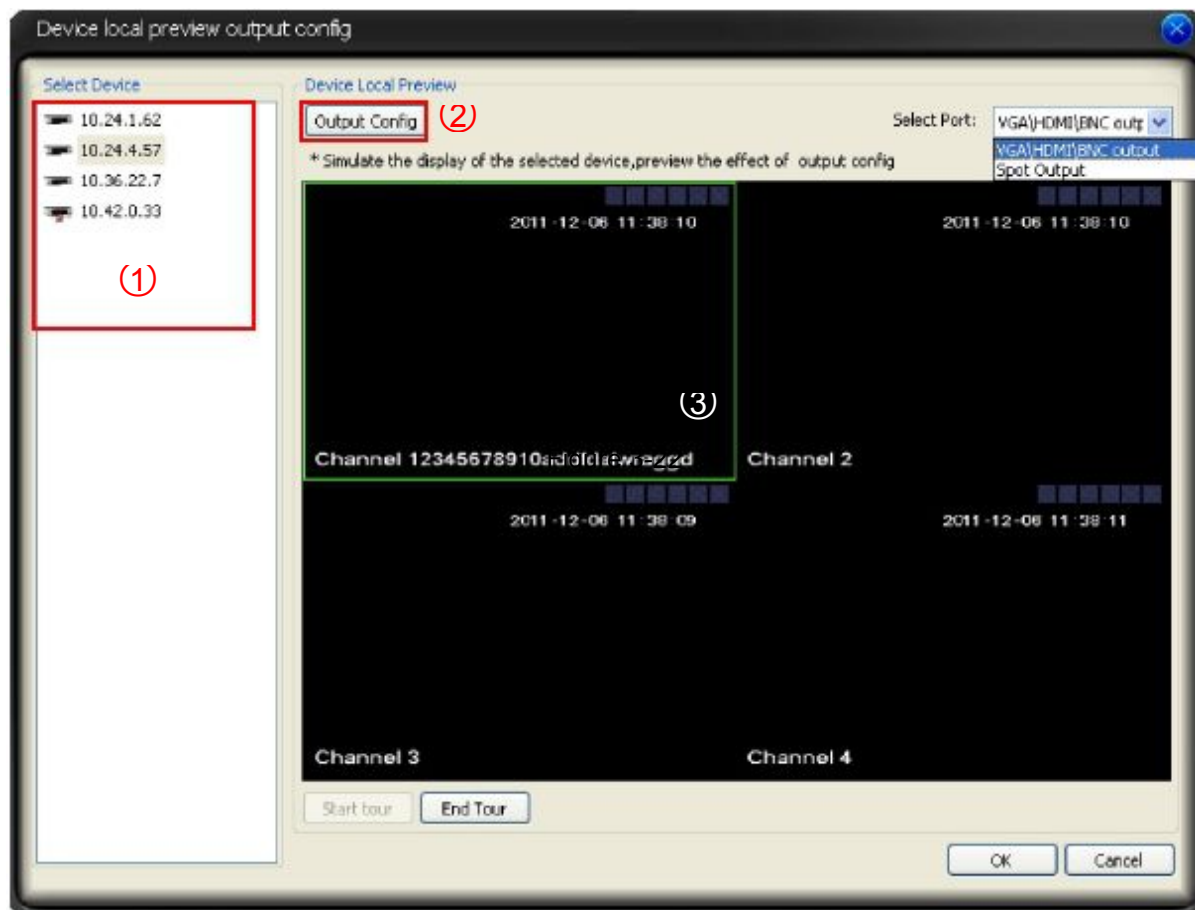
Figure 3-21



### 3.7.5 Device Preview Output Config

After you set the corresponding output mode of the device, you can click the OK button to preview according to your setup. This function mainly supports search, set and execute the DVR local output and the matrix setup plan.

Click Dev Out.CFG button in the VMS main interface, you can see the following interface. See Figure 3-22.



SN	Name	Function
1	DVR list	You can view the DVR available. Here we can view and preview the local output setup of the device.
2	Output mode	Here you can view the output mode option. It includes: SPOT output and VGA/HDMI/BNC output mode. You can select from these two modes and simulate the display.
3	Preview interface	<p>Here we can simulate all the setup plans we just specified in this interface.</p> <ul style="list-style-type: none"> <li>● Start tour: System can play according to your setup plan in the pane 3: The enable tour button is null when you open the local output setup interface. It directly displays according to the previous local preview setup. The enable tour button is valid after you clicked the disable tour button.</li> <li>● End tour: Click it to turn off current tour interface and the "enable tour" button becomes</li> </ul>



		<p>valid. Click the "enable tour" button again, system begins to display in the pane 3 again.</p> <ul style="list-style-type: none"> <li>● When you switch from the SPOT mode to the VGA/HDMI/BNC output mode, system automatically disable current SPOT plan and begin the plan of the VGA/HDMI/BNC.</li> </ul>
--	--	--

## Output Configuration

Click it you can view the detailed setup information. See Figure 3-23.

- Select port: There are also two modes: SPOT output and the VGA/HDMI/BNC output. The setup here is for the following tour setup plan. Once you select VGA/HDMI/BNC output, the following tour setup and video mode is for VGA/HDMI/BNC output mode only. Your setup in pane 2 of Figure 3-22 is for preview play mode only.
- Tour enable: After you enabled the tour function, you can select various modes to begin the tour. There is only one status available if you have not enabled the tour function, other operations are all null.
- Window-mode configuration: In pane 3 of Figure 3-22, you can view the local output effect. It supports 1/4/9/16-window mode. You can select in the following interface.
- Resume default: Current setup can become the default mode after you clicked this button.

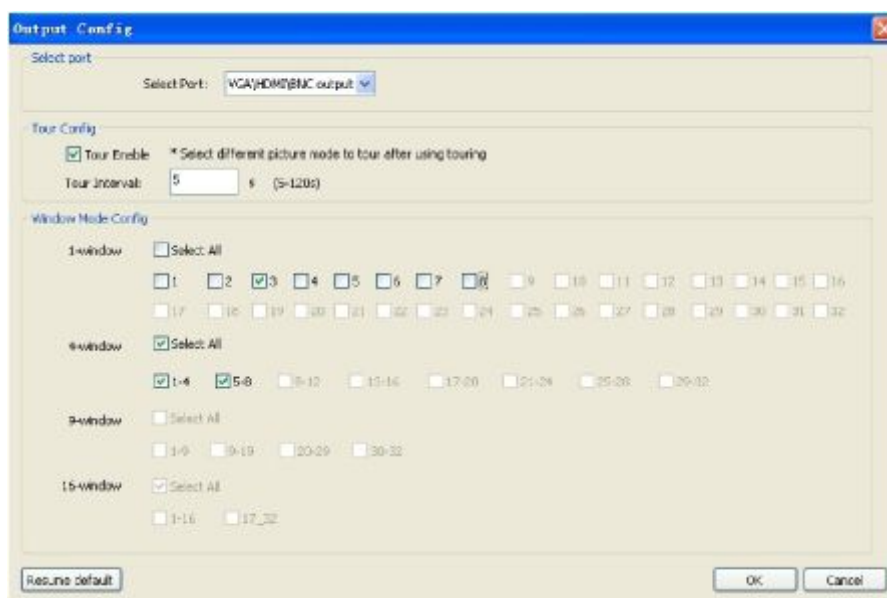


Figure 3-23

## 3.8 Right Tool Bar

System right tool bar is shown as in Figure 3-24.



Figure 3-24

### 3.8.1 Device List

#### 3.8.1.1 Device list main interface

Here you can view all the devices information you can configure. All logged in device channel have open. See Figure 3-25.

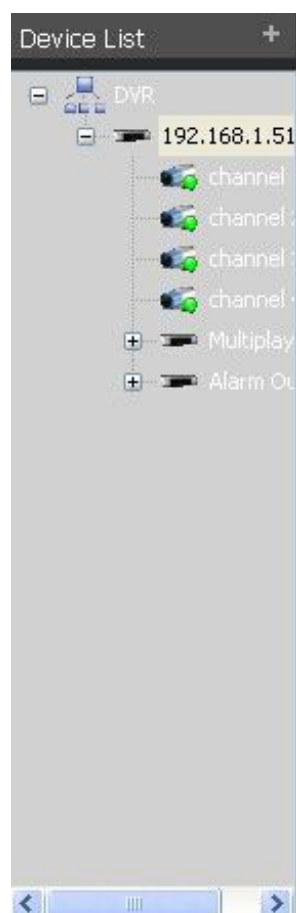


Figure 3-25

### 3.8.1.2 General device operation

Select one device and then right click mouse, you can see device operation menu. It consists of six items: Main stream/Extra stream/Log out/Attribute/Audio talk format/Advanced.

Please note the audio talk format and advanced is valid for logged in device only.

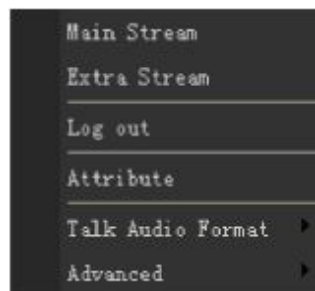


Figure 3-26

- Main stream: It is to open the real-time monitor channel of the device via the main stream. It can select the real-time monitor amount according to the current window mode. For example, system is in 4-window mode while the device has 8-channel. Click the main stream; you can see the first to the fourth channel of the device will play via the main stream in the real-time monitor window. If you are in 8-window mode now. You can see the eight channels (all channels) are playing in current real-time monitor window via the main stream.
- Extra stream: The device channel will play via extra stream. The resolution may be low and the video quality may be low.
- Log out: Log out current device.
- Attribute: Here you can view some basic device information such as title, IP and etc. See Figure 3-27.

