

Intelligent Video Integrated Management Platform Software V2.0

User Manual

Content

I Product Introduction.....	1
1. Product Summary.....	1
2. System Topology.....	2
3. Convention	2
4. System Operation Environment	3
II Software Introduction.....	4
1. Main Interface Introduction	4
1.1 Preview	4
1.1.1 Preview Interface	4
1.1.2 Open Preview	5
1.1.3 Stop Preview	6
1.1.4 Window Display Mode Switch	6
1.1.5 Full-screen Display	7
1.1.6 Single Channel Full-screen Display.....	7
1.1.7 Capture.....	7
1.1.8 Open Audio Preview	7
1.1.9 Close Audio Preview.....	8
1.1.10 Instant Replay.....	8
1.1.11 Screen Mode	8
1.1.12 Preview Digital Zooming	8
1.1.13 Device Group Preview.....	9
1.1.14 PTZ Control.....	11
1.1.15 Preset, Cruise, Auxiliary and Platform Protocol Settings	12
1.1.16 Color Control.....	13
1.2 Playback.....	14
1.2.1 Video Playback Interface	14
1.2.2 Video Search	14
1.2.3 Video Playback.....	15
1.2.4 Single Channel Full-screen Playback	16
1.2.5 Video File Editing	16
1.2.6 Video File Download.....	16
1.2.7 File Management	17
1.2.8 Capture.....	18
1.2.9 Playback Digital Zooming	18
1.3 Electronic Map.....	18
1.3.1 Electronic Map Interface.....	18
1.3.2 Open the Map	19
1.3.3 Map Zoom-in and Zoom-out.....	19
1.3.4 Close the Map	20
1.3.5 Electronic Map Channel Preview	20
1.3.6 Electronic Map Video Playback.....	21
1.3.7 Electronic Map PTZ Control.....	22
1.3.8 Group Preview.....	22
1.4 TV Wall.....	23
1.4.1 TV Wall Management Interface	23
1.4.2 TV Wall Video Preview	24
1.4.3 Device Configuration in TV Wall Area	25
1.4.4 TV Wall Preview and PTZ Control.....	26

1.4.5 TV Wall Playback	27
1.4.6 Matrix Server Quota and Matrix Name Modification	29
1.5 Operation Log	31
1.5.1 Operation Log Interface	31
1.5.2 Alarm Log	31
1.5.3 Operate Log.....	32
1.6 System Configuration.....	33
1.7 Device Management.....	34
1.7.1 Add New Area	34
1.7.2 Modify Area	35
1.7.3 Delete Area	36
1.7.4 New Device	36
1.7.5 Modify Device	36
1.7.6 Delete Device	37
1.7.7 Obtain STS Device Parameter.....	37
1.7.7.1 STS Parameter Setting	37
1.7.7.2 Storage Setting	38
1.7.7.3 Static Route Setting	39
1.7.7.4 Record Plan.....	39
1.7.7.5 Record Status.....	41
1.7.8 Device Refresh.....	41
1.7.9 Device Timing.....	41
1.8 User Management.....	41
1.8.1 User Manage Interface.....	41
1.8.2 New User.....	42
1.8.3 User Right.....	43
1.8.4 Modify User	44
1.8.5 Delete User	44
1.8.6 Channel Password (Administator Password Modification)	44
1.9 Alarm Setting	45
1.9.1 Alarm Linkage Interface	45
1.9.2 New Linkage	45
1.9.2.1 Alarm Input.....	45
1.9.2.2 Motion Detect Alarm.....	49
1.9.2.3 Video Cover Alarm	50
1.9.2.4 Video Loss	51
1.9.3 Delete Linkage.....	51
1.9.4 Start Linkage.....	51
1.9.5 Stop Linkage	52
1.9.6 Refresh	52
1.10 Map Configuration.....	53
1.10.1 Create Map.....	53
1.10.2 Open Map	53
1.10.4 Modify Map.....	55
1.10.5 Delete Map.....	55
1.10.6 Map Zoom-in and Zoom-out.....	55
1.10.7 Video Source and Linkage Source Schedule	56
III Application Scene.....	57
Scene 1	58
Scene 2	59
Scene 3	60
Scene 4	61

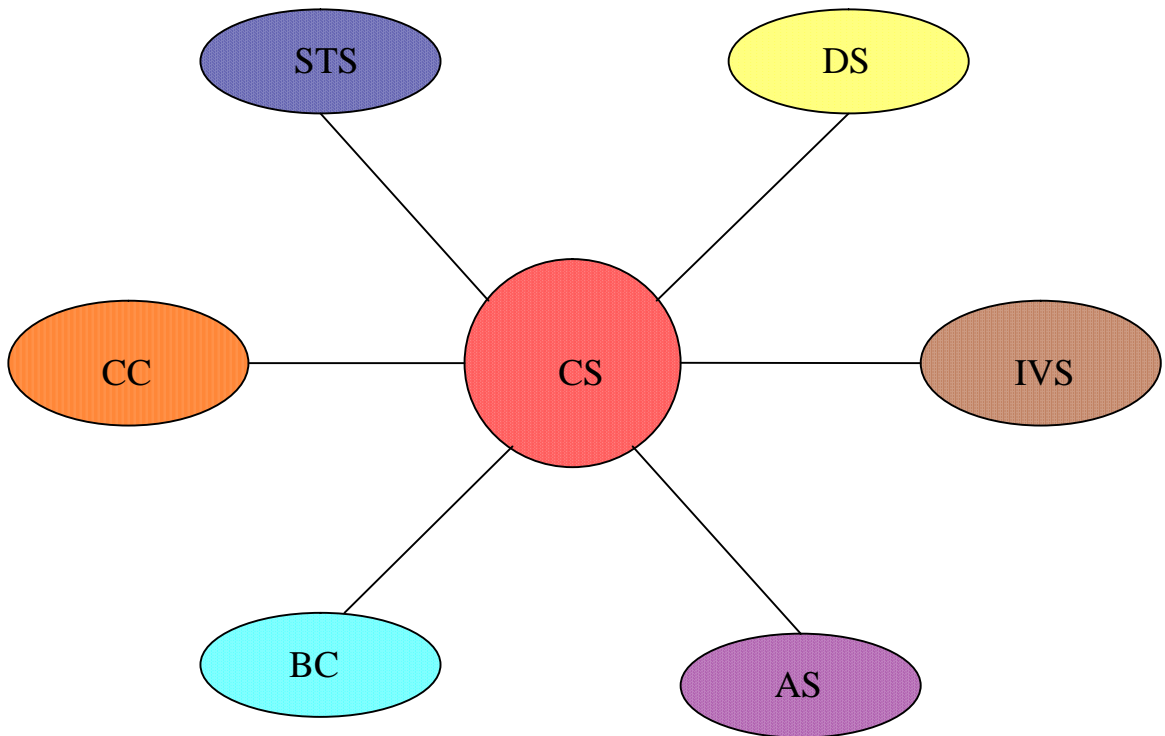
I Product Introduction

1. Product Summary

Intelligent Video Integrated Management Platform Software V2.0 is a distributed network management system which includes central management server, network storage and forwarding server, network intelligent video analysis server, network video decoder, network alarm server, network configuration client software and network browse client software. The main functions include:

- 1) The common devices in the centralized management video surveillance(including DVR, DVS, IP camera etc.) provide unified management interface in the center end to configure the front-end devices and intensively store the video and audio data stream generated by the front-end devices.
- 2) Through browsing the client, provide unified browse interface to browse the real time image, search and playback the historical data.
- 3) Through intelligent video analysis on the critical video data to search, recognize and track the moving object in the monitoring scene, and carry out intelligent behavior analysis on the moving object, judge and forecast its path of movement, give an alarm against the object moving behavior which has broken the setting rule, and realize active security safeguard in the monitoring area.
- 4) Control network decoder decodes the specified video data and output to the TV wall, realizing big screen monitoring.
- 5) Forward the alarm information of the front-end device to the alarm server through the central end. The alarm server controls the alarm device and do corresponding alarm linkage, such as 110 linkage, send SMS and send e-mail and so on.

2. System Topology



3. Convention

Abbreviation	Full Name
CS	Central Server
STS	Storage Transmission Server
DS	Decode Server
IVS	Intelligent Video Server
AS	Alarm Server
CC	Configuration Client
BC	Browse Client
DVR	Digital Video Recorder
DVS	Digital Video Server
IP Camera	IP Camera

4. System Operation Environment

1) CS:

Operating system: Microsoft Windows 2000 or higher

CPU: Intel Pentium IV 2.0 GHz or higher

Memory: 1G or bigger than 1G

Ability: Support at least 500pcs front-end devices.

2) STS:

Operating system: Ubuntu9.1.0

CPU: Intel Pentium IV 2.0 GHz or higher

Memory: 1G or more

Capacity: support at least 64ch front-end video.

3) DS:

Operating system: WinXp

CPU: intel Atom cpu

Memory: 1G

Ability: Support at least 6 channel D1 decode

4) IVS:

Operating system: WinXp

CPU: intel Dual-core 2.8 or higher

Memory: 2G or bigger than 2G

Ability: support at least 16 channel D1 intelligent video analysis

5) AS:

Operating system: WinXp

CPU: intel Atom cpu

Memory: 1 G

Capacity: support multiple alarm output devices

6) CC:

Operating system: Microsoft Windows 2000 or higher

CPU: Intel Pentium IV 2.0 GHz or the above model numbers.

Memory: 1G or bigger than 1G

Ability: the number of the front-end devices supported is unlimited

7) BC:

Operating system: Microsoft Windows 2000 or higher

CPU: intel dual-core 2.8 or higher

Memory: 1 G or more

Capacity: Support at least 16 channels D1 real-time preview.

II Software Introduction

1. Main Interface Introduction

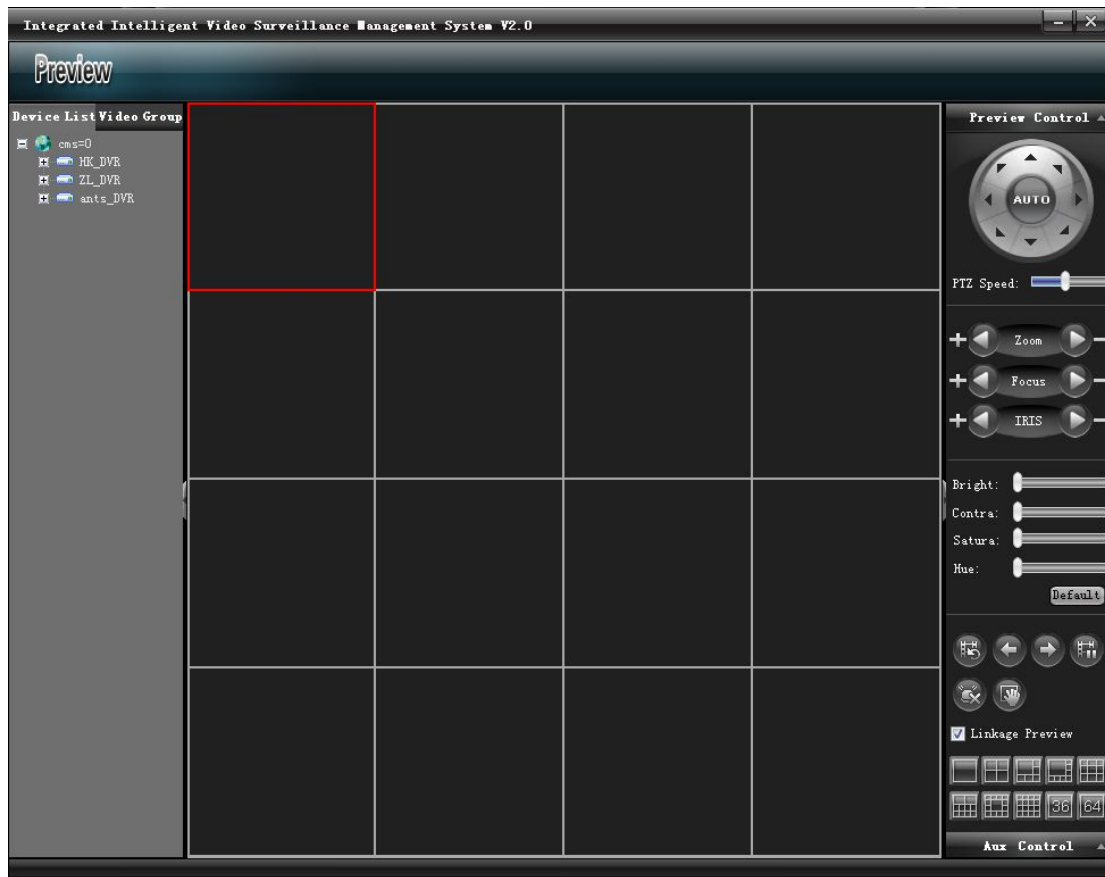
The main interface is divided into ten parts, as shown below:



1.1 Preview

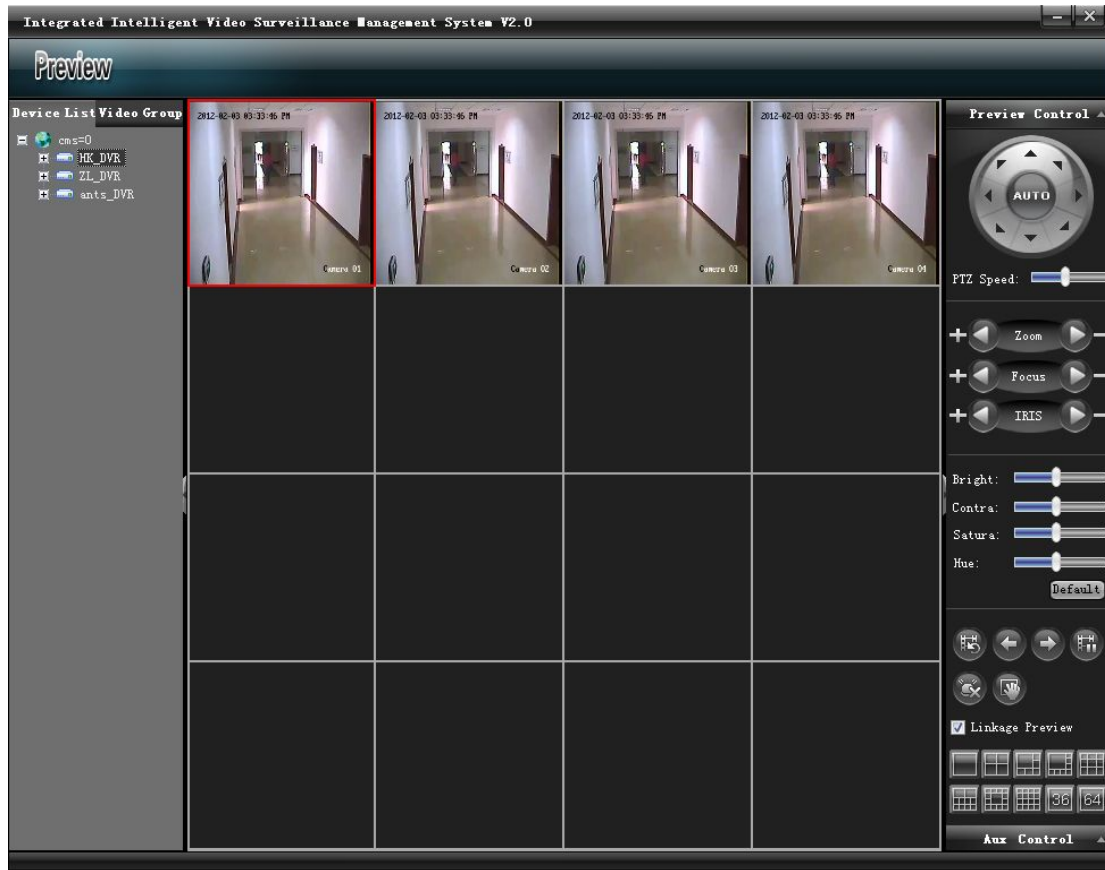
1.1.1 Preview Interface

Click "Preview" to enter the video preview page, as shown below:



1.1.2 Open Preview

Double-click video the device channels in the device list on the left (or click the right mouse button on the device channels, and select “Open All Preview”) to open the device channel preview, as shown below:



1.1.3 Stop Preview

Select the channel you want to stop on the preview interface, single-click the right mouse button, and then single-click “Stop Preview” or “Stop All Preview” on the pop-up menu, and all channels will be stopped.

1.1.4 Window Display Mode Switch

Click the window display mode switch buttons in the control bar on the right side of the preview window, you can choose 1-picture, 4-picture, 6-picture, 8-picture, 9-picture, 10-picture, 13-picture, 16-pcture, 36-picture and 64-picture display mode, as shown below:




1.1.5 Full-screen Display

Click the right mouse button on the preview channel, single-click “Full screen”(or press the Esc key on the keyboard) on the pop-up menu, the preview image will full-screen display. Press the Esc key on the keyboard again will exit the full screen display.

1.1.6 Single Channel Full-screen Display

Double-click any channel on the preview interface(or single-click to select any channel on the preview interface and then click the right mouse button, choose “Single screen” on the pop-up menu), the selected channel will full-screen display. Double-click again will exit the full-screen mode.

1.1.7 Capture

Single-click to select any channel on the preview interface, click the right mouse button, select “Capture” on the pop-up menu(or click the “” button at the bottom of the preview interface), and the pictures will be put in the specified folder, as shown below:



1.1.8 Open Audio Preview

Single-click to select any channel on the preview interface, click the right mouse button, and select “Audio Preview” on the pop-up menu, the audio of the selected channel will be turned on.

1.1.9 Close Audio Preview

Single-click to select any channel whose audio has been turned on on the preview interface, click the right mouse button, and again select "Audio Preview" on the pop-up menu, the audio of the selected channel will be turned off.

1.1.10 Instant Replay

Select the channel you want to playback on the preview interface, click the right mouse button, single-click "Instant Replay" to playback the video of this channel on the pop-up menu.

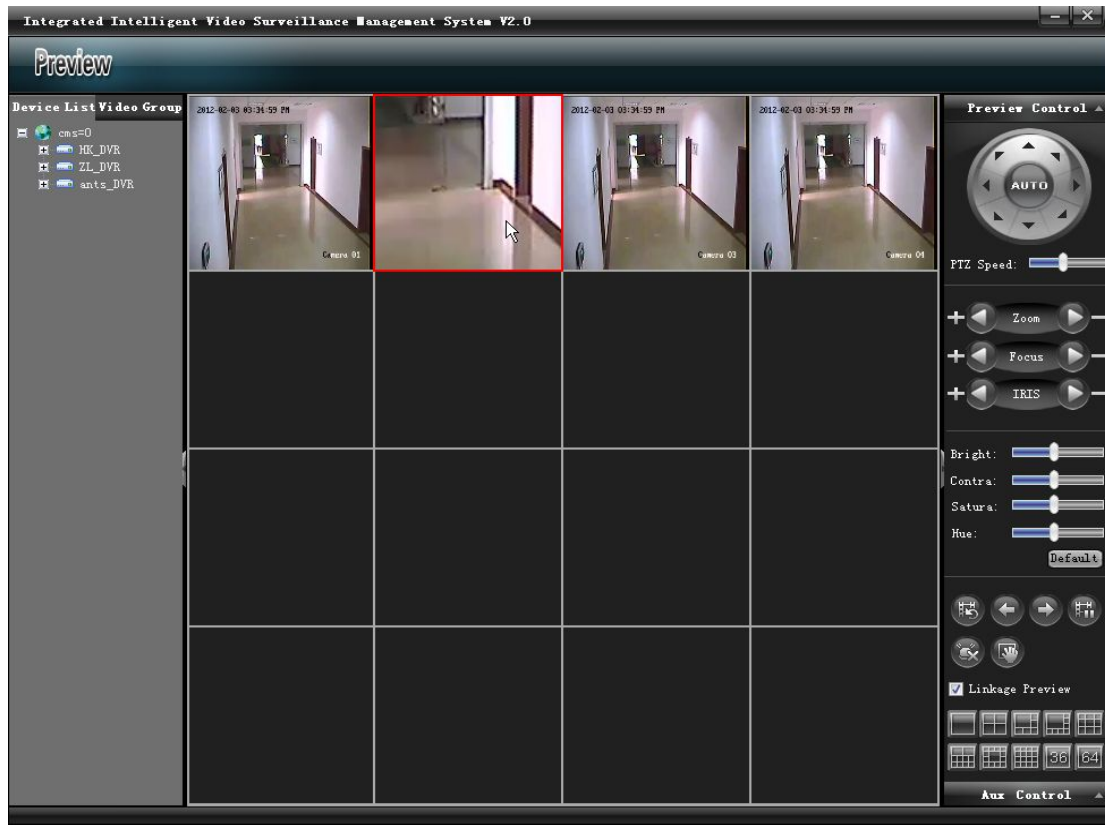
Note: (The time of instant playback is set in the "System Config". For details, please refer to the system configuration introduction in the user manual of the DVR)

1.1.11 Screen Mode

Click the right mouse button on the preview interface, and single-click "Screen mode" on the pop-up menu, you can switch the modes(4:6, 16:9 and fill) of the preview window.

