Client Software-4000(v2.0)

User Manual

Index

Chapter 1 Welcome to Client Software-4000 (V2.0)

1.1 Overview

Client software-4000(V2.0) is the application specially developed for embedded DVR. It is applicable to DVR, DVS, IP Camera, and IP Dome.

There may be technical inaccuracies, or typographical errors in the manual. The contents including description of products and program will be updated without notice.

1.2 Computer Disposition Request

Operating System: Microsoft Windows 2000 or versions above

CPU: Intel Pentium IV 2.4 GHz or models above

RAM: 1G or above

Display: 1024×768 resolution or above

1.3 Convention

Conventions as follows in this manual:

- DVR, DVS, IP Camera and IP Dome are all referred to as device
- Click refers to left click mouse
- Double click refers to double left click mouse

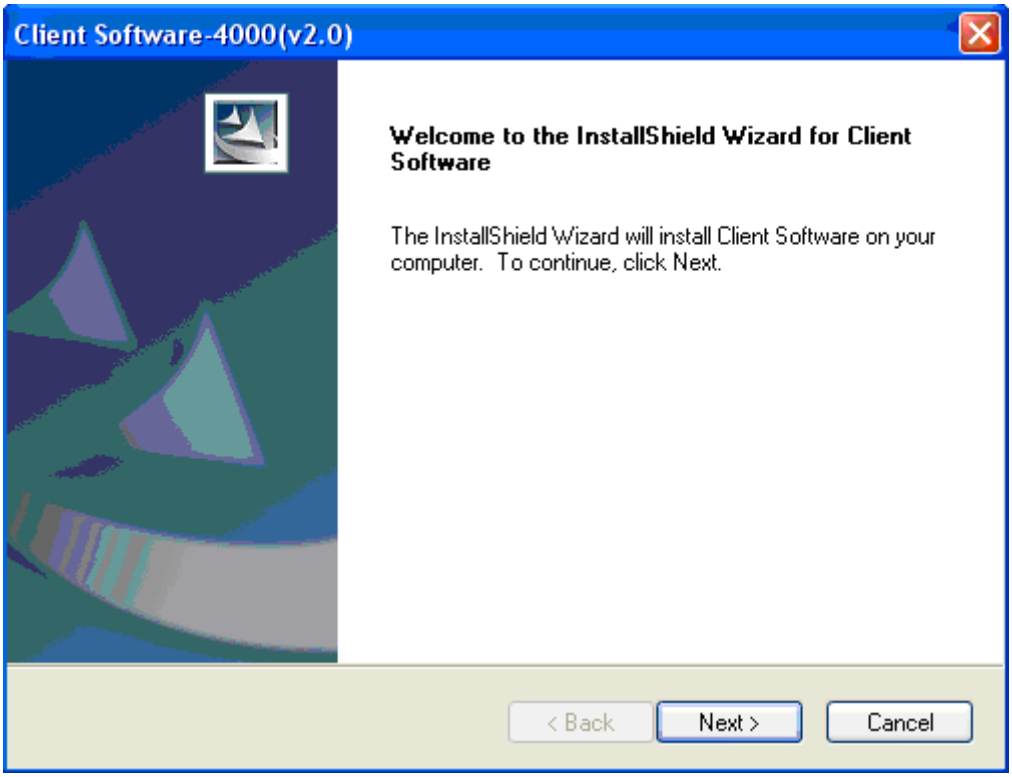
1.4 New Features

- 32 & 64 divisions are added to window division options.
- User-defined name of alarm out
- Preview window information can be memorized when exiting the client software.
- Support remote playback, NAS VOD, VOD function, intelligent analysis and synchronous playback as well.
- Support dual VGA display in remote VOD interface
- Support full screen of multi-channel in local playback interface
- Support 16 NVR server for centralized storage
- Modified double-click enlargement mode in the preview interface

Chapter 2 Install & Uninstall

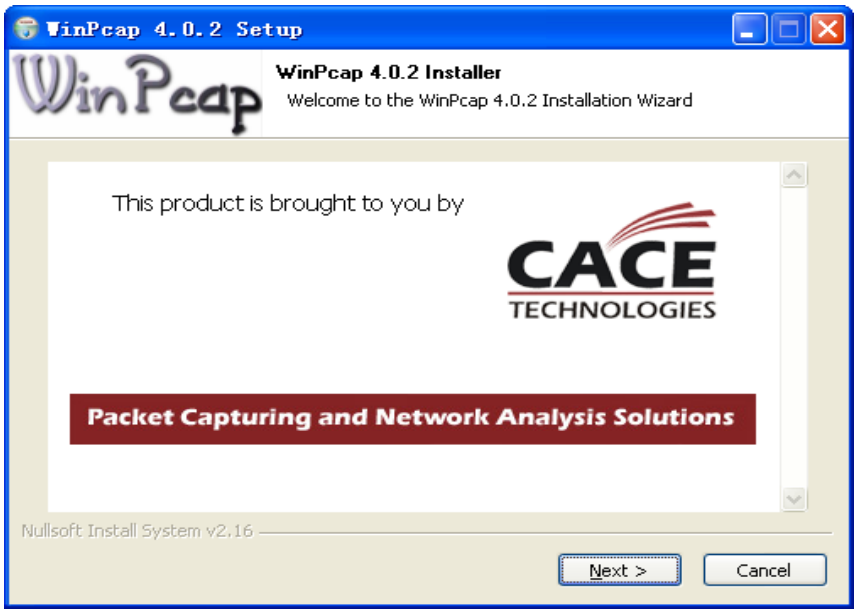
2.1 Install the Software

Double click the software and you will see the wizard shown as below:



Click “Next” to continue, and input the user information, software installed location according to the hints.

After that, a SADP installation wizard will pop up; click “Next” to start to install WinPcap, shown as below. If it is already installed, the installation can be canceled.



Note: SADP is used as the on-line device finder; this function is unavailable if the WinPcap is not installed.

2.2 Uninstall Software

Enter start menu, select “All programs”→”Client Software-4000(v2.0)”→”Uninstall Client Software”, and the dialog box shown as below will pop up:

Click “Yes” and start to uninstall the software, the uninstallation will finish after the computer restarted.

Chapter 3 Basic Operations

3.1 Run & Login

Path: “Start”→”All Programs”→”Client software-4000(v2.0)”→” Client software-4000(v2.0)”

3.1.1 Used for the first time

User needs to register an administrator if the client software is used for the first time, shown as below:

Input the user name and password and click “Register”, then user can login as the administrator.

Note: Enter, Space, TAB is invalid in the user name and password. The password cannot be null, and should not contain the following characters, including “**%**” and “**’**”. Password should not be less than six and does not support the copy and paste.

3.1.2 User Login

After the administrator registered, when user open the client software, the login dialog box will pop up, shown as below:

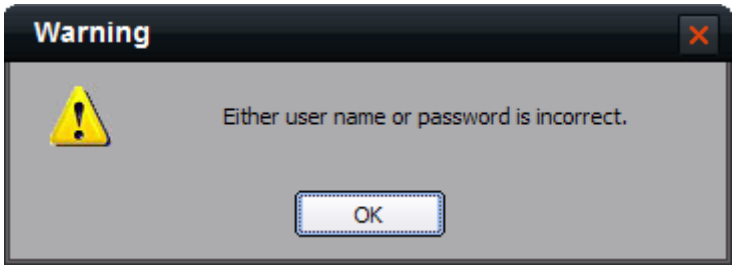
Input user name and password, then click “Login” to start using the client software.

Click 

to auto save the user name and password, user does not need to input them when logged in next time.

If user wants to change password, please select a user name and click “Modify”.

If the user name or password is incorrect, the dialog box will pop up, shown as below:

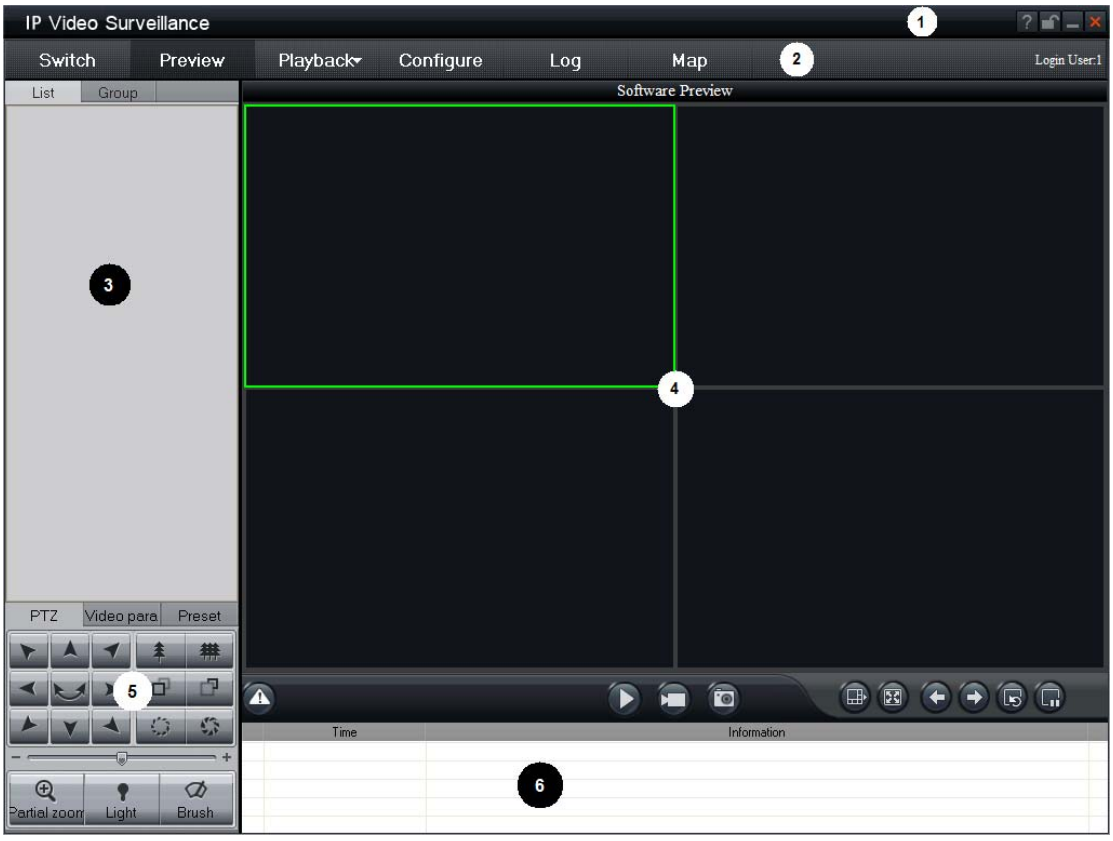


If user wants to cancel login, please press “Quit”.

Note: Please stop all the operations (e.g. preview, recording, playback and etc.) before switching the users.

3.2 GUI Introduction

There are 6 areas of Client software GUI, shown as below:



Area	Description		Area	Description
❶	System Area		❷	Menu Area

❸	Device Area		❹	Preview Area
❺	PTZ Control Area		❻	Alarm Info Area

System Area:

Button	Description
	Help button, click to show Help (user manual) and About (Edition Info)
	Lock button, click to lock the interface, mouse status shown as  , re-click to activate login window, and input the correct password to unlock the interface.
	Minimize button
	Exit button

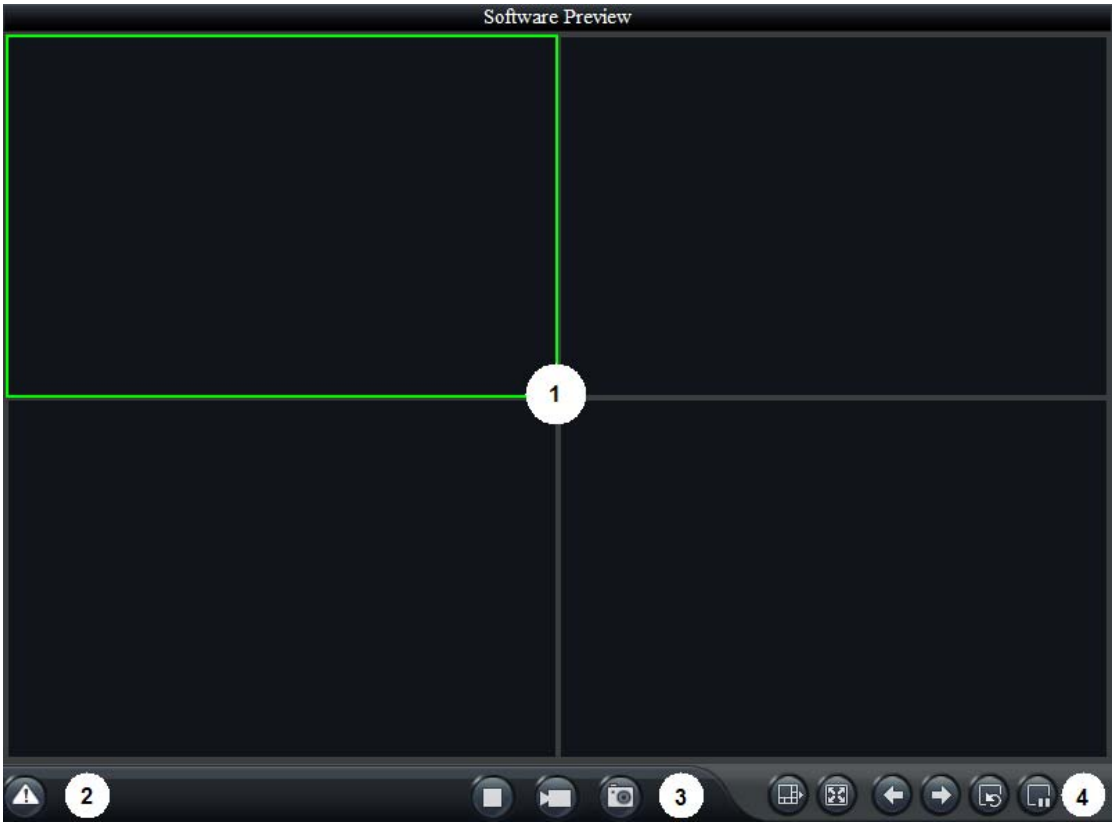
Menu Area:

Area	Description
	Switch the users
	Enter preview interface (If the decoding card is installed in PC, then enter the software or hardware decoding interface)
	Enter configure interface
	Enter playback interface, including remote VOD and local playback
	Enter log query interface
	Enter e-map interface

Device Area:

Mode	Description
List	Display by list
Group	Display by group

Preview Area:



Area	Description		Area	Description
❶	Display windows		❷	Alarm indicator
❸	Basic function		❹	Advanced function

PTZ Control Area:

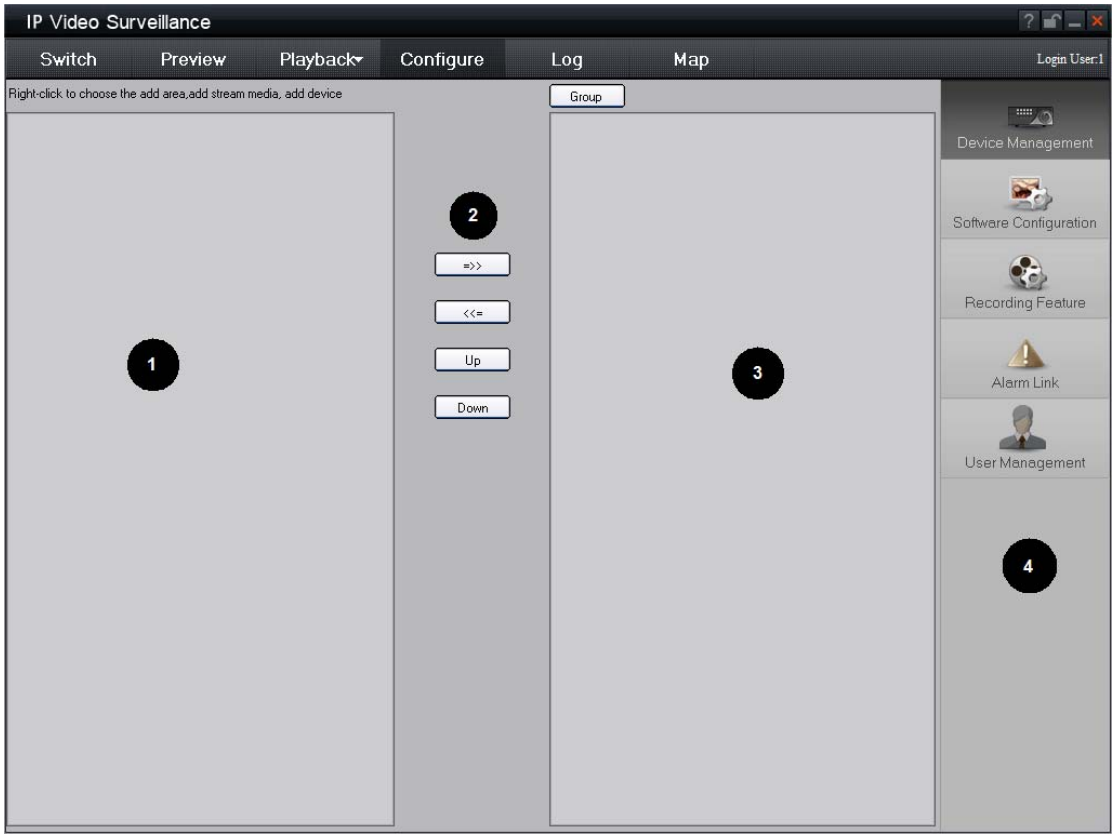
Options	Description
PTZ control	Control PTZ
Video parameters	Brightness, contrast, saturation, hue and volume adjustment
Preset	Configure and call the preset, sequence and pattern

Alarm Info Area:

Display alarm time and information.

Chapter 4 Device Management

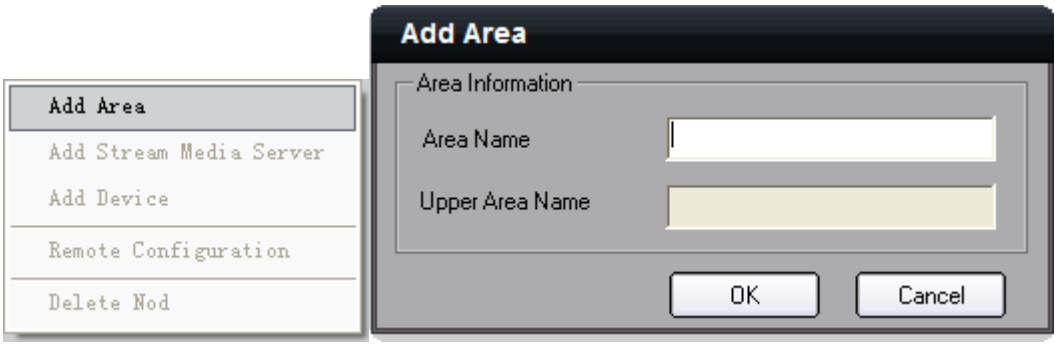
Before any operations, user needs to add device and configure it. Click Configure to enter the configure mode, and then click Device Management to manage the device.



Area	Description		Area	Description
❶	List Area		❷	Configuration Buttons
❸	Group/Short key Area		❹	Navigation Bar

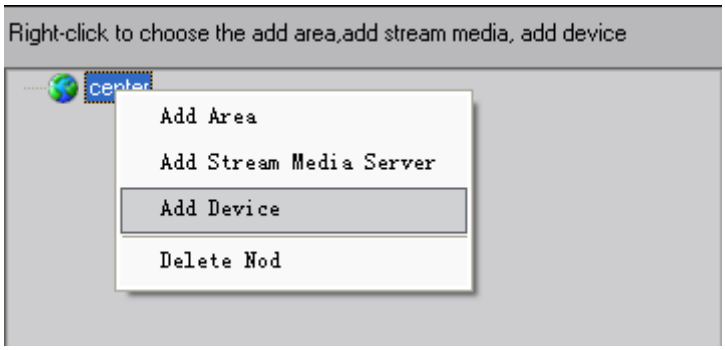
4.1 List Configuration

The list area is empty when the client software runs for the first time, right click in this area you can choose to add area.



Input a name in the blank of Area Name; if there is no upper area, the blank of Upper Area Name is not enabled.

After area added, right click the area name and the sub-menu will pop up, shown as figure below. Select "Add Area", you can add sub area, select "Delete Nod", you can delete the area.



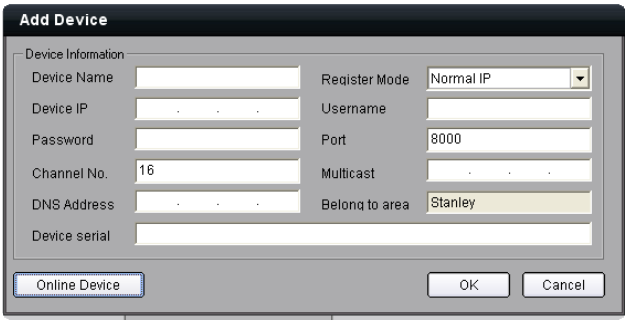
Note: Enter, Space, TAB is invalid in the area name, which cannot be null, and should not contain the following characters, including "**%**" and "'".

Note: User can max add 50 areas here.

Note: When the option "Delete Nod" selected, the sub areas, stream media servers, and devices under the root of this area will be deleted as well. Before that, you need to stop preview or record, otherwise there will be warning information popping up.

4.1.1 Add Device

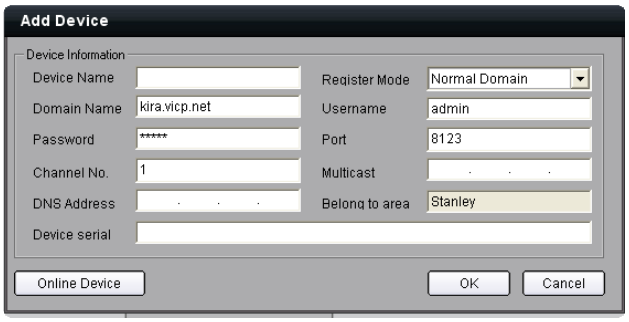
Right click the area and select "Add Device"; the sub menu will pop up.



Options	Description
Device Name	User-defined
Register Mode	Normal IP, Private Domain, Normal Domain
Device IP	IP address of the device
User Name	User name of the device (default: admin)
Password	Password of the device (default: 12345)
Channel No.	The channel number of the device
Port	Device port (default: 8000)
Multicast Address	Used when visiting the device by the way of multicast, or else leave it blank
DNS Address	IP address of IP server when adopting private domain, or else leave it blank
Device serial No.	Used when adopting private domain, or else leave it blank

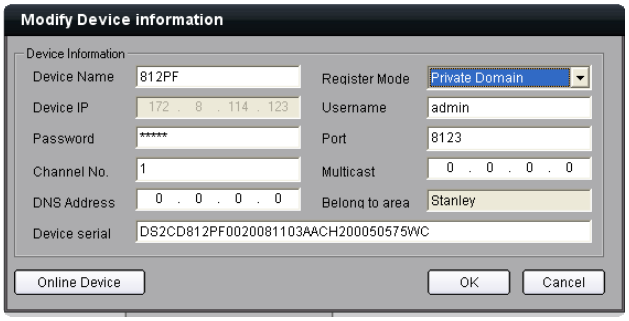
Note: When adopting private domain, if you input device serial number, which can be used for obtaining the IP address from IP server; If not, the IP address can be obtained by device name from IP server, i.e. in that case, the device name that input here should be the same with the one in the device.

If you select normal domain, please filling the blank of domain name with the registered domain name.



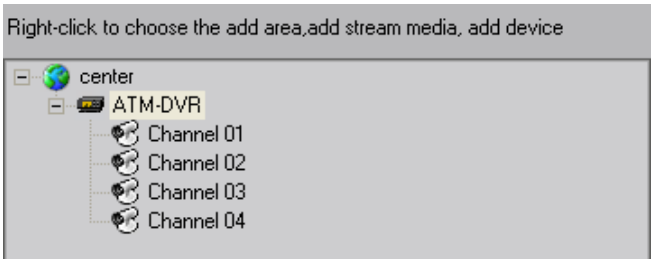
Private domain: If the device is configured with the address of IP Server that runs normally, then the connected device can be resolved by IP Server; and client software can get the dynamic IP address from IP Server by server name or serial number.