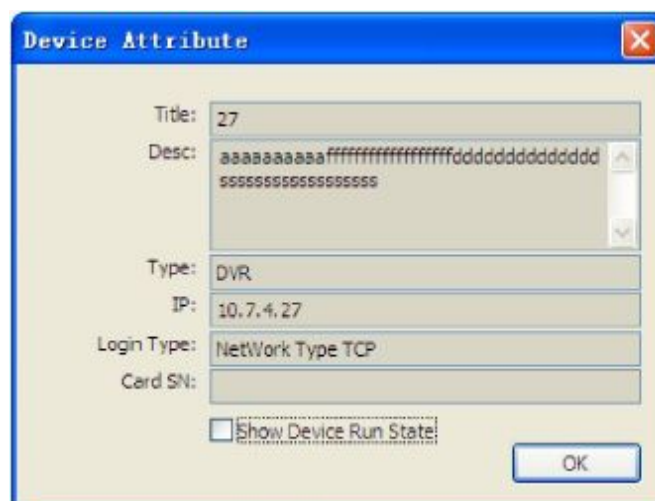


Figure 3-27

- Audio talk format: System pops up the audio encode mode it supported. You can select the audio encode mode. The circle means there is audio talk in process. You can also right click mouse in one window to select the audio talk mode system supported.
- Advanced: It consists of synchronization PC/reboot/Device configuration.
  - ✧ Synchronization device time: it is to synchronize device time with the PC.
  - ✧ Reboot: It is to reboot current device.
  - ✧ Device configuration: Please refer to corresponding device user's manual for configuration information.

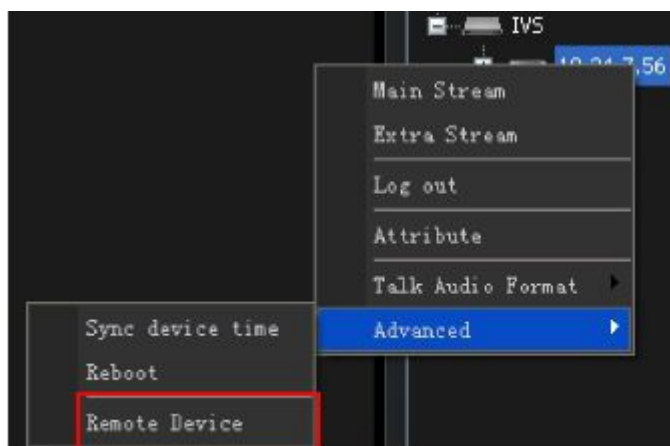


Figure 3-28

Click “device config” button, you can see the intelligent setup interface. See Figure 3-29.

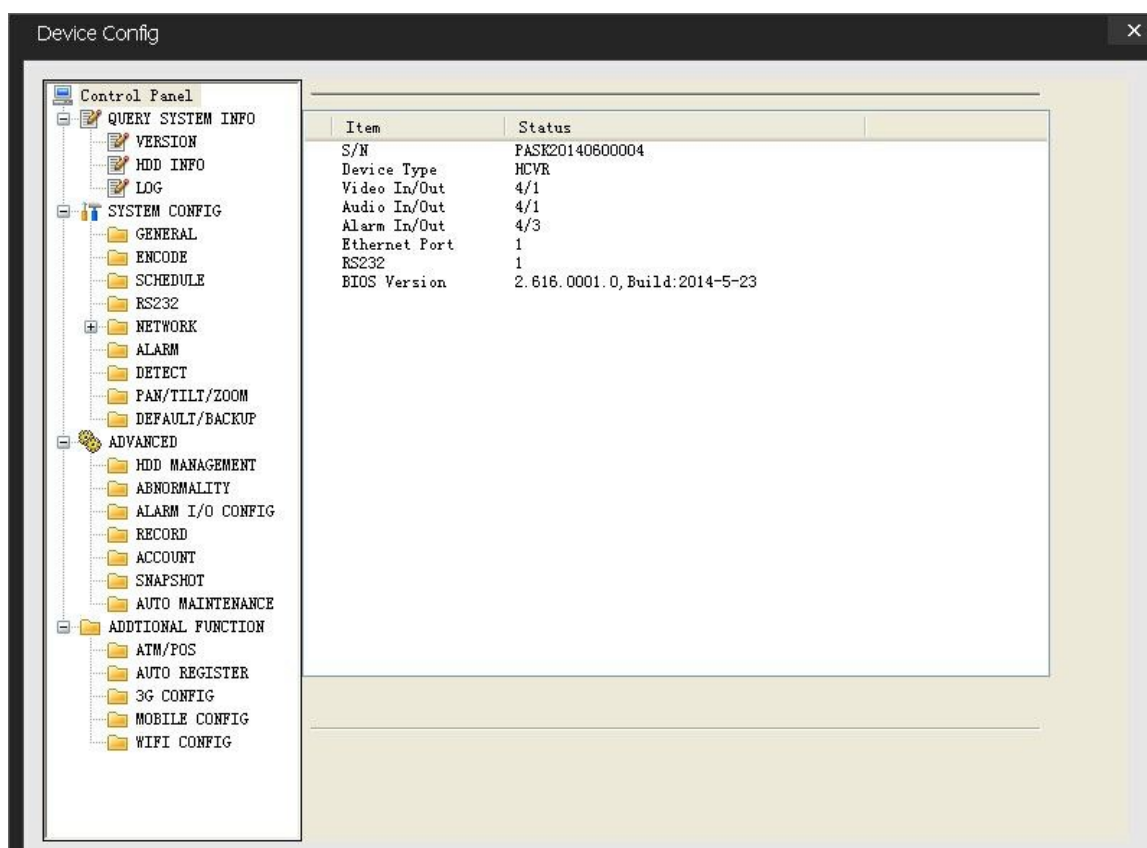


Figure 3-29

### 3.8.2 PTZ Direction Control

If you want to use PTZ function, please make sure:

- Current device has PTZ function.
- You have proper right to control the PTZ.







If you still can not use PTZ function, please check device PTZ protocol is right or not.


Click the icon  or the “PTZ Direction” title to open the interface.

The PTZ direction interface is shown as in Figure 3-30.

The step value ranges from 1 to 8. There are eight direction keys.

In the middle of the eight direction arrows, Click this button, system goes back to the single screen mode. Drag the mouse in the screen to adjust section size. When the mouse move from the up to the down, you can see the screen zoom in. When the mouse from the down to the up, you can see the screen zoom out. Please note you need to use mouse to operate this function. Here is a sheet for you reference.

Name	Function key	function	Function key	function
Zoom		Near		Far
Focus		Near		Far
Iris		close		Open

Click the Lock icon  you can see the PTZ direction interface is overlay current interface. You can use this function to realize the PTZ direction control in one-window mode. Click the icon again; you can lock it to the right tool bar frame.

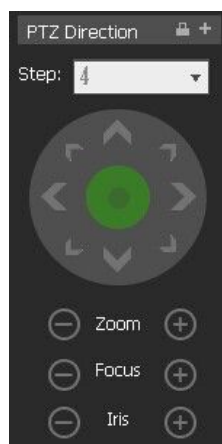


Figure 3-30

### 3.8.3 PTZ Advanced

Click PTZ advanced, the interface is shown as in Figure 3-31.



Figure 3-31

Parameter	Function
Scan	<p>Click auto scan button, You can set scan left limit and right limit and then start a scan.</p> <p>Move the camera to you desired location and then click left limit button.</p> <p>Then move the camera again and then click right limit button to set a right limit.</p>
Preset	<p>Use direction keys to move the camera to your desired location and then input preset value.</p> <p>Click add button, you have set one preset.</p>
Tour	<p>Click setting button, Input auto tour value and preset value.</p> <p>Click add button, you have added one preset in the tour.</p> <p>Repeat the above procedures you can add more presets in one tour.</p> <p>Or you can click delete button to remove one preset from the tour.</p>
Pattern	<p>Click pattern button, You can input pattern value and then click start record button to begin PTZ movement.</p> <p>Please implement camera operation.</p> <p>Then you can click stop record button.</p> <p>Now you have set one pattern.</p>
Aux	For some special functions, you need to use Aux button.
Flip	For camera supports flip function, system can turn video upside down and then collect.
Light	For most fixed cameras, it has its own light.
Wiper	For most fixed cameras, it has its own wiper.

Click AUX button, you can see the following interface. See Figure 3-32.

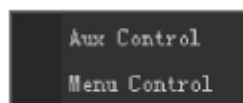


Figure 3-32

In Figure 3-32, click Aux control, you can see an interface is shown as in Figure 3-33

Here you can send out the aux command to the remote PTZ.

Please click the cancel button to exit the dialogue box.



Figure 3-33

In Figure 3-32, click menu control, you can see an interface is shown as in Figure 3-34

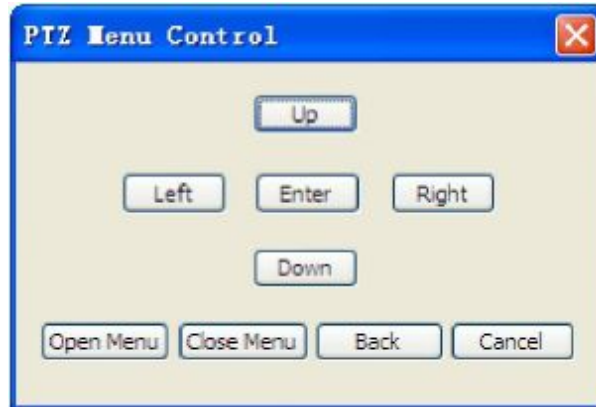


Figure 3-34

PTZ menu is from the internal PTZ device for you to control the PTZ. Click the open menu button, you can see the PTZ menu overlays the video window. See Figure 3-35.

Please make sure the real-time source device has the PTZ, and the PTZ has internal menu, otherwise you can not see the following interface.



Figure 3-35

The up/down/left/right is to for you to select the option item. Click enter button to confirm your current selection, execute corresponding function or go to the next menu.

Click back button to go back to the previous menu.

Click cancel button to close PTZ menu.

### 3.8.4 Tools

Click tool button, you can see the following interface. See Figure 3-36.