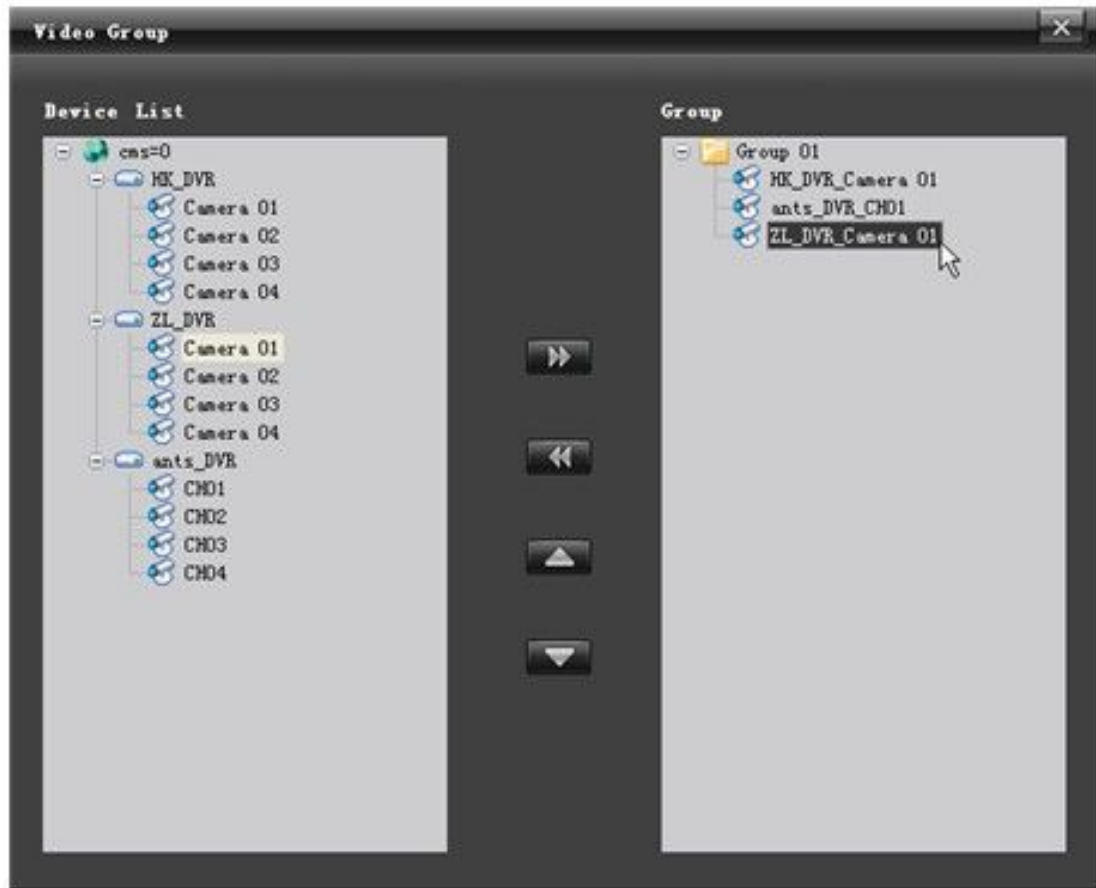
1.1.12 Preview Digital Zooming





Select the channel you want to zoom-in on the preview interface, roll the mouse wheel to realize the digital zooming, as shown below:

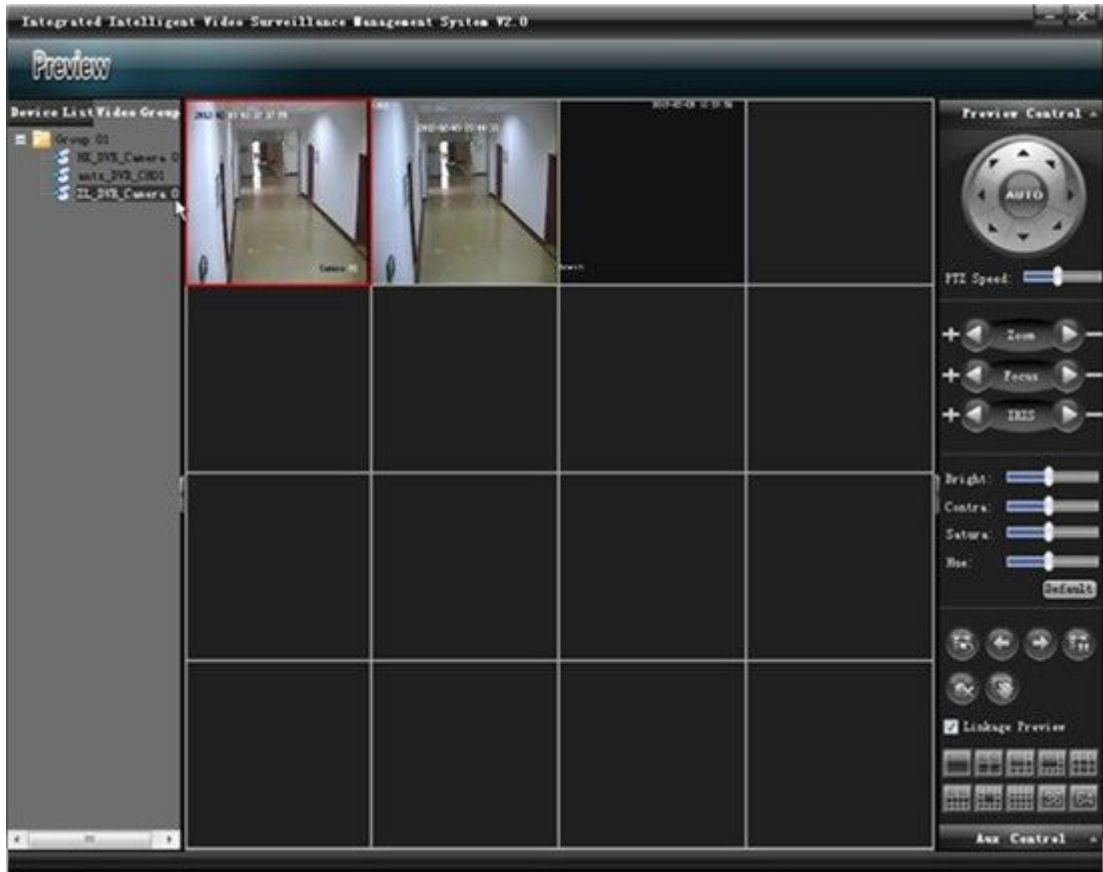


1.1.13 Device Group Preview

First enter "System Config", then click "Video Group" button to grouping these devices, as shown below:



- 1) In the "Group" list, click the right mouse button and then click "Add Group" and input the group name, click "Save", and the group will be added successfully;
- 2) In the "Group" list, select the group which you want to delete, click "Delete Group" and the group will be deleted successfully;
- 3) In the "All Channels" list, select the device channel which you want to add, click  button, this channel will be added to the specified group;
- 4) In the "All Channels" list, select the device channel which you want to delete, click  button and this channel will be deleted;
- 5) Page up , page down .
- 6) After adding the group, enter "Preview" part, click "Video Group" in the device list, double-click to open group preview, as shown below:

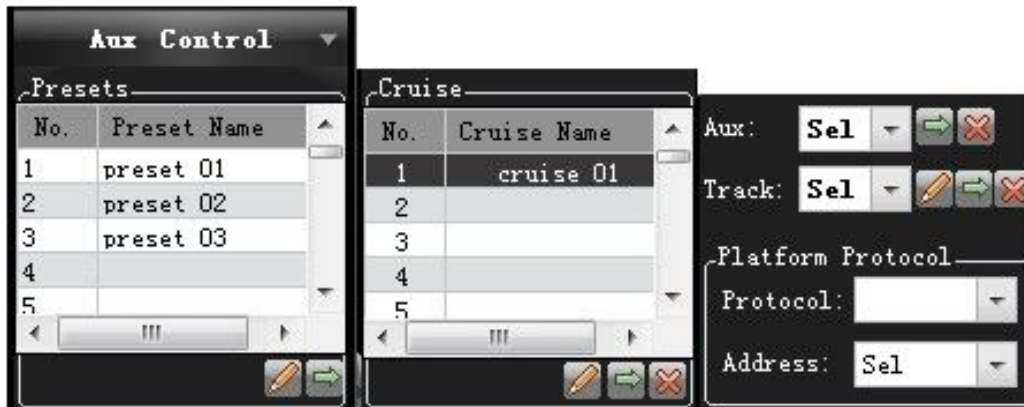


1.1.14 PTZ Control


Single-click to select any channel on the preview interface, then click PTZ, control the left-handed rotation, right-handed rotation, up-regulation and down-regulation of the lens; control zoom-in and zoom-out of the focus and iris and the settings of the PTZ speed, as shown below:






1.1.15 Preset, Cruise, Auxiliary and Platform Protocol Settings

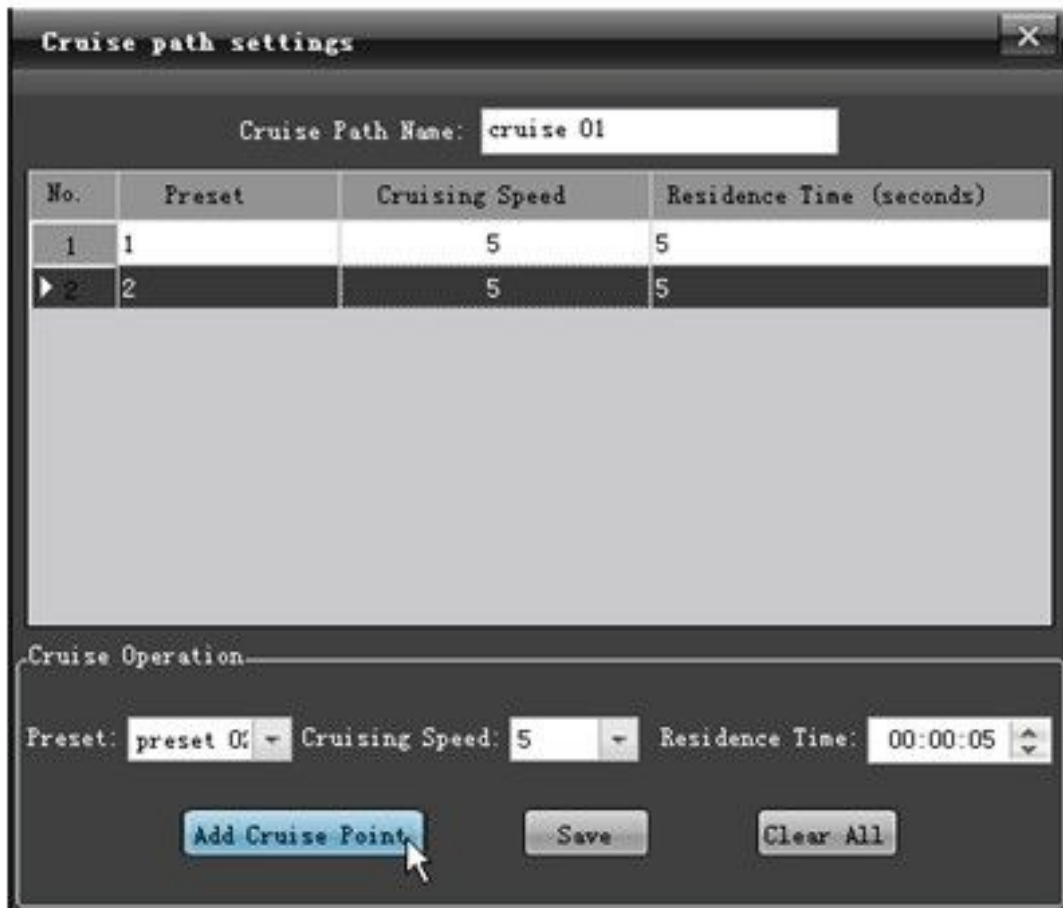




On the panel of the aux operation, you can do the settings and calling of preset position and cruise, selection and calling of auxiliary, settings and calling of track and the settings of the platform protocol.





(1) Settings and calling of presets: turn the camera to the position which you want to set preset, click setting button  , input preset number, click "Save". If you want to change the preset, just



turn the camera to the target position directly and click the setting button  again and save, then the position will be updated. You can set 128 preset positions at most. Click the calling button  on the right, you can turn the camera to the position with corresponding serial number directly.

(2) Settings and calling of cruise: choose the serial number of the cruise, click setting button  , pop-up the dialog box of the cruise setting, which as shown in the below picture. Choose the serial number of the preset position, set the cruise speed and residence time, click Add Cruise Point, you can add multiple preset positions to cruise, click ok to save the positions which have been added. You can set 128 cruise paths at most. Click Clear All, you can delete add the positions which have been added.



Click calling button  to enable the cruise calling; click  to close cruise.

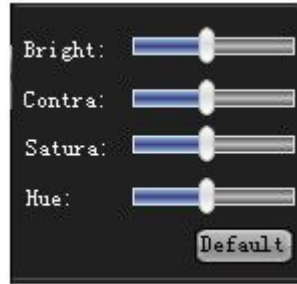
(3) Settings and calling of track: choose serial number from the drop-down list, click  button to start the setting of locus memory, turn the PTZ to set the running path. After finish setting, click  again to close the setting of locus memory; click calling button  to open the track. Click  to close the track.

(4) Settings and calling of auxiliary: choose the needed items from the drop-down list of the Aux setting, click  to start calling; click  to close the auxiliary.

(5) Settings of platform protocol: you can choose corresponding protocol and address in the platform protocols.

1.1.16 Color Control

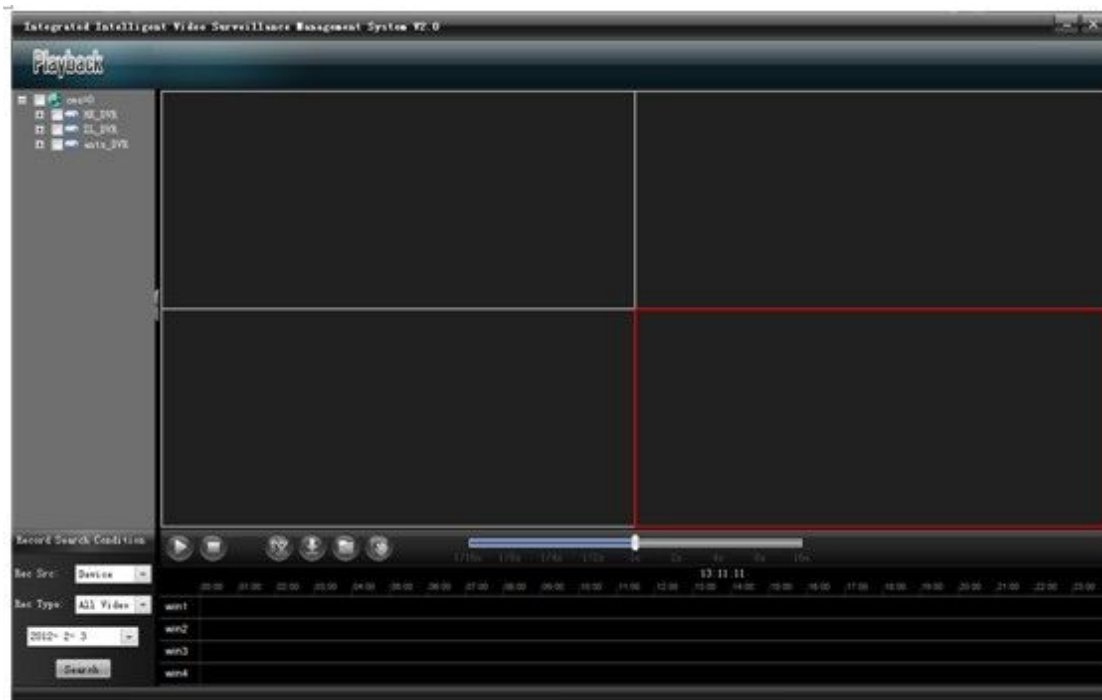
You can control the brightness, contrast and hue of the selected channel at the bottom of the PTZ control panel, as shown below:



1.2 Playback

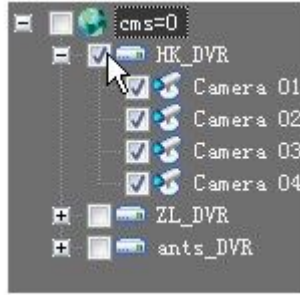
1.2.1 Video Playback Interface

Click “Playback” part, as shown below:

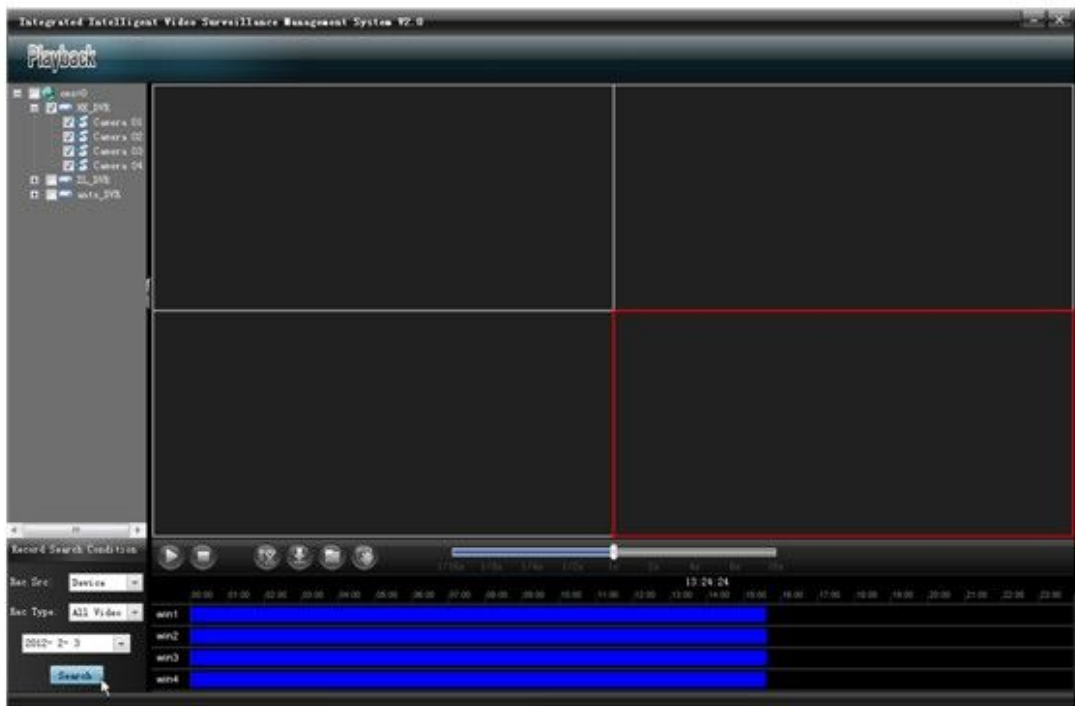


1.2.2 Video Search




Check the channel which you want to playback the video in the left device list, as shown below:



In the search condition bar, select the video location and video type, and select the date on the calendar, click “Search” button, the system will start to search the video and display the search results on the search result panel, as shown below:



1.2.3 Video Playback

Click the play button , the video will begin to playback from the position with data; click the pause button , all the video will be paused; click the stop button , all the video will stop; choose the “Speed” adjustment scale, all the video can be fast played or slow played; double-click the mouse button on the recording progress bar, you can positioning play, as shown below:





On the playback channel, click the right mouse button, and you can do the settings of contrast, brightness, audio turn on and off and picture mode switch on the pop-up menu.

1.2.4 Single Channel Full-screen Playback


On the playback interface, double-click any playback channel, you can full screen play the video. Click the Esc key on the keyboard, you can exit full screen.

1.2.5 Video File Editing

Select the playback channel which you want to edit, click the editing button  to start the editing for the selected channel; click the editing button  again will stop editing. The MP4 file can be found in the editing setting directory.

Notes:(The edited video file will be saved in the “video\cutvideo” folder in the client software)

1.2.6 Video File Download


Click the video download button , pop-up the video downloading setting page, as shown below:



Select the channel and time period which you want to download, click “Start”, and the file downloaded will be stored to the specified path.

Notes: (you have to stop playback before downloading. The video file downloaded will be saved in the “video\DownLoad\Device” folder in the client software by default. Each file supports download by different times.)

1.2.7 File Management


Click the file management button , pop-up the video file player window, as shown below:



On the video file player window, click File-->Open, find the mp4 file downloaded in the video

download path and add into the list on the right, and double-click the file to play.

1.2.8 Capture

On the playback window, single-click to select any channel, click the snapshot button , the picture will be saved in the specified folder.

(Note: the snapshot picture will be stored in the “Replay” folder in the client software)

1.2.9 Playback Digital Zooming

On the playback interface, select the channel which you want to zoom, rotate the mouse wheel to zoom-in and zoom-out on the channel, as shown below:



1.3 Electronic Map

1.3.1 Electronic Map Interface

Click the “Electronic Map” part, enter the electronic map page, as shown below:




1.3.2 Open the Map

Double-click the map icon in the area, or select the icon, click the right mouse button, select "Open Map", as shown below:



1.3.3 Map Zoom-in and Zoom-out


Click the zoom-in button , you can zoom-in the electronic map; click the zoom-out button

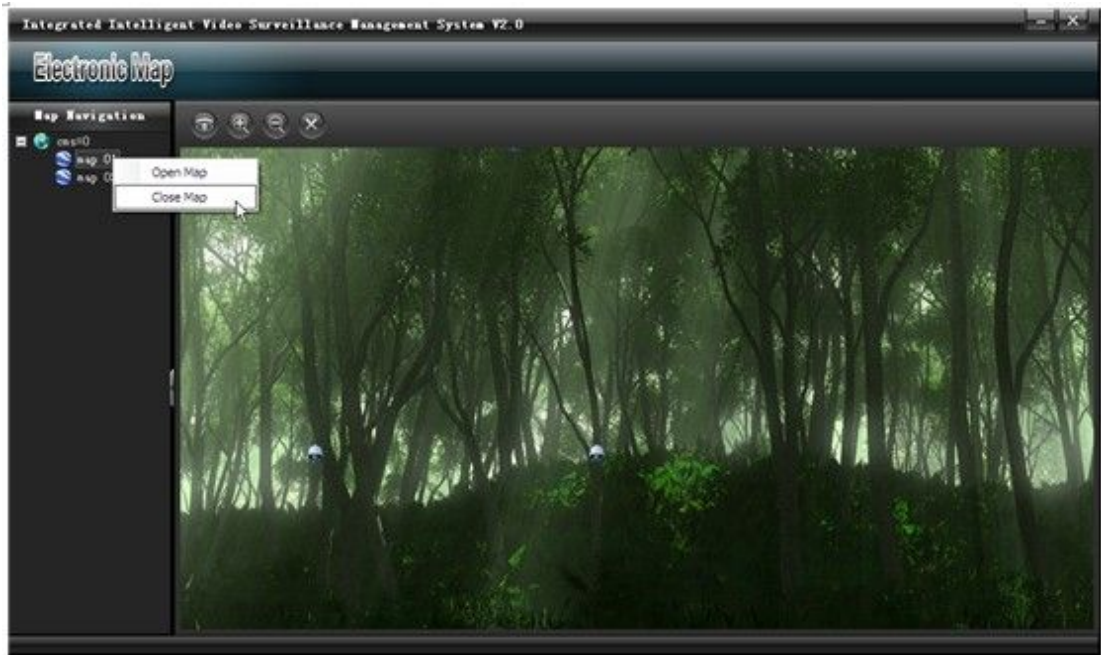


, you can zoom-out the electronic map.