If you select private domain, please input the correct device serial number and IP address of IP server in the DNS Address blank.



Click OK to finish adding device.

Right-click menu is available, double click the node can modify the device parameters.

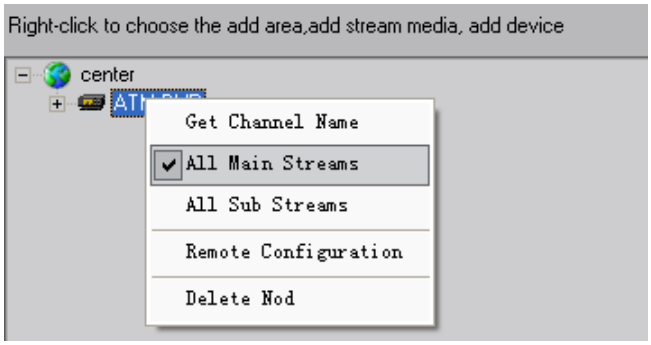


Note: 50 devices can be added here at most.

4.1.2 Channel Configuration

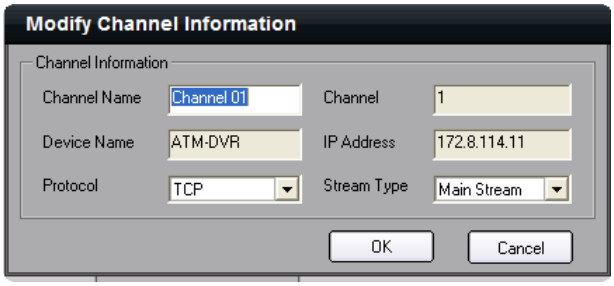
Click “Get Channel Name” to get the names of all channels.

Click “All main streams” or “All sub streams” to change the stream type of all channels.



Tips: Main stream is for device encoding; sub stream is for network transmission.

Double click the channel name and the “Modify Channel Information” dialog box will pop up.



Channel Name	Current channel name that can be changed.
Channel	Channel number of the device, unchangeable
Device Name	Device name that unchangeable
IP Address	Device IP address that unchangeable
Protocol	Select connection protocol: TCP, UTP, MCAST and RTP.
Stream Type	Choose main or sub stream for the channel

Note: The channel name will be replaced with the name saved in the device, if the option “Get channel name” is selected.

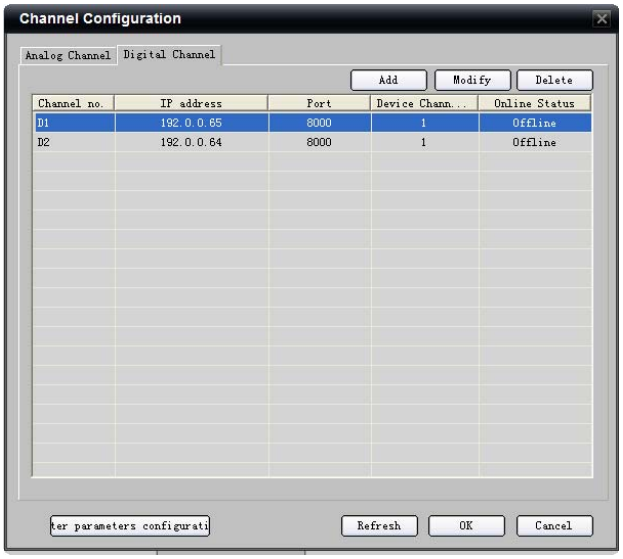
4.1.3 Channel Configuration of 9000 series DVR

If the 9000 series DVR is added to client software, then the IP channel management and enable or disable analog channel functions are available.

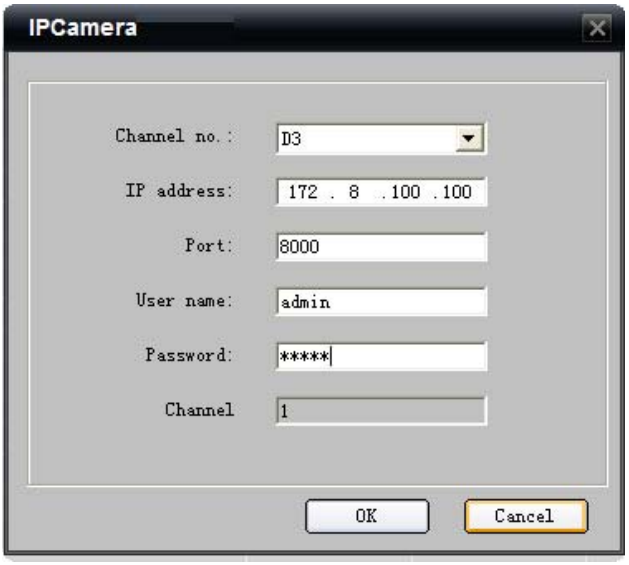
Right click the device name and select “Remote Configuration”, then the “Channel Configure” menu will pop up. The “Analog Channel” will show by default.

Double click the selected analog channel to enable or disable it.

Note: 9000 series DVR can not preview and record this channel after it is disabled, unless it is enabled again.

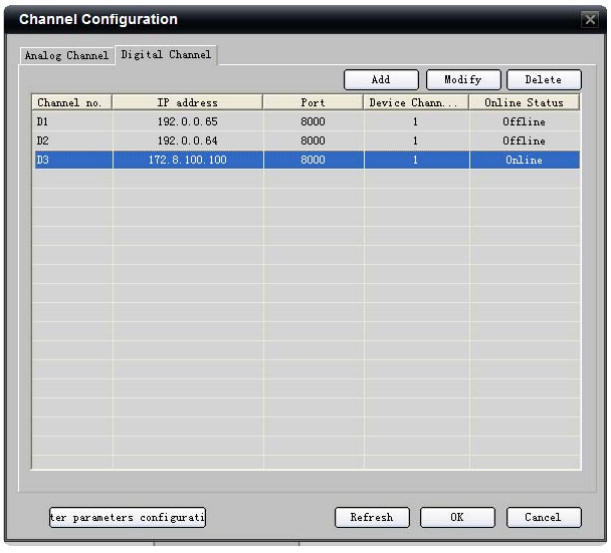


Click “Digital Channel” to enter the interface of IP channel management.



Click “Add” to add IP channel.

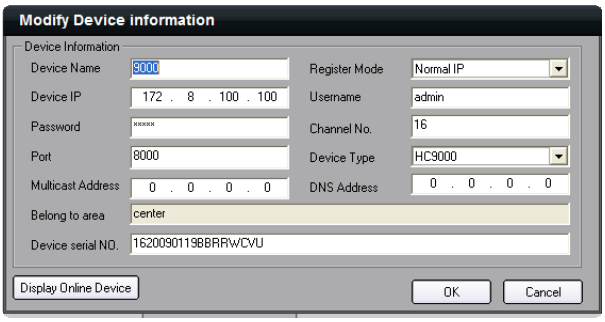
Input the IP address, user name, password and port, and then click “OK”.



Double click the selected channel to modify the parameters.

Click “Delete” to delete the selected channel.

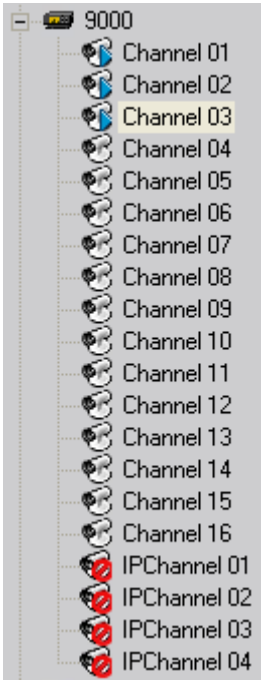
After that, you can change the channel number according to the added channels. Double click the device name to modify the device information.



Note: 9000 series DVR max supports adding 16 analog channels, 8-ch IP Camera, please refer to the user manual of DS-9016HFI-S for more details.

After that, the added IP channel will be seen in the channel list of the device.

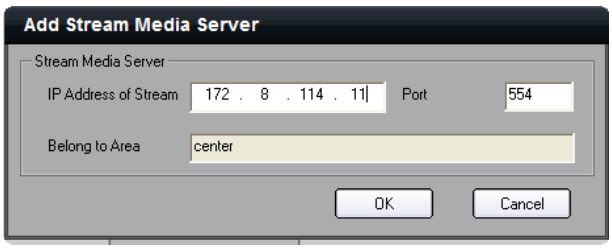
If IP channel can not be connected, the n shown as



4.1.4 Add Stream Media Server

Adding stream media server can solve the network confined problem and reduce the bandwidth stress.

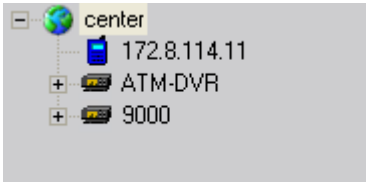
Right click the device name and select “Add Stream Media Server”. Input the IP address and Port (default 554) of server, then press “OK”.



Note: If the channel is being previewed or recorded, the settings will become effective after preview and recording restarted.

Double click the server to modify the parameters.

Right click the server and select “Delete Nod” to delete server.



Note: No more than one stream media server can be added to one area, however, of which stream media server can be added in sub area.

4.2 Group Configuration

Click the 

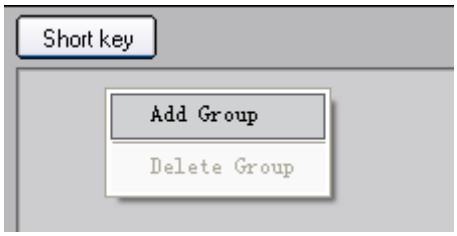
button to enter group area management window.

4.2.1 Group

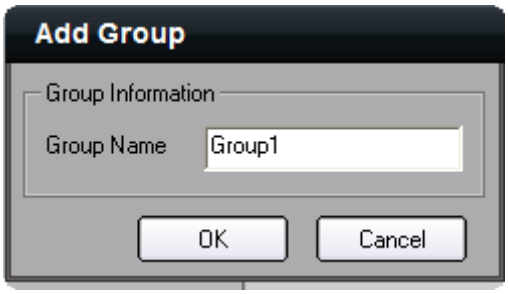
If there is not any nod in this area, then first you need to add group.

Right click in the empty area and you will see sub menu as shown on the right.

Select “Add Group”.



Input the group name and click “OK”.



Double click the group name to change the group name.

Right click the group name and select “Delete Group” to delete the selected group.

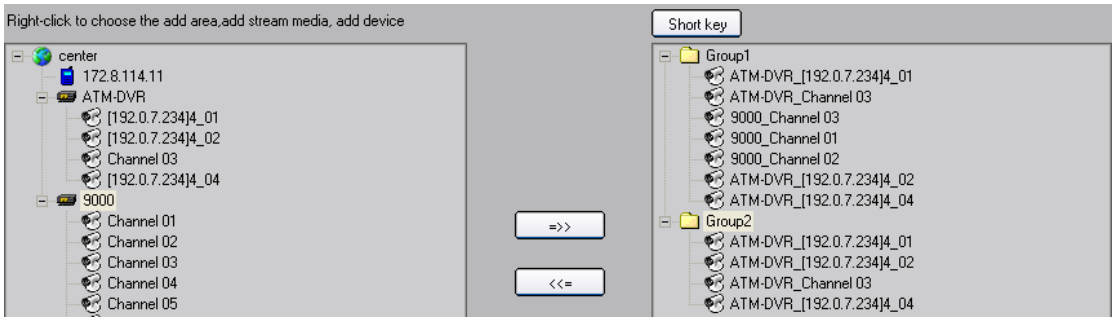
Note: Enter, Space, TAB is invalid in the group name, which cannot be null, and should not contain the following characters, including “**%**” and “**”**”.

4.2.2 Channel

After adding the group, the channels in the list area can be moved to selected group.

Select the channel from the list area, and click =>> key and move it to the group. The type of channel name in the group area is as “device name_channel name of the list area”.

Select the device in the list area and click =>> key and all the channels of the device can be moved to the selected group.



Using Up and Down keys to adjust the channel sequence in the group list.

Using <<= key to delete the channel or group in the group area

Note: One channel can be added to one group for only once. Different groups can contain the same channel. Max 50 channels can be added to one group.

4.3 Short Key Configuration

Click Short key button to enter short key management window. Only the channels can be added to the short key area.

Select the channel from the list area, and click =>> key and move it to the short key area. The type of channel name in the group area is as “device name_channel name of the list area”.

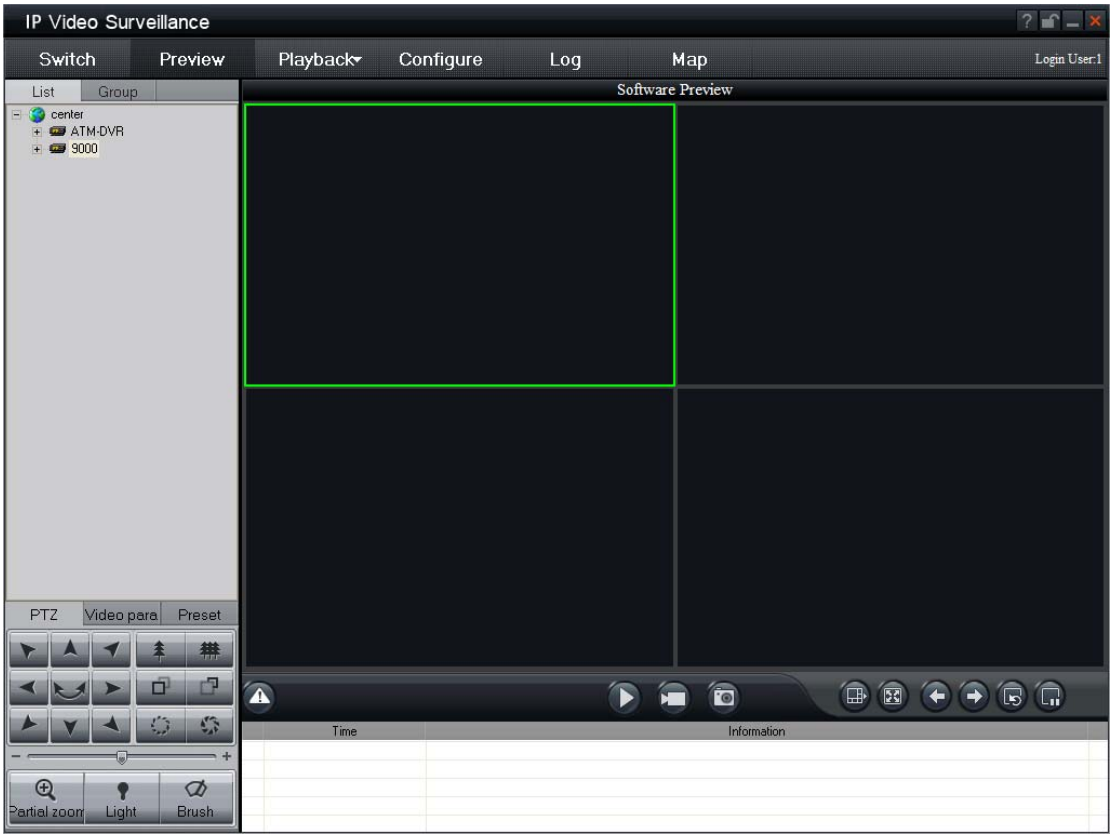
Select the device from the list area, and click =>> key to add all the channels of the device to the short key area.

Using  key to delete the channel in the short key area

Chapter 5 Preview

After configuring the device, double click the Preview key to return to the preview interface. Click the "List" and "Group" keys to switch between two modes.

Play windows are divided into 2×2 mode, max support 64 window divisions.



Preview Panel Buttons Descriptions:

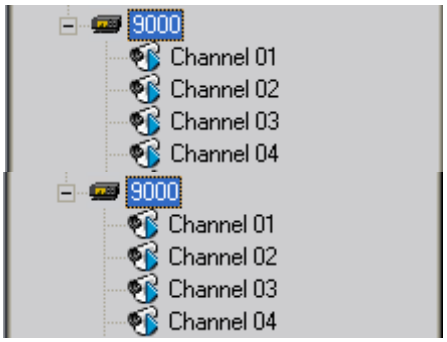
Area	Description		Area	Description
	Play			Record
	Capture			Window division
	Multi-screen			Previous/Next page
	Resume cycling all the device			Stop cycling all the device

Note: The window division and channel sequence can be remembered by the Client Software as exited, and will play automatically after login next time.

5.1 Non-cycle Preview

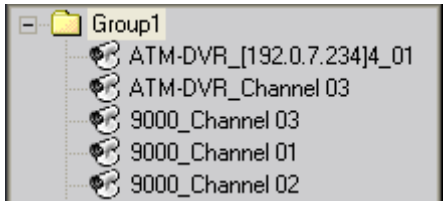
5.1.1 Play by Node

Double click the device name or drag it to the play window to preview (not enable cycle preview)



Double click the channel name to preview the corresponding cameras

Double click the device name to preview the corresponding cameras of the device in the current window divisions.



Double click the group name to preview the corresponding cameras of the group in the current window divisions.

You can also preview them by dragging them to the play windows.

The play window shows as the figure on the right.

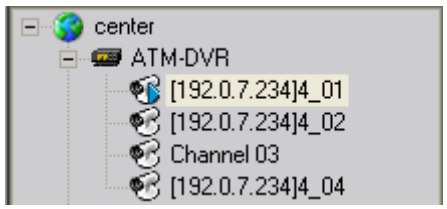
5.1.2 Short Key Preview

If the short key has been configured, then press “Play” key of the preview interface to view all the corresponding channels in the short key area in the current window divisions. Find more @ 4.3 Short Key Configuration

5.1.3 Stop Playing

There are 3 ways to stop live preview.

The play icon is , double click it to stop previewing this channel and the icon will become



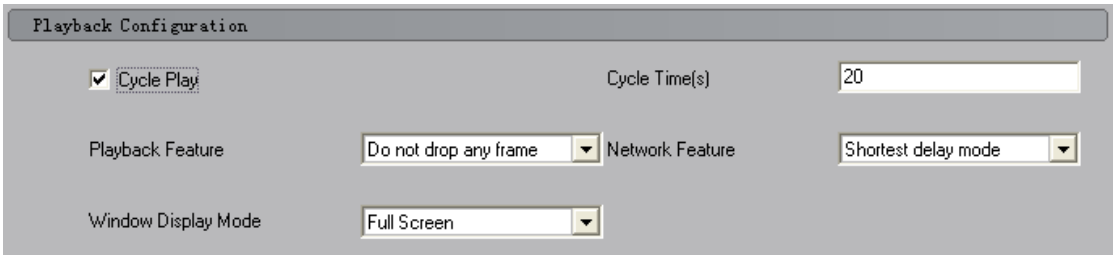
Right click in the play window and the play menu will pop up. Click “Stop Play” and the live view will stop. Meanwhile the play icon will become 

Click the  key in the preview panel to stop all the live view channels.

5.2 Cycle Play

5.2.1 Configuration

Click  key to enter the configuration interface. Then enter the local configuration by click “Software Configuration” key.



Enable Cycle:

Click  to enable cycle play, and input the cycle time, then press “Save” and return to preview interface.

Note: Cycle time should be between 20 and 3000s.

Disable Cycle:

Click  to disable cycle play and save.

5.2.2 Mixed Cycle

Mixed cycle mode enables client software cycle previews channels of the group or short key, the default window division is 2×2.

5.2.2.1 Cycle Play of Short Key Channels

Click “List” key to display channel list.

Click  key to start mixed cycle play. Take 2×2 window division for example, if there are 8 channels in the short key area, then start cycle playing, the first 4 channels will be displayed in the window, after one cycle period, the last 4 channels will be displayed in the window.

Click button  in the preview panel to stop the channel mixed cycle of short key.

Click  key to display the first 4 channels, click  key to display the last 4 channels.

Note: Click button  or  to pause the channel sequence cycle of short key. This function needs short key configuration first (Find more @ 4.3 Short Key Configuration)

5.2.2.2 Cycle Play of Group Channels

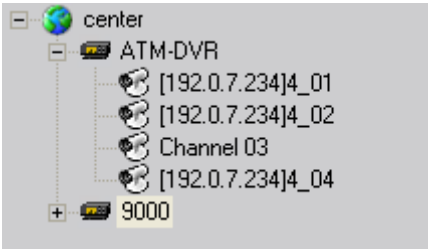
Click “Group” key to display group channel list. (Please stop playing before switching to group channels.)

Click  key to start mixed cycle play. Take 2×2 window division for example, if there are 2 groups in group area, each of them has 4 channels, then start cycle playing, 4 channels of the first group will be displayed in the window, after one cycle period, 4 channels of the second group will be displayed in the window.

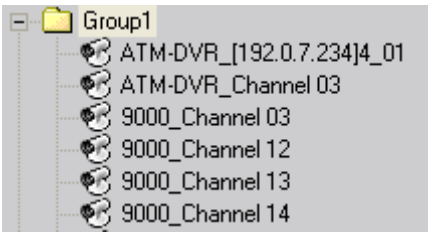
Click  key to display the first 4 channels, click  key to display the last 4 channels.

5.2.3 Cycle Play of Device/Group

Double click the device name and all the channels of the device begin to cycle in the selected window division from the 1st channel.



Double click the group name and all the channels of the group begin to cycle in the selected window division from the 1st channel.

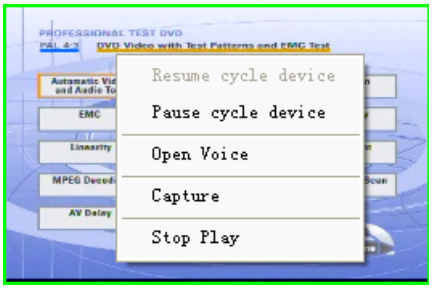


Drag the node of the device to the window, and then all the channels of this device begin to cycle.

Drag the node of the group to the window, and then all the channels of this group begin to cycle.

5.2.4 Pause Cycle

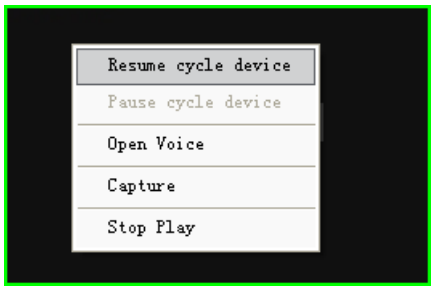
If the current window is in the device/group cycle mode, right click the cycling window, click “Pause cycle device” or “Stop cycle group” to pause cycling and remain the current image.



Click “Pause all cycle devices” key  to pause all the cycling channels.

5.2.5 Resume Cycling

If the current window is in the device/group cycle mode, right click the paused window, click “Resume cycle device” to restart cycling.



Click “Resume all cycle devices” key  to restart all the paused channels.

5.3 Preview Control

Full Screen:

When previewing, click  key to preview in full screen, to exit click  key.

Enlarge:

When in the multi-screen preview mode, double click the selected image to enlarge it, double click again to resume.

5.4 Voice Control

Right click the selected window, select “Open Voice” to enable audio preview, right click again and select “Close Voice” to disable audio preview.

he same time. If the voice of the next window is

lly.

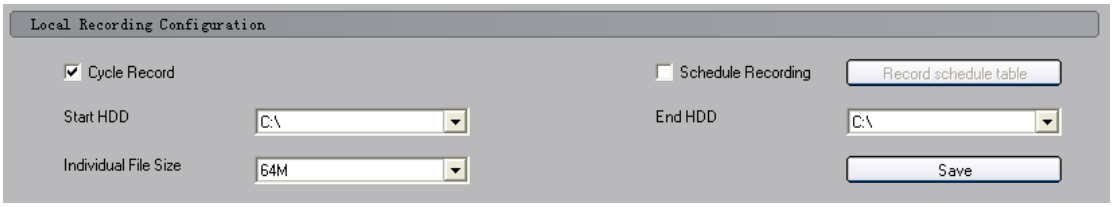
5.5 Recording & Capture

Recording and capture is only available in the live view mode.