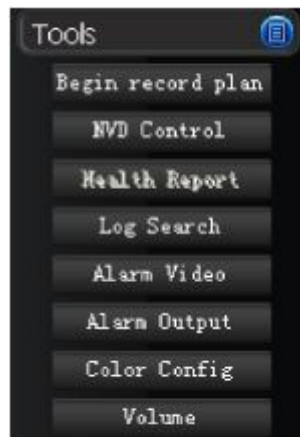


Figure 3-36

#### 3.8.4.1 Begin/Stop record plan

After you set the record plan, you can click this button to enable it. Once there is running record plan, the item becomes “stop record plan” button.

#### 3.8.4.2 NVD Control

NVD is a hardware device. You can use NVD to output the video to the video wall or other devices.

#### 3.8.4.3 Health Report

Please note, you need to go to chapter 3.7.4.2 Option to check the “Get all devices health report enable”. Otherwise you can not see the following interface.

Health report interface is shown as below. See Figure 3-37.  
There are three sections.

- Section1: Detail running information of all devices.
- Section2: Once you enable auto refresh function, system can auto update list regularly.
- Section3:
  - ✧Refresh: Click refresh button to view latest running status.
  - ✧Export: click it to export current running status to the specified file.



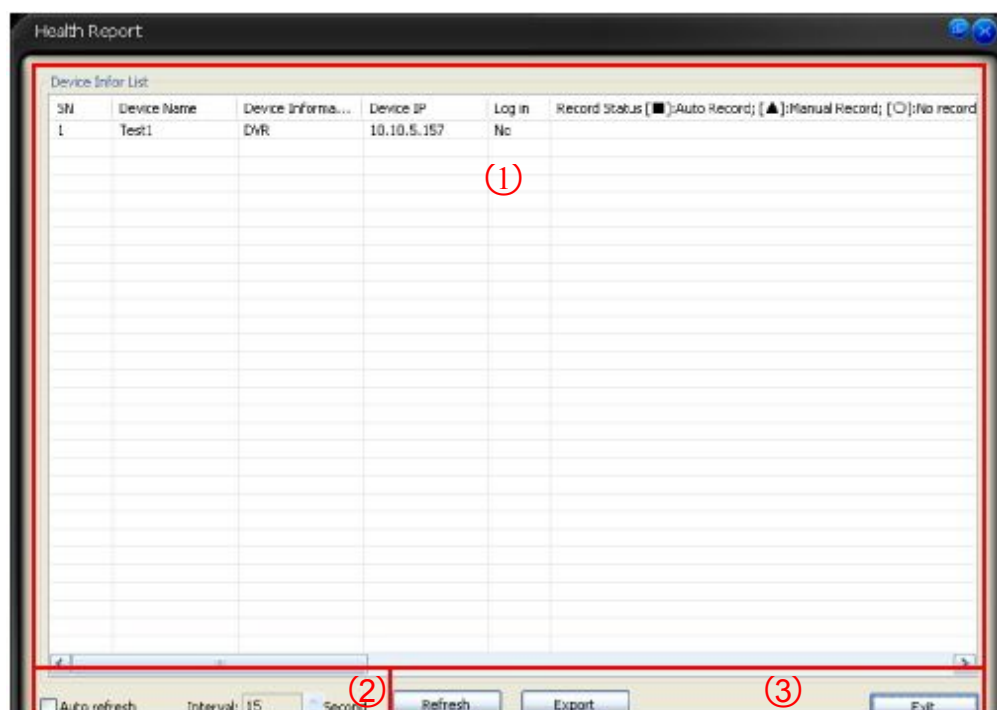


Figure 3-37

### 3.8.4.4 Log Search

System displays the log information according to the filter (such as user, time, type and etc.) you set. See Figure 3-38. There are max 1000 logs in one page.

- User: Select the user name here. Please note admin can select log of all users while the ordinary user can only search its own log.
- Date: Here you can specify the log date.
- Log type tree: Here you can select the log type you want to view.
- Export: Click you can specify the path to save the log files to your local PC.
- Previous page: Click it to view the previous 1000 logs.
- Next page: Click it to view the next 1000 logs.
- Cancel: Click it to exit log search interface.

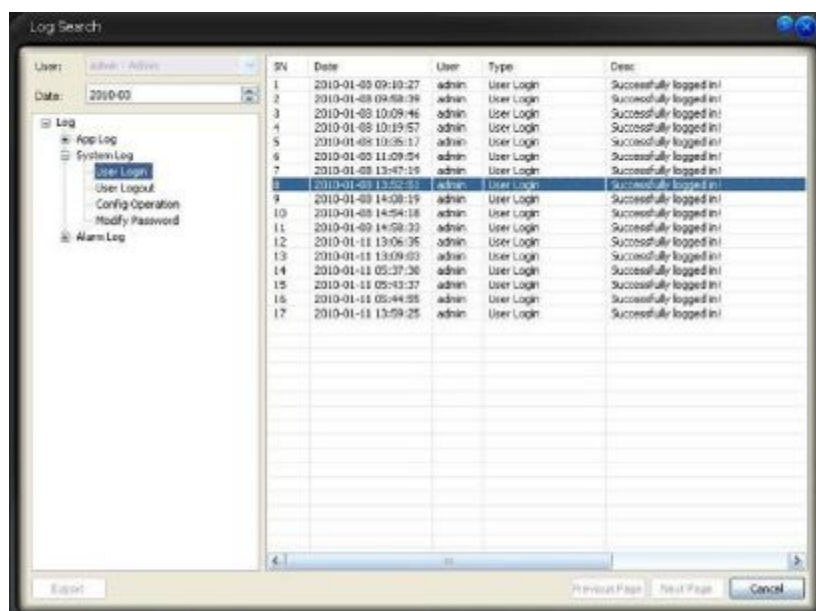


Figure 3-38

### 3.8.4.5 Alarm Video

Please note the following interface is a pop-up window to display the alarm activation video. See Figure 3-39.

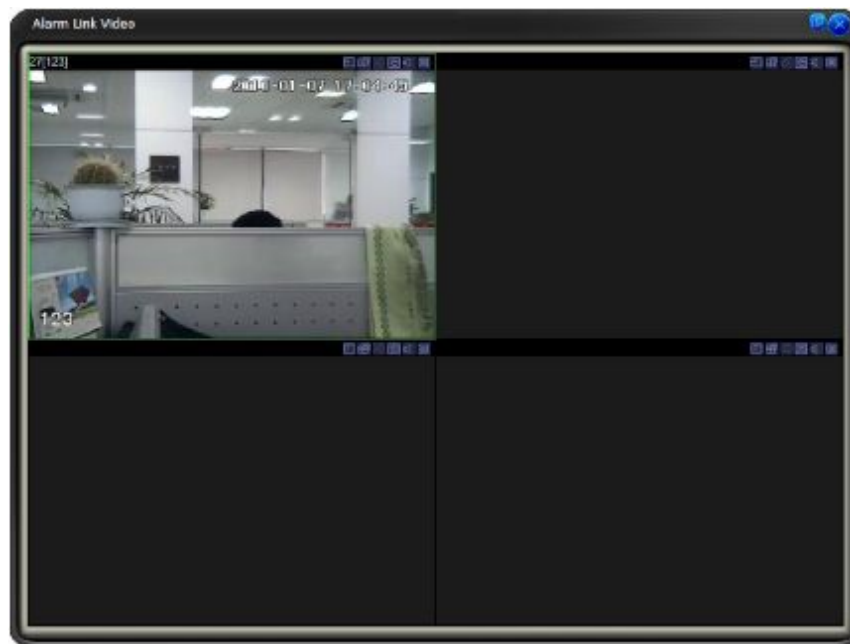


Figure 3-39

Please go to chapter 3.7.4.2 Option to enable this function and set the corresponding window amount.

See



The alarm activation video will be displayed in the pop-up small window one by one. If there is no idle window, the new alarm activated video will replace the previous one.

You can see the following interface if there is displayed activated video. See Figure 3-40.

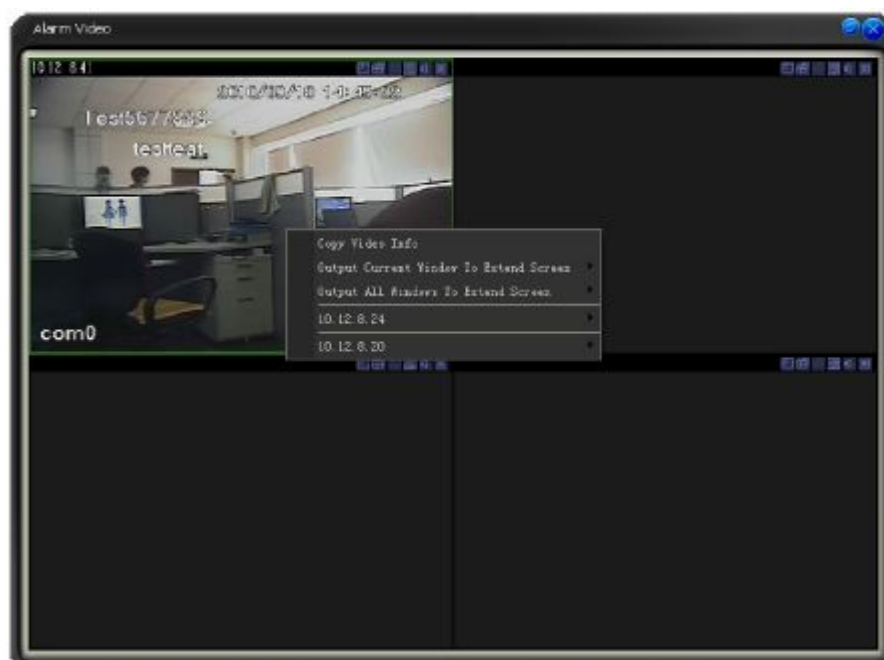


Figure 3-40

- Copy video information: Click copy video information button first, then go to the main window and NVD control interface and right click mouse. Now you can see there is an option allows you to paste video information button. Select the paste video information; you can see the alarm activation video in the corresponding window.
- Output current window to the extension screen: There are several extension screen names. You can click the corresponding name to output the current window to the specified extension screen. (**Important:** Please make sure you have added the extension screen, otherwise you can not see this item.)
- Output all windows to the extension screen: There are several extension screen names. You can click to output all windows to the specified extension screen. (**Important:** Please make sure you have added the extension screen, otherwise you can not see this item.)
- 10.12.8.24 and 10.12.8.20 (The IP address here is for example only. Please make sure you have connected to the decoder or the SNVD, otherwise you can not see the corresponding item.): These are the decoder and SNVD name that has logged in. You can select the connected screen name of the corresponding device from the dropdown list to output the alarm activation video to the specified screen.