1.3.4 Close the Map



Click the close button , or select the icon, right click the mouse button, select “Close Map”, as shown below:



1.3.5 Electronic Map Channel Preview

Open a map which has been set the video channel, select any video channel on the map, click the right mouse button, select “Channel Preview”, you can preview the video channel in real time, as shown below:



Note: (You can only preview the video channel set on the map in the “Electronic Map” part in the client, rather than delete or other operations.)

1.3.6 Electronic Map Video Playback

Select any video channel on the map, right click the right mouse button, select “Playback”, as shown below:




1.3.7 Electronic Map PTZ Control

As shown below:



1.3.8 Group Preview

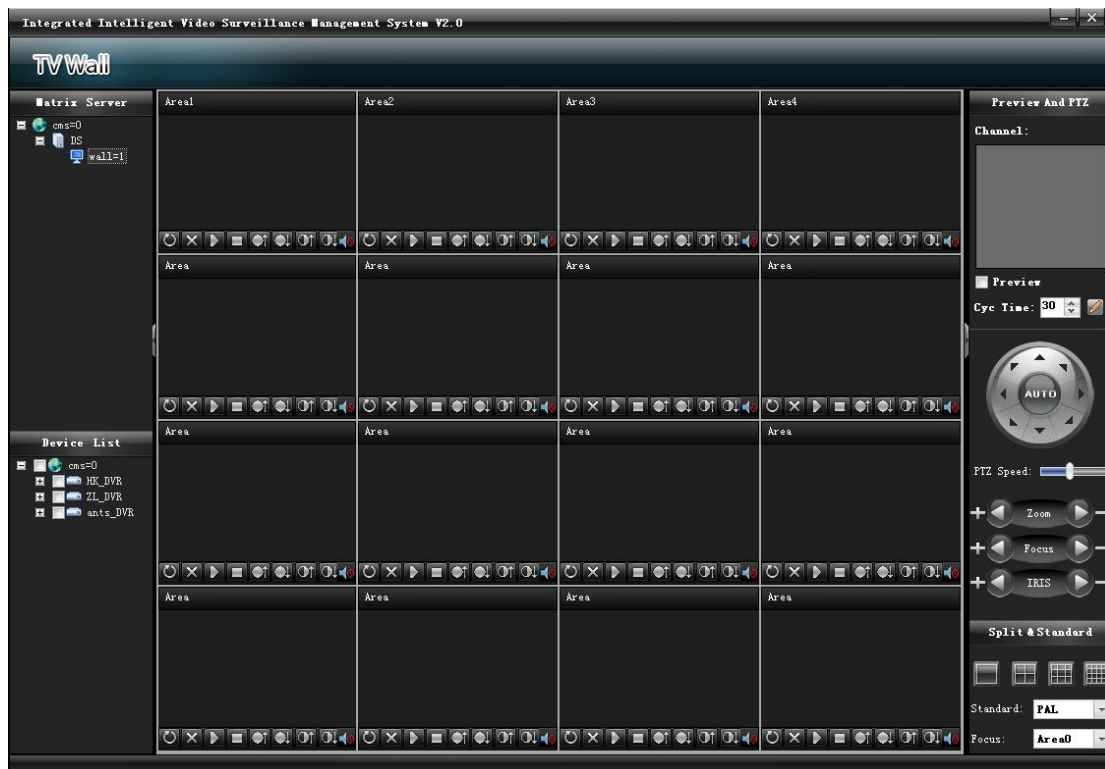
Click the group preview button , you can group preview all video channels on the map, as shown below:



1.4 TV Wall

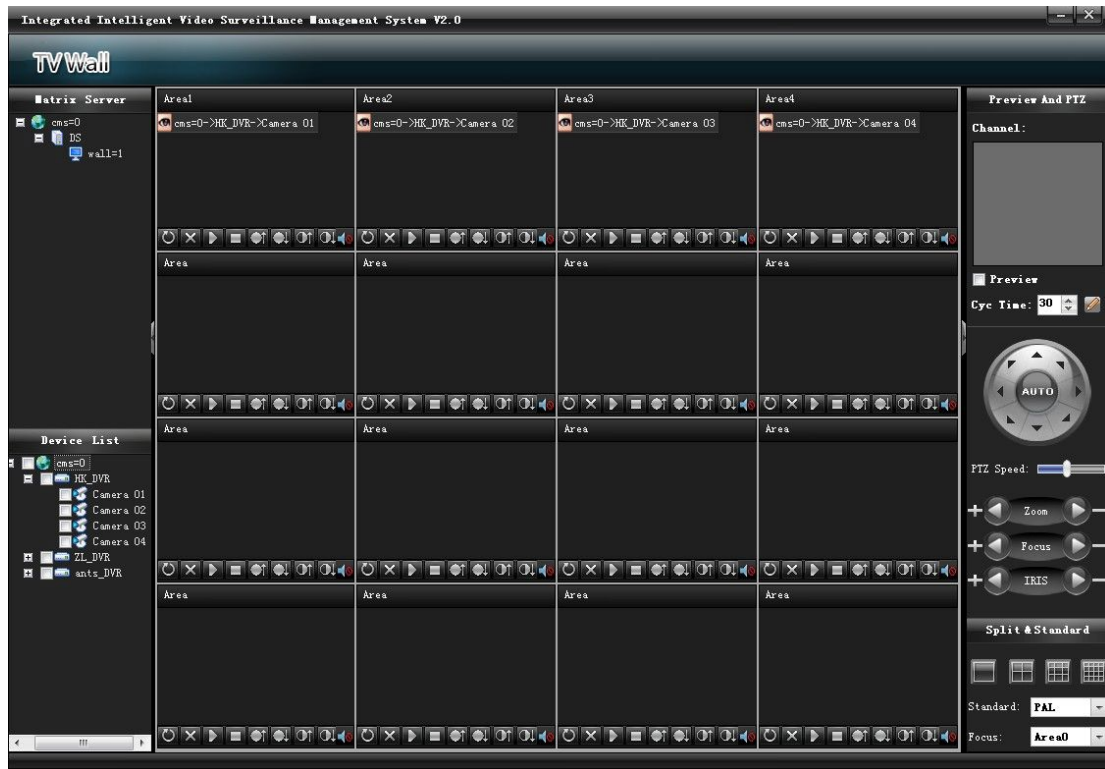
1.4.1 TV Wall Management Interface

Click the “TV Wall” part, enter the TV wall management interface, as shown below:

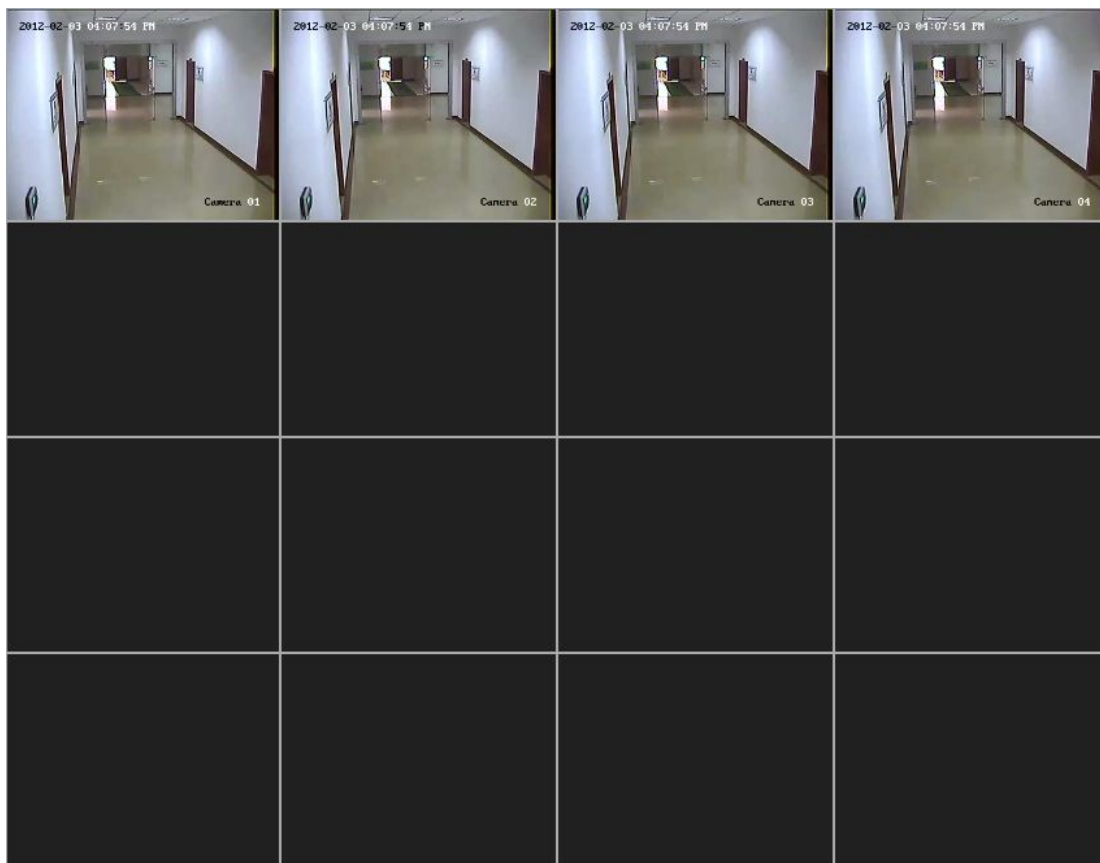


1.4.2 TV Wall Video Preview

Drag the device channels in the device information to each area of the TV wall, as shown below:



The TV wall will play the video of the channels in real time, as shown below:

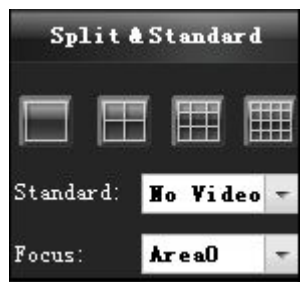


1.4.3 Device Configuration in TV Wall Area

There are “Stop Cycle”, “Remove Channel”, “Preview Channel”, “Stop Preview”, “Increase Brightness”, “Decrease Brightness”, “Increase Contrast”, “Decrease Contrast” and “Whether to Use Matrix Server Sound Card” operation icons at the bottom of each area on the TV wall, as shown below:

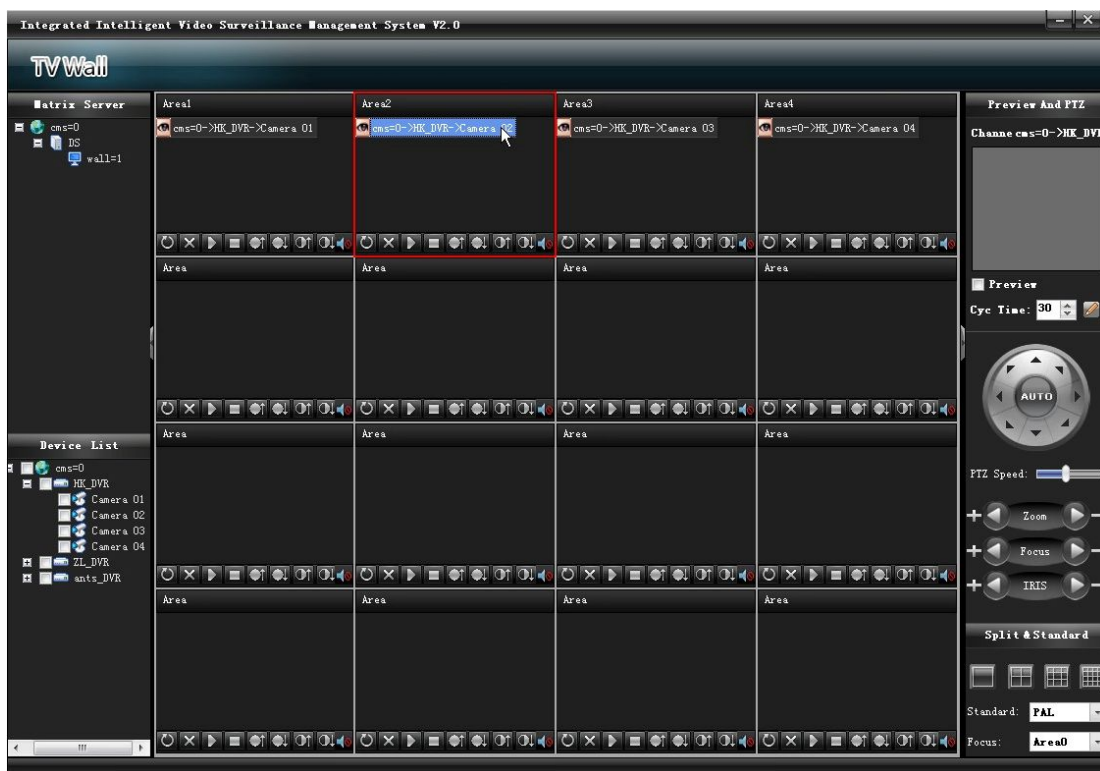


You can change the display area numbers on the TV wall, control the video standard, set the focus area(the selected area will display in full screen, Area0 means all areas display play) using the “Split&Standard” at the right lower corner of the TV wall, as shown below:



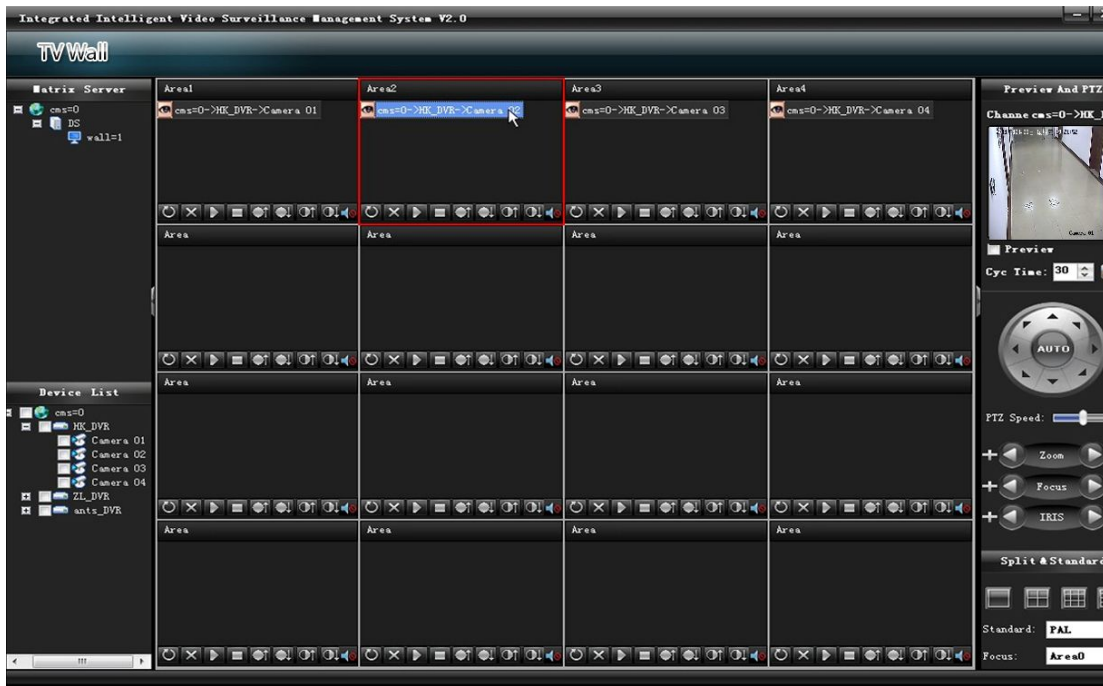
1.4.4 TV Wall Preview and PTZ Control

Select any channel(clicking in the area) in the TV Wall area, as shown below:



Then check “Preview” in the “Preview and PTZ” on the right side to play the selected channel video in the channel video play area on the right side(uncheck preview will close preview). The PTZ control at the bottom can control PTZ of the selected channel etc..

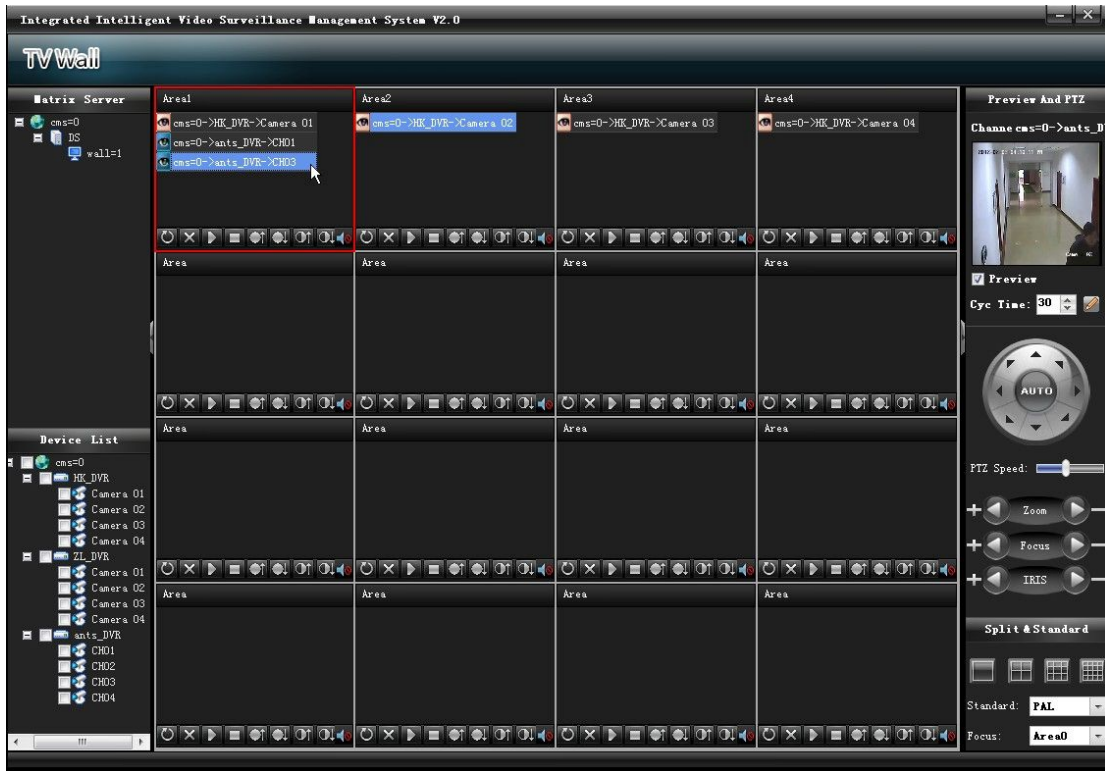
Drag multiple video channels into a TV Wall area, this area will auto open cycle. You can cycle preview multiple channels and set the rotation time in the box on the right, as shown below:



Note: (this setting applies to all areas. The cycle time is at least 10s)

1.4.5 TV Wall Playback

Check the channel which you want to playback in the “Device List”, then click the right mouse button on the corresponding TV Wall on the “Matrix Server Panel”, choose “Playback”, as shown below:



Enter the playback interface, select the recording position, recording type, date and click “Search”, as shown below:

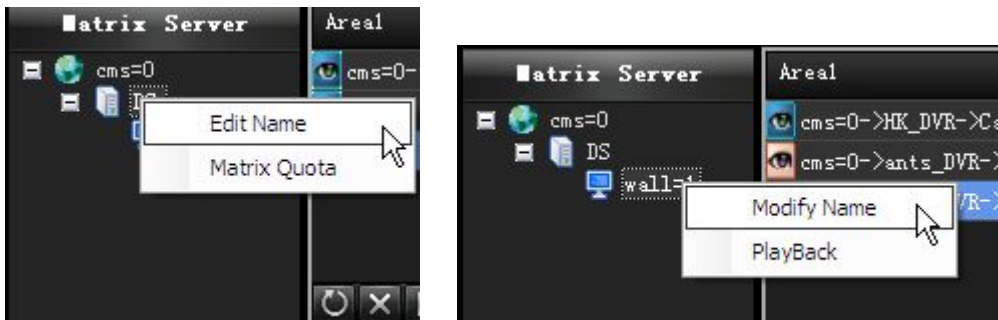


Click “Play” button, you will see corresponding video playback on the corresponding TV Wall, as shown below:



1.4.6 Matrix Server Quota and Matrix Name Modification

Click the right mouse button on the matrix server(or TV wall) on the “Matrix Server”, as shown below:

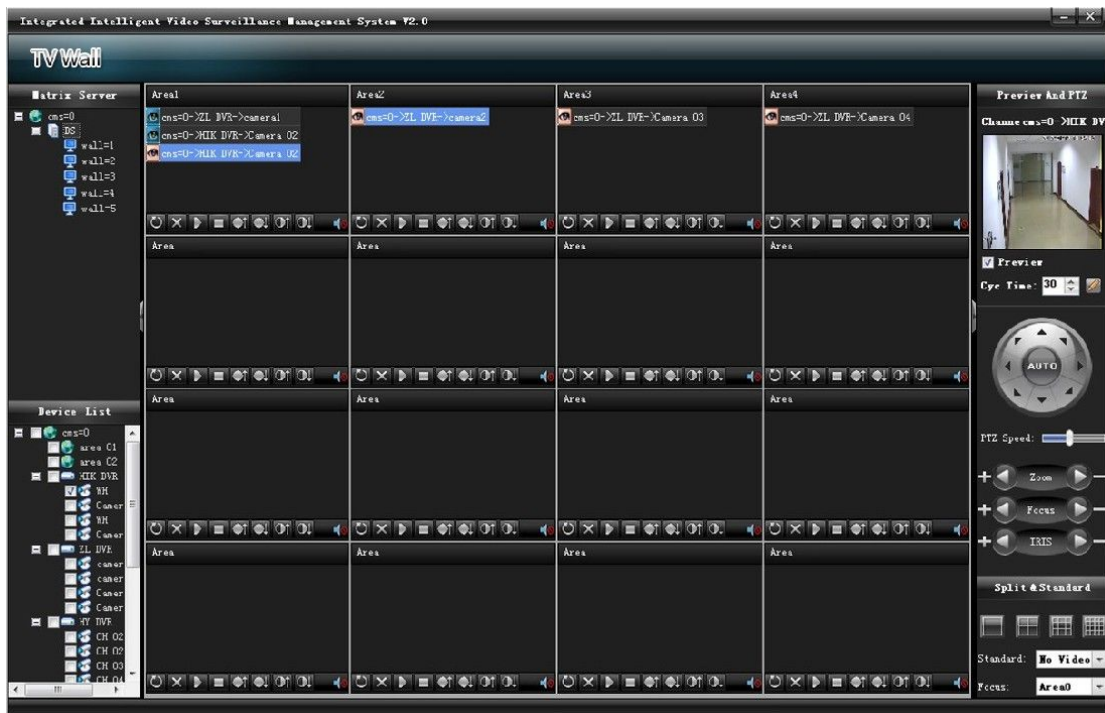


“Edit Name” and “Modify Name” are used to modify the names of the matrix server and the TV wall.