Note: If the channel is in the recording mode, click “Stop” button to stop recording, and the preview, cycle play are stopped as well.

5.5.1 Recording

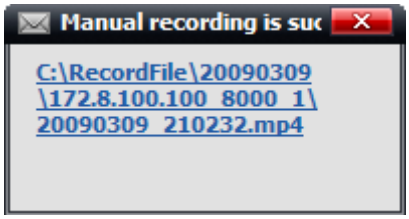
Configuration Path: Configure → Recording Feature → Local Recording Configuration



Select the saving hard disk of recorded files in the “Start HDD” & “End HDD” menu, and click “save” key.

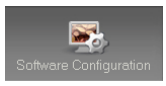
When previewing, click key to start recording, and the icon becomes as. The channel icon becomes as. Re-click to stop recording.

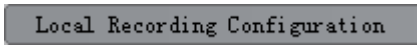
After recording, the hint window with index of recorded files will pop up; click the hint to open the target folder.



5.5.2 Capture

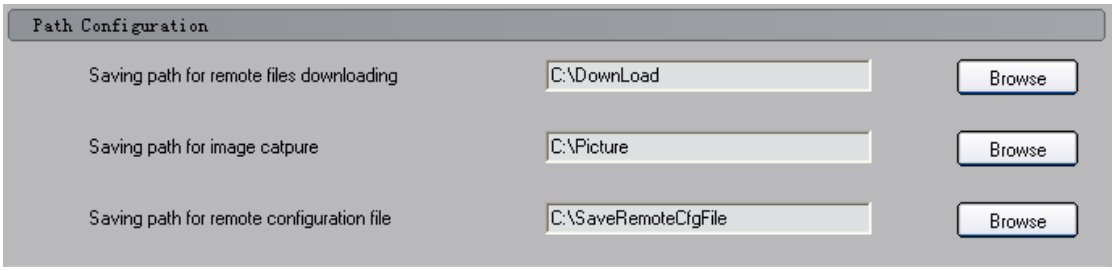
Configuration Path: 

→ 

→ 

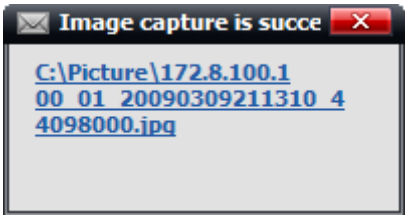
Default saving path: C:\Picture, click 

key to change the saving path.



When previewing, click  key to start capture.

After capture, the hint window with capture index will pop up; click the hint to open the target folder.

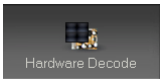


5.6 Hardware Decode

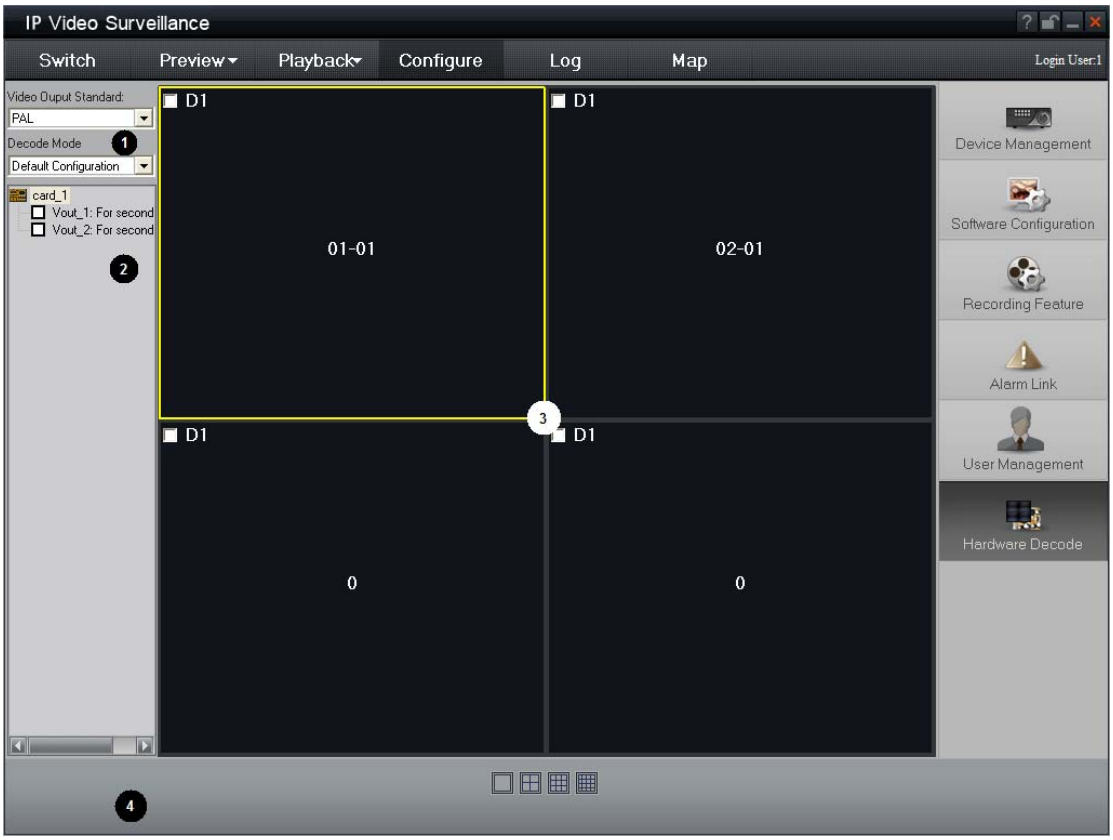
If there is video/audio decoding card installed in the computer, then this function can be available.

5.6.1 Hardware Decode Configuration

Click 

key and then 

on the right to enter the configuration interface



The area descriptions are as follows:

Area	Description	Area	Description
❶	Configuration Area	❷	Decoding Card Info Area
❸	Output Window Area	❹	Window Division Mode Select Area

❶ Configuration Area: 2 options including Video Output Standard & Decode Mode.

❷ Decoding Card Info Area: Show the information of the decoding cards and channels.

❸ Output Window Area: Configure the output mode of decoding channels.

❹ Window Division Mode Select Area: Select window division mode.

5.6.1.1 Hardware Decode Mode Configuration

The decoding card installed in the PC can be recognized and initialized automatically as client software starts up, and the information will be displayed in the decoding card info area. The icon means decoding card and the sub-nodes show the information of decoding channels.

The hardware decoding modes of MD card including: default, preview on & TV wall on, preview off & TV wall on.

Hardware	Descriptions

Decode Mode	
Default Configuration	Each 4002MD card decodes 2 channels; each 4004MD card decodes 4 channels and so on. Support decoding and cycling play.
TV wall on & Preview on	The images from the play window of client software and TV wall are decoded by MD card, which needs to configure in the hardware decode configuration.
TV wall on & Preview off	The images from the TV wall are decoded by MD card; the images from the play window of client software are decoded by CPU.

If the resolution of all the images is CIF, then the max decoding channel number is: 4 channels for each 4002MD card; 8 channels for 4004MD card.

If the resolution of all the images is D1, then the max decoding channel number is: 2 channels for each 4002MD card; 4 channels for 4004MD card.

Tips: Video Output Modes including PAL & NTSC.

Note: The video output mode of images from device and TV wall need to be the same standard, or else the image will become abnormal.

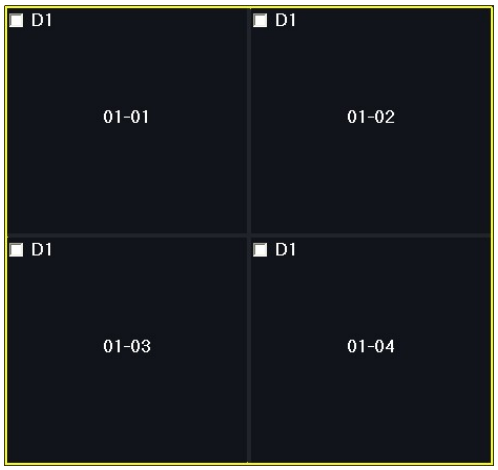
5.6.1.2 Hardware Decode Output Window Configuration

The “output window panel” has a multi-window division according to the total MDI card BNC number. One window is related to one BNC.

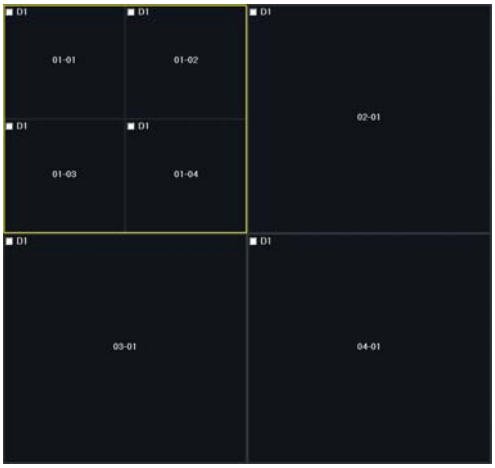
Take one 4004MDI card for example, there are 4 BNCs and the “output window panel” will show you 4 windows division. Window is named as 01-01, 02-01, 03-01 and 04-01.

Select one window on “output window panel” and click window division button to select a window division on this BNC.

For example, if we select the first window 01-01 then divide into 4 windows, the 4 windows will be named as 01-01, 01-02, 01-03, 01-04.



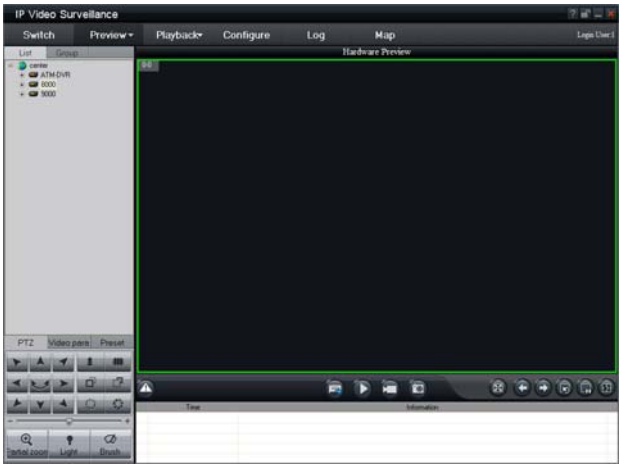
Tick the check box  on each window to set the channel decode D1 resolution stream.



Note: If the default mode is selected, then each decoding channel outputs one single image and division mode is invalid.

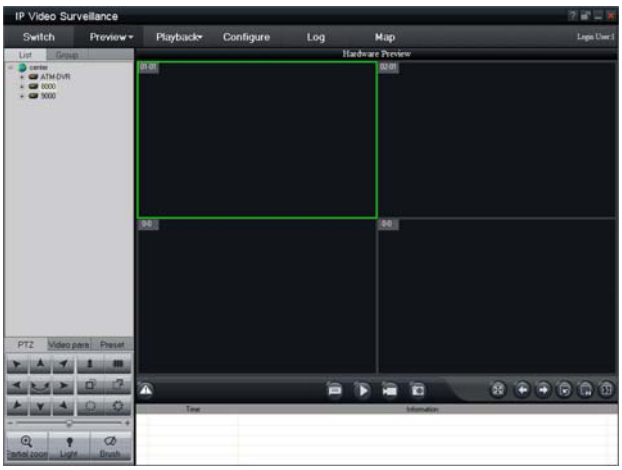
5.6.2 Hardware Decode Preview

After configuration, click “Preview” key and select “Hardware Preview” to enter the hardware decode interface.



Click  then start to decode, at the moment, preview windows layout will switch to the layout which set in “output window panel”.

The window exceed maximum decode channel won’t be displayed.

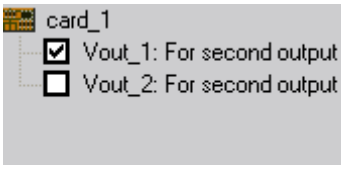


The basic operations of hardware preview are the same with software decode, please refer to sections 5.1-5.5 for more details.

5.6.3 Secondary Output of Hardware Decode

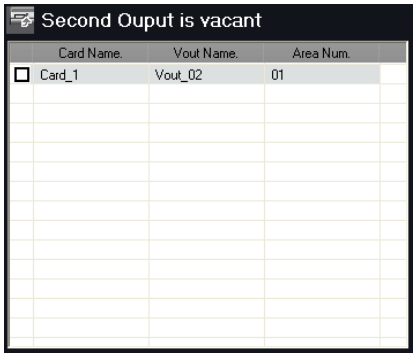
MD card can output the decoded images twice. Take 4002MD card for example, one 4002MD card can decode 4 channels CIF images, assume they are channel01, channel02, channel03, and channel04; if one decoding channel is set as 4 divisions and separately display channel01, channel02, channel03, and channel04, then the other decoding channel can only support one division and select one decoding channel to output the image. The descriptions above are defined as secondary output.

Enter hardware decode configuration interface, and tick the channel that set as secondary output and the channel status will become ☑



Click  in the window division to display secondary output list.

Note: The system will clear the previous configuration information of the secondary output channel.

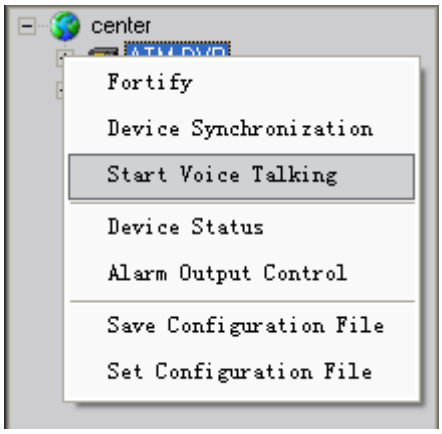


5.7 Others

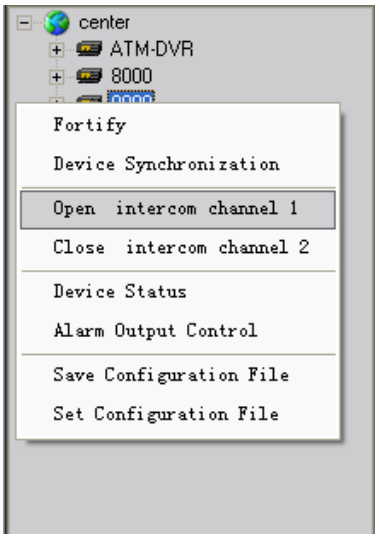
5.7.1 Voice Talk & Broadcast

In preview interface, right click the device name and the sub menu will pop up.

Click “Start Voice Talking” to talk with the selected device.

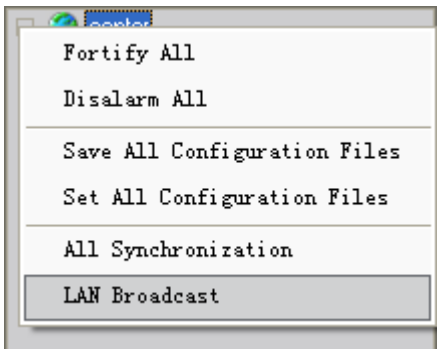


If the device is 9000 DVR, then there will be two voice talk channels for choice.



Note: Client software only supports one voice talk at one time

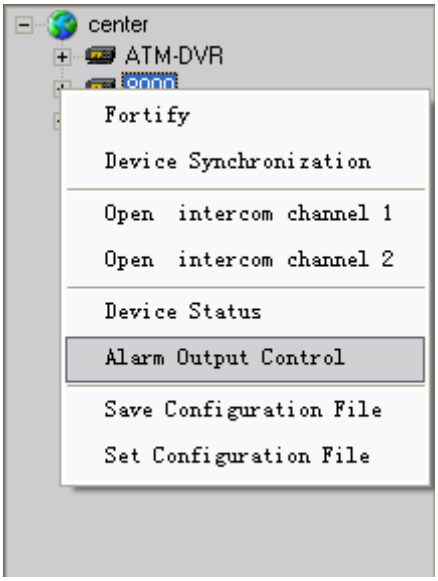
Right click area name and select “LAN Broadcast” to talk to the area.



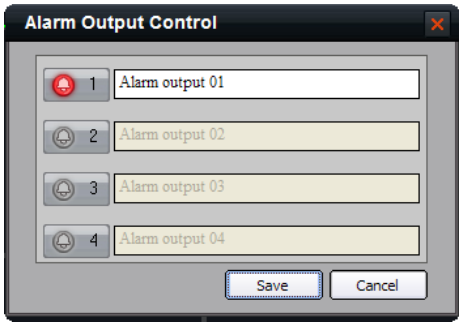
5.7.2 Alarm Output Control

Right click the device name and the sub menu will pop up.

Select “Alarm Output Control” to turn on or off the alarm output, and define alarm output name.



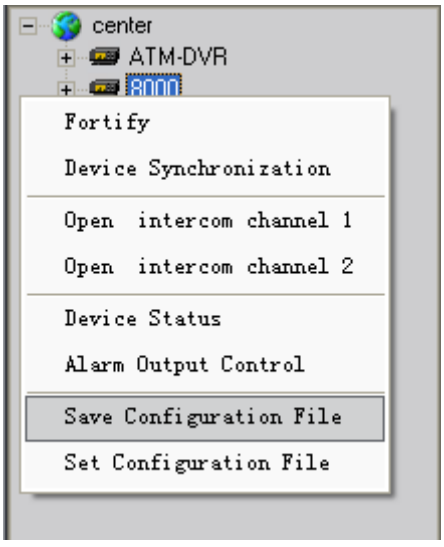
Click 1 and it becomes 1 key, so as to turn on the alarm output and activate the name modified function, re-click 1 key to turn off the alarm output.



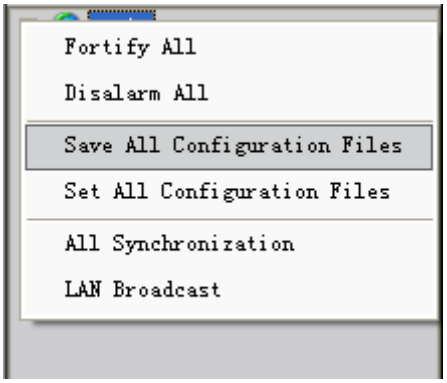
5.7.3 Import & Export Configuration Files

Right click the device name and the sub menu will pop up.

Click “Save Configuration File” to export configuration file and “Set Configuration File” to import configuration file.

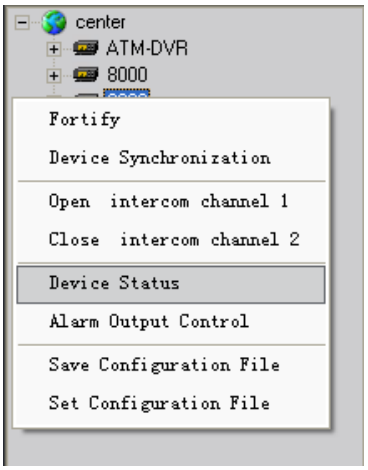


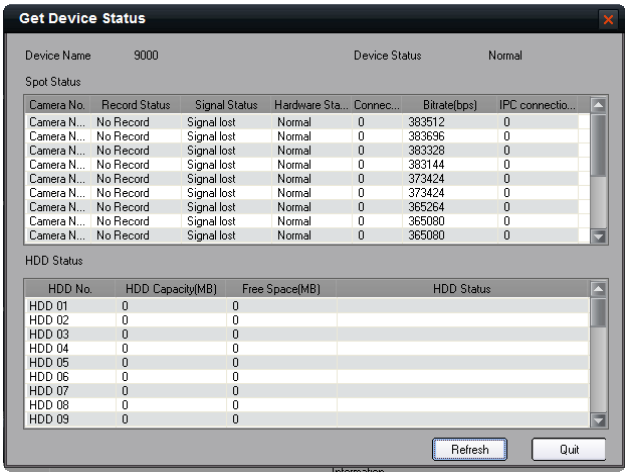
Right click area name and select “Save All Configuration File” to export all configuration files, and “Set All Configuration File” to import all configuration files.



5.7.4 Device Status

Right click the device name and the sub menu will pop up. Click “Device Status” to get device working information, including channel and hard disk status.





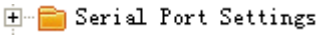
Chapter 6 PTZ Control

6.1 RS-485 Parameters Configuration

Before PRTZ operations, please make sure that RS-485 parameters has been correctly configured by client software.

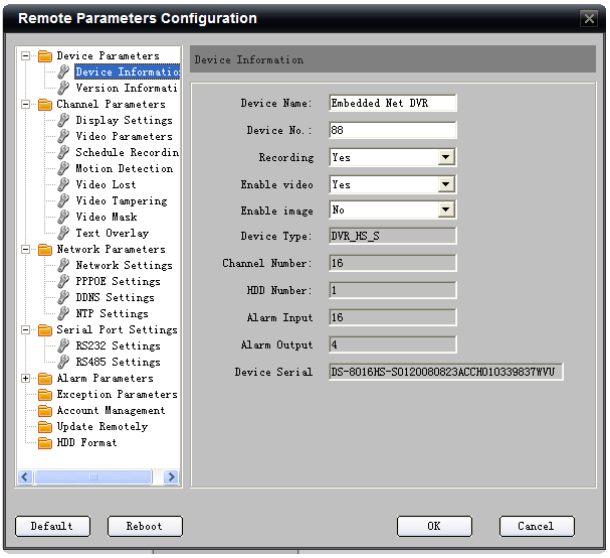
Click “Configure” and enter the corresponding interface.

Right click the device name and select “Remote Configuration” from the sub menu.

Click 

to unfold the options, shown as figure on the right.

Note: RS-485 configuration must be the same with PTZ configuration.



6.2 PTZ Control

Return to preview interface and user can control PTZ.

6.2.1 Direction Control

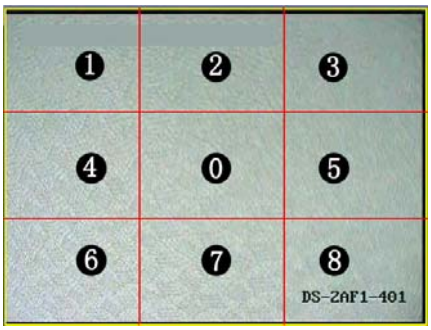
There are 8 keys to control PTZ directions, and the active bar to change PTZ speed, which is adjustable from 1 to 7, and default speed is 4.

Click  key to start auto scan.

Click the function keys on the right to adjust focus, iris and zoom.

Other PTZ Control Mode – Screen PTZ Control: user can control PTZ by dragging and click in the play window.

Drag Control: There are 3×3 nine areas, when the mouse moves to area 1-8, the mouse icon will become as: ❶ ; ❷ ; ❸ ; ❹ ; ❺ ; ❻ ; ❼ ; ❽ , and continued to move the mouse along the direction shown by arrows, PTZ will move to the same directions.



Note: This function is only available for software decode.

6.2.2 Partial Zoom

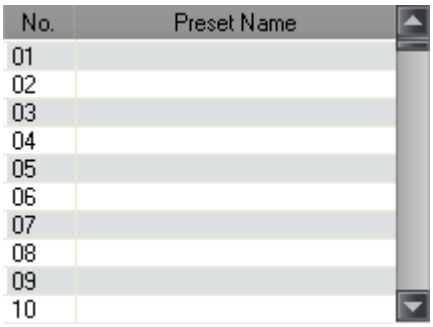
Click “Partial Zoom” to zoom in or out, the mouse icon will become as , press the left key of the mouse and drag a area you want to zoom.

Drag from up left to down right to zoom in; drag from down right to up left to zoom out.

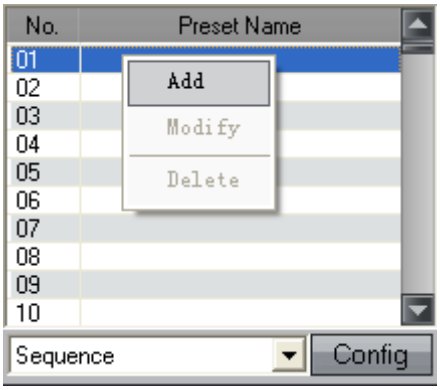
Note； This function is only available as HIKVISION protocol is selected for PTZ.

6.2.3 Preset

Click the Preset key on the PTZ control panel and enter preset edit window.