#### 3.8.4.6 Alarm Output Control

Click the alarm output control button, the interface is shown as in Figure 3-41.

Here you can enable or disable the alarm output ports of all logged in devices.

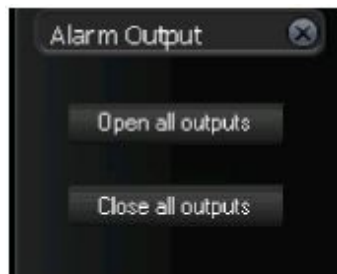


Figure 3-41

#### 3.8.4.7 Color Configuration

Color setup interface is shown as in Figure 3-42.

Here you can adjust the brightness, contrast, saturation, hue of the specified window in the main interface.

You can click default button to restore default color setup.



Figure 3-42

#### 3.8.4.8 Volume

The volume interface is shown as in Figure 3-43.

There are three function buttons:

Sound box volume control, microphone volume control and close alarm audio.

Close alarm sound function is to disable sound when there is device alarm.



Figure 3-43

### 3.8.5 Setting Manage

Setting manage menu is shown as below. See Figure 3-44.



Figure 3-44

#### 3.8.5.1 Scheme and Task (Task and Project)

Monitor task is a series operation to open the video. If current camera supports PTZ, then system can go to specified preset.

Monitor project: It consists of several tasks.

Please note you need to create task first and then create a project.

In the task list column, you can view all configured task names.

In monitor item column, you can view the detailed information of selected task.

Please note, when system is in modification mode, you can not modify the task name.

#### **Task**

Task interface is shown as in Figure 3-45.

- Task list: Here you can view task name. Select one name, you can view corresponding information on the right side.

- New: Click it you can see an interface is shown as in Figure 3-45. Here you can create a new task.
- Modify: Modification interface is shown as in Figure 3-45. Please note you can not edit task name.
- Delete: You can click it to remove one task.
- Import: You can import task from specified XML file.
- Export: You can export current task to a XML file.

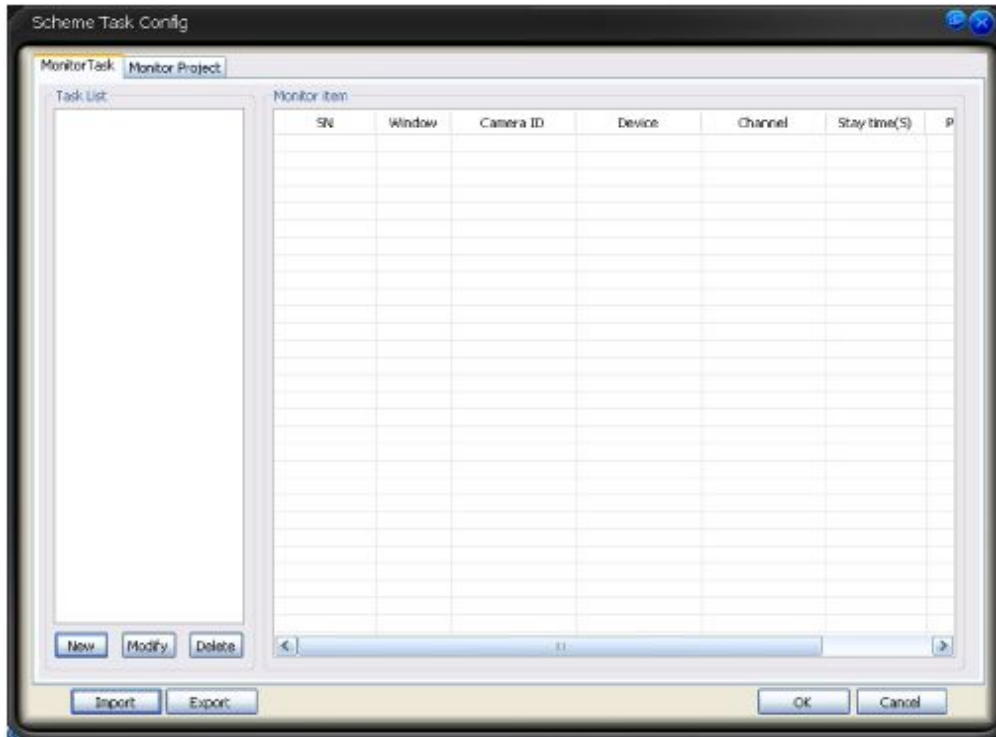


Figure 3-45

Task edit interface is shown as in Figure 3-46.

- Task Name: Please input task name here if you want to create a new task. Please note, if you are going to edit the task. You can not modify the name.
- Window amount: Here you can input the window amount you want to see in the monitor interface when you enabled current task.
- Window: Window serial number. It means the current monitor item is in which window.
- Camera name (can not be modified.) and camera ID: You can drag the channel name in the device list section to the current column.
- Stay time(s): You can input stay value here.
- Preset: When you open the monitor, system can go to the specified preset. The default preset value is N/A
- Bit stream type: if device supports extra stream, you can set the bit stream when open the video.
- Monitor item: Here you can view task detail information. System begins task from number 1 to number 2 and then go on. You can use Up/Down button to adjust the monitor task sequence.

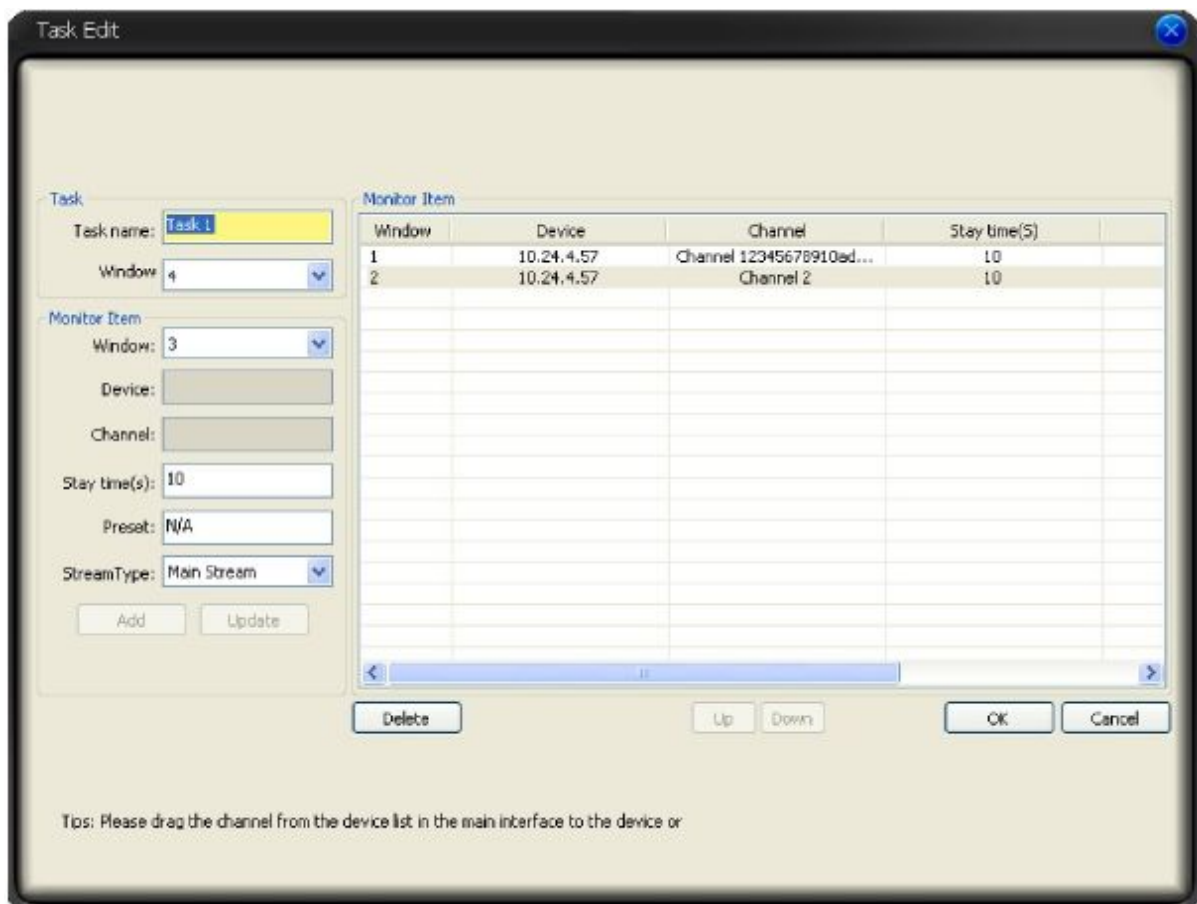


Figure 3-46

## Project

Monitor project interface is shown as in Figure 3-47.

- Project list: Here you can view all set project names.
- Project item: Here you can view selected task detailed information.
- New: Click it you can see an interface is shown as in Figure 3-48. Here you can create a new project.
- Modify: Modification interface is shown as in Figure 3-48. Please note you can not edit project name.
- Delete: You can click it to remove one project.
- Import: Import the saved project XML file to current list.
- Export: Export current project list to specified xml file.