“Matrix Quota” means that the quantity of the server area cannot surpass the quota, as shown below:



Note: this platform supports hard decode TV wall and is compatible with the hard decode and soft decode hydra version.



The "ds_66" in the picture is soft and hard decode TV wall(the operation method is the same as

the soft decode TV wall)

1.5 Operation Log

1.5.1 Operation Log Interface

Click the “Operation Log” part, enter the operation log interface, as shown below:

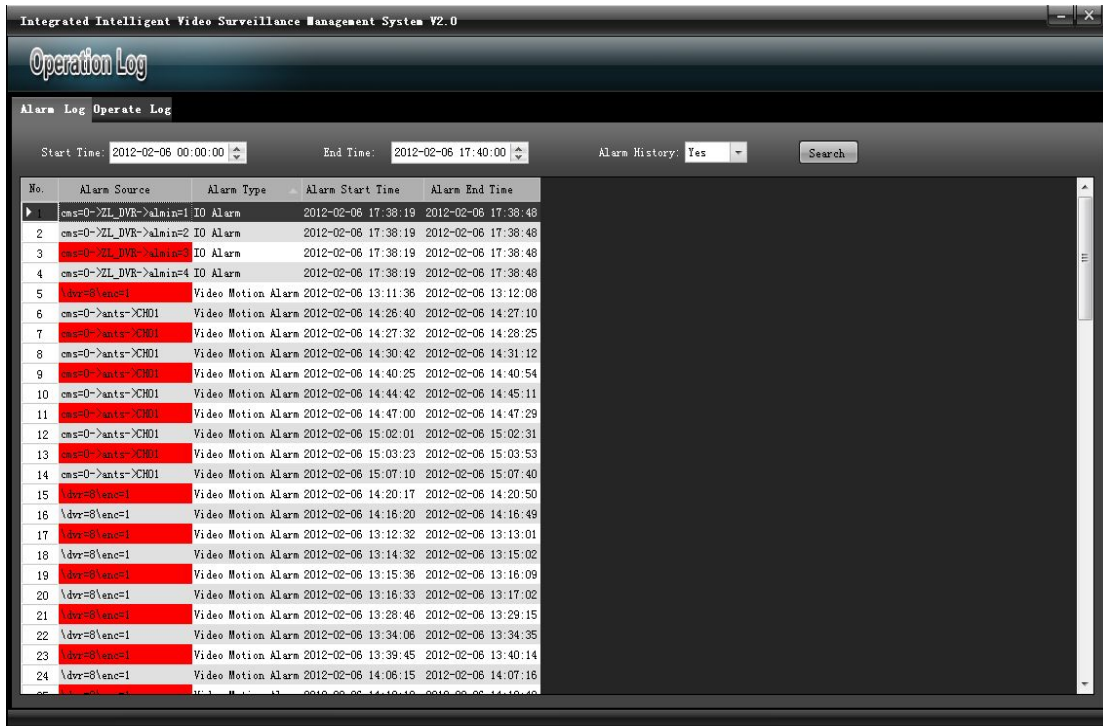


1.5.2 Alarm Log

Input the alarm conditions in the search column, as shown below:



Click “Search”(you can only search the operation logs of 7 days), as shown below:

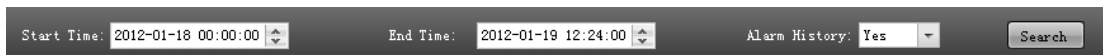


Click "Alarm Source", "Alarm Type", "Alarm Start Time", "Alarm End Time", you can sort the information in the list, as shown below:

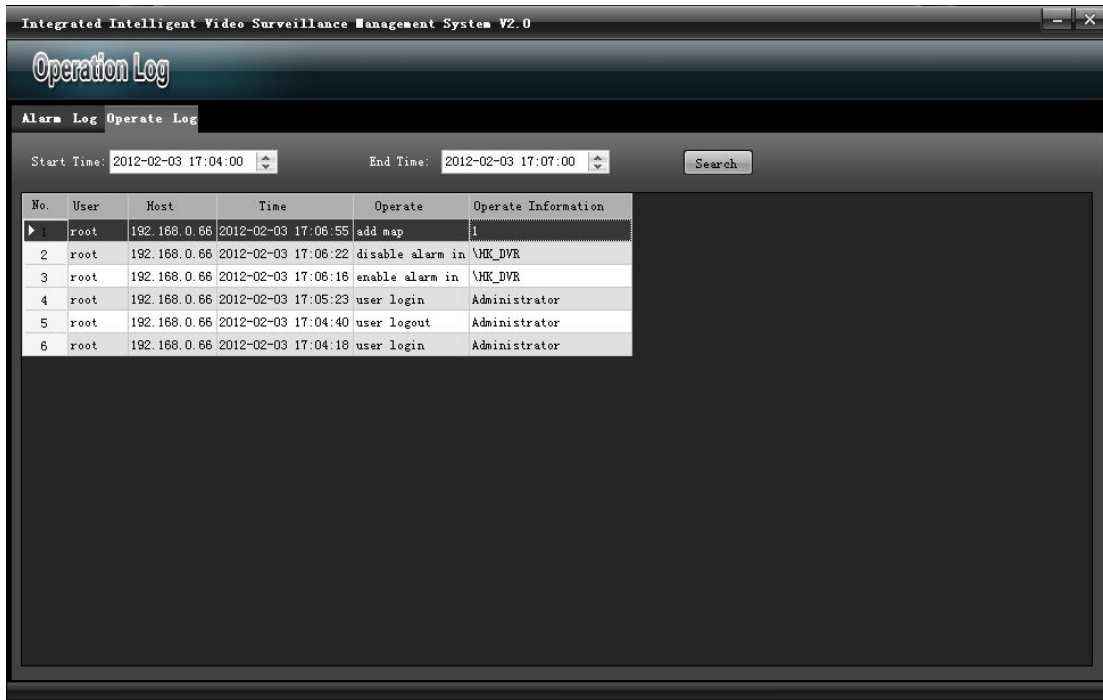
No.	Alarm Source	Alarm Type	Alarm Start Time	Alarm End Time
-----	--------------	------------	------------------	----------------

1.5.3 Operate Log

Input the alarm conditions in the search column, as shown below:



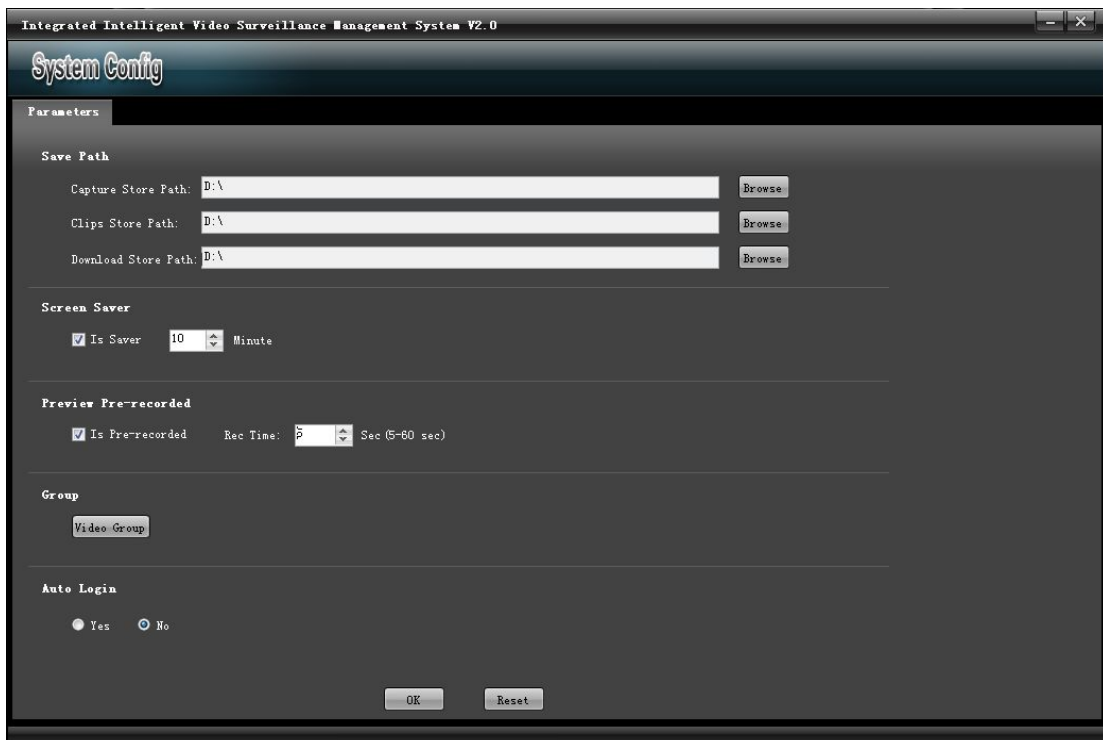
Click "Search", as shown below:



Respectively click “User”, “Host”, “Time”, “Operate”, “Operate Information” , you can sort the information in the list, as shown below:

No.	User	Host	Time	Operate	Operate Information
-----	------	------	------	---------	---------------------

1.6 System Configuration

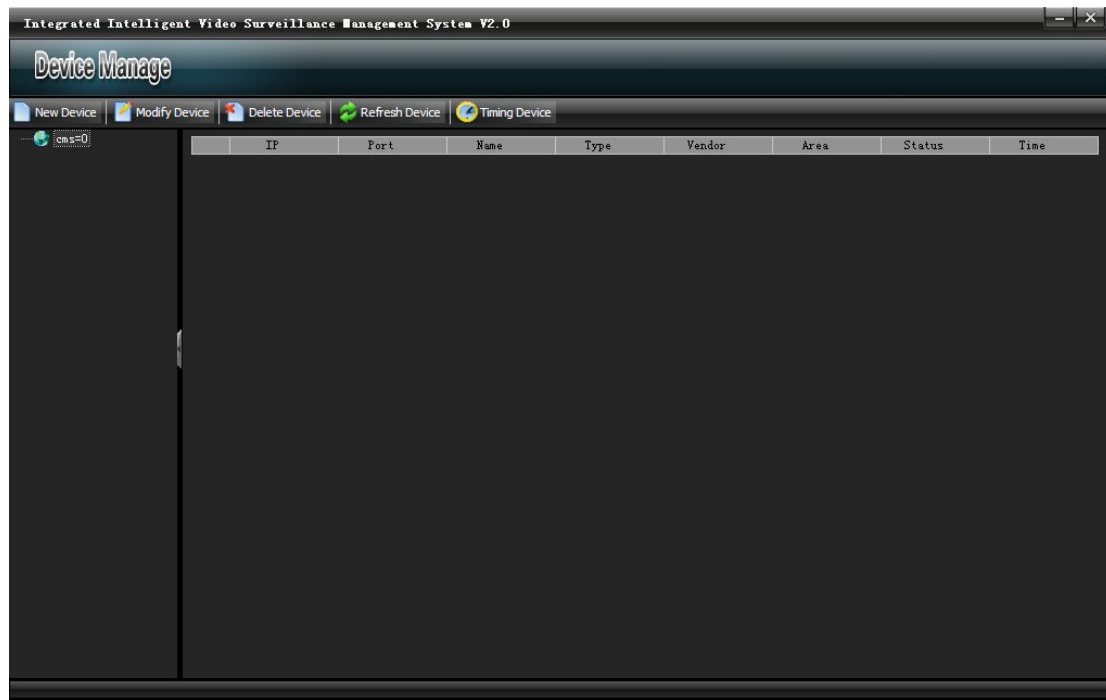


1. In the system configuration interface, you can set the storage path of the capture, clips and download.

2. Set the time of screen saver.
3. Set the preview time of pre-recorded video preview.
4. Video group setting.
4. Auto login setting.

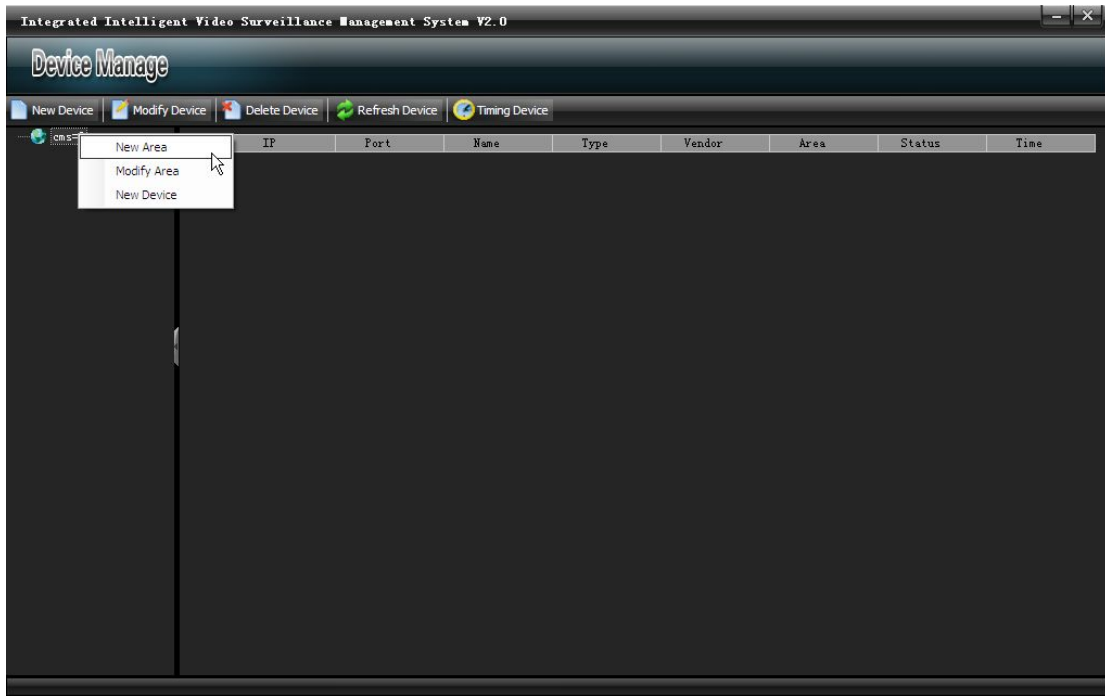
1.7 Device Management

Click “Device Manage” part, enter the device manage interface, as shown below:

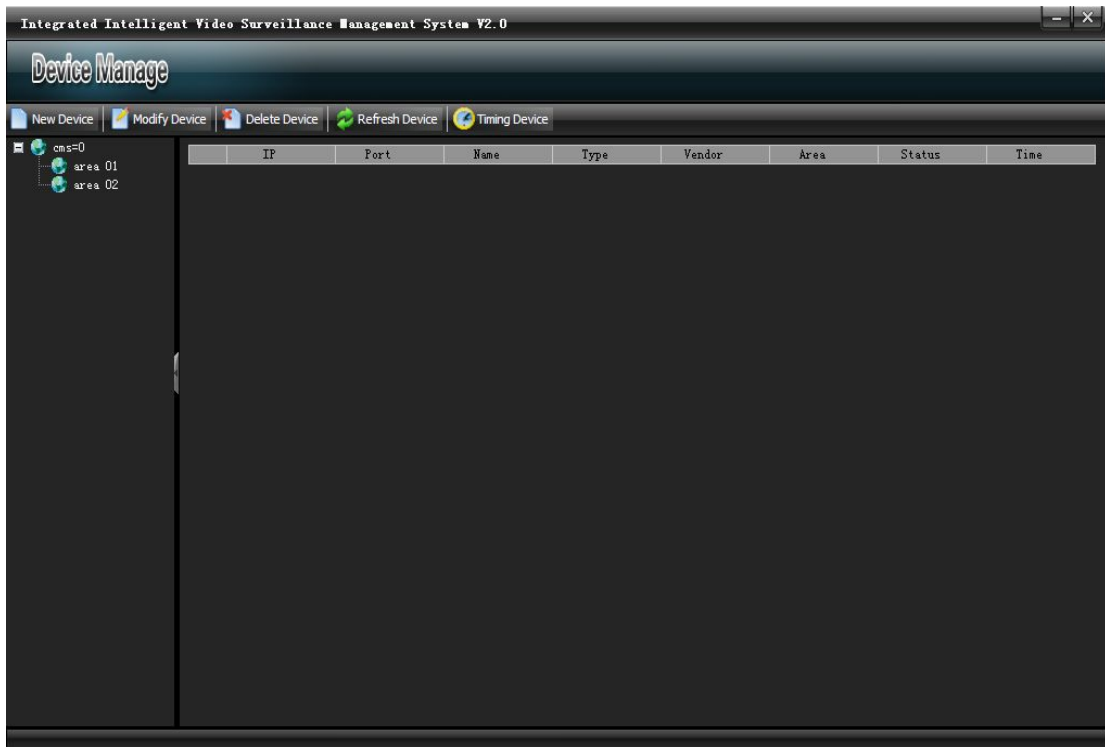


1.7.1 Add New Area

Select one area(default area is named cms=0) in the left list, click the right mouse button on “New Area”, as shown below:



Input the area name on the add area interface, click “Save” and this area will be added successfully, as shown below:



1.7.2 Modify Area

Select the area which you want to modify from the left list, click the right mouse button on “Modify Area” to modify it.

1.7.3 Delete Area

Select the area which you want to delete from the left list, click the right mouse button on “Delete Area” to delete it.

1.7.4 New Device

Select the area where you want to add new device, click “New Device”(or click the right mouse button on the area and select “New Device”, input the device information, as shown below:



The screenshot shows a 'New Device' dialog box with the following fields and values:

Field	Value
Area	cms=0
Dev IP	192.168.0.209
Dev Port	8000
Dev Type	Video Encoder
Dev Vendor	HIK DEVICE
Dev Name	HK_DVR
User	admin
Password	*****

Buttons: Save, Cancel

Click “Save”, and the device will be added successfully.

1.7.5 Modify Device

Select the device which you want to modify from the device list, click “Modify Device”, input the new contents and then click “Save”, as shown below:

Modify Device Information

Dev Name:

Dev IP:

Dev Port:

User:

Password:

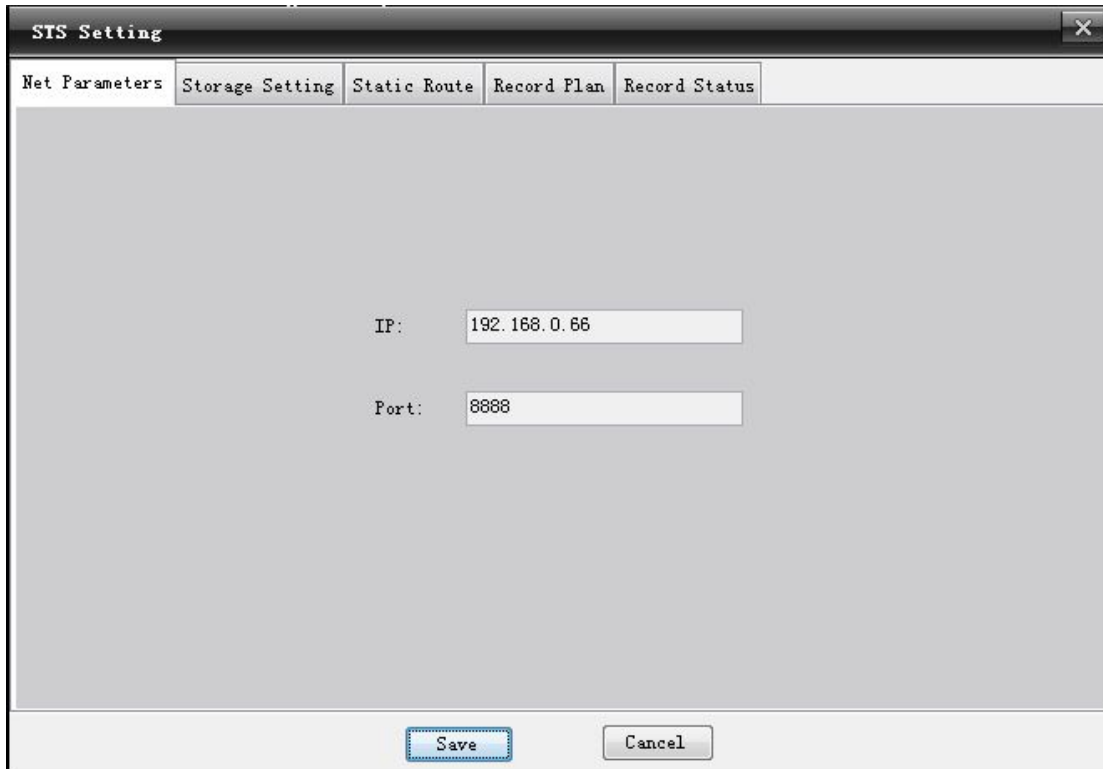
1.7.6 Delete Device

Select the device which you want to delete from the device list, click “Delete Device”(or select the device which you want to delete from the device tree on the left side, click the right mouse button, select “Delete Device”) to delete.