Select one play window, and right click the preset list to add, modify and delete preset.



Move the PTZ to the position you want, and click “Add” to input preset name, then click OK to finish.

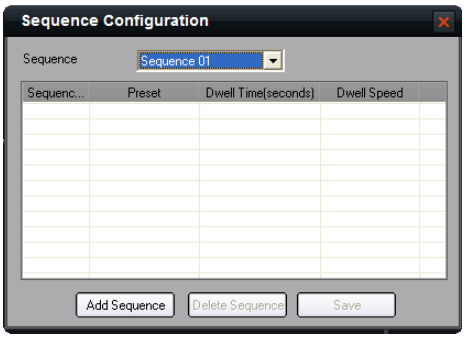
Then double click preset in list to call it.

Right click preset to modify this preset/delete

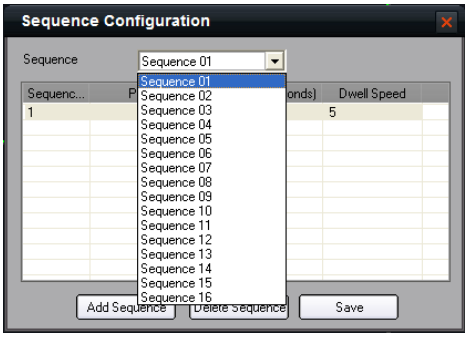
6.2.4 Sequence

After adding two or more presets for one channel, you can set a sequence with presets for PTZ.

1st step: Enter preset configure window, and click Config key to show sequence configure menu.

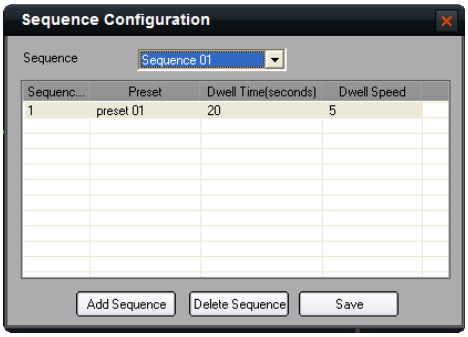


2nd step: Click Add Sequence then select the preset you would like to add as sequence point

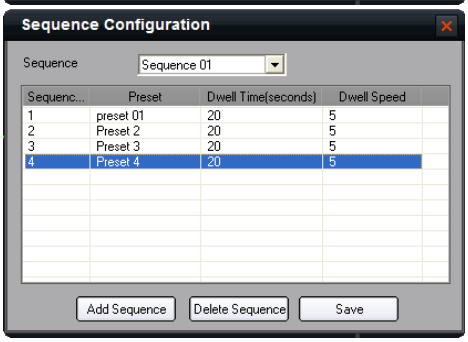


3rd step: Set the time and speed for the preset.

Note: Dwell time is between 1 and 128s; dwell speed is between 1 and 140.



4th step: Repeat the 2nd and 3rd step to add the presets to the sequence. Then click Save key to save the settings.



After configuration, you can choose the sequences from the list 

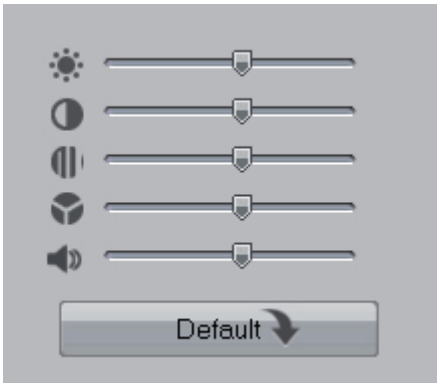
, and call them.

6.3 Video Parameters Configuration

Click the 

key to show the video parameters configuration menu.

Move  to adjust the video parameters. (Range: 1-10).



Icon	Description	Icon	Description
	Brightness		Contrast
	Saturation		Hue
	Volume		Restore

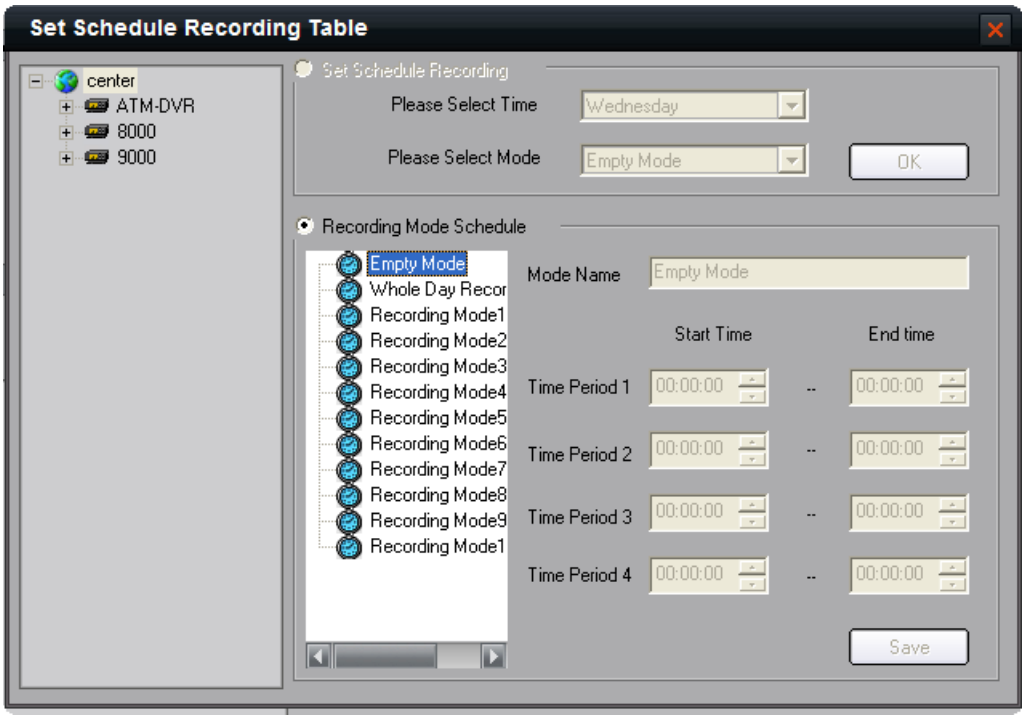
Chapter 7 Recording & Playback

7.1 Recording

7.1.1 Local Recording

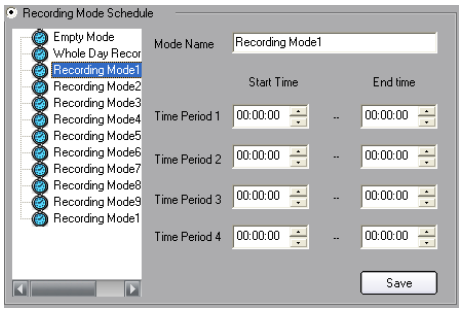
Click tab page Configure then Recording Feature to enter record setting interface

Enable “Schedule Recording” (Schedule Recording), and click Record schedule table to set the record schedule.



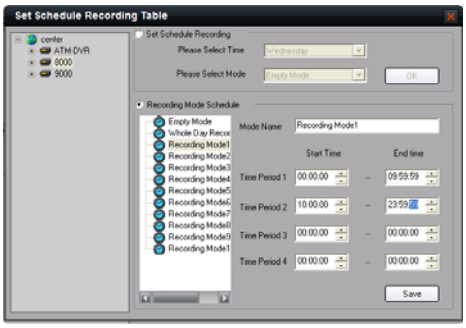
You can choose “Whole Day Recording Mode” or you can define the recording mode for your own demands.

Enable “Recording Mode Schedule”, and the status is , then you can configure the schedule mode.



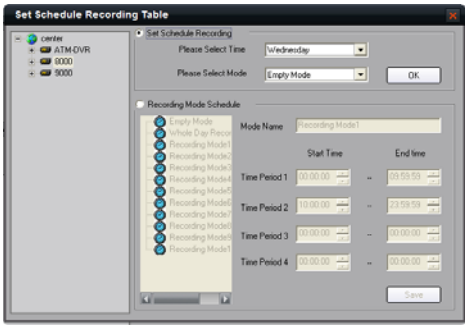
1st step: Input the mode name.

2nd step: Set the time periods, and click “Save” to finish.

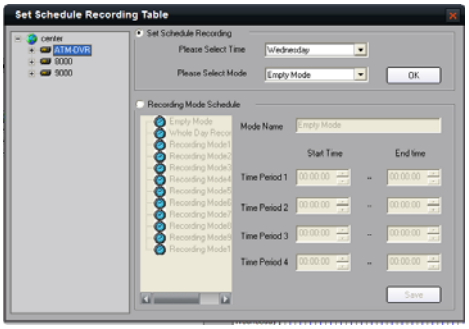


Set recording schedule:

First click the device or channel name to activate the recording schedule configuration.



Select the recording date and mode, then click “OK” to finish.



Note: It needs to restart the software to make the settings become effective.

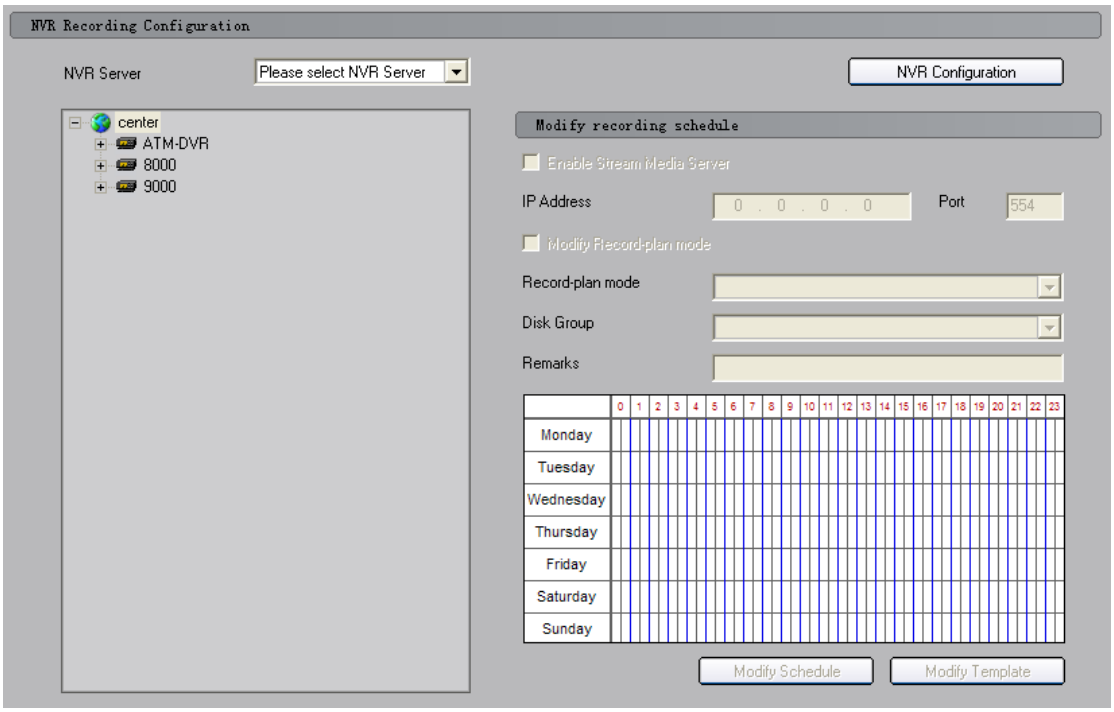
Choose saving hard disk of the recorded files from “Start HDD” and “End HDD”.

If “Cycle Record” is selected, and each disk space is less than 2G, the earliest recorded files will be overwritten to continue recoding.

If not, when the disk is full, the “Disk Clean” will pop up, after cleaning disk and if the disk space is larger than 2G, the schedule recording will restart.

7.1.2 NVR Storage Server Recording Configuration

You can remote configure the recording schedule and playback the recorded files of the NVR storage server through client software, shown as figure below.



7.1.2.1 Add NVR Server

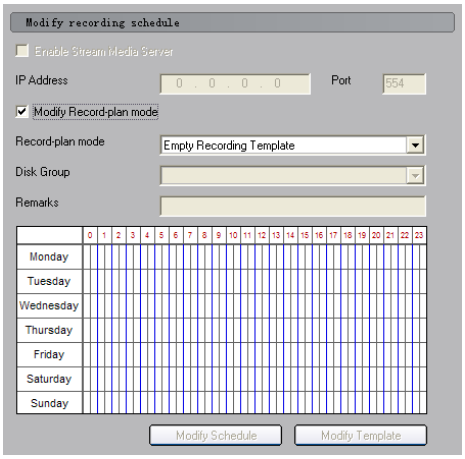
Click  key to enter NVR configuration interface.

Input the NVR server name, IP address and port, and click  key to finish.

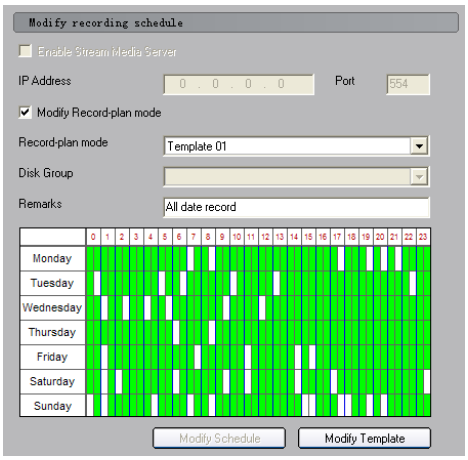
Note: Max 16 NVR servers can be added to the client software. The default server port and VOD port are

8320 and 8554.

7.1.2.2 NVR Recording Mode Configuration



1st step: Select added NVR servers from NVR Server list to enable modifying recording schedule, and then enable "Modify Recording mode".

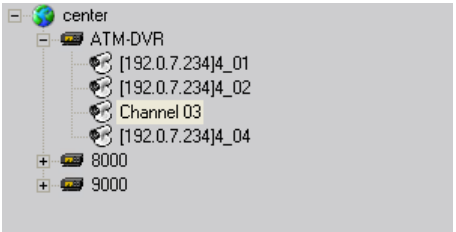


2nd step: Set the recording time for the mode.

Click the mouse to add recording schedule; right click to cancel recording schedule. Then click Modify Template key to save the settings.

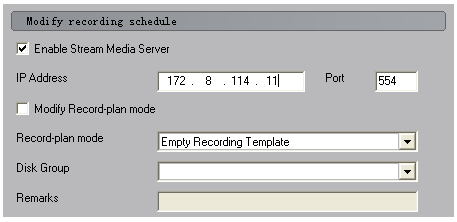
Note: The unit of recording mode is half an hour, green means valid, white means invalid.

7.1.2.3 NVR Recording Schedule Configuration



1st step: Select the device or channel for recording

The status of "Recording plan mode" is

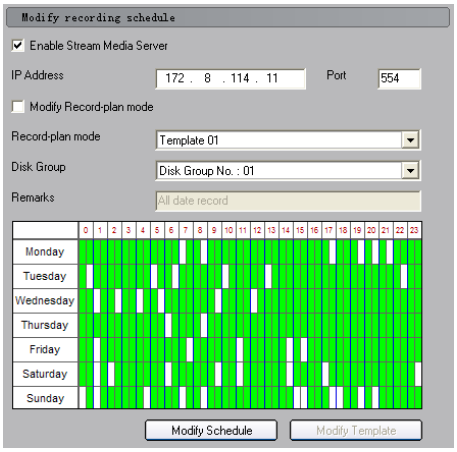


2nd step: If necessary, enable stream media server and input the IP address and port.

3rd step: Configure the recording schedule.

Select the mode from “Recording plan mode” and select the disk group to save the recorded files.

Click Modify Schedule key to finish configuration.



7.2 Playback

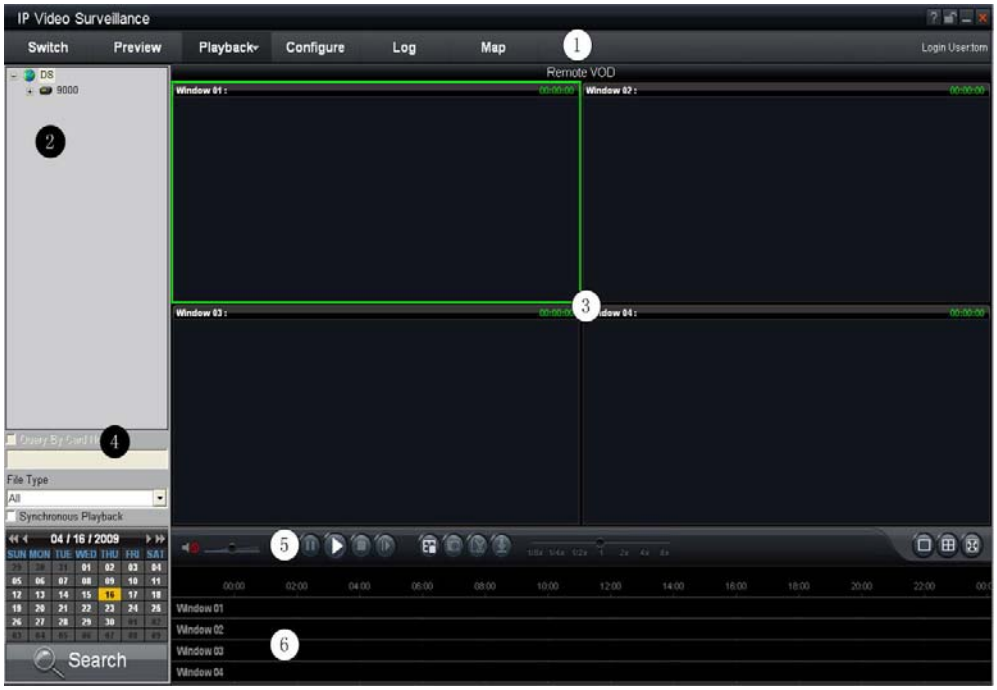
There are 2 options for playback, one is local playback and the other is remote VOD, which can be chosen by clicking Playback key.

Local Playback: Searching the recorded files from hard disk of PC.

Remote VOD: Searching the recorded files from hard disk of DVR or storage server.

7.2.1 Remote VOD

Click Playback and choose “Remote VOD” (Remote VOD / Local Playback) to enter the playback interface.

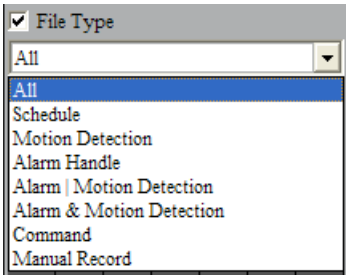


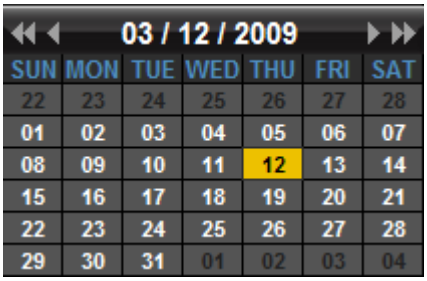
Area	Description		Area	Description
❶	System Area		❷	Device Area
❸	Playback Windows		❹	Query Area
❺	Play Control Buttons		❻	Time Axis Area

7.2.1.1 Remote VOD Query

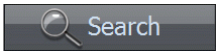
1st step: Select the playback channel and window.

2nd step: Select recorded files type and query time.





3rd step: Add information of card number. For ATM DVR enable “Query by Card No.” and input the overlaid card number to search. Other device can skip this step.

4th step: Click 

key to search the matched recorded files, if there is, then it will shows in the time axis area.

5th step: Click  key to start playback. You can choose time by dragging mouse to the time you want on the time axis.

Select one channel then drag into playback window. If there is recorded file in this day, it will playback it from the very beginning of this day.

If you enable synchronous playback, then the 4 windows will playback synchronously. If the start time of the 4 windows is not same, the most ahead window will wait for other windows until they reach the same time point.

7.2.1.2 Playback Control

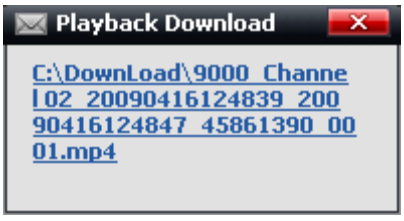
When playback has succeeded, the play window will show as below:

Descriptions on playback buttons:

Button	Description		Button	Description
	Open/Close Sound			Capture
	Pause			Video Clip
	Play			Download
	Stop			Single window
	Play by single frame			4 Screen Division
	Stop All			Full Screen
		Play Speed Adjust Bar		

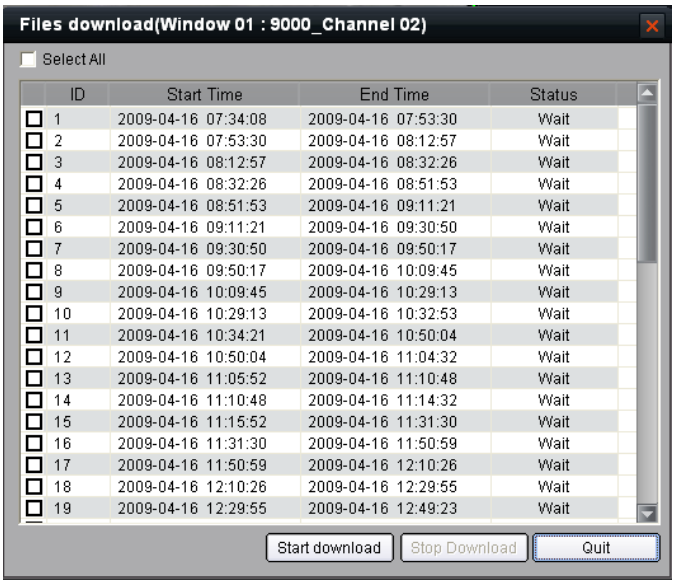
Note: In the single frame playback mode, every time you click button, the recorded files will play forward by one frame.

During playback, click once to set begin time of video clip, click it again to set end time of video clip. After saving the video clip, a message will be raised, click it to open video segment.



After searching out the recorded file, you can click  to download file to local PC.

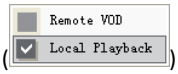
You may click on message to open the download saving directory.



You may go to “Configure” → “Software Configure” → “Path configuration” to change the saving directory.

7.2.2 Local Playback

Click 

and choose “Local Playback” (

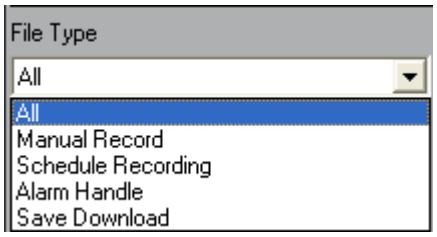
) to enter the playback interface.

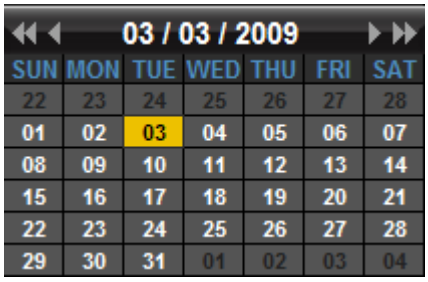
Area	Description		Area	Description
❶	System Area		❷	Device Area
❸	Playback Windows		❹	Query Area
❺	Play Control Buttons		❻	Time line Area

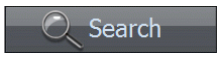
7.2.2.1 Local Playback Query

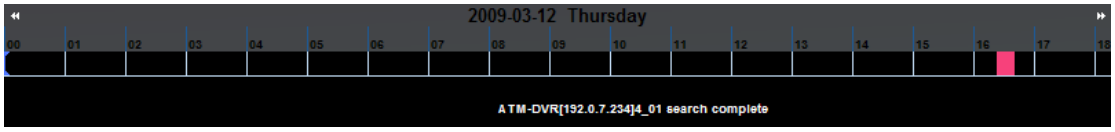
1st step: Select the playback channel and window.

2nd step: Select recorded files type and query time.





3rd step: Click  key to search the matched recorded files, if there is, then it will shows in the time axis area.