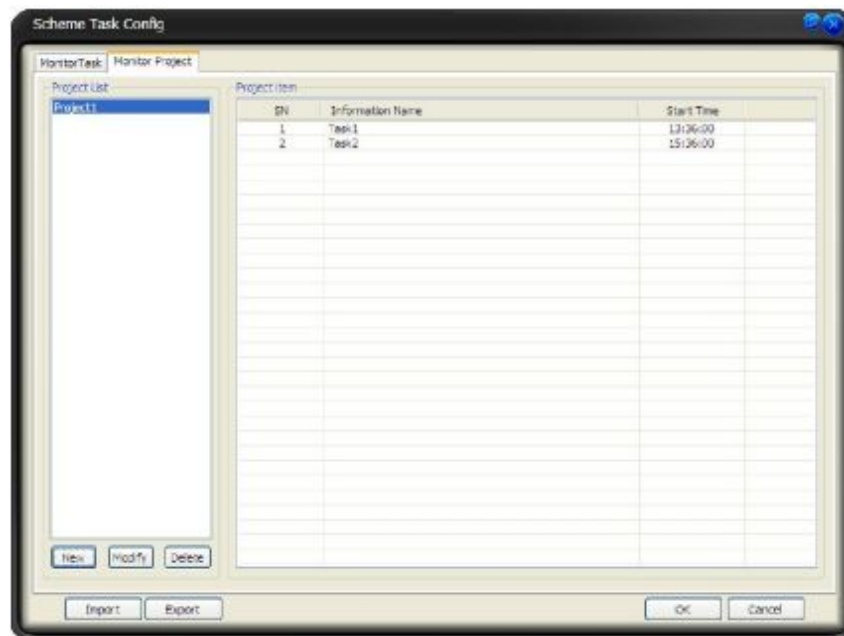


Figure 3-47

Click modify button, the interface is shown as in Figure 3-48.

Please note, in modification mode, you can not modify project name.

- Monitor project mode: It includes two modes: schedule mode and tour mode.
  - ✧ Schedule mode: In this mode, the monitor task will begin activated in the time you specified.
  - ✧ Tour mode: In this mode, you can specify the monitor task interval time. The system will begin the task one by one according to the period you specified and in accordance with the sequence you arranged. System will repeat the procedure again and again once it completed the last task.
- Task name: Please select the task to be run.
- Start time: Please select the task start time (For schedule mode only).
- Interval: please select the task running time (For tour schedule mode only).
- Up and down button is to adjust the monitor task sequence.

Please click save button to exit.

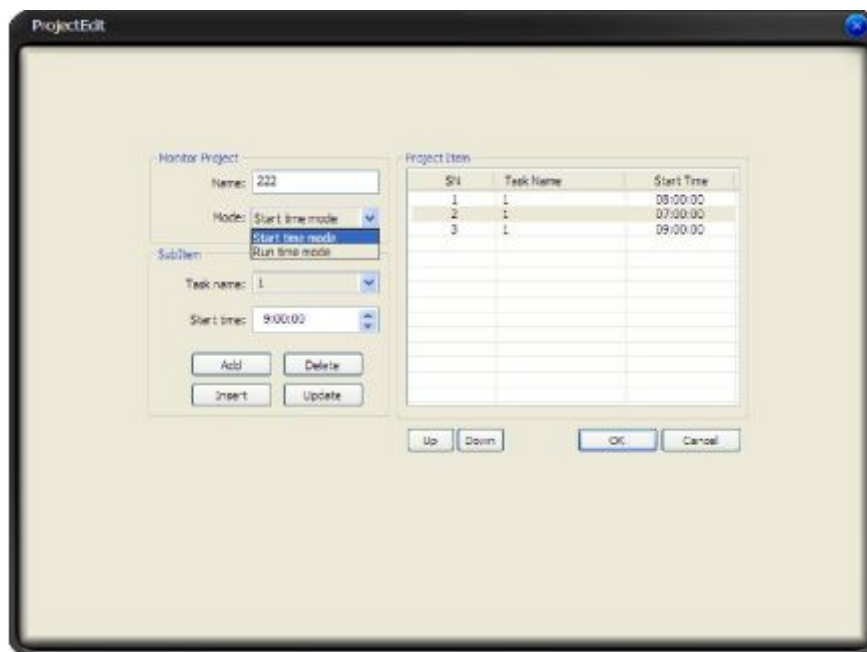


Figure 3-48

### 3.8.5.2 Record Plan Configuration

The record manage interface is shown as below. See Figure 3-49.

- Pack duration (m): System can generate a recorded file when record plan is running. You can input pack duration here.
- Record plan list: The record schedule in the record plan.

In the below, you can view the valid record period of current camera.

Double click time bar or the list column, you can modify schedule period for current camera.

Please note, if you want to modify the plan, you can not modify the device information and channel information

At the bottom of the interface, the green period means there is record plan in the specified time.

Double click it to see the record plan edit interface.

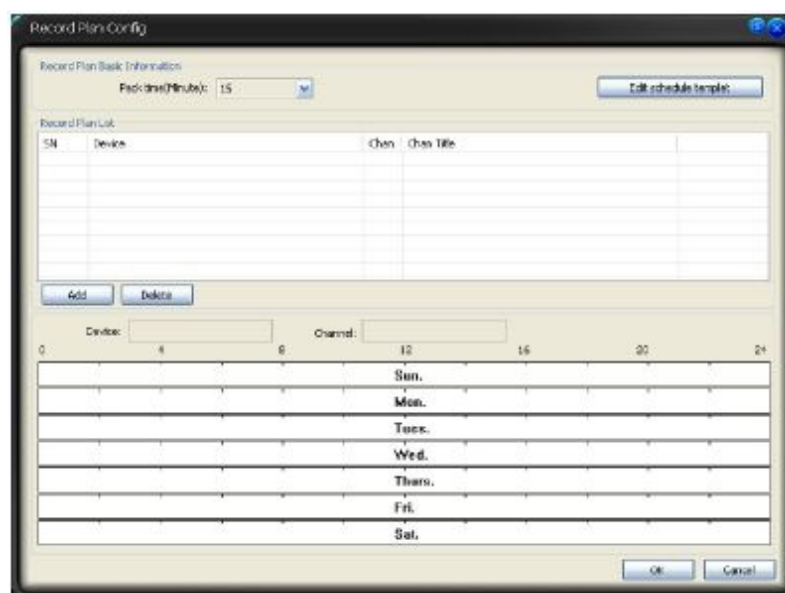


Figure 3-49



### Edit Schedule Template

In Figure 3-49, click edit schedule template, you can see an interface is shown as below. See Figure 3-50.

You can select schedule template here. Please note you can not modify or remove empty template/all day template.

You can view detail template information on the left side.



Figure 3-50

In Figure 3-49, click add button, the interface is shown as in Figure 3-51.

- Device: You can select from the dropdown list.
- Channel: You can select from the dropdown list.
- “<-one week” is to apply the selected schedule setup to the whole week.
- “<-” is to apply the selected schedule to the corresponding date(Sun to Sat.)

You can select one template on the right and then click edit schedule template button to modify it.

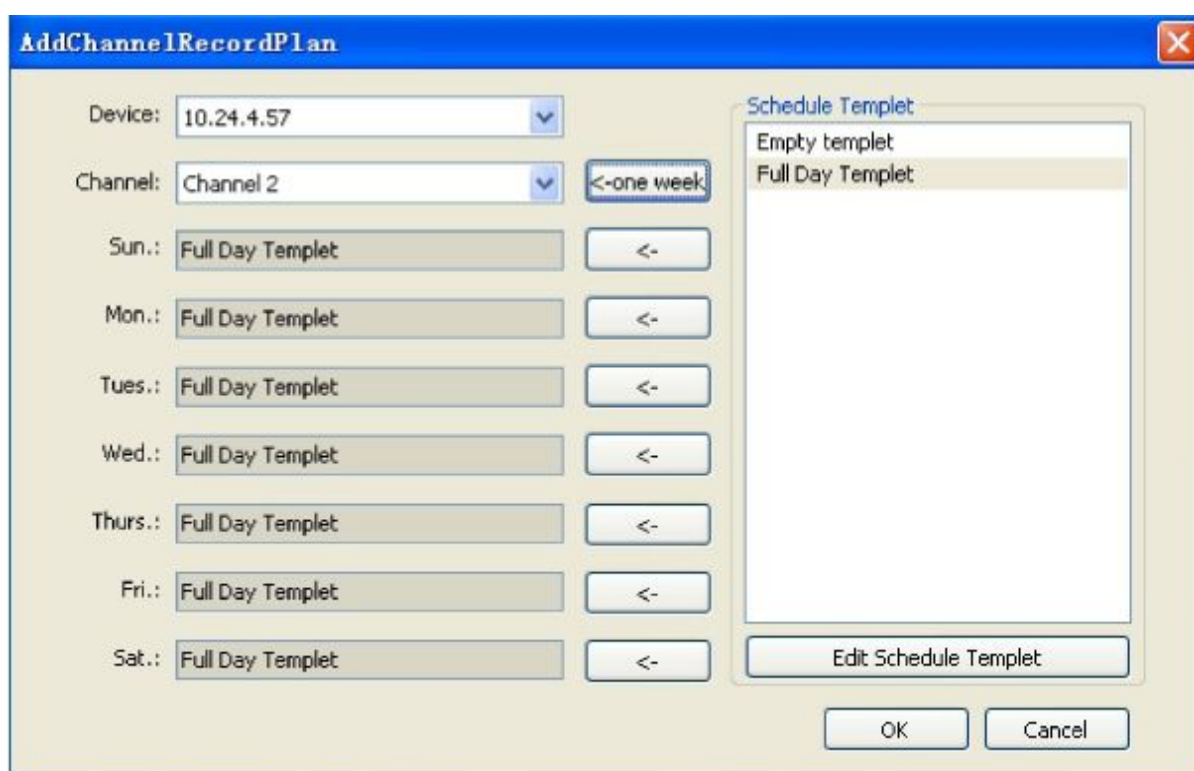


Figure 3-51

### 3.8.5.3 Alarm Configuration

Here you can set corresponding alarm setup. It includes four interfaces.

- Global configuration: Here you can set detailed arm information such as enable/disable audio, add the alarm to the alarm record and etc.
- Arm/disarm: Here you can enable/disable arm according to the alarm type or the device channel.
- Activation Strategy: Here you can set activation operations in the corresponding window when the specified alarm occurs in one channel.
- Alarm information output:: Here is to output various alarm information to display.

You can go to chapter 3.7.4.2 Option to set the max alarm record amount. See Figure 3-52.