1.7.7 Obtain STS Device Parameter

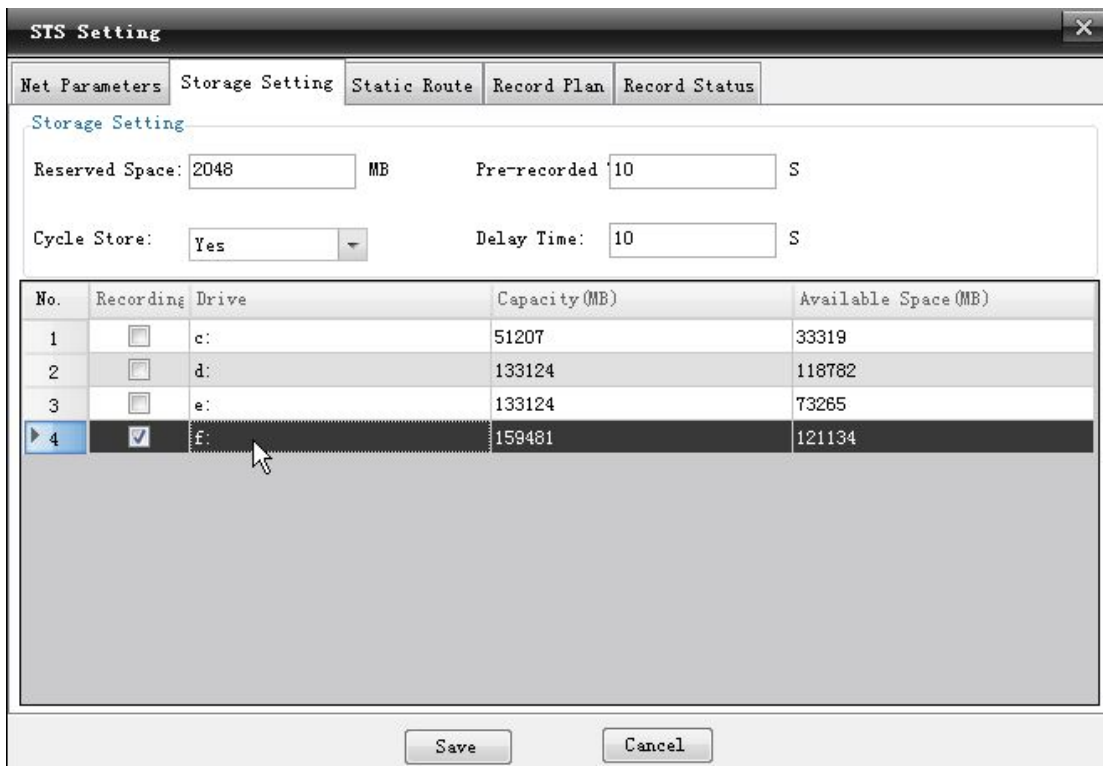
1.7.7.1 STS Parameter Setting

Select the STS device from the device tree on the left side, click the right mouse button, select “Net Parameters”, as shown below:



Note: (you can only obtain the device parameters when the STS device is online)

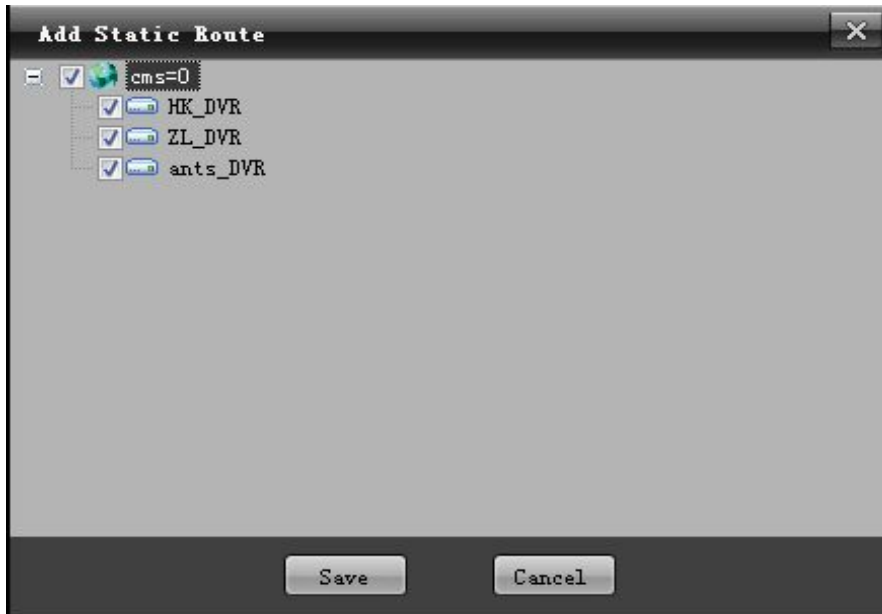
1.7.7.2 Storage Setting



Note: (Free space of HDD cannot be less than 1024MB)

1.7.7.3 Static Route Setting

Click “Add Static Route”, check the devices(DVR, DVS) you want to add, click “Save” to complete the settings, as shown below:

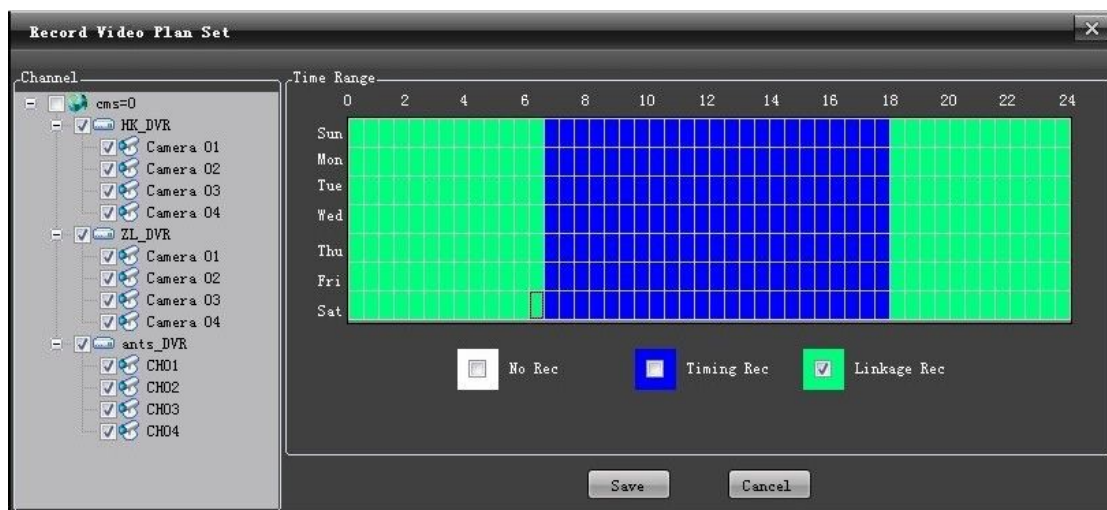


Note: (You should set the static route before adding the record plan)

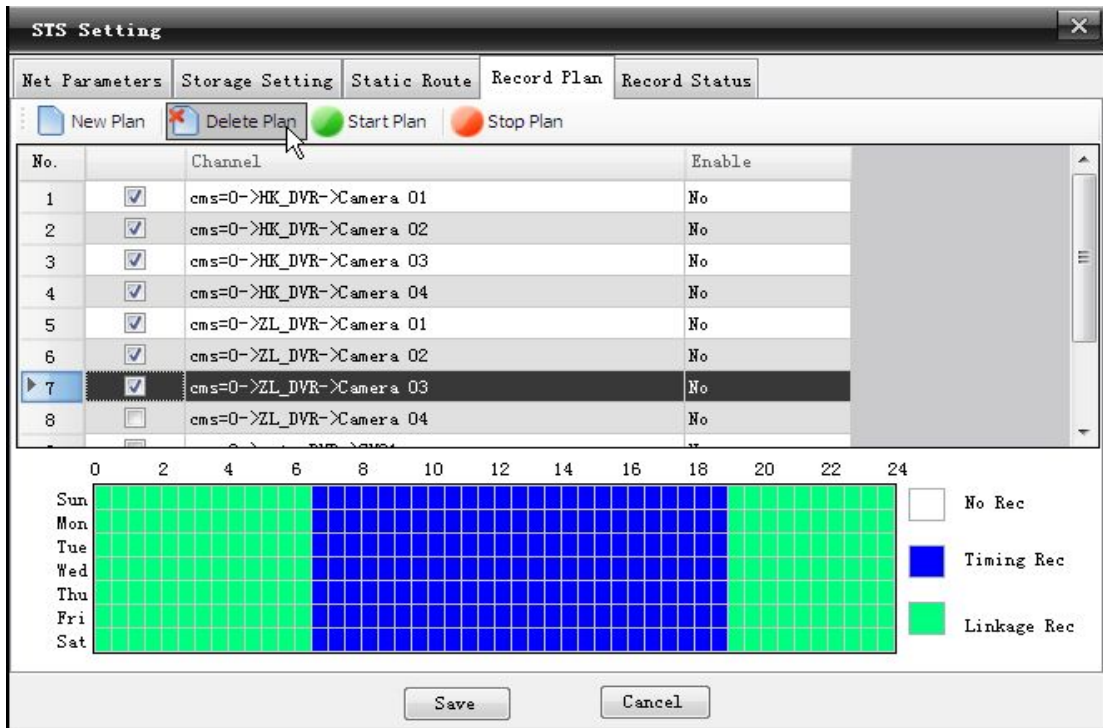
“Delete Setting”, check the device(DVR,DVS) which you want to delete, click “Delete Configuration” to delete it.

1.7.7.4 Record Plan

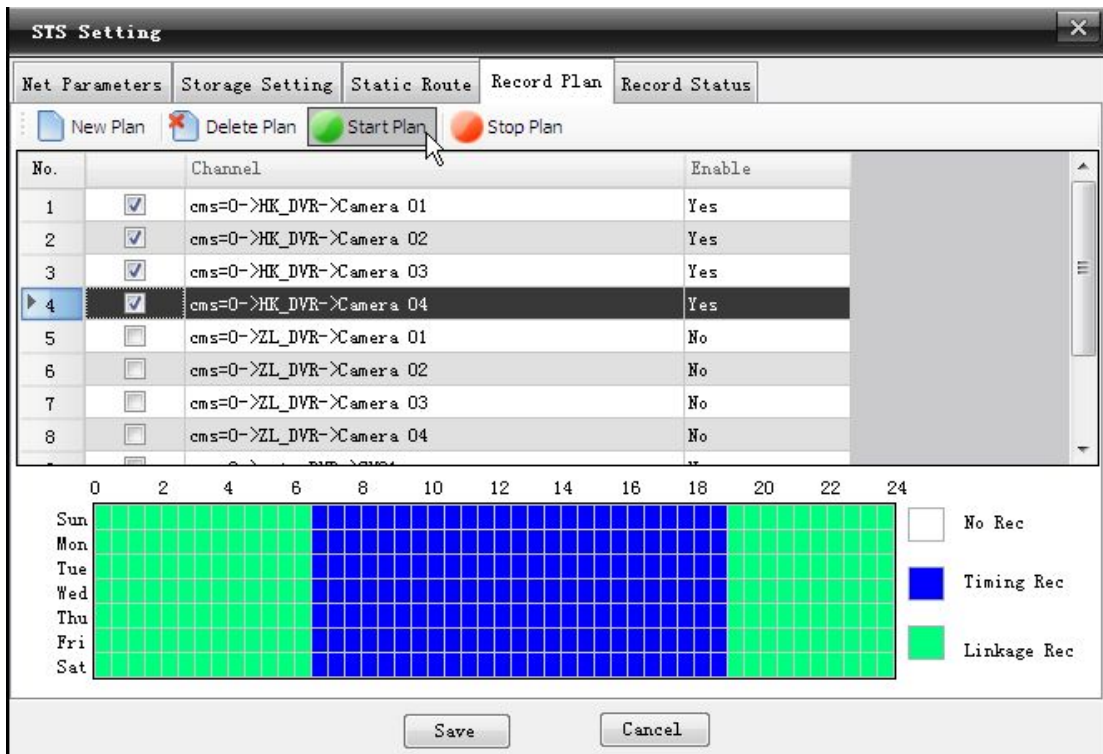
Click “New Plan”, enter the record plan interface. Check the device channel which you want to record from the device tree on the left side, then check the record type on the right lower corner, and then use mouse to choose the time range in the time range list, click “Save”, as shown below:



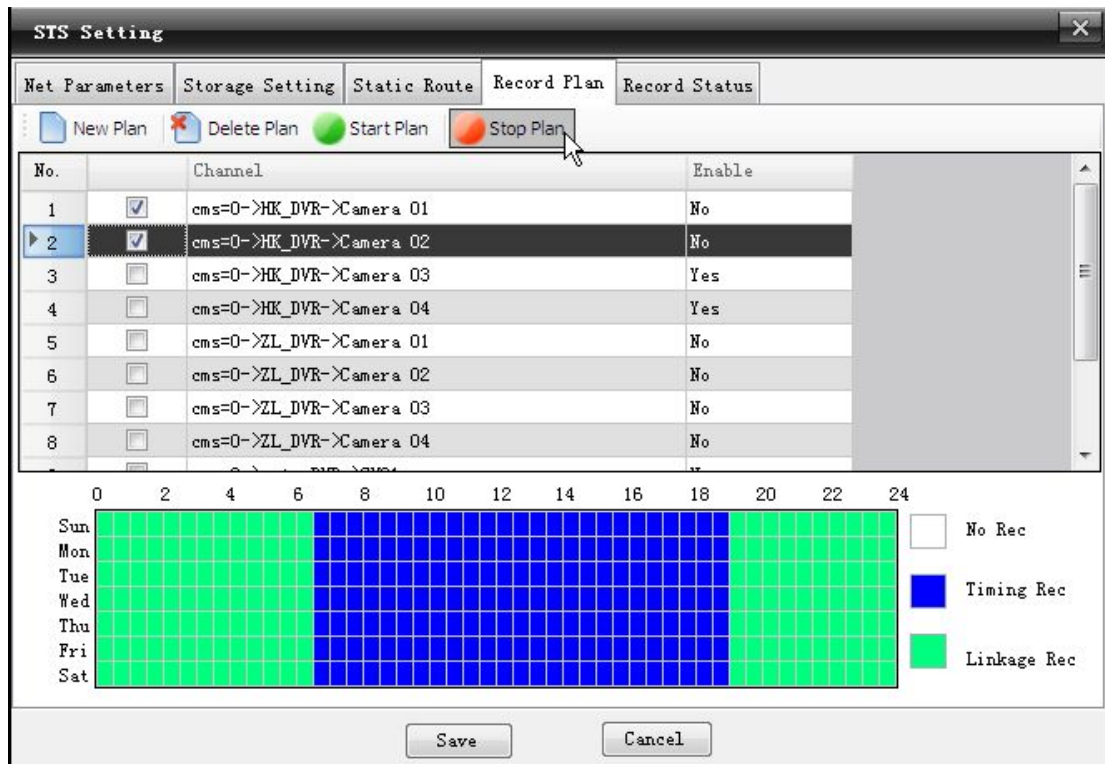
“Delete Plan”, check the record plan channel which you want to delete from the list, click “Delete Plan”, as shown below:



“Start Plan”, check the record plan channel which you want to start from the list, click “Start Plan”, as shown below:



“Stop Plan”, check the record plan channel which you want to stop from the list, click “Stop Plan”, as shown below:



1.7.7.5 Record Status

“Record Status” can reflect whether the record plan and the record status of the storage server are enabled in real time.

1.7.8 Device Refresh

“Device Refresh” can refresh the real time status and information of the device in the list.

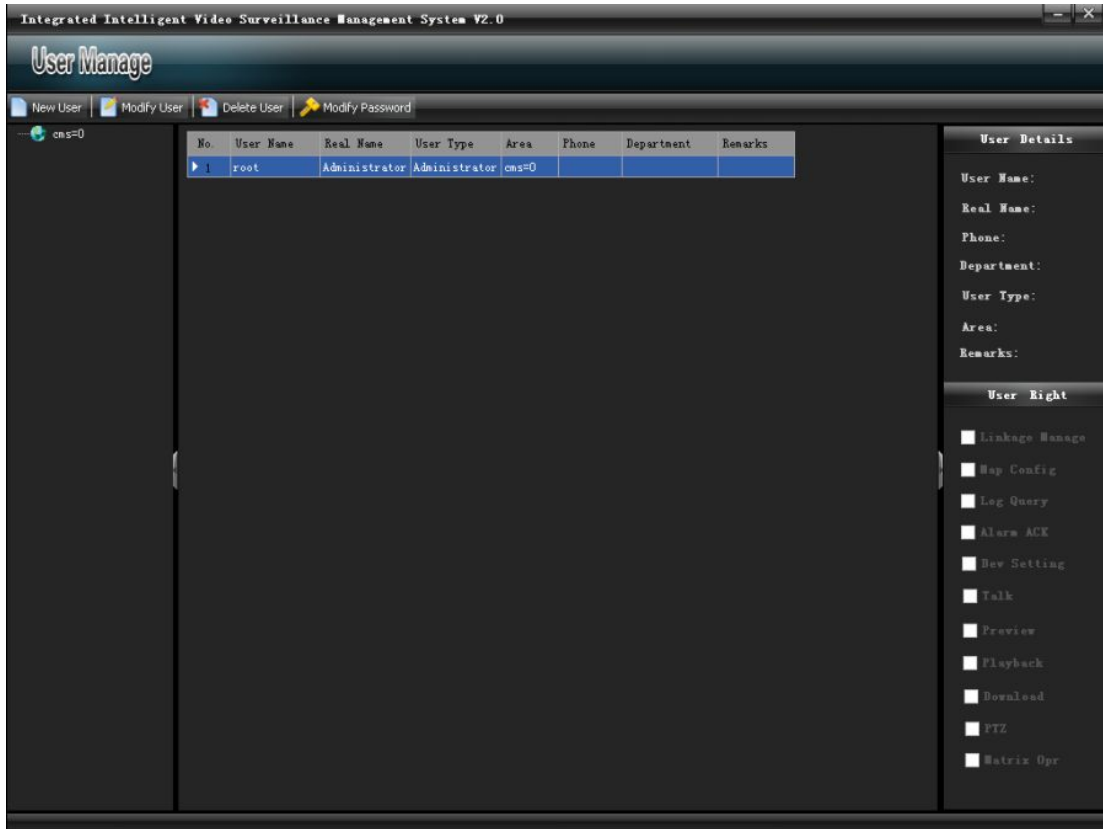
1.7.9 Device Timing

“Device Timing” can correct the time of the device in the list.