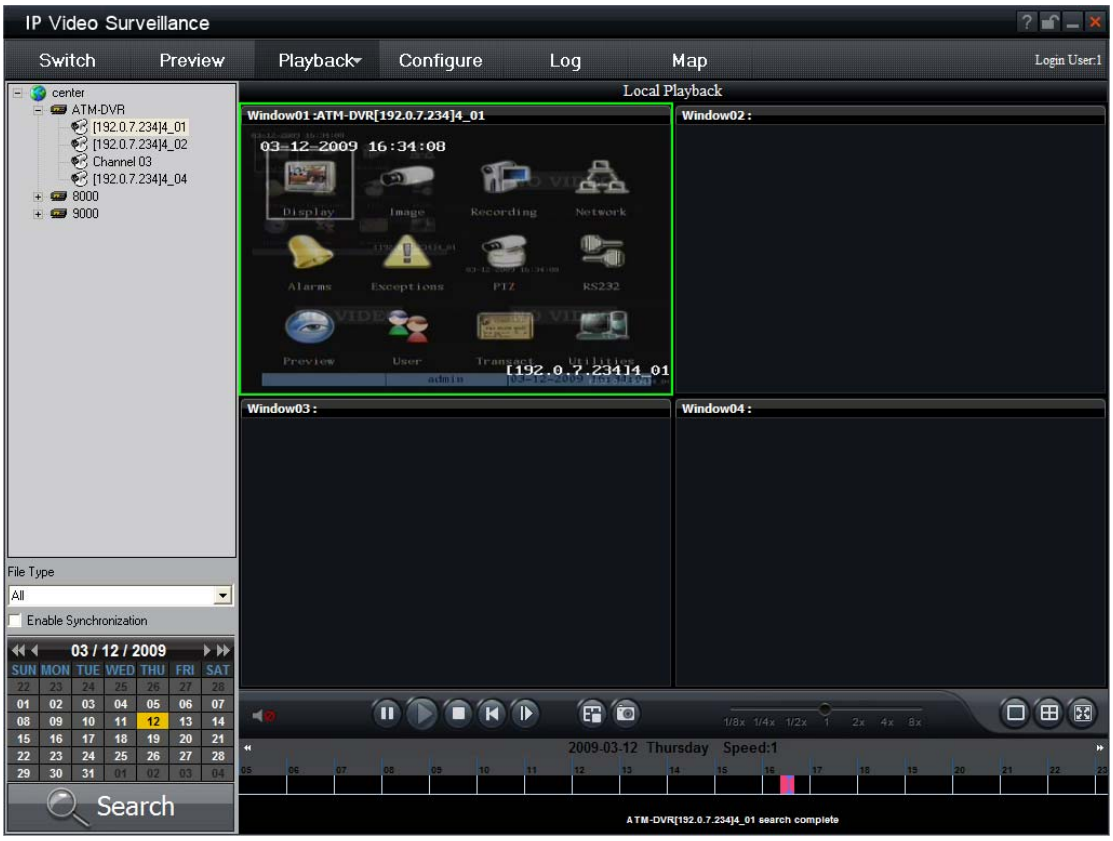
4th step: Click  key to start playback. You can choose time by dragging mouse to the time you want on the time axis.

Click key to roll forward time axis, click key to roll backward time axis. Icon means there are recorded files during this period, Icon means playing time point.

Select one channel then drag into playback window. If there is recorded file in this day, it will playback it from the very beginning of this day.

7.2.2.2 Playback Control

When playback has succeeded, the play window will show as below:



Descriptions on playback buttons:

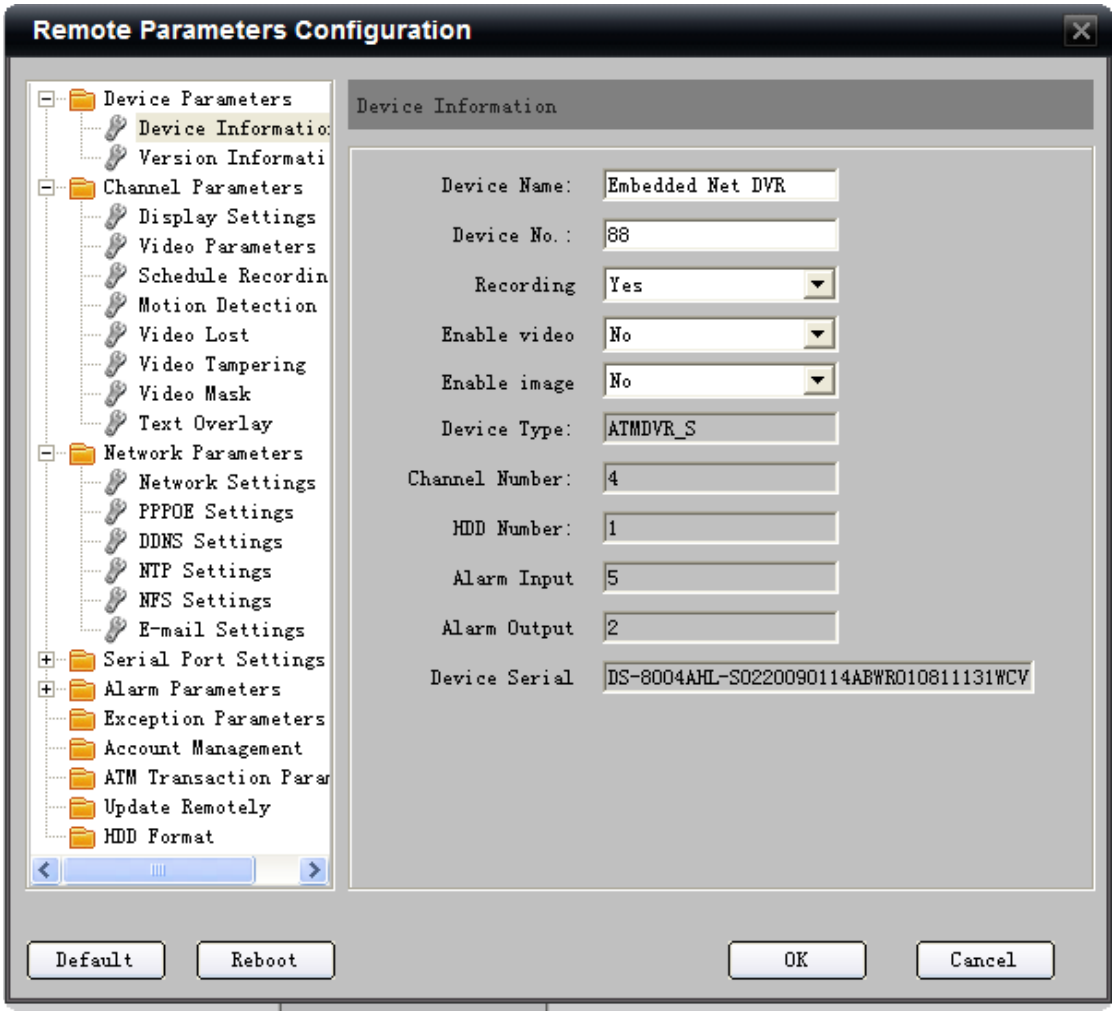
Button	Description		Button	Description
	Open/Close Sound			Stop All
	Pause			Capture
	Play			Single Screen
	Stop			4 Screen Division
	Play by single frame			Full Screen
	Return to Beginning			
			Play Speed Adjust Bar	

Note: In the single frame playback mode, every time you click button, the recorded files will play forward by one frame.

Chapter 8 Remote Configuration

You can remote configure the parameters of the device, including recording schedule, alarm schedule and etc.

Path: Configure → Device Management → Right click the device and select “Remote Configuration”



If the device is 9000 series DVR, after clicking the “Remote Configuration” then you need to click ter parameters configurati key in the pop-up menu and enter the configuration interface.

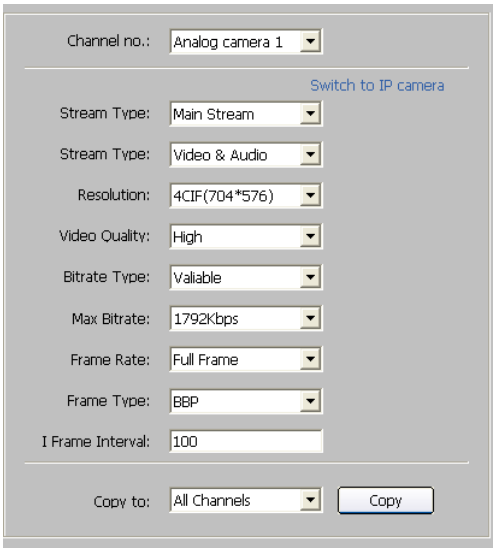
Note: Remote configuration of PCDVR via client software is not available right now.

8.1 Remote Recording Configuration

8.1.1 Encoding Parameters Configuration

Select Channel Parameters → Video Parameters to enter encoding parameters configuration interface.

Note: If the device is 9000 series, click “Switch to IP Channel” and select IP channel to configure the parameters of IP camera.

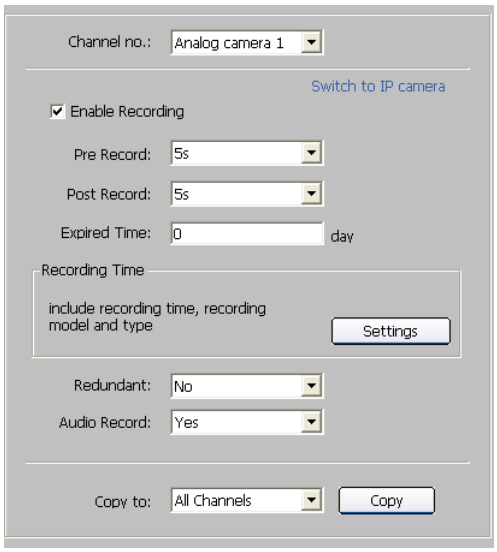


Parameters	Description
Dual Stream	Main/Sub stream and Event Parameters
Stream Type	Video&Audio or Video stream
Resolution	Recording Resolution
Bit Rate Type	Variable & Constant
Max Bit rate	Maximum bit rate of the compressed stream
Frame Rate	Record frame rate, from 1/16 to full frame
Frame Type	BBP,BP & Single P frame
I frame interval	The interval between 2 I frames

8.1.2 Schedule Recording

Select Channel Parameters → Schedule Recording to enter configuration interface.

Enable recording by clicking the tick.



Note: "Recording Expired" "Redundant" and "Audio Record" are only available for 9000 series DVR.

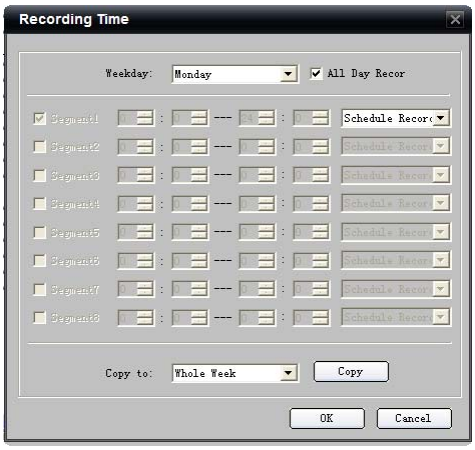
Parameters	Description
Redundant	Redundant for this channel or not (When redundant disk is available)
Recording Expired	Storage life of recorded files in redundant disk, expired data will be deleted
Audio Record	Recorded files include audio or not

Click "Settings" of the "Recording Time" to enter recording schedule configuration interface.

Select "Weekday" as some day of the week or the whole week for recording time.

Click Schedule Recor for the recording type. The "All Day Record" or 8 "Segments" can be selected as well.

Note: The time of each segment can not be overlapped.

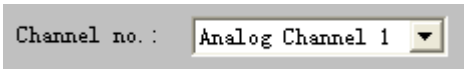


8.1.3 Motion Detection Recording

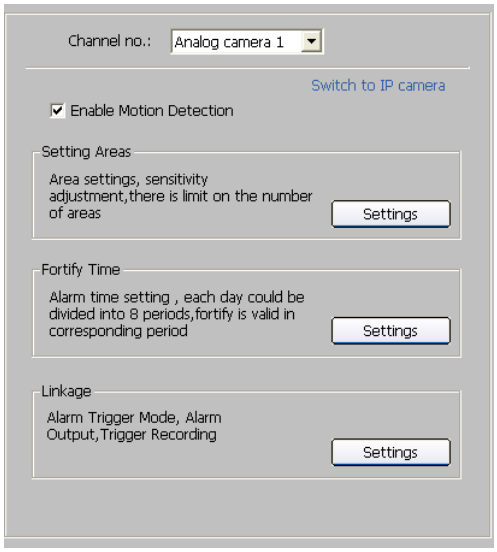
Click Motion Detection to enter motion detection recording interface.

Note: If the device is 9000 series, click "Switch to IP Channel" and select IP channel to configure the parameters of IP camera.

1st step: Select channel number for motion detection.



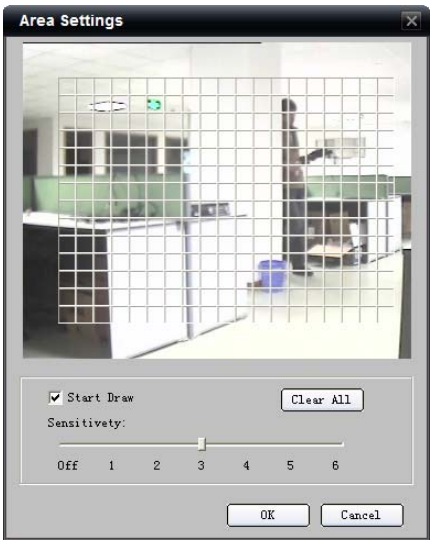
2nd step: Enable motion detection to activate “Setting Area”, “Fortify Time” and “Linkage” settings.



3rd step: Set the motion detection area and sensitivity.

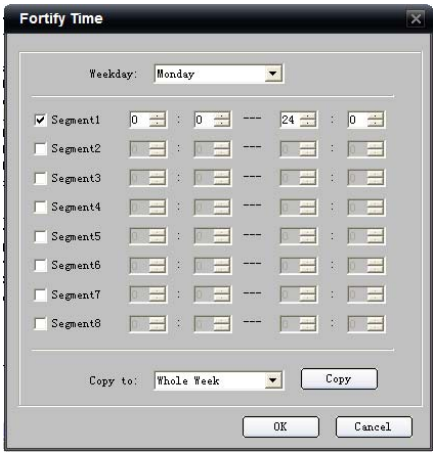
The sensitivity 1 and 6 are the lowest and the highest level.

Enable “Start Draw”, and select the detection area by using mouse.



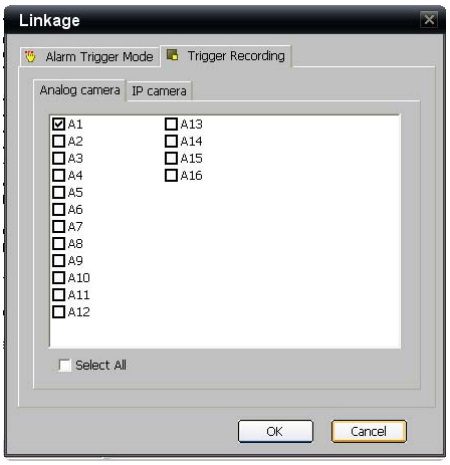
4th step: Set the detection time.

“Fortify Time” can be one day or the whole week, and 8 segments for one day.



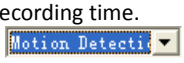
5th step: Set the “Trigger Recording” for linkage.

Click “Setting” in the linkage area and select “Trigger Recording” tab.

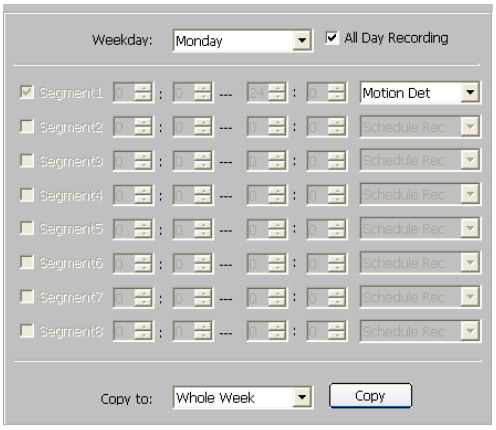


6th step: Set the detection recording time.

Select “Weekday” as some day of the week or the whole week for recording time.

Click  for the recording type. The “All Day Record” or 8 “Segments” can be selected as well.

Note: The time of each segment can not be overlapped. The valid time is the intersection of the motion detection time and motion detection recording time.

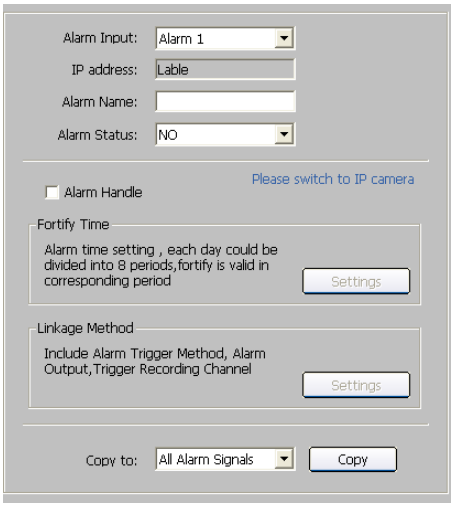


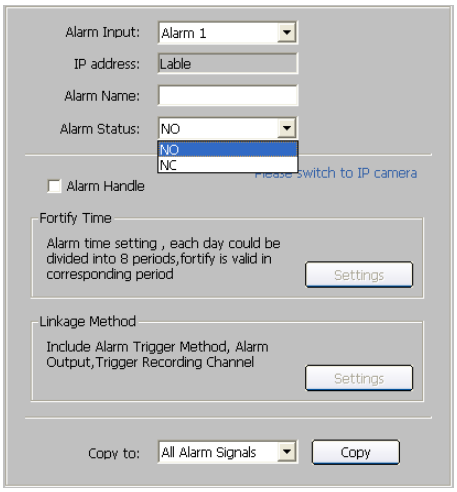
8.1.4 Alarm Recording

Select Alarm Parameters → Alarm Input Settings

1st step: Select alarm input.

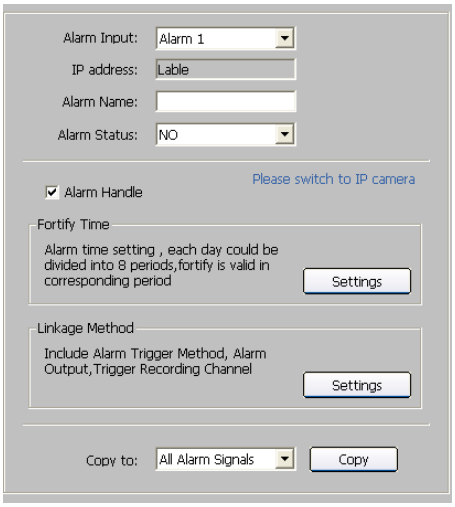
Note: If the device is 9000 series DVR, you can click “Switch to IP channel” to configure the alarm input of IP channel.



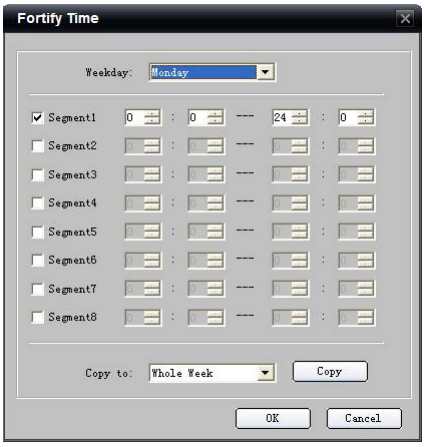


2nd step: Select the type of alarm input, “NO” or “NC”.

Note: The settings will become effective after rebooting.



3rd step: Enable “Alarm Handle” to activate “Fortify Time” & “Linkage Method”.



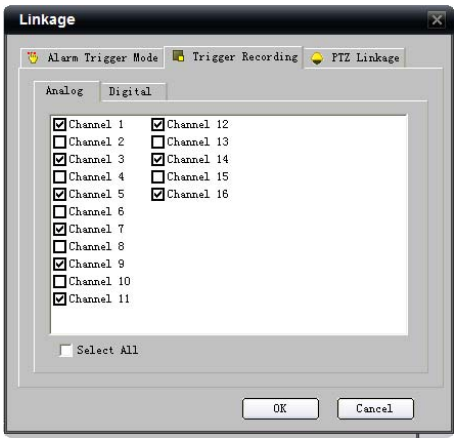
4th step: Set the fortify time for alarm input.

Click “Settings” in “Fortify Time” menu.

Select “Weekday” as some day of the week or the whole week for recording time.

The “All Day Record” or 8 “Segments” can be selected as well.

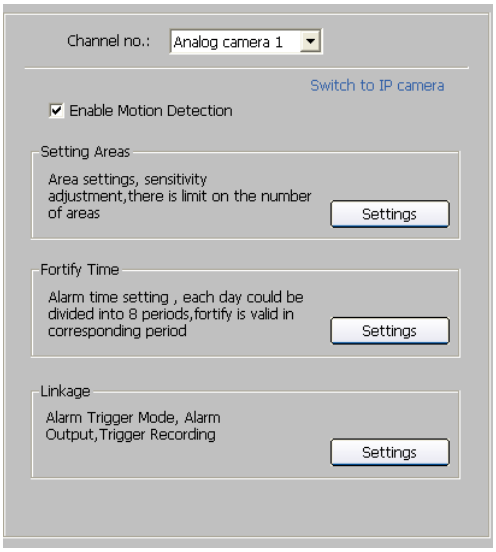
Note: The time of each segment can not be overlapped.



5th step: Set recording channel triggered by alarm.

Click “Settings” in “Linkage” menu and select “Trigger Recording” tab.

Enable the recording channels you want.



6th step: Enter schedule recording interface. Click  to enable Recording.

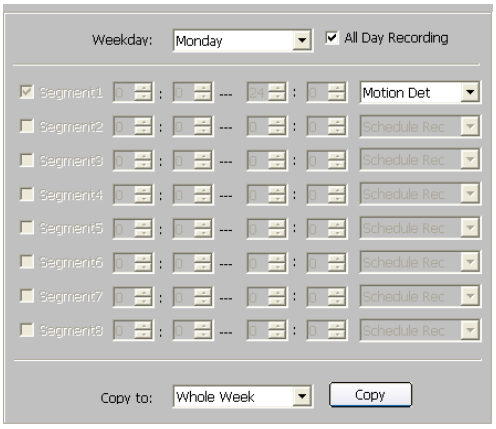
7th step: Set the recording time for alarm input.

Click “Settings” in “Recording Time” menu.

Select “Weekday” as some day of the week or the whole week for recording time.

The “All Day Record” or 8 “Segments” can be selected as well.

Note: The time of each segment can not be overlapped.



8.1.5 Other Recording Modes

Other Recording Modes are including “Motion detection & Alarm”, “Motion detection | Alarm”.
“&” means recording is triggered when two situations happened together;
“|” means recording is triggered when one of the situations happened.
The configurations are the same with “Motion detection recording” or “Alarm recording”.

8.2 Alarm

You can configure motion detection alarm, signal level alarm, video loss alarm and other alarm and linkage through client software.

8.2.1 Motion Detection Alarm

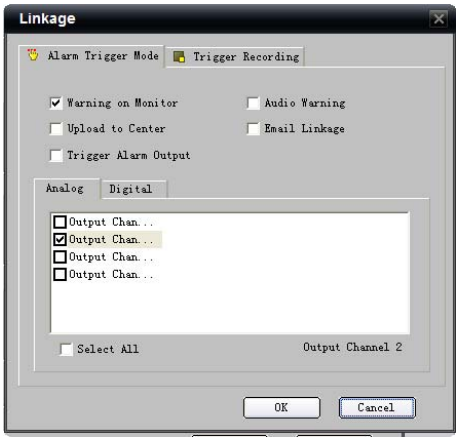
1st step: The same with the 1st step of 8.1.3 Motion Detection Recording

2nd step: The same with the 2nd step of 8.1.3 Motion Detection Recording

3rd step: The same with the 3rd step of 8.1.3 Motion Detection Recording

4th step: The same with the 4th step of 8.1.3 Motion Detection Recording

5th step: Set the alarm linkage for motion detection and select alarm output channel.