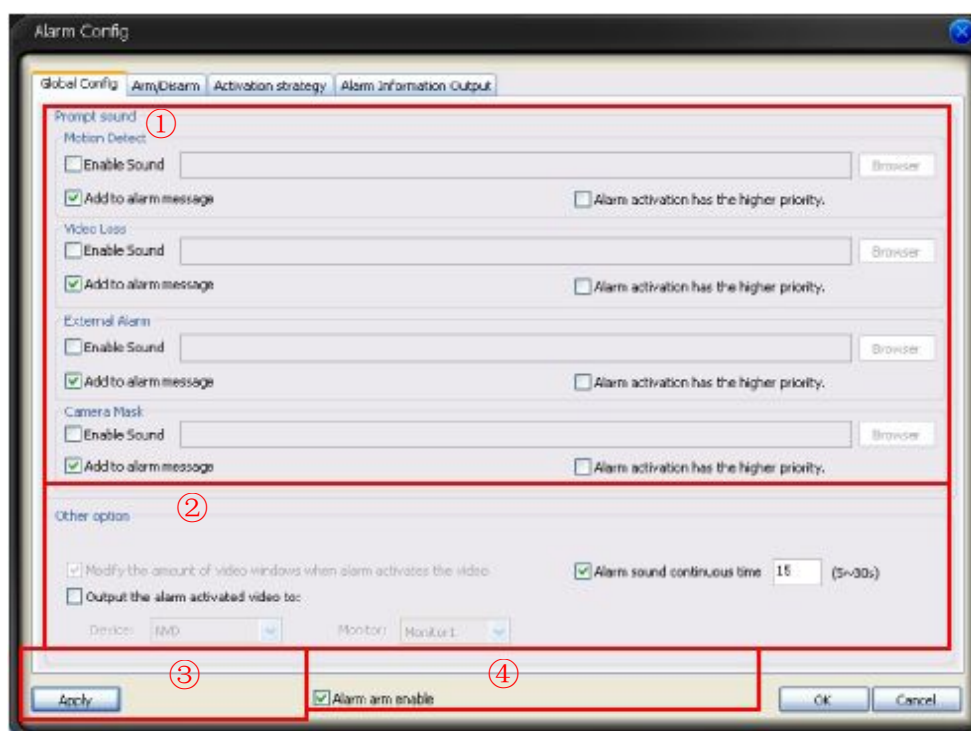


Figure 3-52

#### **Global Configuration**

Global Configuration interface is shown as in Figure 3-52.

##### Section 1

- Enable sound: Please draw a circle to enable sound function and then click browser button to select corresponding sound file.
- Add to alarm manage: Display in alarm information window: You can enable this function to add alarm message to alarm record window (Chapter 3.7.2 Alarm).
- Alarm activation has the higher priority: Please note once there is new alarm, alarm activation video will be switched to display the new one no matter the previous alarm display interval is over or not. You can check the box to enable current function.

##### Section 2 Other option

- Modify the amount of the video window when alarm activates the video: When the alarm activation window index is more than the monitor window amount, system can automatically change the window amount to display the activation video. Please note this function is

invalid if you have checked the box

\* ☒ Use pop-up window to display the alarm video.

in chapter

3.7.4.2 Option.

- Output alarm activation video to: This function allows you to output the alarm activation video to the specified output device (besides display in the VMS interface). Please check the box to enable this function first. Then you can select a device(NVD/SNVD) and monitor from the dropdown list respectively. Please make sure you have enabled

\* ☒ Use pop-up window to display the alarm video.

in chapter 3.7.4.2 Option, otherwise this

function is disabled.

- Alarm sound continuous time: Here you can check the box first to enable this function and then input the corresponding last time. The input value ranges from 50 to 30 seconds. The alarm sound can last for the specified time if you enabled this function. You need to cancel the alarm sound manually once you disabled this function here.

Section 3

- Apply: Click it to apply current setup.

Section 4

- Alarm arm enable: You can enable this function to use alarm setup. Otherwise the alarm setup is null.

### Arm/Disarm

Arm/disarm interface is shown as in Figure 3-53.

Section 1: You can see arm has four types: Motion detection/video loss/Camera masking/External alarm.

Section 2: Here you can set the alarm arm to the corresponding channel. You need to check the box to enable the function; otherwise you can not see the corresponding operation you set in Global configuration

You can select corresponding setup to the specified channel.

Section 3: Apply: Click it to apply current setup.

Section 4: Alarm arm enable: You can enable this function to use alarm setup. Otherwise the alarm setup is null.

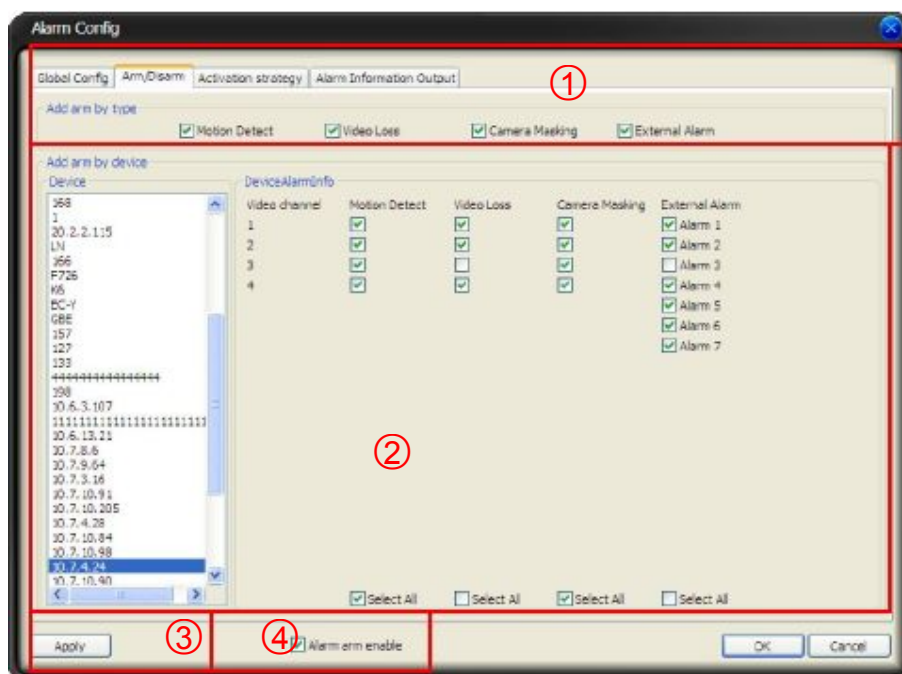
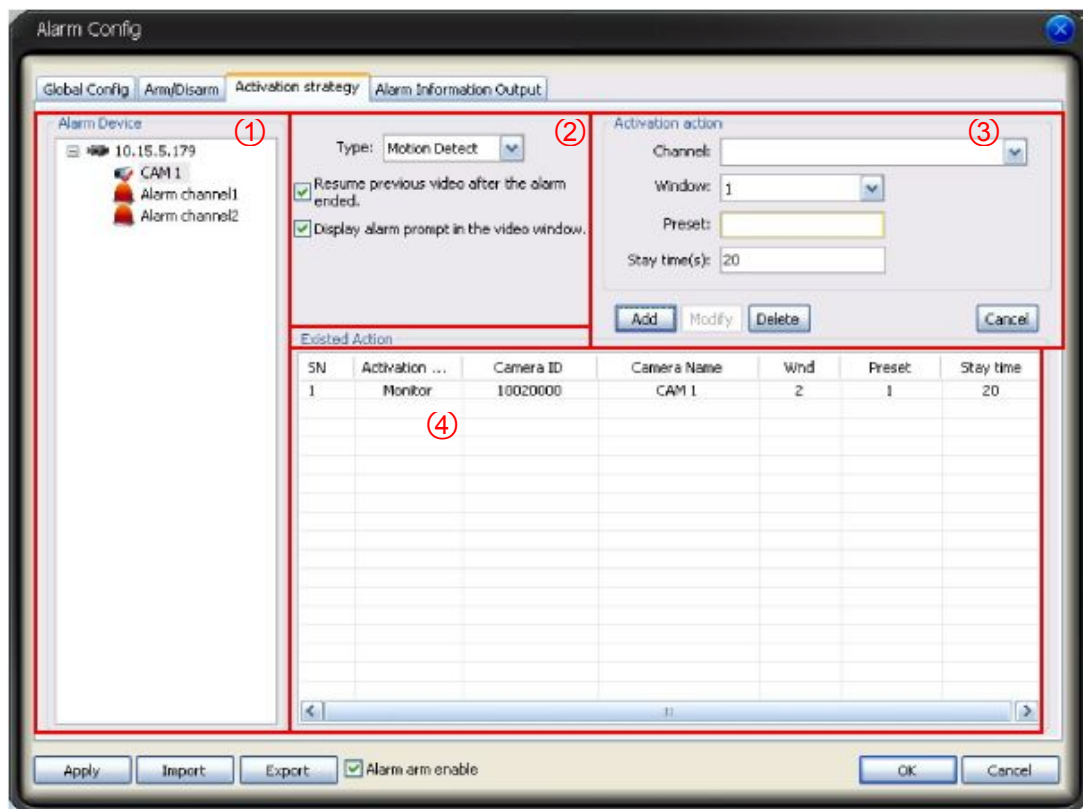


Figure 3-53



See Figure 3-54


### **Activation Strategy**

Activation interface is shown as below. See Figure 3-54.

#### **Section 1**

- Alarm device: In the alarm device list, you can view the alarm sourcing device. You can set several activation operations for one alarm sourcing device. For example, the camera can generate the motion detect, video loss, camera masking alarm. The alarm device can generate the external alarm.

#### **Section 2**

- Type: You can select the activated alarm type from the dropdown list.
- Resume previous video after alarm ended: The activation alarm can open the video in the specified window. The video stays for the specified time and then restore previous video.
- Display alarm prompt in the video window: The icon  pops in current alarm window when alarm occurs. (On the top left).