1.8 User Management

1.8.1 User Manage Interface

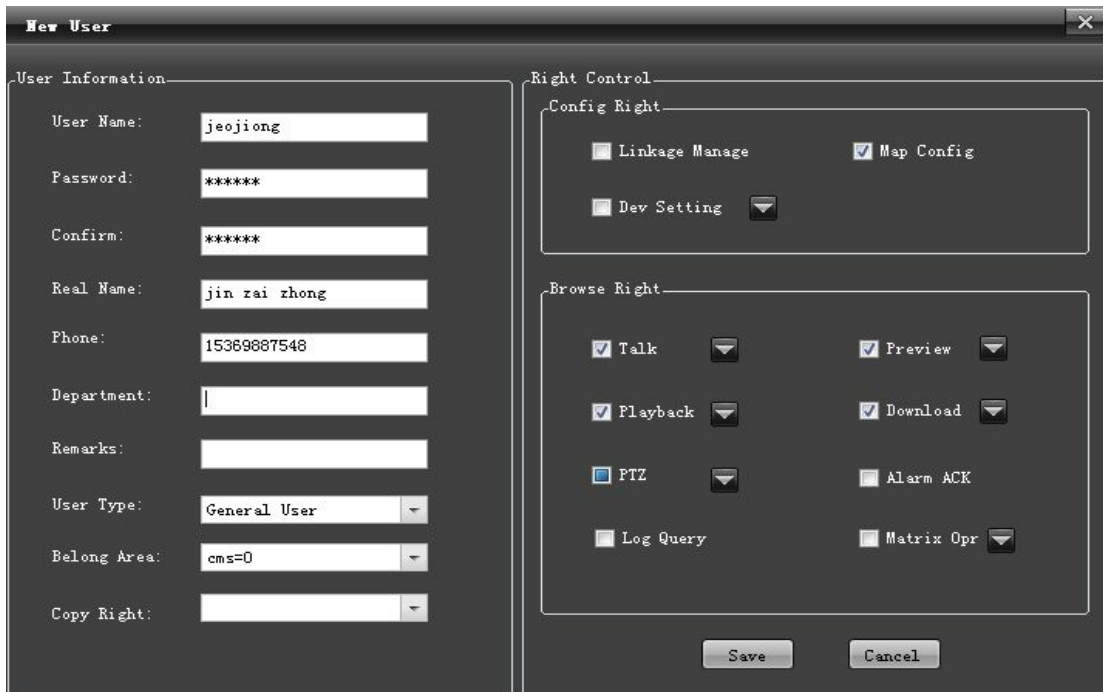
Click “User Manage” part, enter the user setting interface, as shown below:



1.8.2 New User

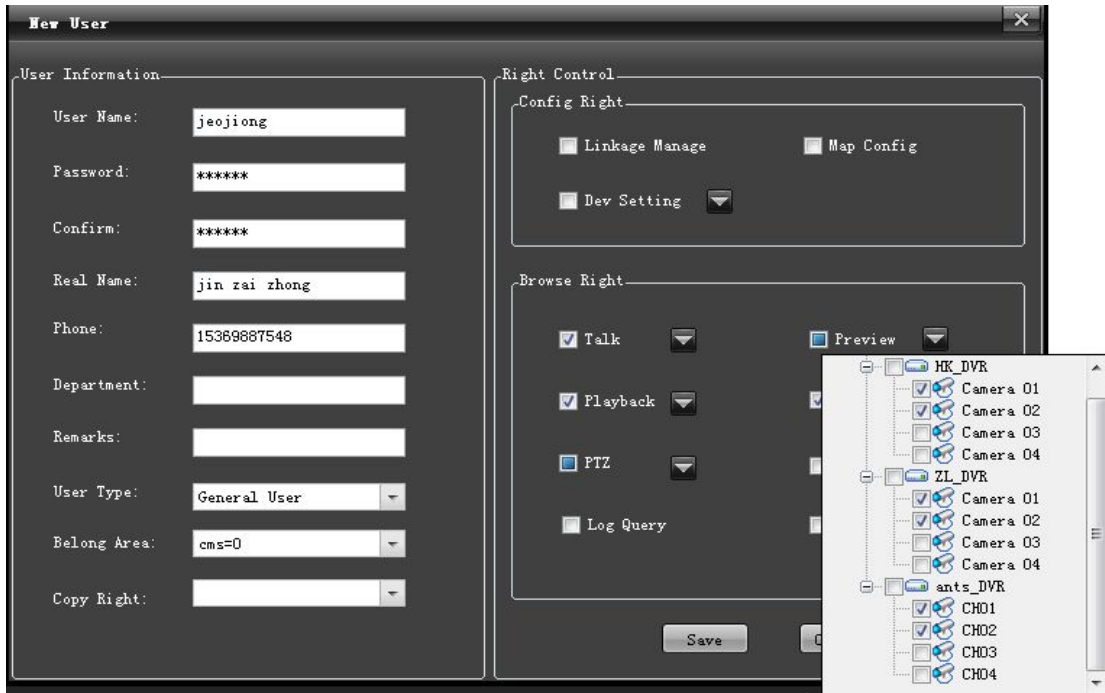
Click "New User" and input the user information, click "Save", as shown below:

Note: (You can select the type and the area range you want to give to the user in the "User Type" and "Belong Area")

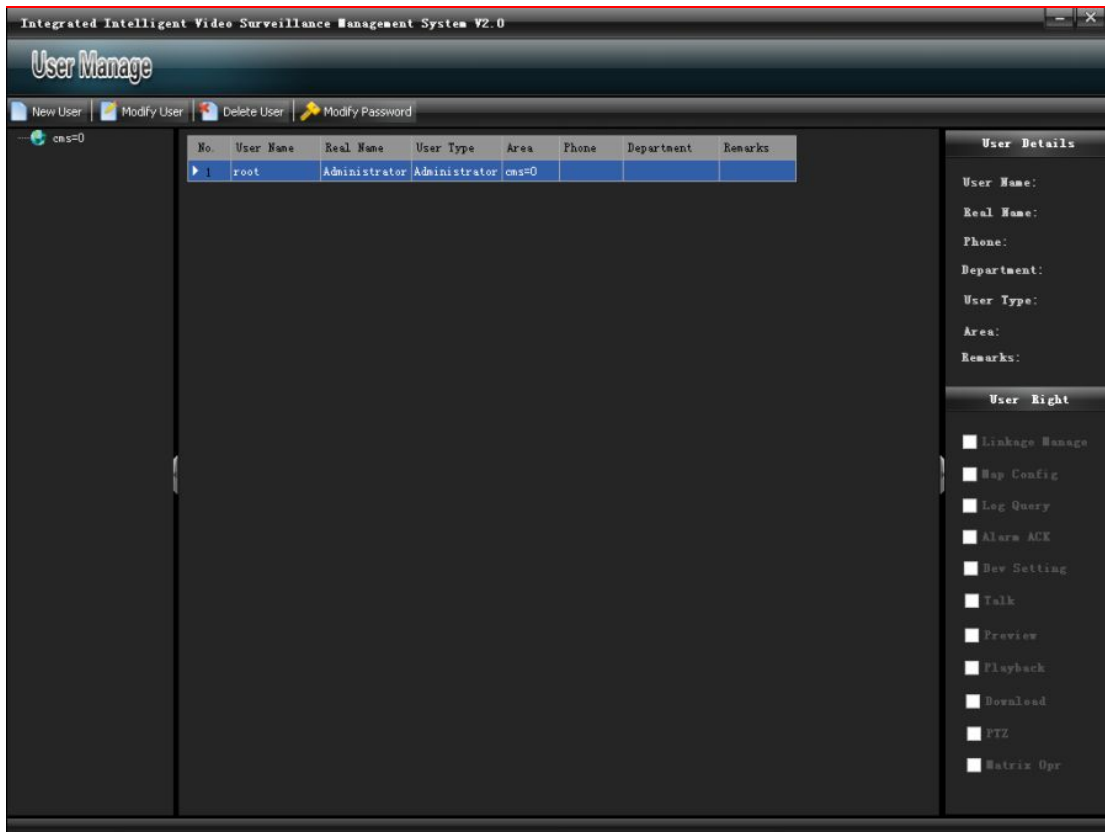


1.8.3 User Right

You can specify rights to the new user in the new user interface, as shown below:

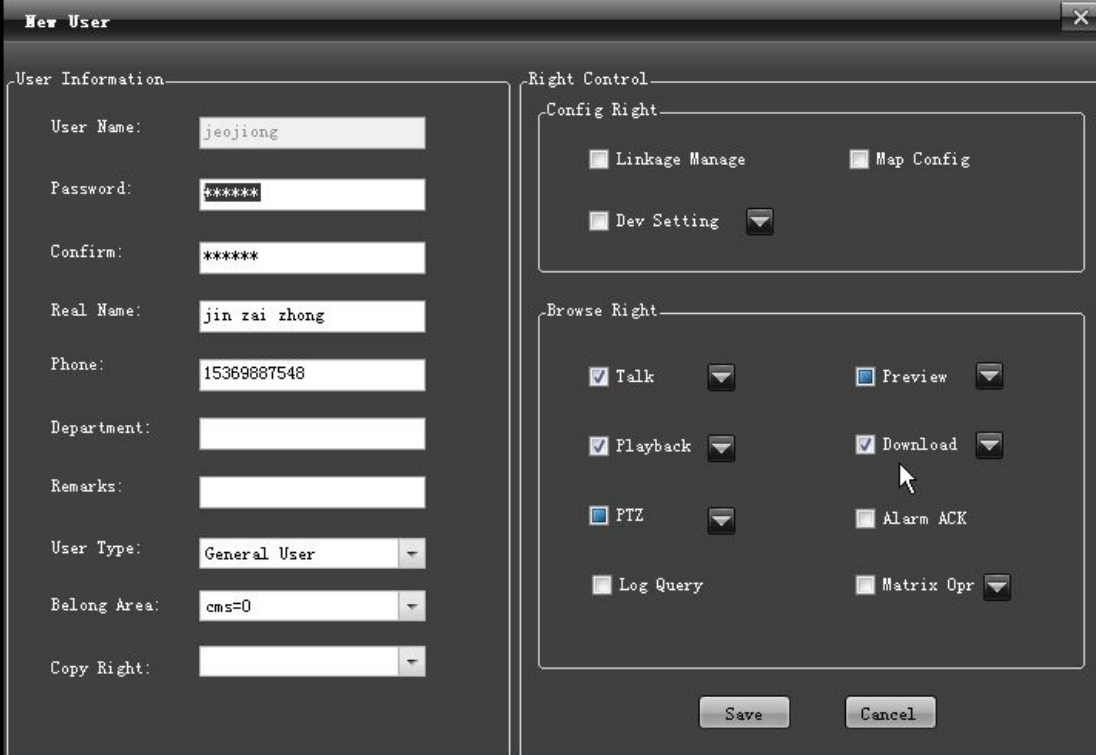


Note: (the right option which has drop-down list can allocate the rights to specified channel)
Click "Save" to add the user successfully. You can see the new user in the user list, as shown below:



1.8.4 Modify User

Select the user which you want to modify from the user list, click “Modify User”, input the new information and click “Save”, as shown below:



The 'New User' dialog box is divided into two main sections: 'User Information' and 'Right Control'. The 'User Information' section contains the following fields: 'User Name' (jeojiong), 'Password' (masked with asterisks), 'Confirm' (masked with asterisks), 'Real Name' (jin zai zhong), 'Phone' (15369887548), 'Department' (empty), 'Remarks' (empty), 'User Type' (General User), 'Belong Area' (cms=0), and 'Copy Right' (empty). The 'Right Control' section is further divided into 'Config Right' and 'Browse Right'. 'Config Right' includes 'Linkage Manage', 'Map Config', and 'Dev Setting'. 'Browse Right' includes 'Talk', 'Preview', 'Playback', 'Download', 'PTZ', 'Alarm ACK', 'Log Query', and 'Matrix Opr'. The 'Save' and 'Cancel' buttons are located at the bottom right of the dialog.

1.8.5 Delete User

Select the user that you want to delete from the user list, and then click “Delete User”.

1.8.6 Channel Password (Administator Password Modification)

Select “administrator” in the user list, click “Channel Password”, input the new information and save, as shown below:



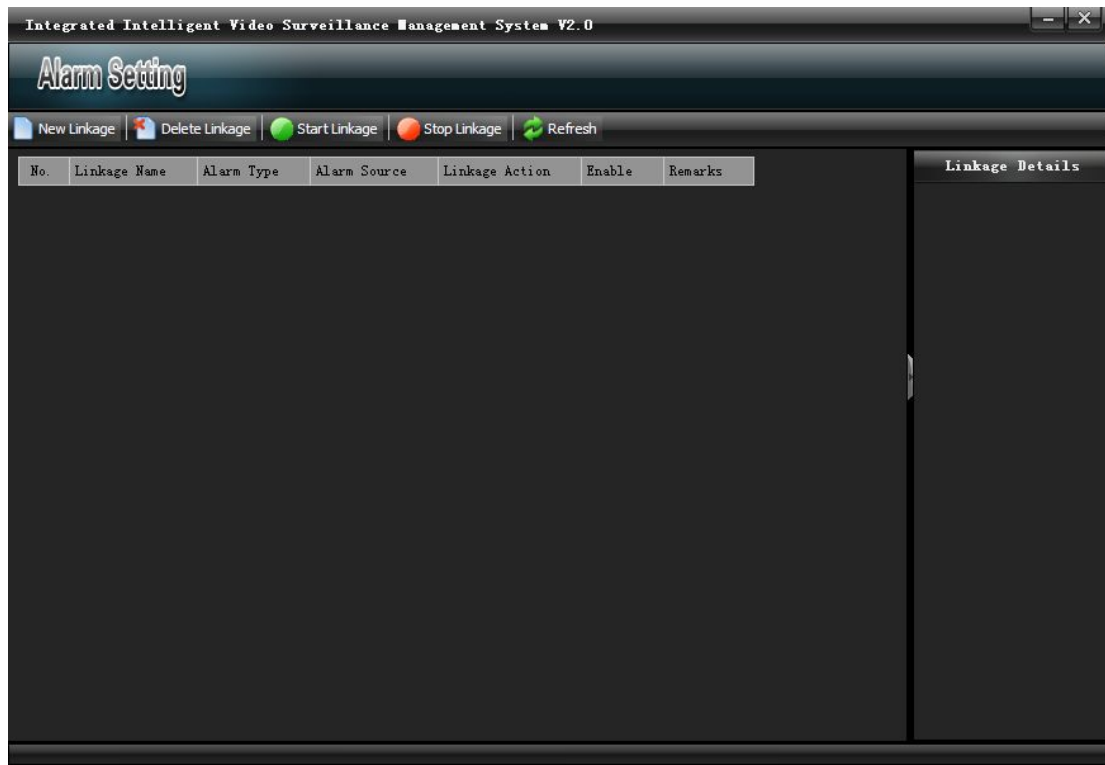
The 'Change Password' dialog box contains three input fields: 'Old Pwd', 'New Pwd', and 'Confirm'. The 'Save' and 'Cancel' buttons are located at the bottom of the dialog.

Note: (“Channel Password” can only modify the password of the administrator)

1.9 Alarm Setting

1.9.1 Alarm Linkage Interface

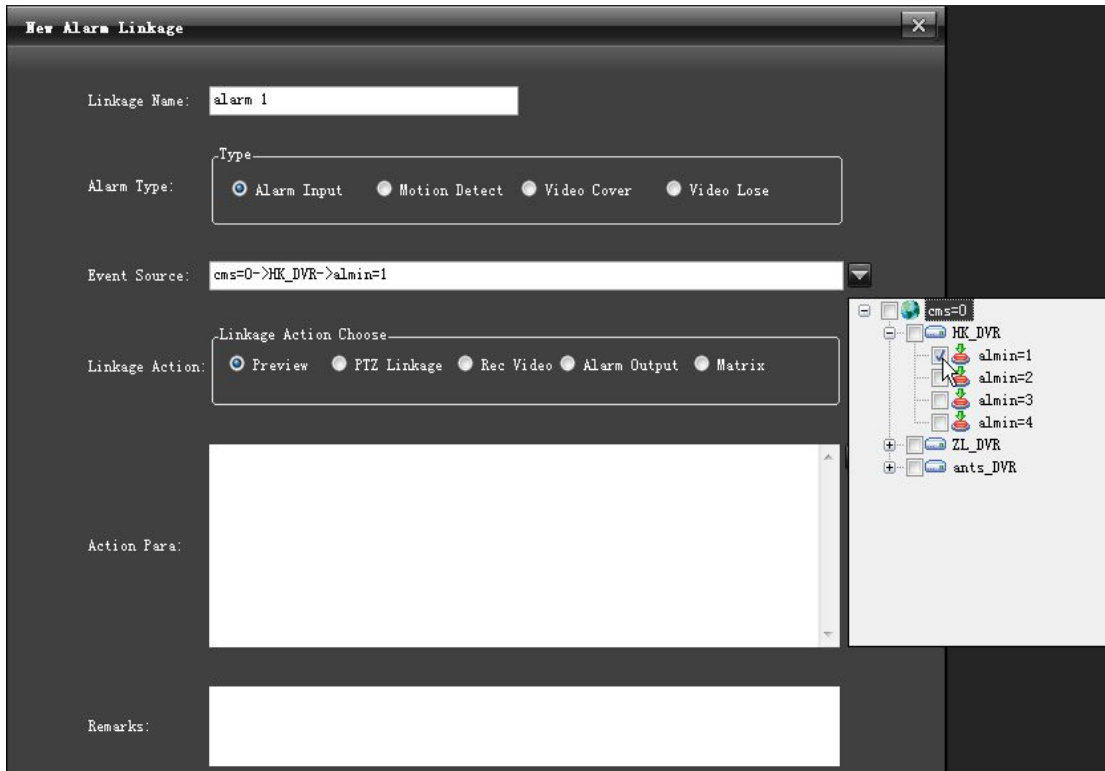
Click “Alarm Setting” part, as shown below:



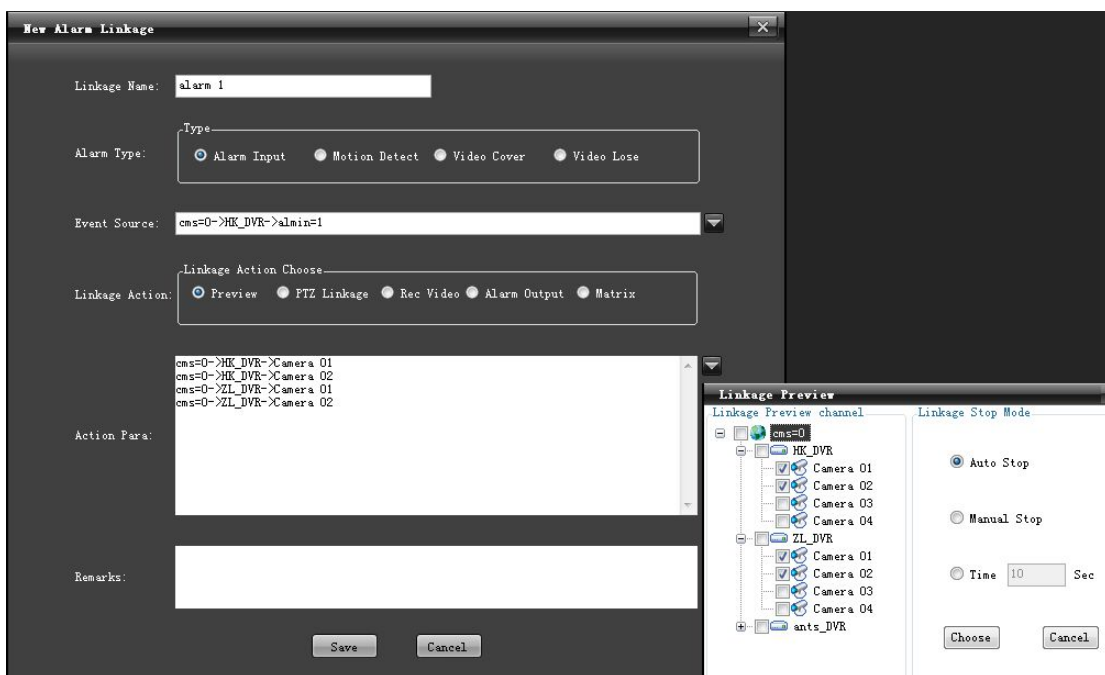
1.9.2 New Linkage

1.9.2.1 Alarm Input

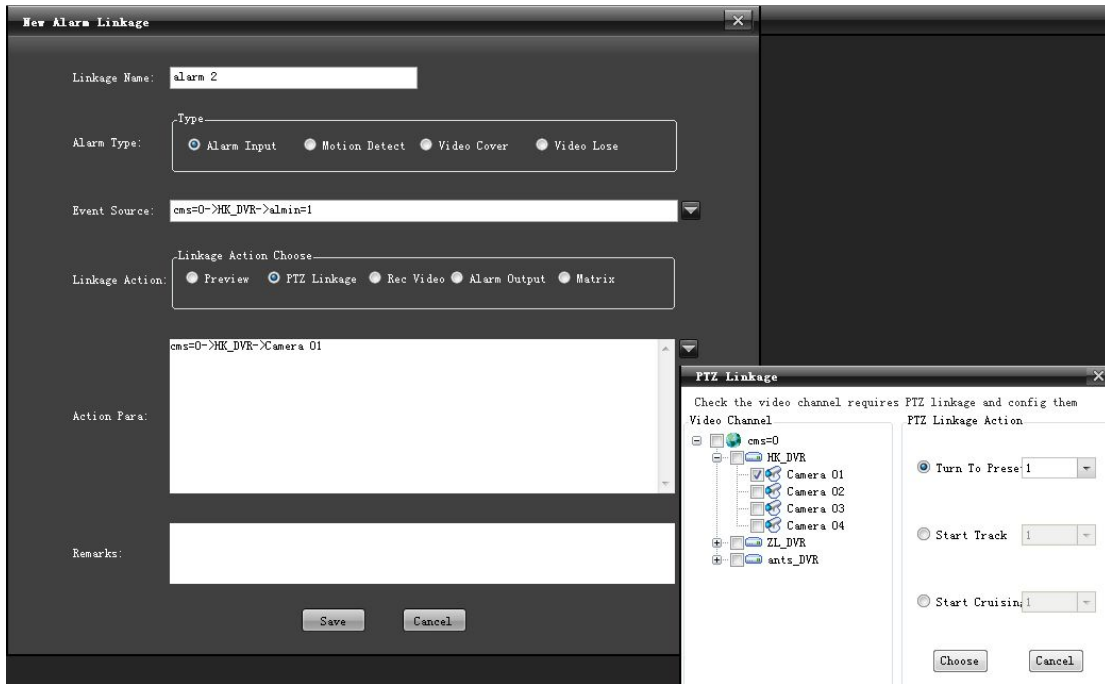
Input linkage name, choose “Alarm Input” and choose one event from the “Event Source”, as shown below:



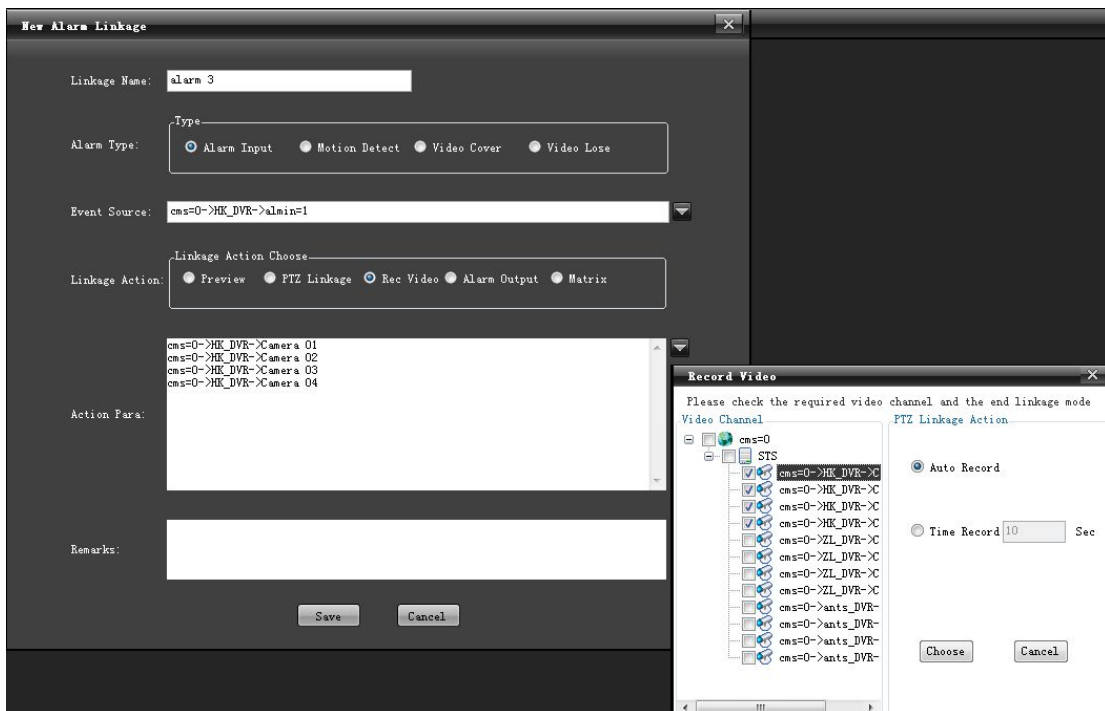
Choose "Preview" in "Linkage Action" column, and choose one or more linkage channels in the drop-down list. The linkage information will show in the "Action Para" column, as shown below:



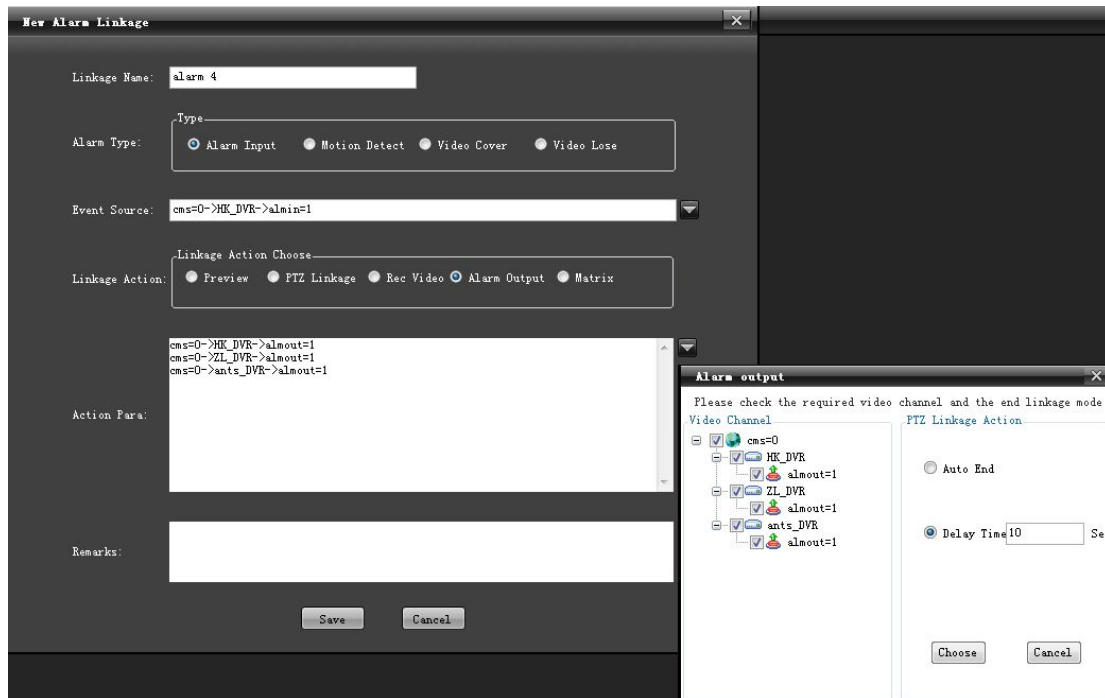
Choose "Alarm Input" again, change the "Linkage Action" into "PTZ Linkage", and select one or more linkage channels in the "Video Channel" list on the left. Choose one action you want to link(preset, track, cruise) in the "PTZ Linkage Action" on the right, as shown below:



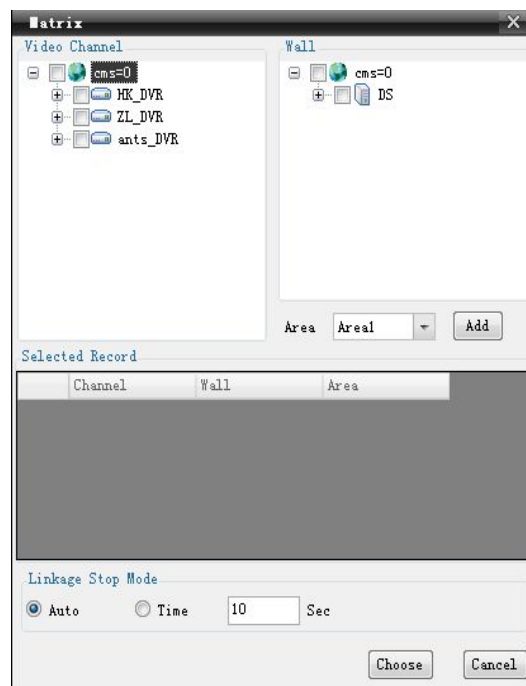
Choose “Alarm Input” again, change the “Linkage Action” into “Rec Video”, and check the video channels of the STS devices on the right of the drop-down list and then select “Auto Record” and “Time Record” on the right of the drop-down list, as shown below:



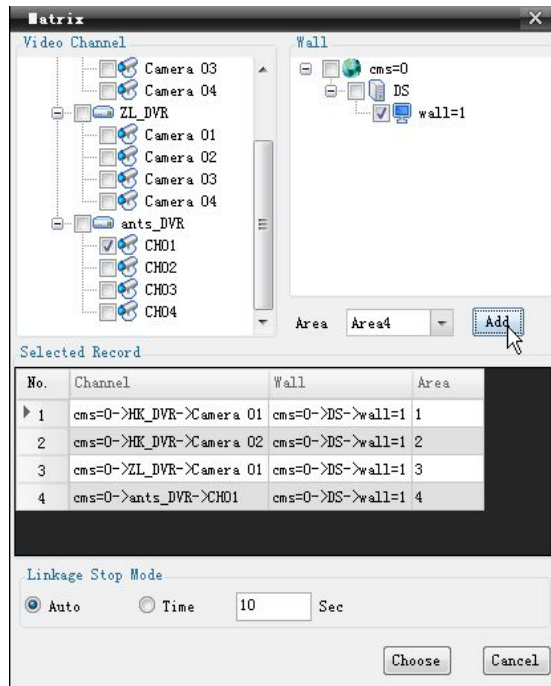
Note: (when select “Rec Video” in the “Linkage Action”, you can record the specified device channel; when select “Auto Record”, there will be alarm linkage happens, and trigger record, alarm clear, record will stop; when select “Time Record”, there will be alarm linkage happens, and trigger record until the setting time ends and record stop.)



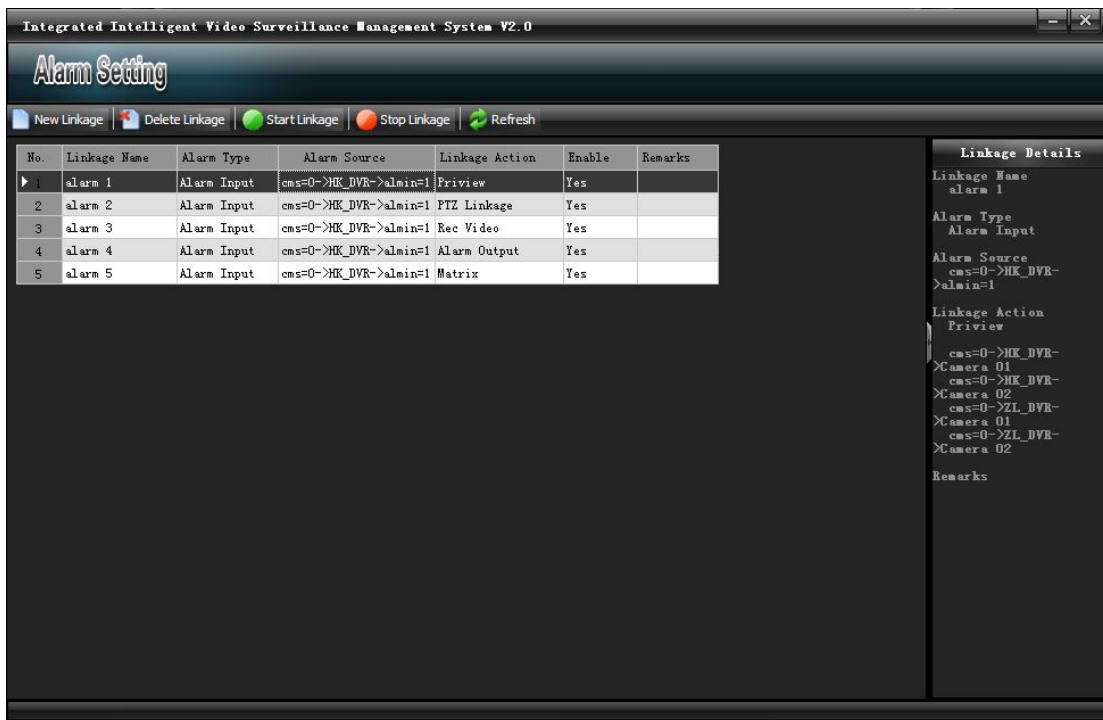
Choose “Alarm Input” again, change the “Linkage Action” into “TV wall”, click the drop-down list to pop-up the setting interface, as shown below:



Select a device channel in the “Video Channel” list, and choose a wall in the “Wall” list, then choose an “Area”, click “Add” and you will see the record you have added in the “Selected Record” list, as shown below:

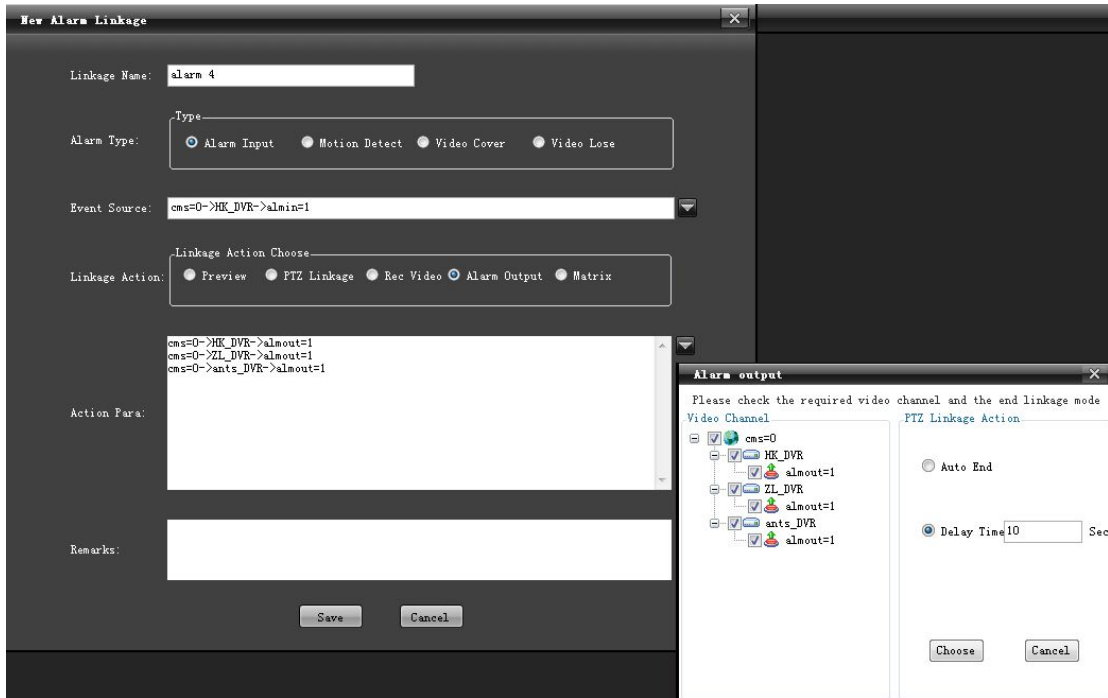


After finish setting, click “Save”, and new alarm will be added successfully, as shown below:

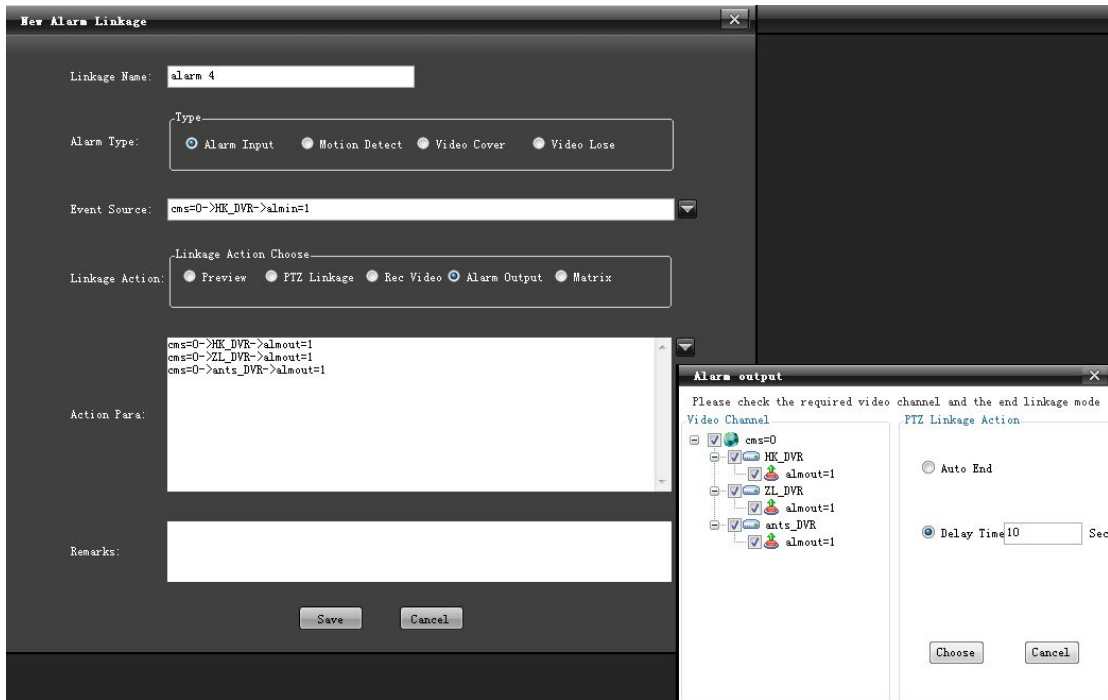


1.9.2.2 Motion Detect Alarm

Input the “Linkage Name”, choose alarm type, and choose an event source in the drop-down list, as shown below:



Select “Preview” in the “Linkage Action” column, and select one or more linkage channels in the drop-down list, and you will see the linkage information added in the “Action Para” box, as shown below:



Select “Motion Detect” again, change the “Linkage Action” into “PTZ Linkage”, while for the settings of “Rec Video”, “Alarm Output” and “TV Wall”, please refer to the instruction of “Alarm Input”.

1.9.2.3 Video Cover Alarm

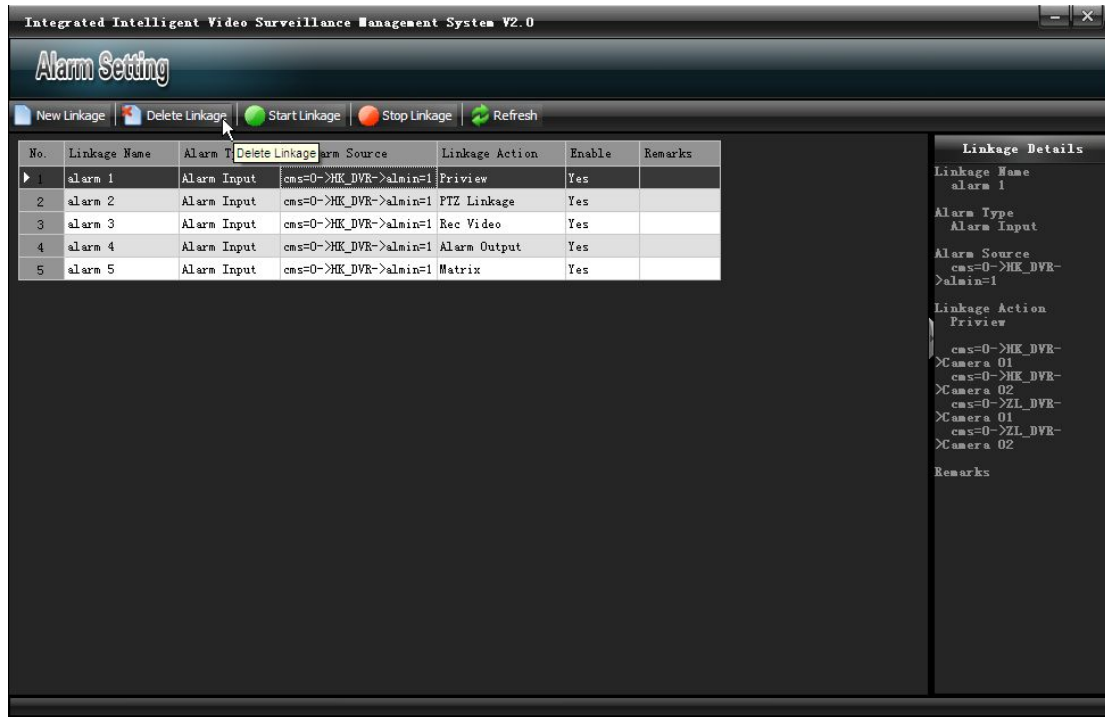
For the settings of “Video Cover” alarm, please refer to the instruction of “Alarm Input”.

1.9.2.4 Video Loss

For the settings of “Video Loss” alarm, please refer to the instruction of “Alarm Input”.

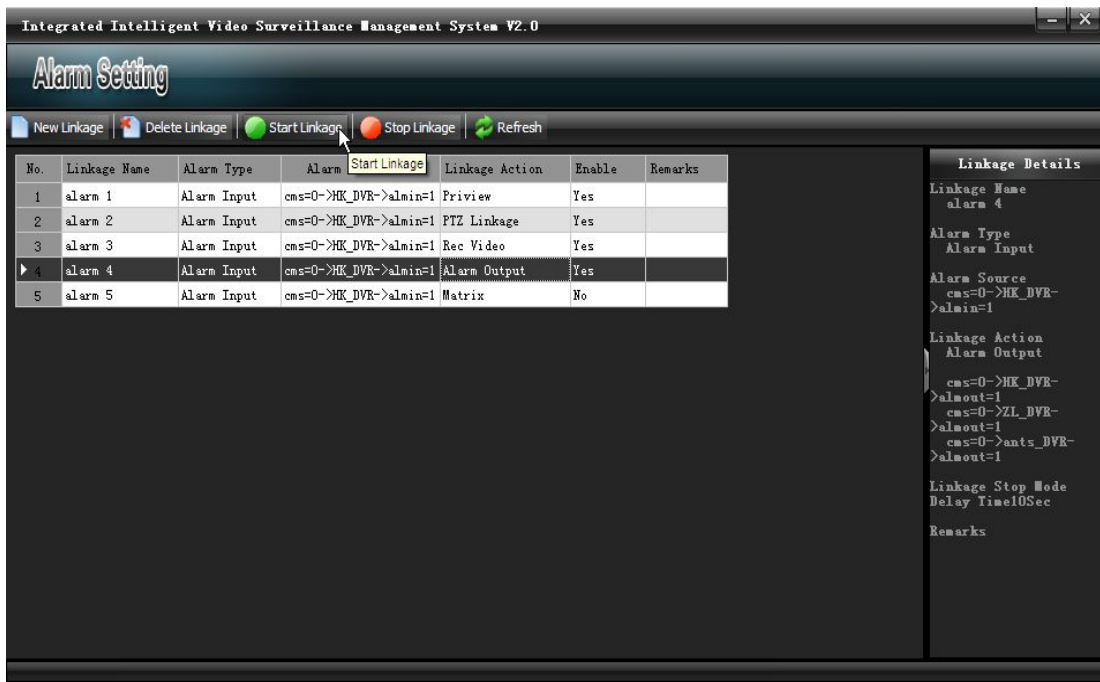
1.9.3 Delete Linkage

Select the linkage type which you want to delete in the linkage information list, click “Delete Linkage”, and the linkage information will be deleted successfully, as shown below:



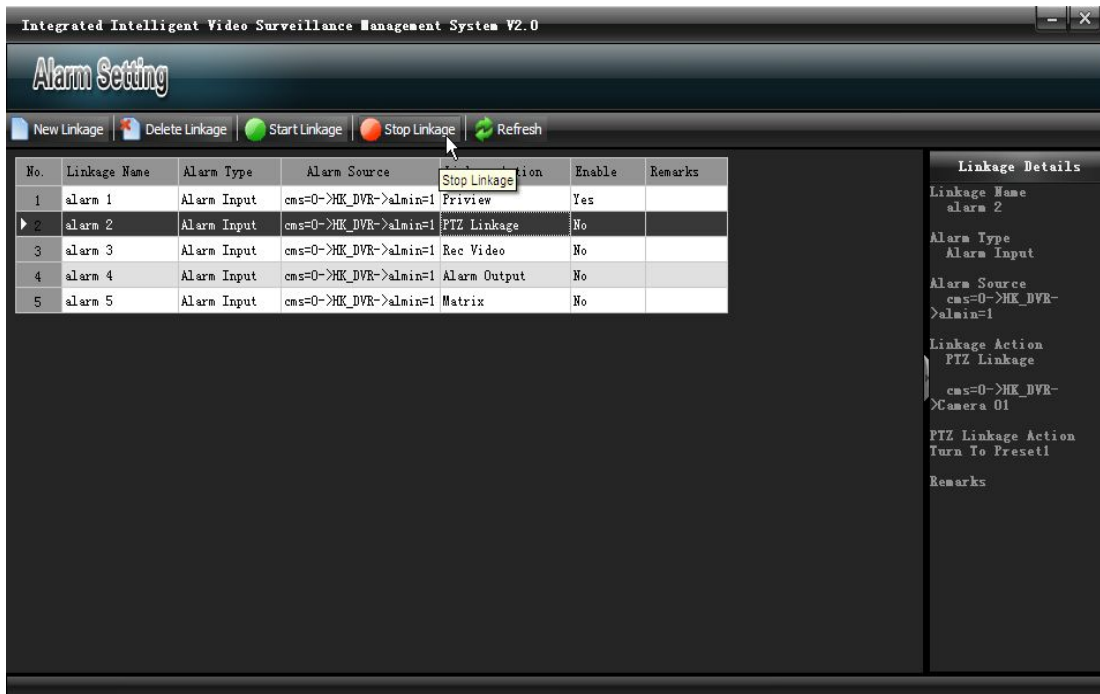
1.9.4 Start Linkage

Select the linkage type which you want to start in the linkage information list, click “Start Linkage”, as shown below:



1.9.5 Stop Linkage

Select the linkage type which you want to stop in the linkage information list, click “Stop Linkage”, as shown below:



1.9.6 Refresh

Click “Refresh”, you can refresh the current linkage information list.