Alarm Linkages Description:

Linkage	Description
Warning on Monitor	When the alarm signal is detected, the image of corresponding channel will pop out as single screen.
Audio Warning	Alarm triggers buzzer
Upload to Center	Upload the alarm signal to the center, such as client software
E-mail Linkage	When the alarm signal is detected, the client software will send the email to the designated mailbox.
Trigger Alarm Output	Trigger alarm output of the device; if the device is 9000 series, triggering alarm output of IP channel can be selected as well.

8.2.2 Signal Level Alarm

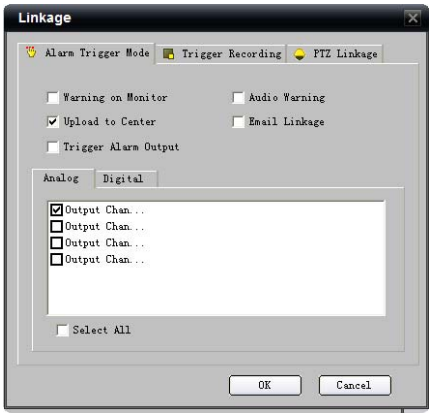
1st step: The same with the 1st step of 8.1.4 Alarm Recording.

2nd step: The same with the 2nd step of 8.1.4 Alarm Recording.

3rd step: The same with the 3rd step of 8.1.4 Alarm Recording.

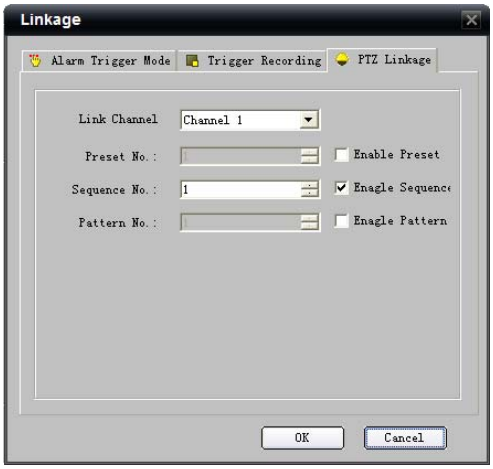
4th step: The same with the 4th step of 8.1.4 Alarm Recording.

5th step: Set the alarm linkage for signal level and select alarm output channel.



6th step: Set PTZ linkage for signal level alarm.

Note: Alarm input can link PTZ of several channels, but one channel can only link one option of preset, sequence and pattern.

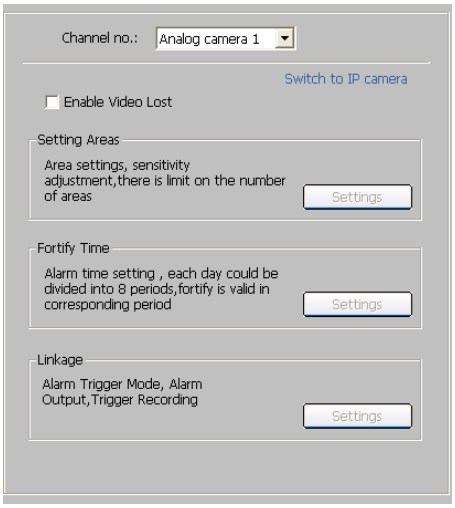


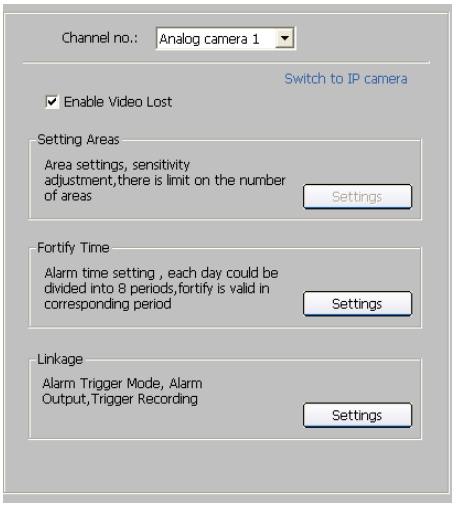
8.2.3 Video Loss

1st step: Select the channel number for video loss.

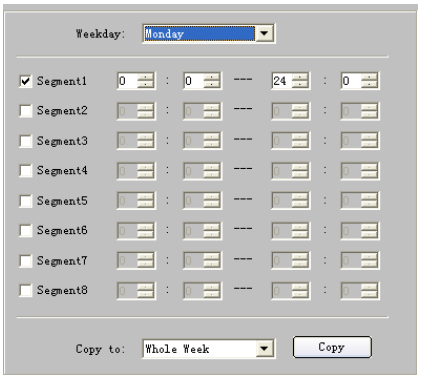
Select Channel Parameters → Video Lost

Note: If the device is 9000 series DVR, you can click "Switch to digital channel" to configure the video loss of IP channel.





2nd step: Enable “Video Loss” to activate settings of “Fortify Time” and “Linkage”



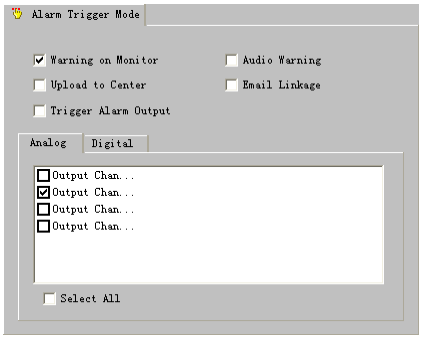
3rd step: Set the fortify time for video loss.

Click “Settings” in “Fortify Time” menu.

Select “Weekday” as some day of the week or the whole week for the fortify time.

The “All Day Record” or 8 “Segments” can be selected as well.

Note: The time of each segment can not be overlapped.



4th step: Set linkage for video loss.

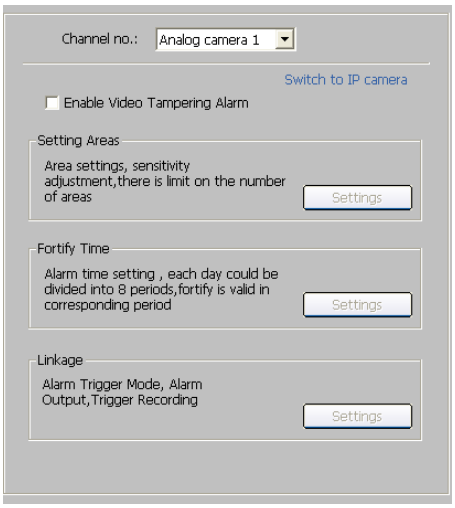
Click “Settings” in the “Linkage” menu.

8.2.4 Video Tampering

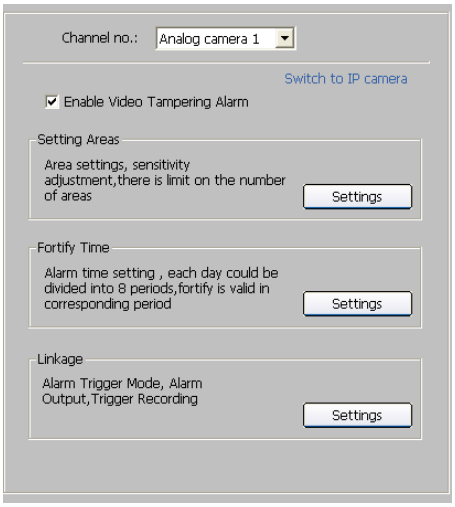
1st step: Select the channel number for video tampering.

Select Channel Parameters → Video Tampering

Note: If the device is 9000 series DVR, you can click "Switch to digital channel" to configure the video tampering of IP channel.



2nd step: Enable "Video Tampering Alarm" to activate settings of "Setting Areas", "Fortify Time" and "Linkage"



3rd step: Set the video tampering area and sensitivity.

The sensitivity can be divided into three levels: Low, Medium, and High.

Enable "Start Draw", and select the detection area by using mouse.

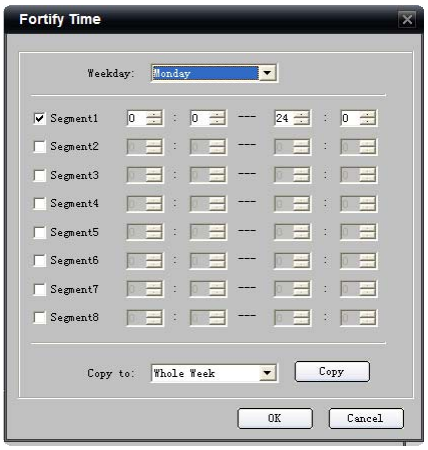
4th step: Set the fortify time for video tampering.

Click “Settings” in “Fortify Time” menu.

Select “Weekday” as some day of the week or the whole week for the fortify time.

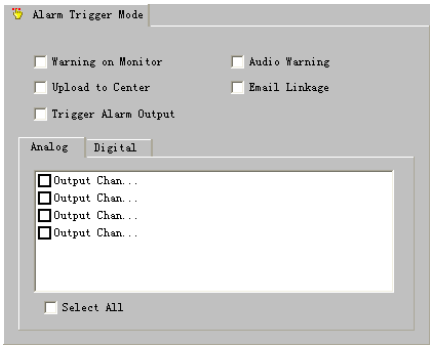
The “All Day Record” or 8 “Segments” can be selected as well.

Note: The time of each segment can not be overlapped.



5th step: Set linkage for video tampering.

Click “Settings” in the “Linkage” menu.

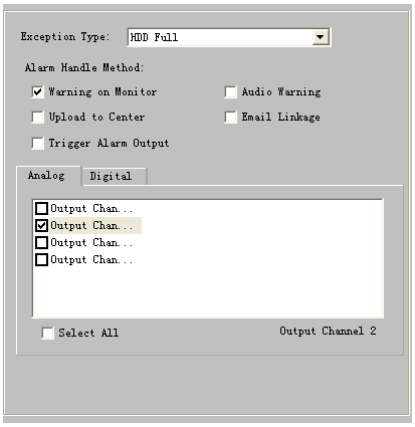


8.2.5 Exceptions

Exception parameters are for the alarm handle of abnormal event, which is including “HDD Full”, “HDD Fault” (HDD errors or HDD not initialization), “Network Broken”, “IP Address Conflict”, “Illegal Access” (user name or password wrong), “Video Output Standard Mismatch” and “Video Signal Exception” (video signal unstable).

Select the exception type and handle method.

Select Exception Parameters to enter configuration interface.

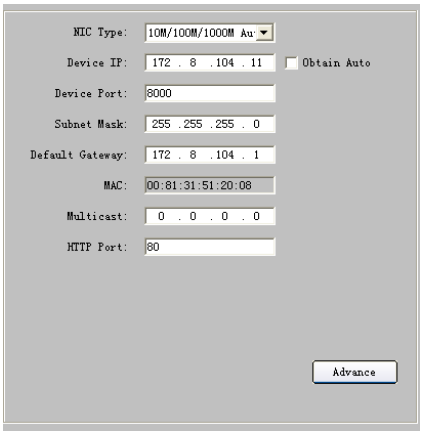


8.3 Network Configuration

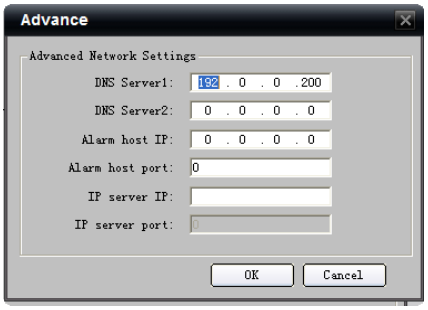
8.3.1 Basic Configuration

Select Network Parameters → Network Settings

Configure the network according to the actual situation. If there is DHCP server in the network, enable “Obtain Auto” and reboot the device to get the IP address under this network segment automatically.



Select “Advance” to enter advanced configuration. You can configure preferred DNS server1 and spare DNS server2, IP address of alarm host and IP server.



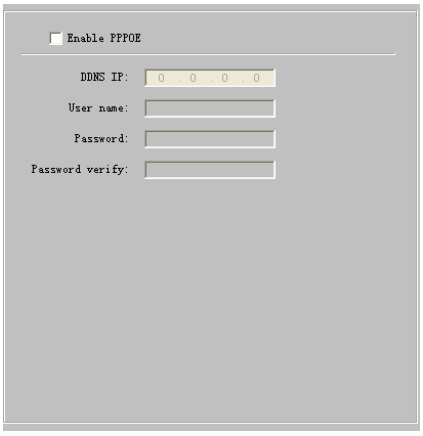
Parameters	Description
DNS1 DNS2	Preferred and spare DNS server
Alarm host	Alarm signal can be uploaded to the IP address automatically
IP sever	IP address of IP server

8.3.2 PPPoE

Select Network Parameters → PPPOE Settings

Enable PPPoE by ticking, input the user name and password, then save the changes and reboot the device to make the parameters become effective.

If succeed to dial, the current IP address will be displayed in the blank “DDNS IP”.



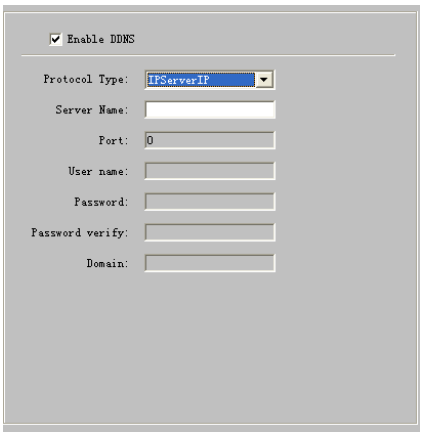
8.3.3 DDNS

Adopting DDNS function can solve the problems caused by dynamic IP.

Click Network Parameters → DDNS Settings

Enable DDNS.

If the “IPServerIP” is selected as protocol, then input the address where the IP server is running.

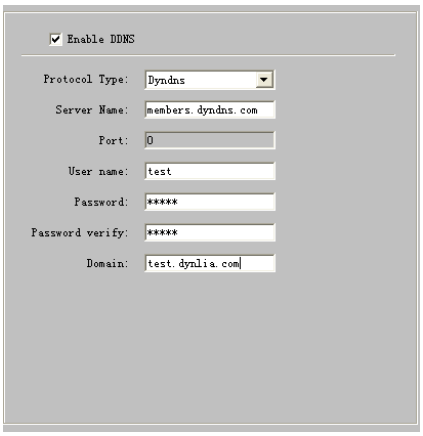


If the “Dyndns” is selected as protocol:

Server Name: Input the IP address of the server, such as members.dyndns.org;

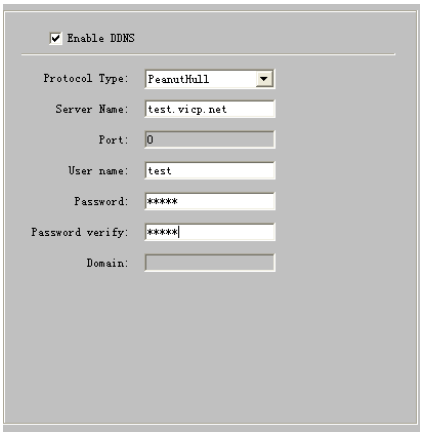
Domain: the domain name that user applied for the device, such as test.dynlia.com;

User name, password and verify: the account information that user registered on the Dyndns website.



If the “PeanutHull” is selected as protocol:

Input the user name and password applied on the Peanut Hull website to visit the device by the applied domain name.



8.3.4 NTP

Adopting NTP function can enable client software to synchronize the time and data of the device regularly.

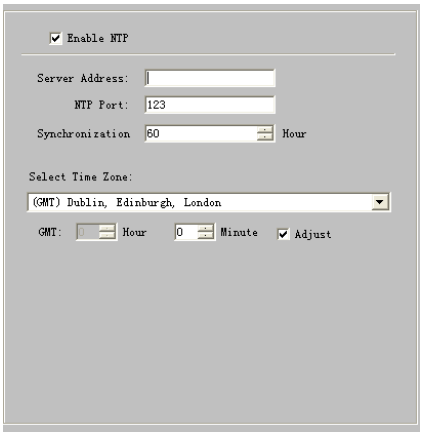
Select Network Parameters → NTP Settings

Tick ☑ to enable NTP function.

Note: Time Synchronization Interval: 0~10080 min (default 60min).

If the device connected to the public network, the IP address of NTP server provided by carrier can be input in the blank “Server Address”;

If the device connected to private network, the IP address of NTP software can be input the blank “Server Address”.



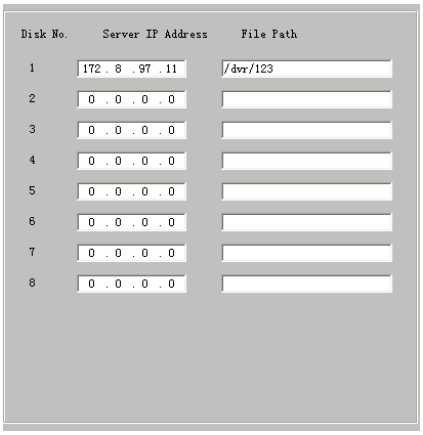
8.3.5 NFS

By NFS configuration, recorded data can be saved to the network storage disk provided by NAS server.

Select Network Parameters → NFS Settings

Input the IP address of NAS server in the blank “Server IP address”; input the saving path allocated by NAS server in the blank “File Path”.

Note: Make sure that the device supports NFS function and NAS server allocated the storage space correctly. DS-9000 device does not support NFS function.



8.3.6 E-Mail

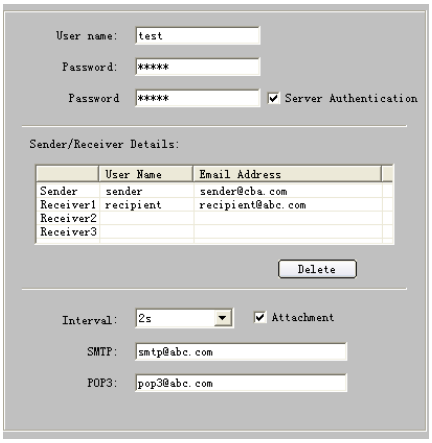
Through E-mail configuration, the e-mail can be sent to the designated mailbox when there is an alarm.

Select Network Parameters → E-mail Settings

If server authentication is needed, enable it (i.e.☑) and input user name and password.

Input the sender and recipient information, if need to send picture, you can enable “Attachment” (i.e.☑).

Note: Make sure that the device supports email function and NAS server allocated the storage space correctly. DS-9000 device does not support email function.

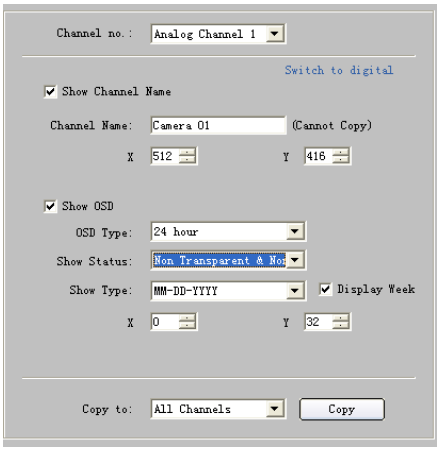


8.4 Channel Configuration

8.4.1 Channel Display Settings

Select Channel Parameters → Display Settings

You can configure channel name, OSD and related parameters here.

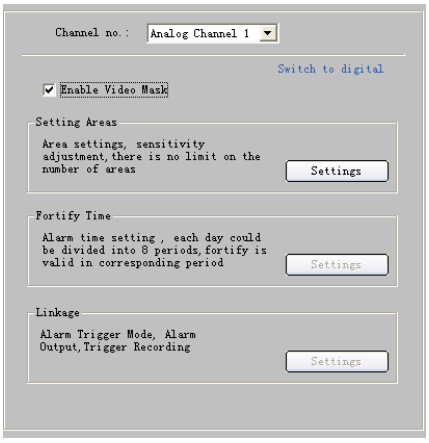


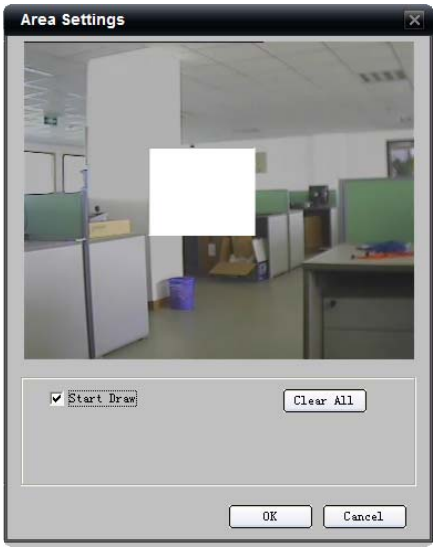
8.4.2 Video Mask

1st step: Select channel number, and enable video mask (i.e.☑).

Select Channel Parameters → Video Mask

Note: If the device is 9000 series, click “Switch to digital” to choose IP channel and configure the parameters.





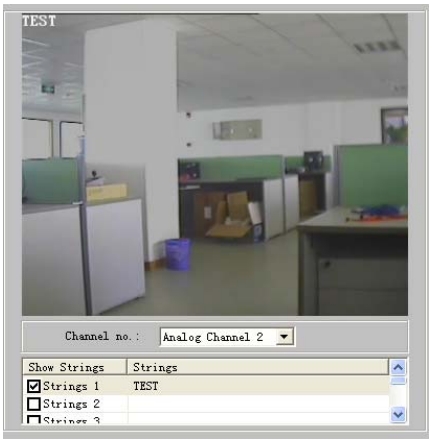
2nd step: Set the mask area.

Click “Settings” to enter area set menu.

Enable “Start Draw” (i.e.), select the mask area by clicking and dragging the mouse.

8.4.3 Text Overlay

You can add characters on the screen of the channel.



Select Channel Parameters → Text Overlay

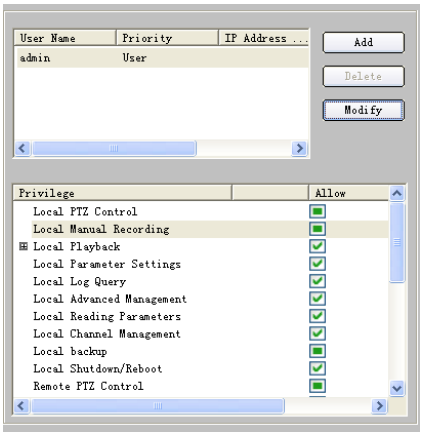
Tick “Strings 1” (i.e.) to enable text overlay, double click the strings area to input the characters you want to overlay on the screen.

Note: If the device is DS-9000, then only analog channel support text overlay.

8.5 Account Management

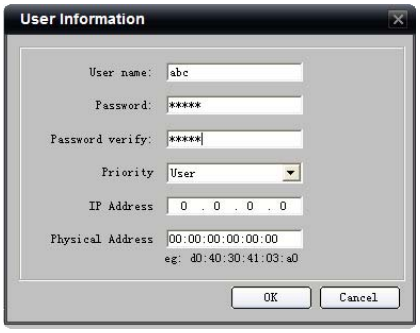
The default user name and password of device administrator are “admin” and “12345”. Administrator can remote add, delete users or distribute authority for users. The new added users are divided into two levels: user and operator. (For “Remote Configuration” privilege, operator has “Voice Talk” right, user does not; for “Channel Configuration” privilege, operator has all the rights, user has local playback, remote playback rights.)

Select Account Management



Click “Add” to add user.

Note: If you set the IP address or physical address, and then only the PC with the same IP address or physical address can visit the device through network.



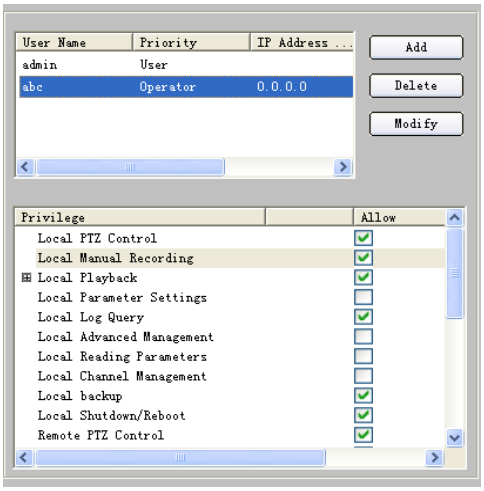
Click “Modify” to change the user name and password; click “Delete” to delete the user.