#### **Section 3**

- Channel: You can select the activated channel when alarm occurs.
- Window: You can select the monitor window serial number. The activated channel video will be displayed in the specified window.
- Stay time(s): The activated video duration.
- Preset: If current channel connected to the PTZ, and you have set the preset, then system can go to the specified preset once alarm occurs.


#### **Section 4**

Here you can view current existed actions. It is the alarm activation list of the channel of the device you selected.

## Alarm Information Output

The alarm information output interface is shown as below. See Figure 3-55.

- Alarm information tree: Here you can view the alarm sources of all devices.
- Additional information: Here you can set the additional information when output the alarm information. It is very useful for the peripheral devices to recognize and process the alarm.
- Add: After you selected the alarm source(s) on the left panel, you can click the add butt to add the alarm source(s). Please note when you add multiple alarm sources at the same time, the additional information is the same.
- Existed action: You can view alarm source setup here. You can check the device and set the additional information, click the add button, you can see the corresponding action here.
- Delete: After you selected an item (or items) in the existed action panel, you can remove the setup from the list.
- Alarm information output rule: Here you can set the string format of the alarm information.

Click the button , the interface is shown as in Figure 3-56. Usually we recommend the name such as device name+channel name+alarm information. The record type here is invalid since it is the alarm type.

- Enable other alarm type information output: Once you checked the box here, all the other alarms (such as HDD alarm) will be output to the peripheral applications.
- Additional information for other alarm type information: Here you can set the additional information for the other alarm type.

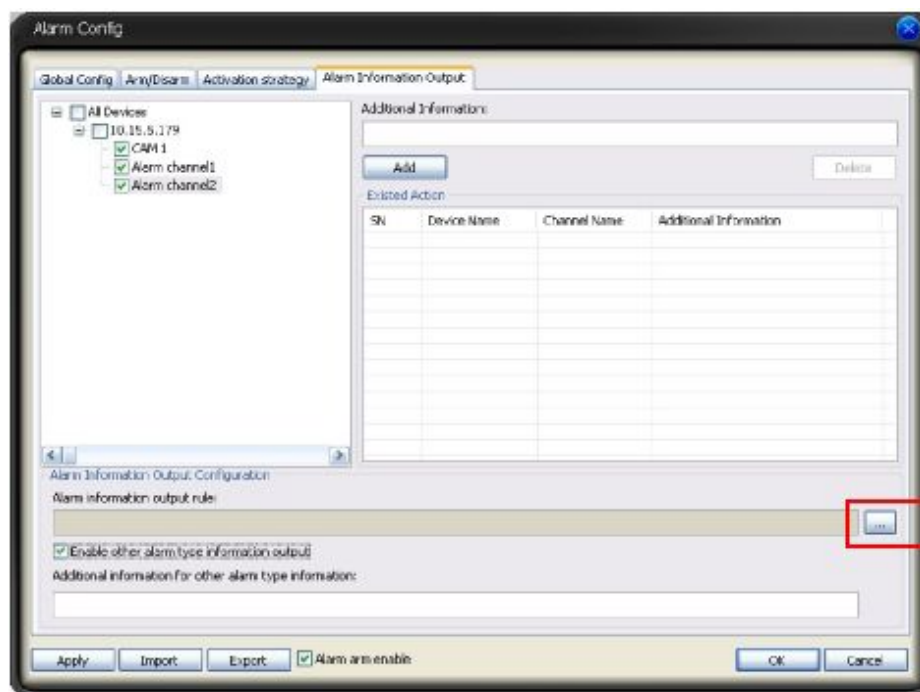


Figure 3-55

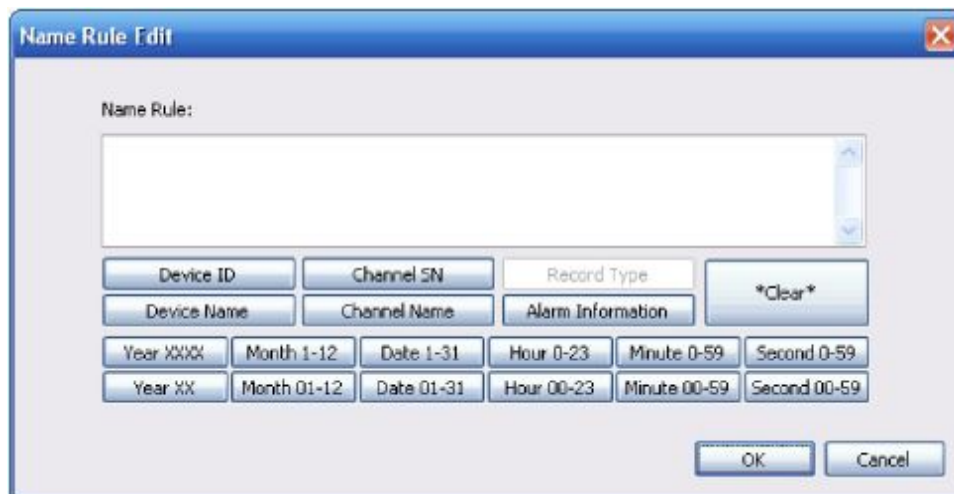


Figure 3-56

### 3.8.5.4 Alarm Record Config

Alarm record plan interface is shown as in Figure 3-57.

Here you can set various alarm activation records for the same alarm period. You can use the schedule template to set conveniently. You can view there is a circle for the selected channel. Please go to playback interface to search the alarm record (chapter 3.7.3 Playback-linkage record.). You can see there is a red cross below the corresponding channel name if there is activation operation.

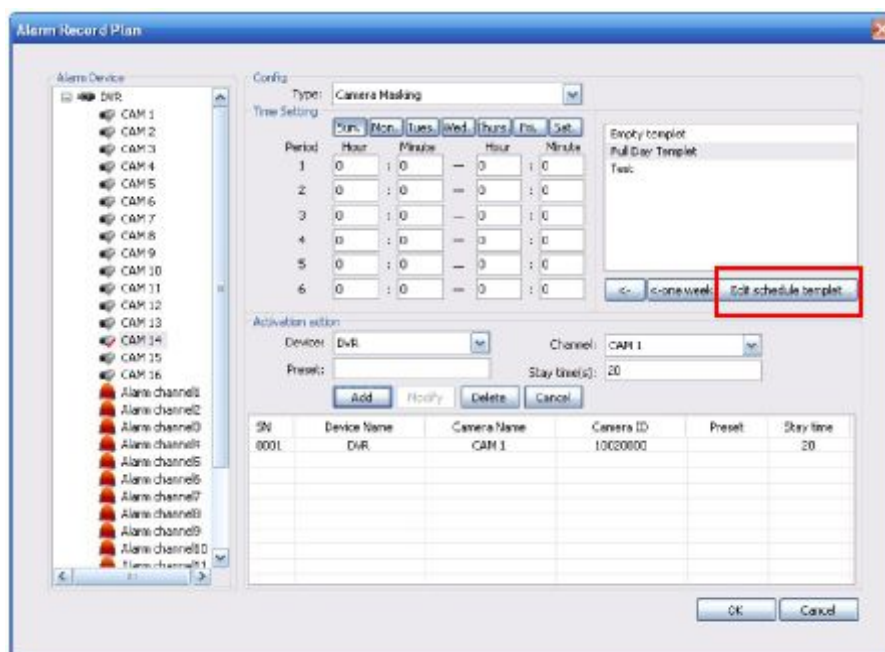


Figure 3-57

The schedule templet interface is shown as in Figure 3-58.

- Title: Please input a temple name here.
- Period: There are six periods in one day (00:00). The start time shall be earlier than the end time.
- Add: Add current time temple to the time temple list on the right pane.
- Modify: Modify selected time templet.
- Delete: Remove the time templet from the list.

Period	Hour	Minute	Hour	Minute
1	0	0	23	59
2	0	0	23	59
3	0	0	23	59
4	0	0	23	59
5	0	0	23	59
6	0	0	23	59

Figure 3-58

### 3.8.5.5 Decode Card Configuration

The decode card is one of our series products. The decode card can greatly reduce CPU resources.

Before setup, please makes sure you have installed encode card, and you have enabled the “loading decode card when VMS booted up” in the configuration interface. Please refer to chapter 3.7.4.2 Option for detail information..

The decode card manage interface is shown as in Figure 3-59.

You can see there are five sections.

Please refer to the following sheet for detail information.



SN	Item	Function
1	Window SN	The video displayed window serial number.
	Area mode	Display window split mode. (The drop down list may vary according to the different decode card series.) See Figure 3-59.
2	Display channel	It is a decode card TV output serial number.
	Binding	Binding decode card TV output serial number and PC video displayed window.
	TV/VGA	There are two options. You can output to the TV device or VGA device.
3	Output video offset	When decode card is output, sometimes the image may offset. Please adjust the left and right limit to locate it in the middle. The pan value ranges from 0 to 800 and the tile value ranges from 0 to 600.
4	Decode card binding information list	This interface is for reference only.
5	Brightness	You can adjust decode card bright value.

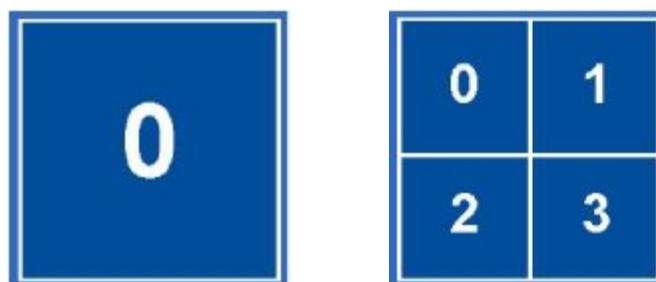


Figure 3-59

**Important**

The limit setup and the brightness setup become active immediately!  
You need to reboot to view the binding setup.