Status means privilege granted, status means privilege not granted.

If the privileges are related to channels, then status means granting the privileges of all channels; status means granting no privileges of all channels.

Click to unfold the channels, and set the privilege for each channel. If only part of channels have operating privileges, the status will be .

Note: Please refer to the user manual of the device for the detailed descriptions on privileges.

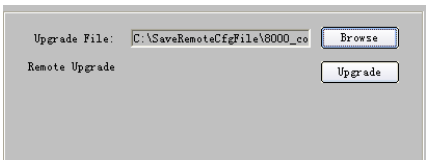


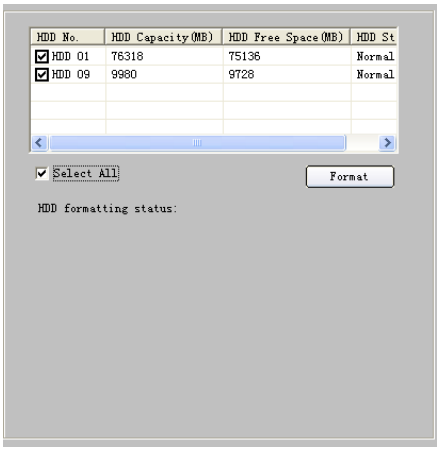
8.6 Others

Remote Upgrade:

Click Update Remotely

Click “Browse” to search the local upgrade file, click “Upgrade” to start upgrade remotely.





HDD Format:

Click HDD Format

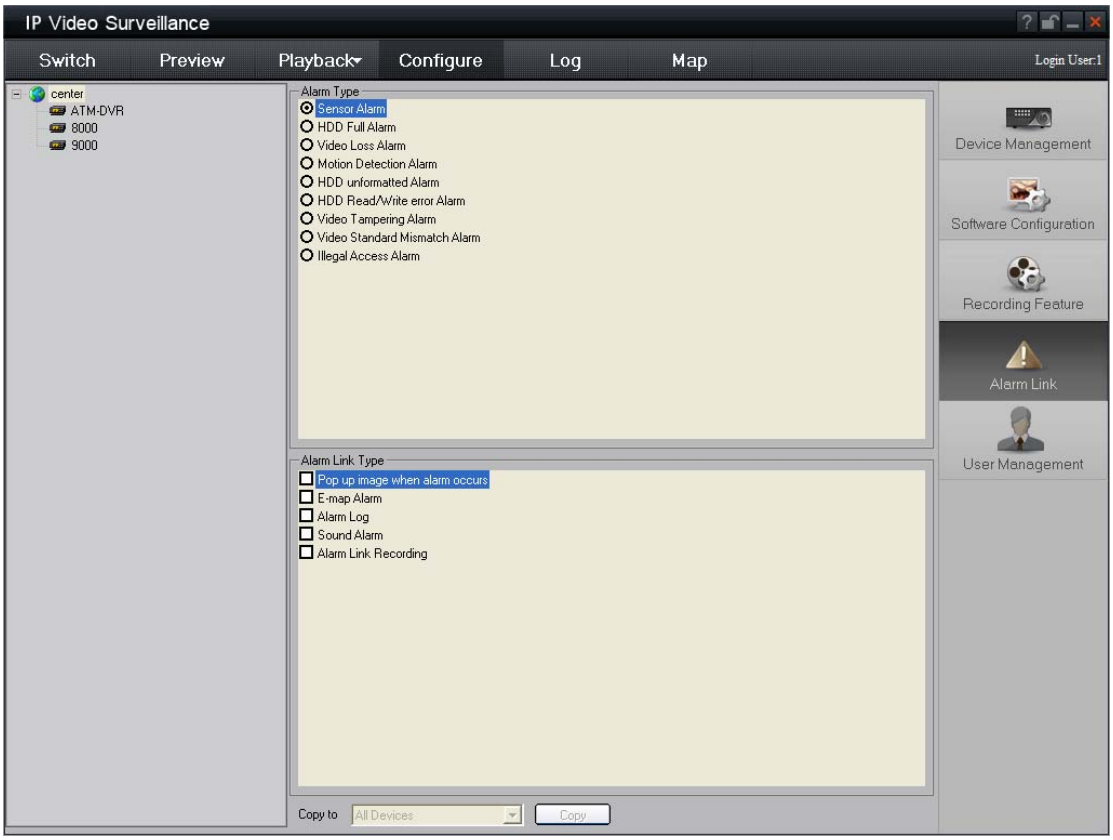
Note: Please backup the data before formatting hard disk.

Chapter 9 Alarm Linkage

According to the various alarm signals uploaded from the device, client software can configure the different linkages for them.

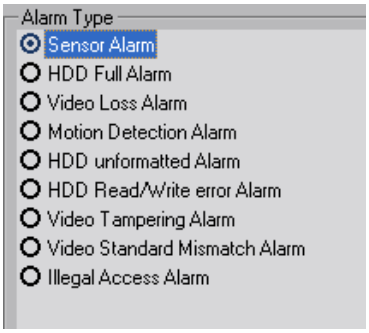
9.1 Linkage Configuration

Path: Configure → Alarm Link

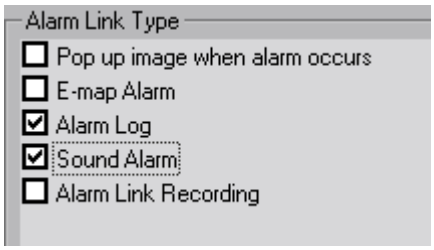


1st step: Select the device from the device area on the left, activate the alarm type and alarm linkage type options.

2nd step: Select the alarm type, after selected, the alarm type status will become .



3rd step: Select the alarm linkage type for the alarm type, and status ☑ means selected.



Descriptions on Alarm Linkage Type

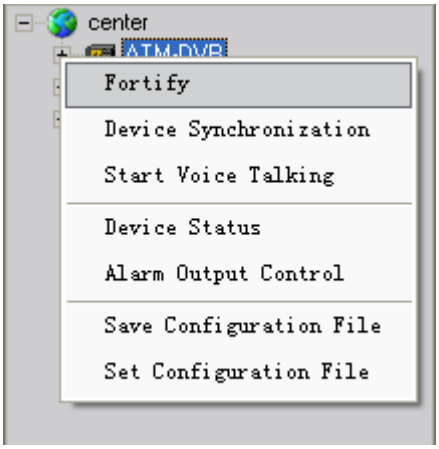
Linkage Types	Descriptions
Pop up image when alarm occurs	Pop up single screen image when alarm occurs
E-map Alarm	When alarm occurs, the related hotspot in the e-map twinkles
Alarm Log	Record a log on the alarm information when alarm received
Sound Alarm	Alarm triggers local alarm sound
Alarm Link Recording	Alarm triggers local recording of alarm channel

Note: Before alarm linkage configuration, the alarm schedule and handle method of the device are required to set correctly.

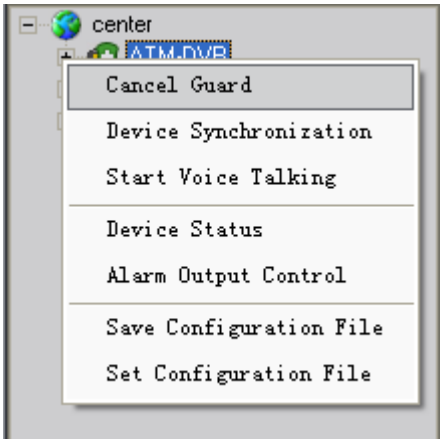
9.2 On Guard & Off Guard

You can choose “On Guard” and “Off Guard” to decide whether to handle alarm signal or not.

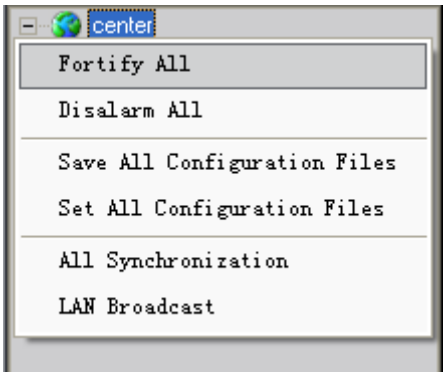
Right click the device name in the preview mode, and select “Fortify” to enable to monitor the alarm of the device; and the icon of the device will become as .



If the device is on guard, right click the device name, you can select the “Cancel Guard” to cancel monitoring the alarm of the device.



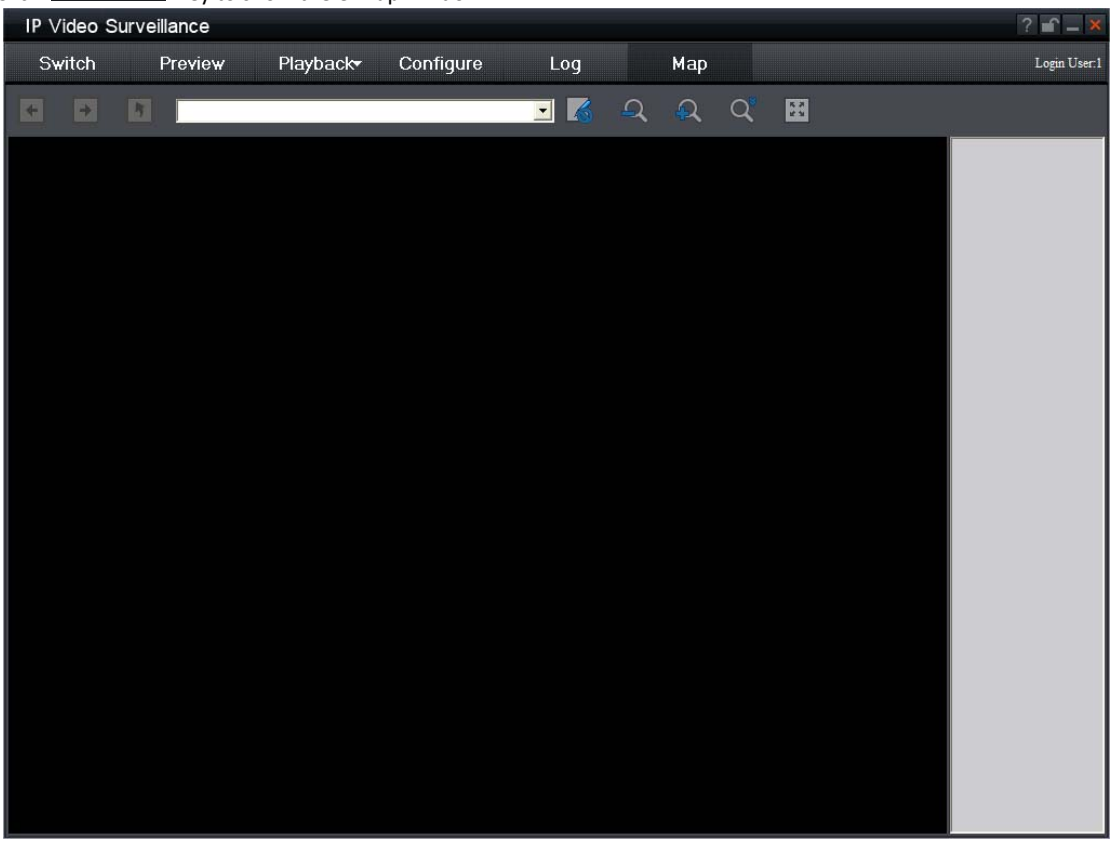
Right click the area name, select “Fortify All” or “Disarm All” for the whole devices of the device.



After the device or the area fortified, the alarm linkage will become effective when there is an alarm of the device.

Chapter 10 E-Map

Click Map key to show the e-map window.



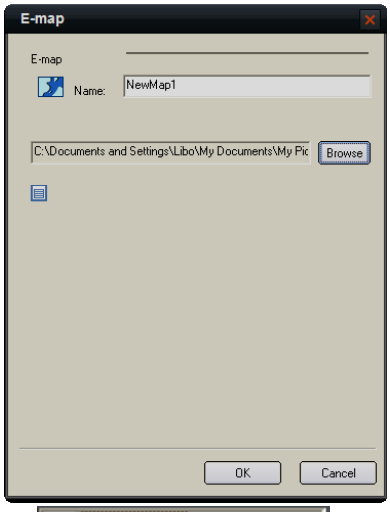
Toolbar Buttons Descriptions:

Buttons	Descriptions		Buttons	Descriptions
	Enable/Disable Map Edit			Enter/Exit Full Screen
	Zoom Out			Previous Page
	Zoom In			Next Page
	Zoom Adjustment			Upper Level

10.1 Add Map

1st step: Click button to enter map edit mode, the cursor will become as

2nd step: Right click the black area and select “Add Map” (or click button to display Map Info Area and right click the area and select “Add Map”), then the add map window will pop up.

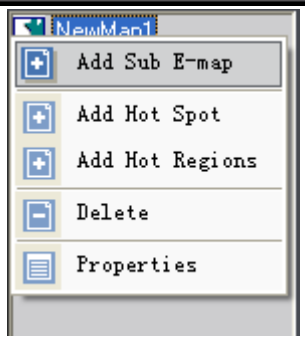


3rd step: Add the map.

Click “Browse” to search the image file on the local PC.

Click “OK” after renaming the file to finish.

Note: Supported file formats are BMP & JPEG.



4th step: Add sub map, right click the image name in the map info area or the image itself, and the sub menu will pop up.

Select “Add Sub E-map” to add sub map.

Select “Properties” to change the map name and image file.

Select “Delete” to delete the selected map.

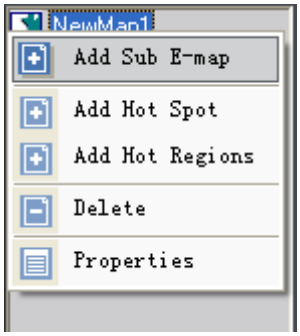
10.2 Map Configuration

Map configurations need to be done under the map edit mode.

10.2.1 Hot Spot

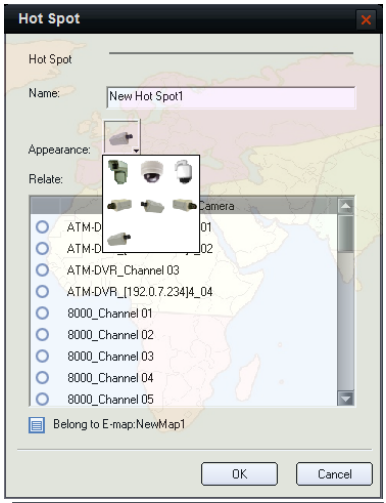
Through hot spot configuration, user can mark out the location and live view of the monitoring points on the e-map.

10.2.1.1 Add Hot Spot

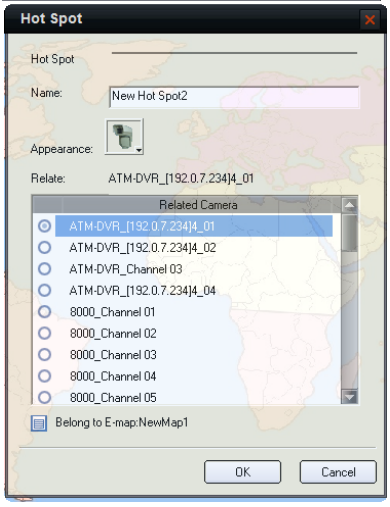


1st step: Enter add hot spot interface.

Right click the image name in the map info area or the image itself, and select “Add Hot Spot”.



2nd step: Input the name of hot spot, click  and select the icon for hot spot.



3rd step: Select the channel you want to relate to in the list “Related Camera”, and press “OK” to finish.

After succeed to add hot spot, move the mouse to the icon of hot spot, it will become as  , and you can move the hot spot by pressing left button and dragging.

If the alarm links to e-map is set as alarm handling method, in the non-edit mode the hot spot will twinkle when there is an alarm of related channel triggered. Double click the hot spot; the live image of the related channel will pop out.

10.2.1.2 Edit Hot Spot

In the edit mode right click the icon of the hot spot, the edit menu will pop up.

Select “Delete” to delete the hot spot; select “Properties” to change the name, appearance and related monitoring point of the hot spot.

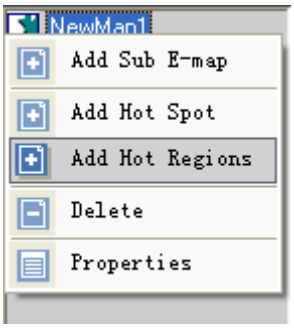
10.2.2 Hot Region

Hot region configuration can be used for displaying the sub map in the main map.

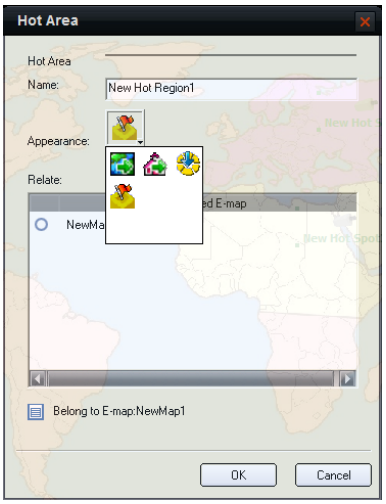
10.2.2.1 Add Hot Region

1st step: Enter hot region adding interface.

Right click the image name in the map info area or the image itself, and select “Add Hot Regions”.

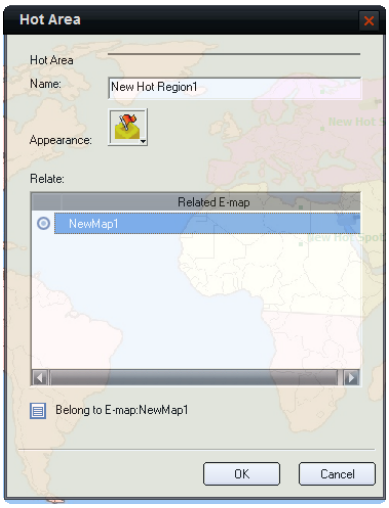


2nd step: Input the name of the hot region, click  button to select icon for hot region.



3rd step: Select the map from the “Related E-map” list, and press “OK” to finish.

After succeed to add hot region, move the mouse to the icon of hot region, it will become as  , and you can move the hot region by pressing left button and dragging.



After hot region related to the map, double click the hot region icon in the non-edit mode will show the related map.

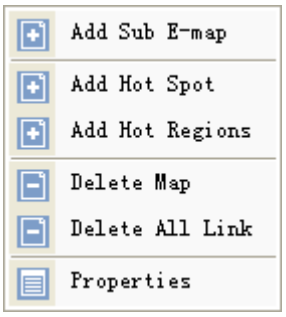
Note: You can not edit map unless in the edit mode.

10.2.2.2 Edit Hot Region

In the edit mode right click the icon of the hot region, the edit menu will pop up.

Select “Delete” to delete the hot region; select “Properties” to change the name, appearance and related map of the hot region.

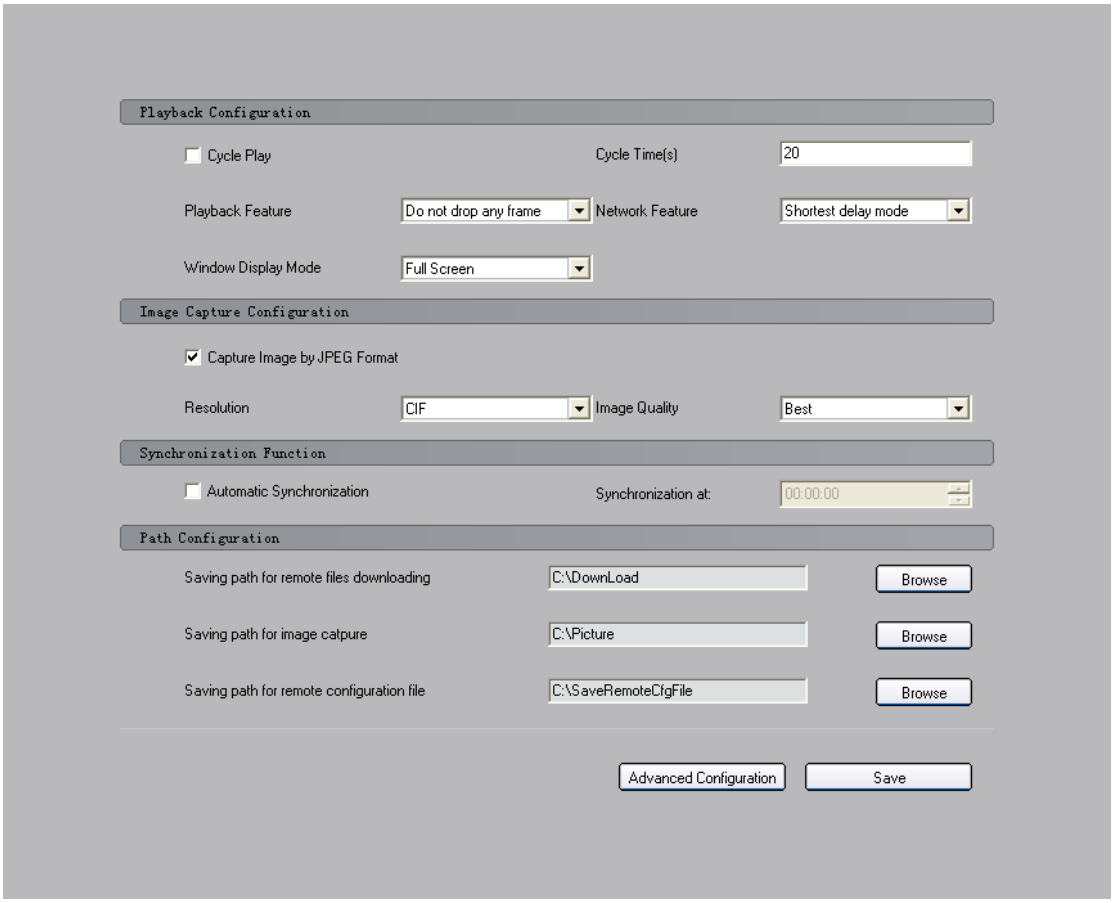
Right click the map in the edit mode, select “Delete All Link” to delete the all hot spot and region of the map.



Chapter 11 Utilities

11.1 Software Configuration

Click Configure → Software Configuration

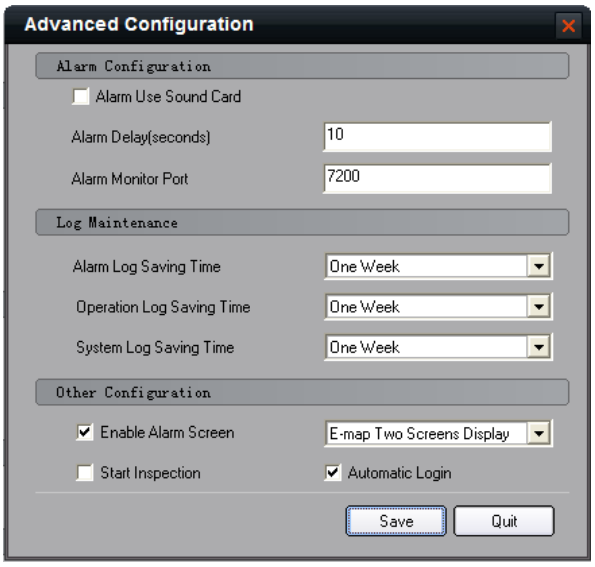


Descriptions on Software Configuration:

Software Configuration	Descriptions	Descriptions
Playback Configuration	Cycle Play	☑means enable it
	Cycle Time	Set the time of cycle play
	Playback Feature	Configure the playback performance, whether to drop B frame
	Network Feature	Set the instantaneity and fluency for preview
	Window Display Mode	Set the display ratio of preview window
Image Capture	Capture Image by	☑means JPEG format

Configuration	JPEG Format	☐ means BMP format Image resolution and quality can be configured
Synchronization Function	Auto Synchronize	☑ means enable it, and user can set the time for synchronization
Path Configuration	Remote Download Path	Set the path for remote downloading recorded files
	Capture Saving Path	The saving path of captures from preview or playback
	Configuration File Saving Path	The saving path for exporting the configuration file

Click “Advanced Configuration” to enter alarm configuration, log maintenance and other configurations.