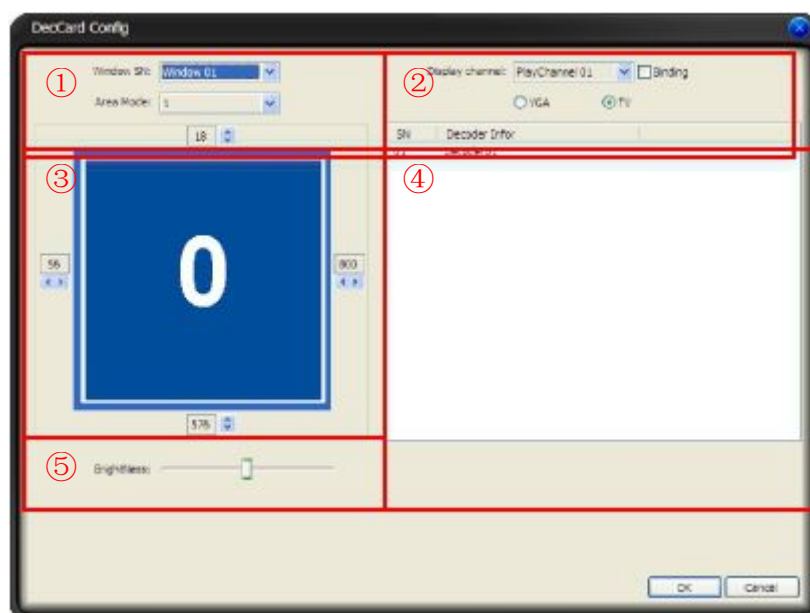


Figure 3-60

### 3.8.5.6 User Management

#### Important

Only the admin can go to the following interface.

User manage interface is shown as below. See Figure 3-61.

- User information list Here you can view all user information.
- ID: The account name you log in the VMS.
- Password: The password you input to log in.
- Confirm password: Please input password again to verify.
- Name: User name information or other.
- Sex: female or male.
- Information User note information.
- System path: Here you can specify use configuration save path.
- Right: You can draw a circle to enable corresponding information.

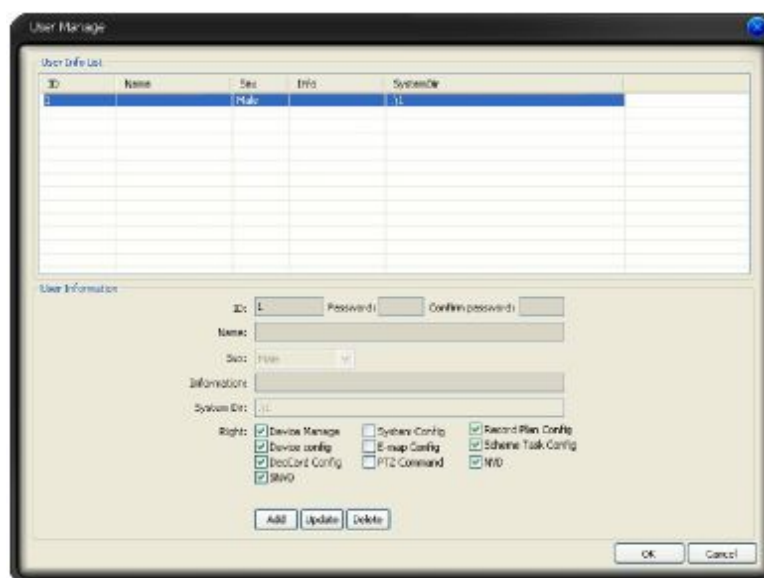


Figure 3-61

Click OK button, system pops up the following dialogue box, please click yes button to save current information. See Figure 3-62.

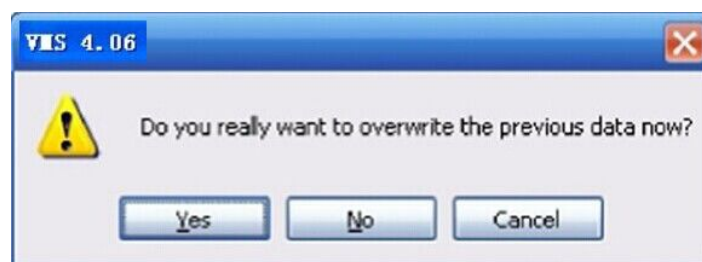


Figure 3-62

### 3.8.5.7 Device Manage

The device manage interface can be divided into two parts. The device information list part is shown as in Figure 3-63.

In the device information list, you can view the added device information.

You can select a user to see different devices since various users have different rights. Admin can view all devices.

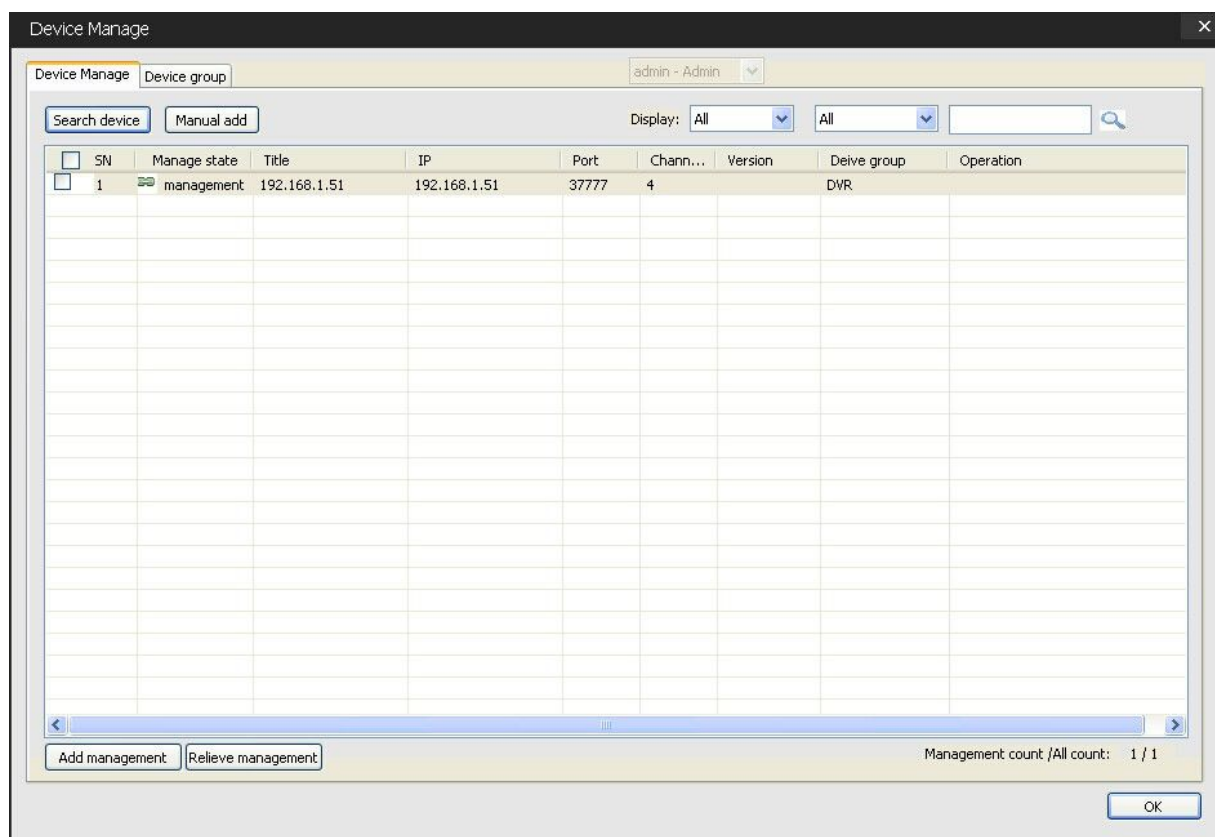


Figure 3-63

- Search device: You can click it to view all the devices available. Please note if the device does not support search function, you can not view it in the list.



**Add management**

Add 1 selected devices into management.

User:

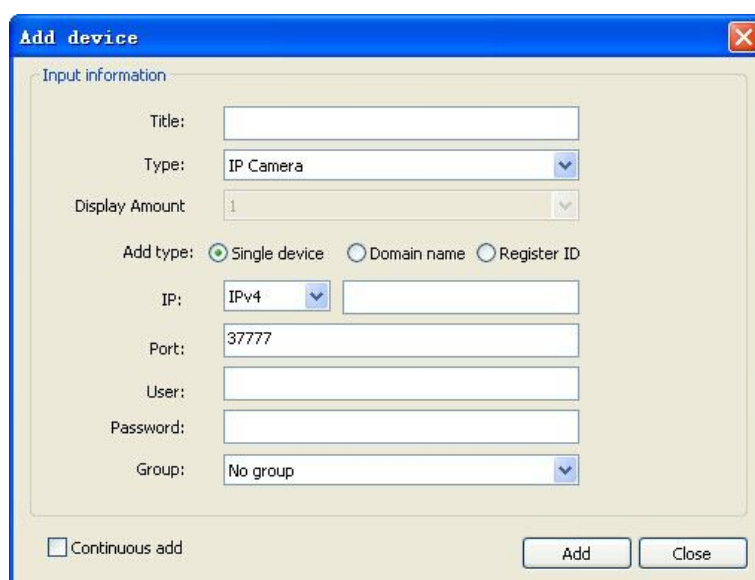
Password:

Group:

OK Cancel

Figure 3-64

- Add management: When you select one device in the list, you can input the user name And the password to log in the device. See Figure 3-64. You can also click Relieve management to relieve the device.
  - Manual add: if the device does not support search function, you can click the manual add See Figure 3-65. You have three types to add the device.
    - ✧ Title: you can enter any name to note the devices
    - ✧ Type: choose the device DVR
    - ✧ Single device: this type is for IP, you need to input IP address of the device such as 192.168.1.51.
    - ✧ Domain name: this type is for domain, you need to input the domain such as [www.yahoo.com](http://www.yahoo.com).
    - ✧ Register ID: this type just need to input S/N of the device.
  - Device group: you can modify the group in this interface
- After input anyone of this three type , then input the TCP port, User name and Password, then click Add.



**Add device**

Input information

Title:

Type:

Display Amount:

Add type: ☒ Single device ☐ Domain name ☐ Register ID

IP:

Port:

User:

Password:

Group:

☐ Continuous add

Add Close

Figure 3-65