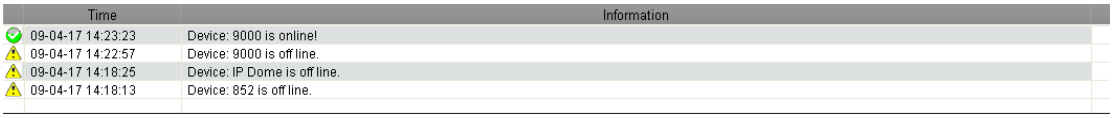


Descriptions on Advanced Configuration:

Advanced Configuration	Descriptions	Descriptions
Alarm Configuration	Alarm Use Sound Card	☑ means audible alarm outputs from sound card
	Alarm Delay	Set the time length of the alarm delay
	Alarm Monitoring Port	The port used for the device to upload alarm actively, which needs to the same with device configuration.
Log Maintenance	Alarm Log Saving Time	The retention period of the alarm log in the database
	Operation Log Saving Time	The retention period of the operation log in the database
	System Log Saving Time	The retention period of the system log in the database
Other Configuration	Enable Alarm Screen	Pop up the warning dialog box when error occurs
	E-map Two Screen Display	Select two screen display for e-map or remote playback
	Start Inspection	☑ means start to inspect the status of the current devices
	Auto Login	☑ means enable it

After enable inspection, if the device is offline, then the alarm light will twinkle, and the detailed information will be listed; if the device is on line, the alarm light stop twinkling and the on line information will be listed as

well.

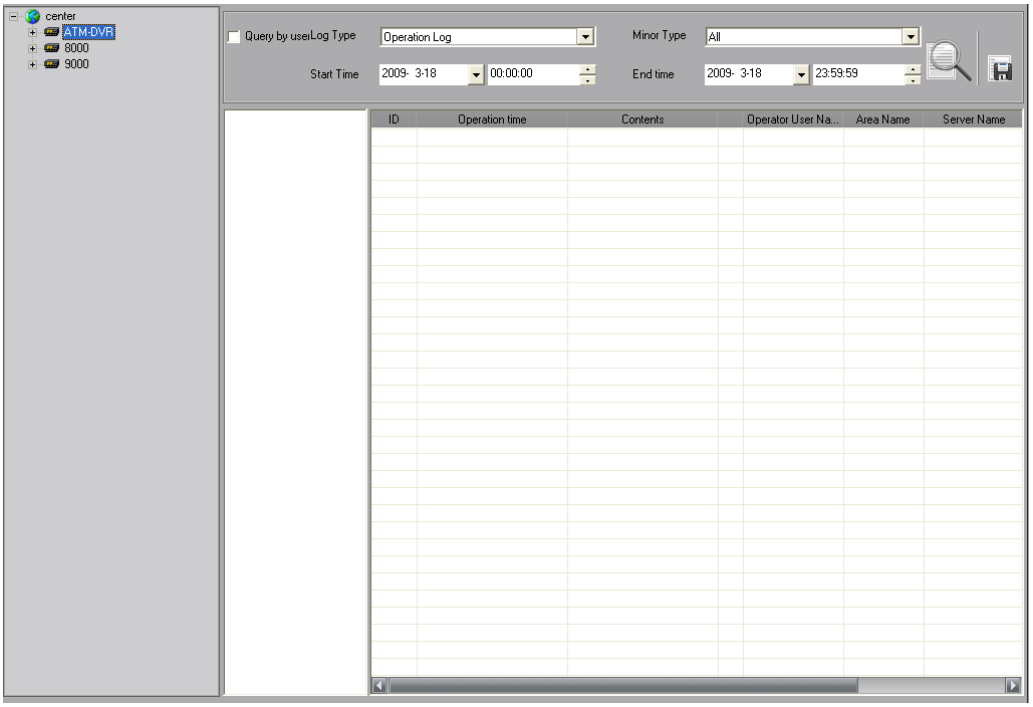


11.2 Log Management

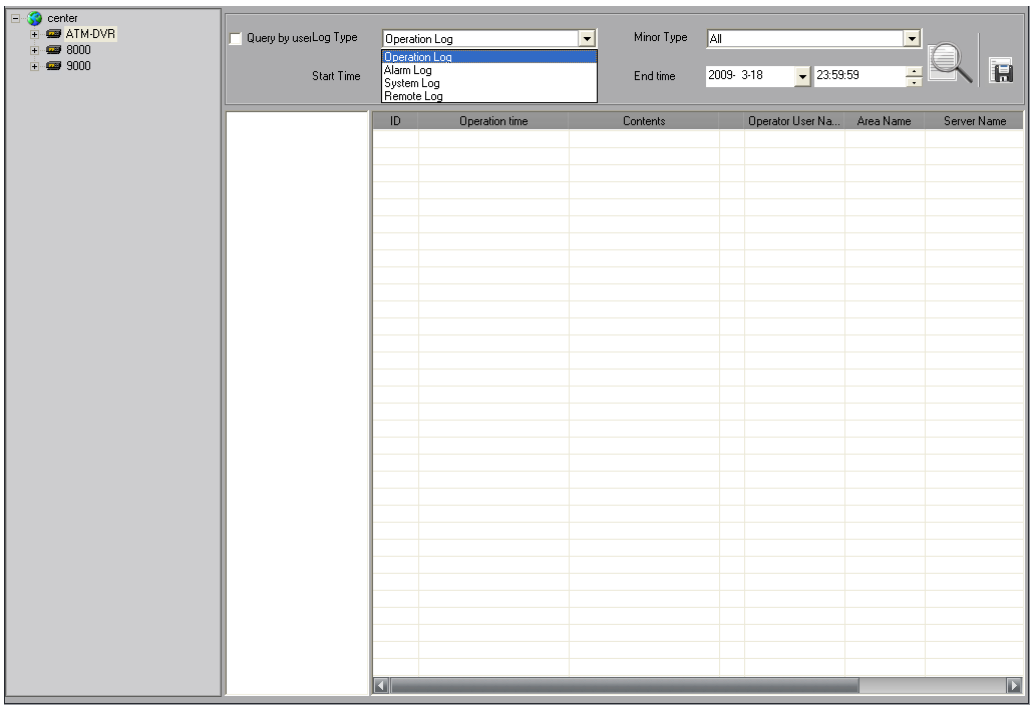
Click Log to enter the manage interface

11.2.1 Log Query

1st step: Select the area, device or channel you want to search from.



2nd step: Select type and subtype for the log you want to search for.



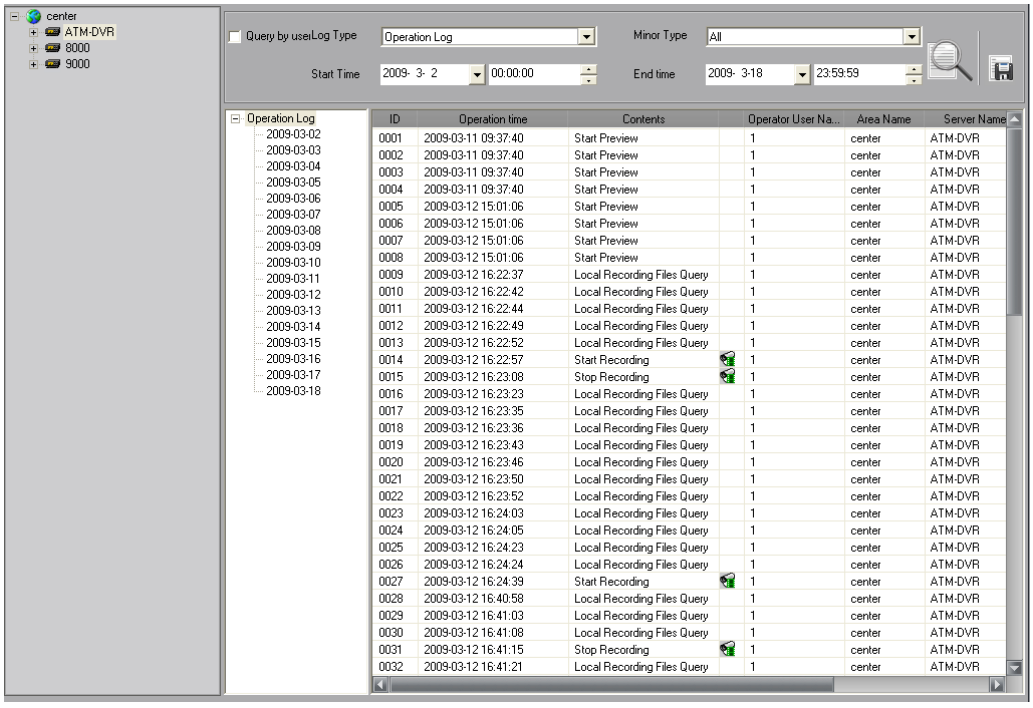
System Log: Record information on login, logout and software configuration.

Operation Log: Record information on the software operation.

Alarm Log: Record information on the alarm and it needs to be linked as alarm link type.

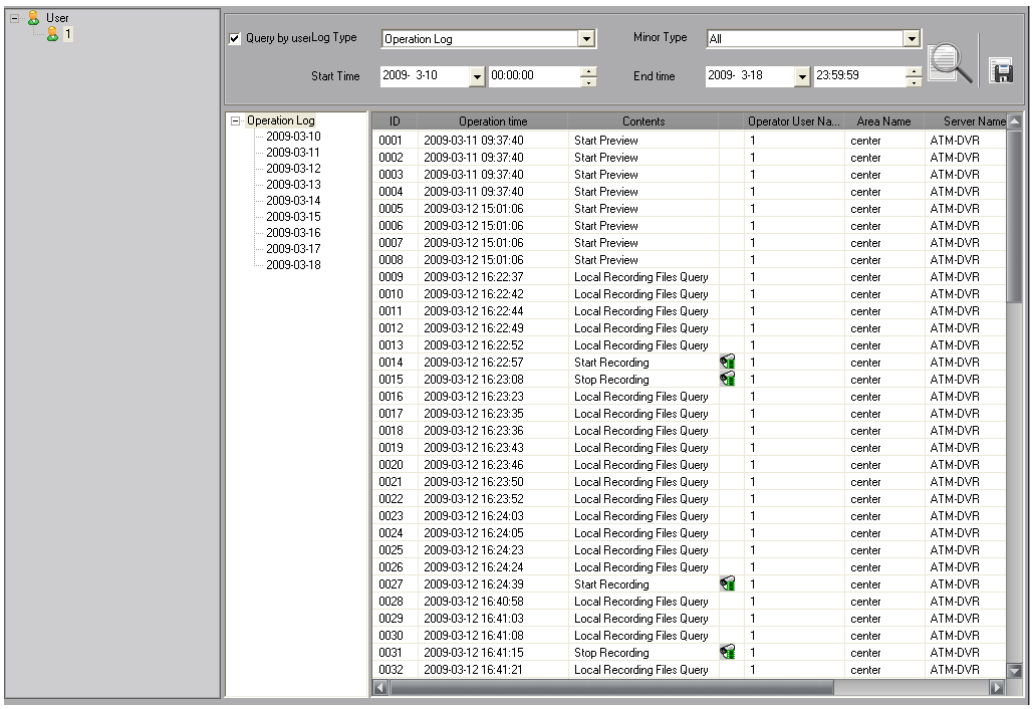
Remote Log: Record information on operations of the remote device.

3rd step: Select the start time and end time for the log query, click  button and the logs match condition will show in the list.



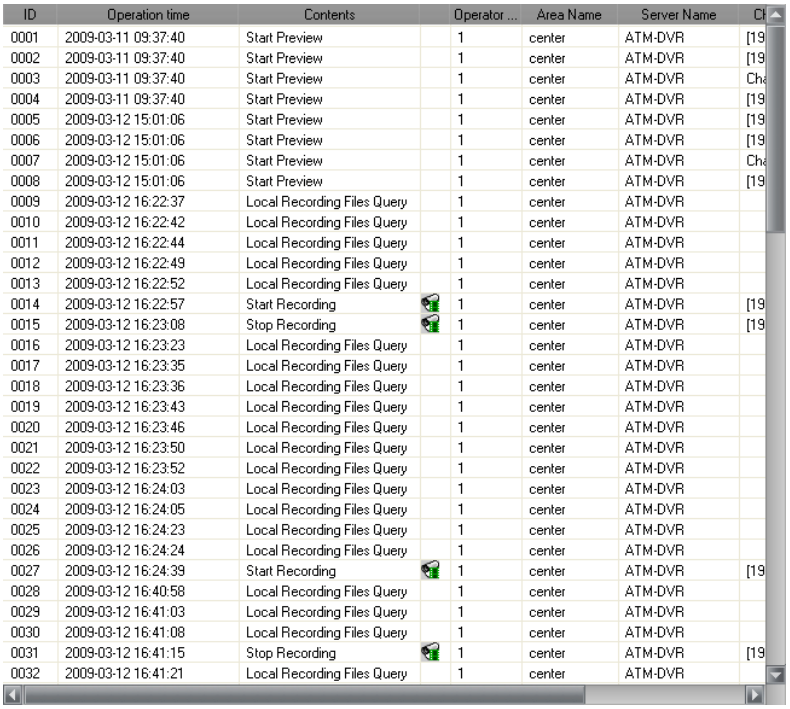
Double click the date in the list on the left, the logs of that day will show in the information list.

Enable “Query by user” (i.e. ), and you can search log by users.



11.2.2 Playback Linked Recordings

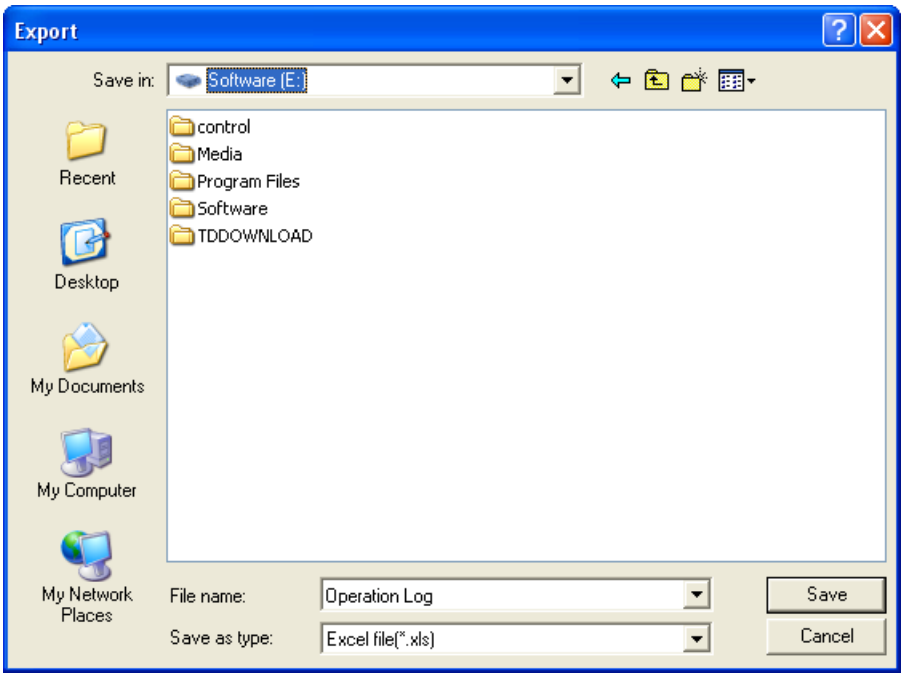
If the logs contain linked recordings, then you can play them back.



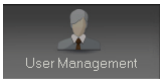
Click icon in the list to play back the linked recordings.

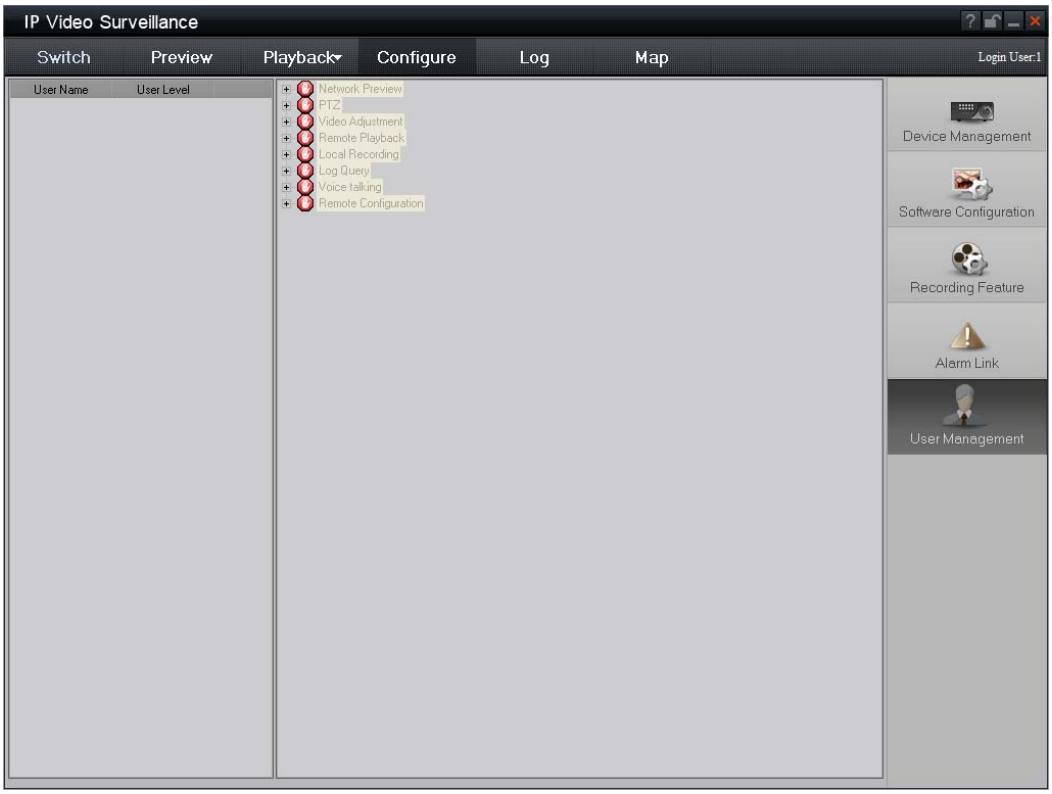
11.2.3 Export Log

Click  button to export current logs as Excel or Txt format.



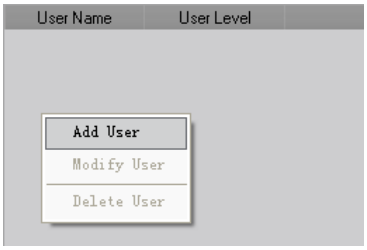
11.3 User Management

Click  → 



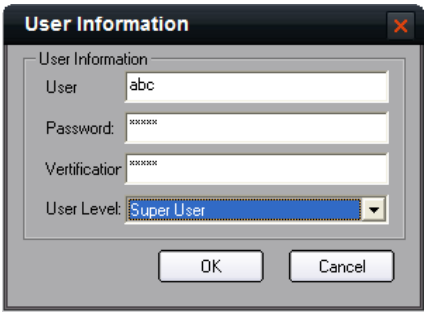
11.3.1 Add & Delete User

Right click the user list on the left, and select “Add User”.



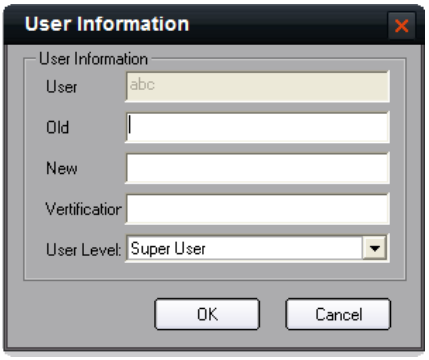
Input the user name, password and select the level for user, then click “OK” to finish.

There are two options for user level: Super User and Guest. Super User has all the rights by default; as for Guest, you need to set the rights for it.



Double click the user name or right click it and select “Modify User” to change the password and user level.

Note: The administrator registered when the software ran for the first can change password and user level; super user can change user password, guest has no rights on user management.



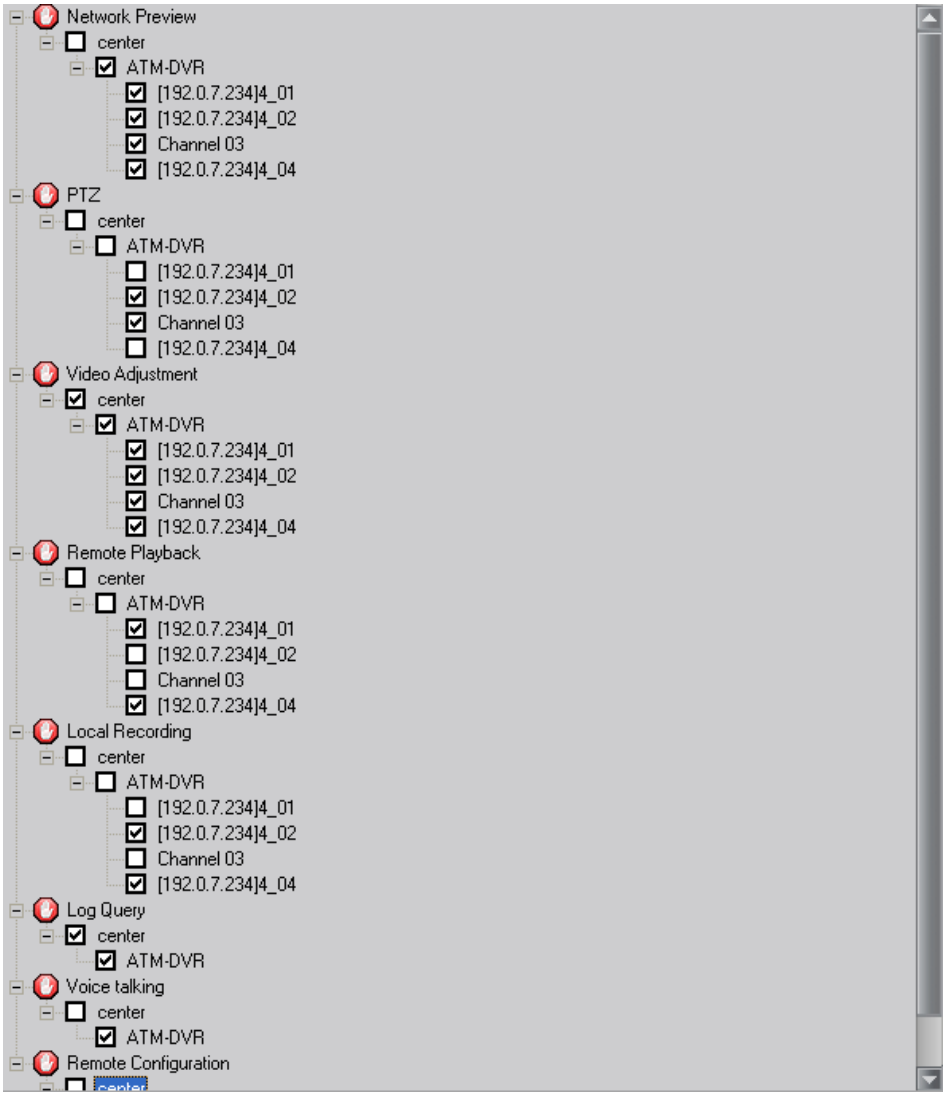
User Privileges Descriptions:

User Type	Privilege	Descriptions
Registered User	Add user	Add super user and normal user
	Modify user	Modify the levels of all users and privileges of normal users
	Operation Privilege	With all privileges by default, can not be changed.
Super User	Add user	Add normal user
	Modify user	Modify the privileges of normal users
	Operation Privilege	With all privileges by default, can not be changed.
Others	Add user	No privileges
	Modify user	No privileges
	Operation Privilege	No local configuration privileges, needs to set the privileges first.

Note: The administrator can be modified in the login dialog box instead of the user management.

11.3.2 User Rights Distribution

Select a guest, and click the rights tree on the right to distribute the rights for user.



Note: The operations are available for the guest only when the corresponding rights are distributed.