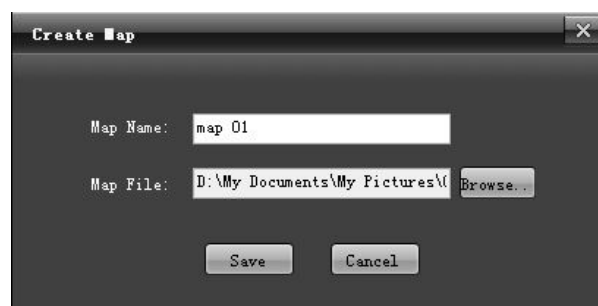
1.10 Map Configuration

Click “Map Config” part, enter the map setting interface, as shown below:



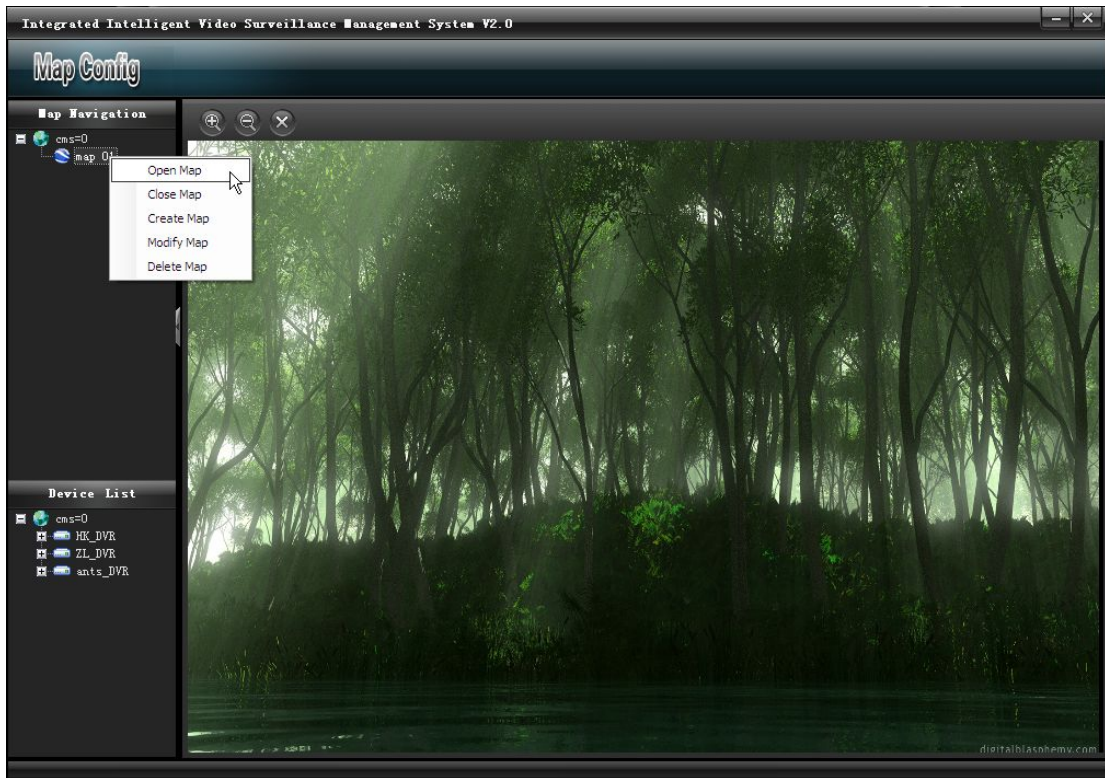
1.10.1 Create Map

Select one area in the left information box of the “Map Config”, click the right mouse button, select “Create Map” and input the map information, click “Save”, as shown below:




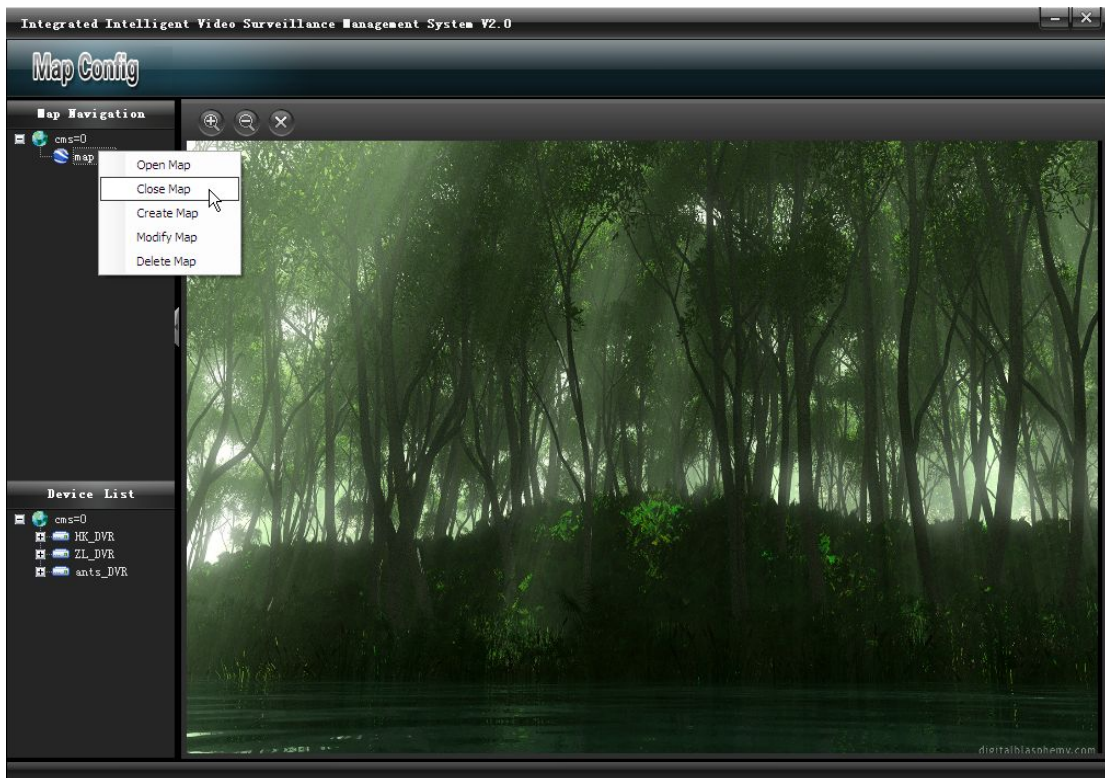
1.10.2 Open Map

Double-click the map icon, or select the icon, click the right mouse button, select “Open Map”, as shown below:



Close Map

Click close button  or select the icon, lick the right mouse button, select “Close Map”, as shown below:



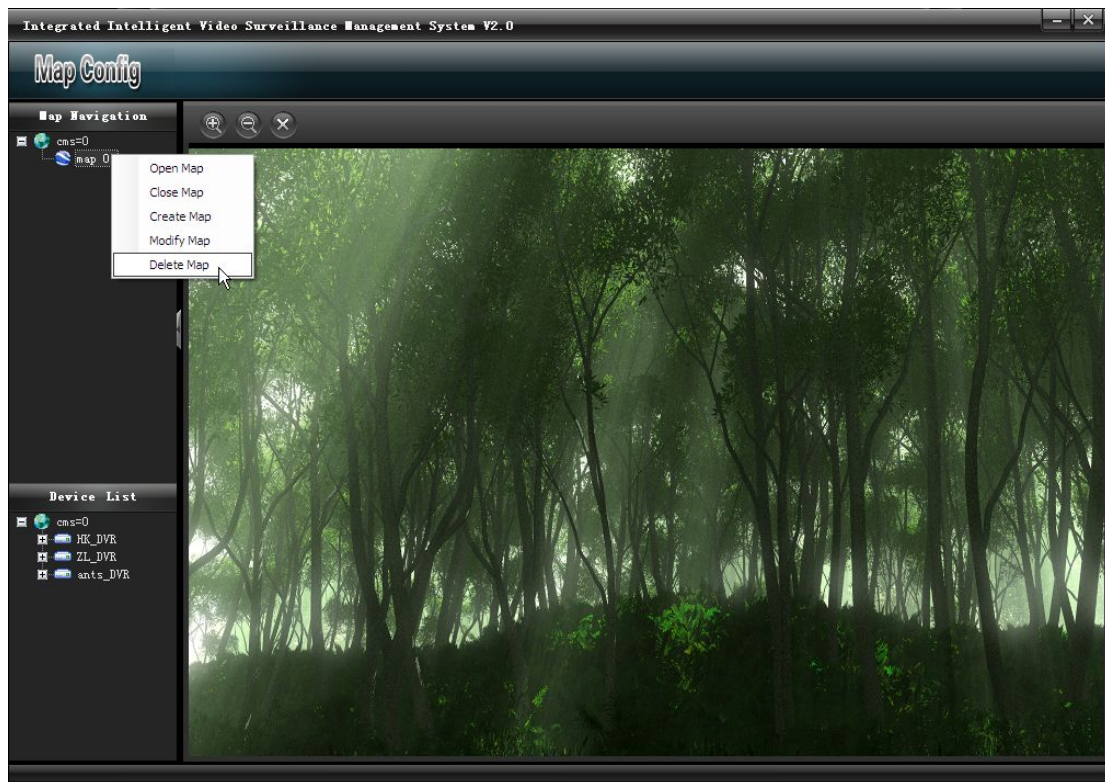
1.10.4 Modify Map

Select the icon, click the right mouse button, select “Modify Map”, input the modification information, and save, as shown below:





1.10.5 Delete Map

Select the icon, click the right mouse button, select “Delete Map”, as shown below:

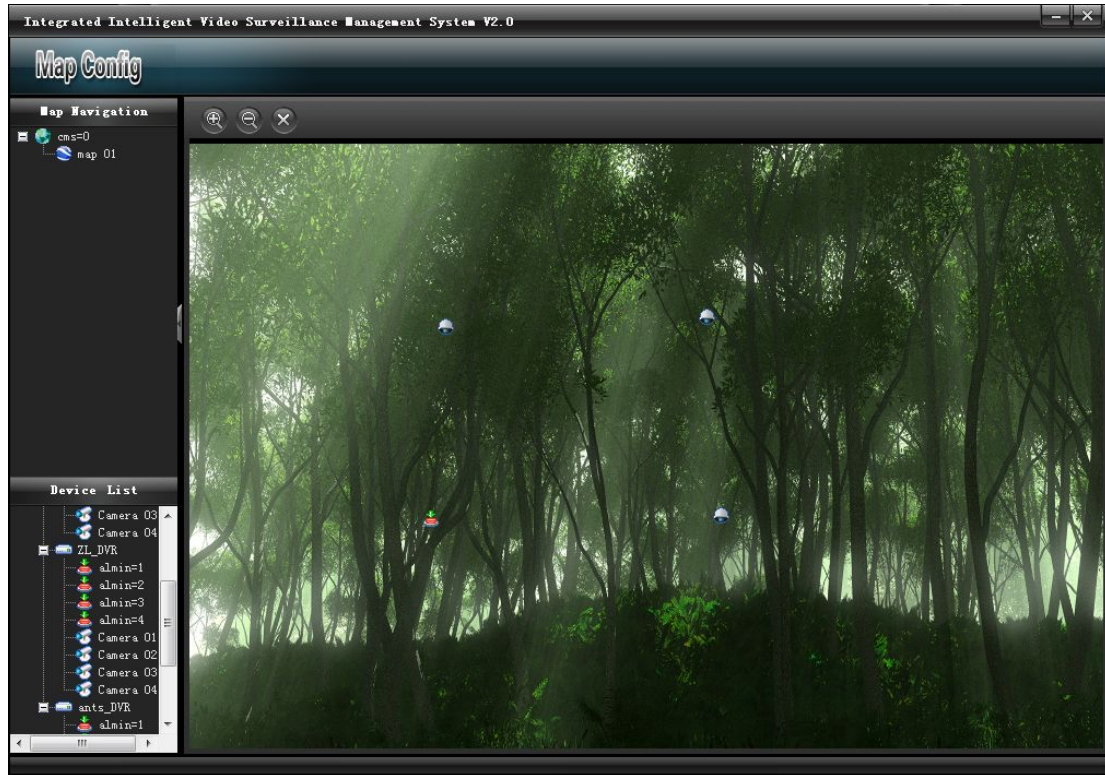


1.10.6 Map Zoom-in and Zoom-out

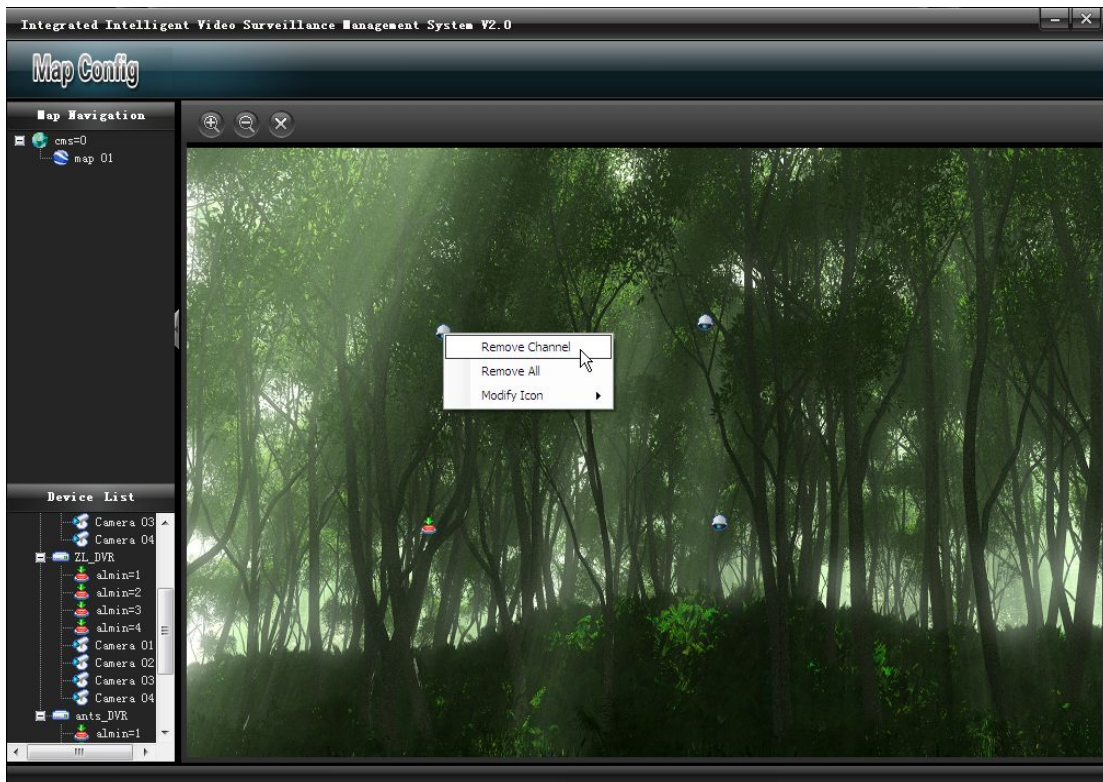
Click the zoom-in button , you can zoom-in the map; click the zoom-out button , you can zoom-out the map.

1.10.7 Video Source and Linkage Source Schedule

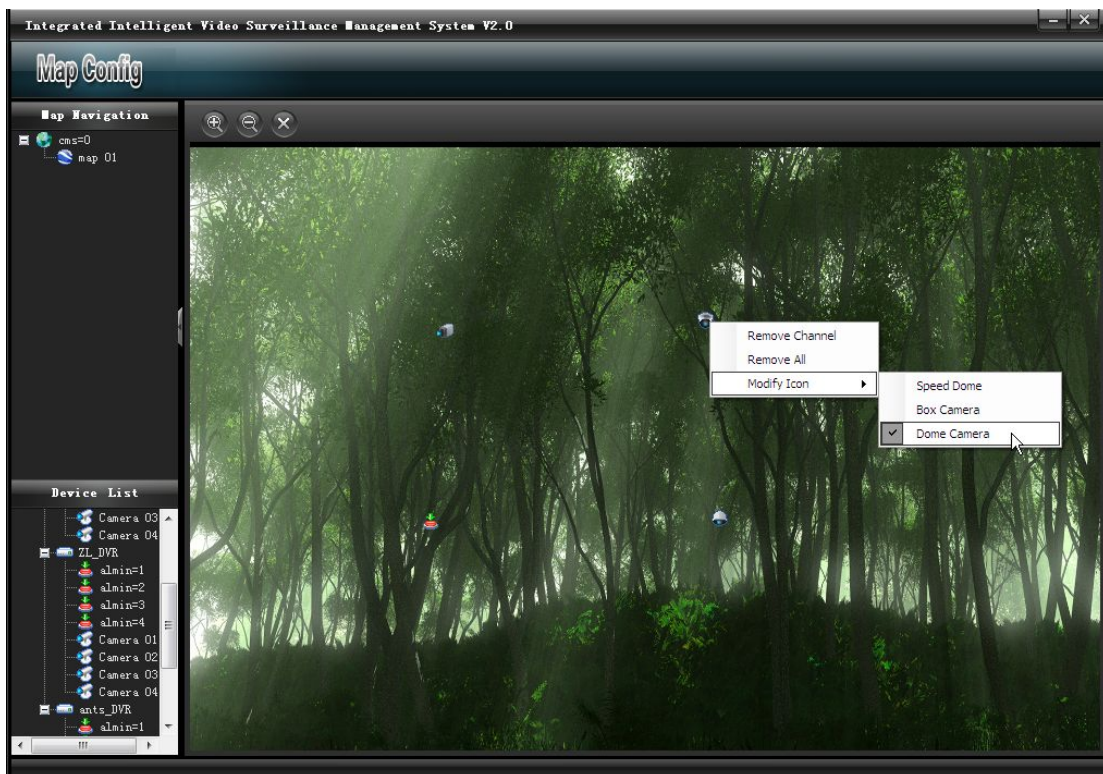
Drag the monitoring channel and alarm channel from the device list on the left side of the main interface to the map on the right directly, you can schedule. You can schedule multiple channels and alarm input, as shown below:



Select the monitoring channel and alarm channel scheduled on the map, click the right mouse button to select “Remove Channel”, you can delete the scheduled video and alarm channels(“Remove All” can remove all channels), as shown below:



“Modify Icon”, you can modify the icon according to your need by yourself, as shown below:

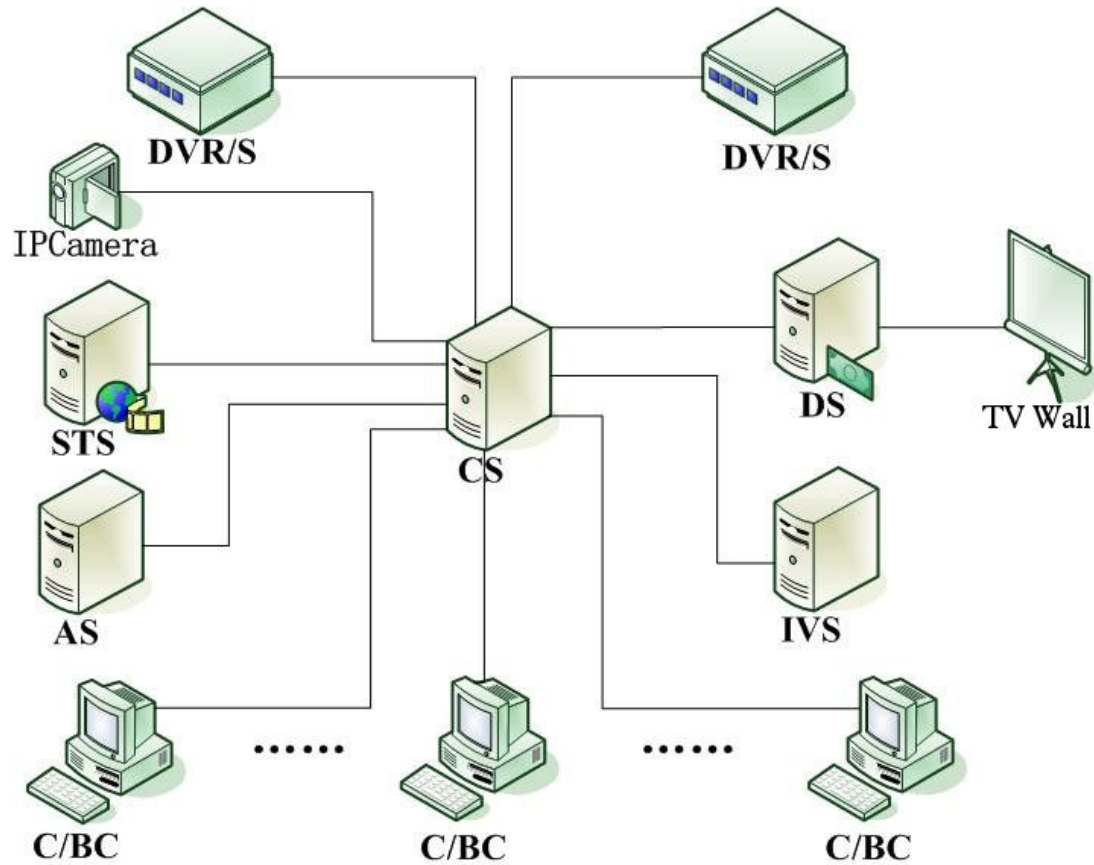


III Application Scene

The system platform provides different framework supports against real network environment or

application environment. There are some classic application scenes listed below:

Scene 1

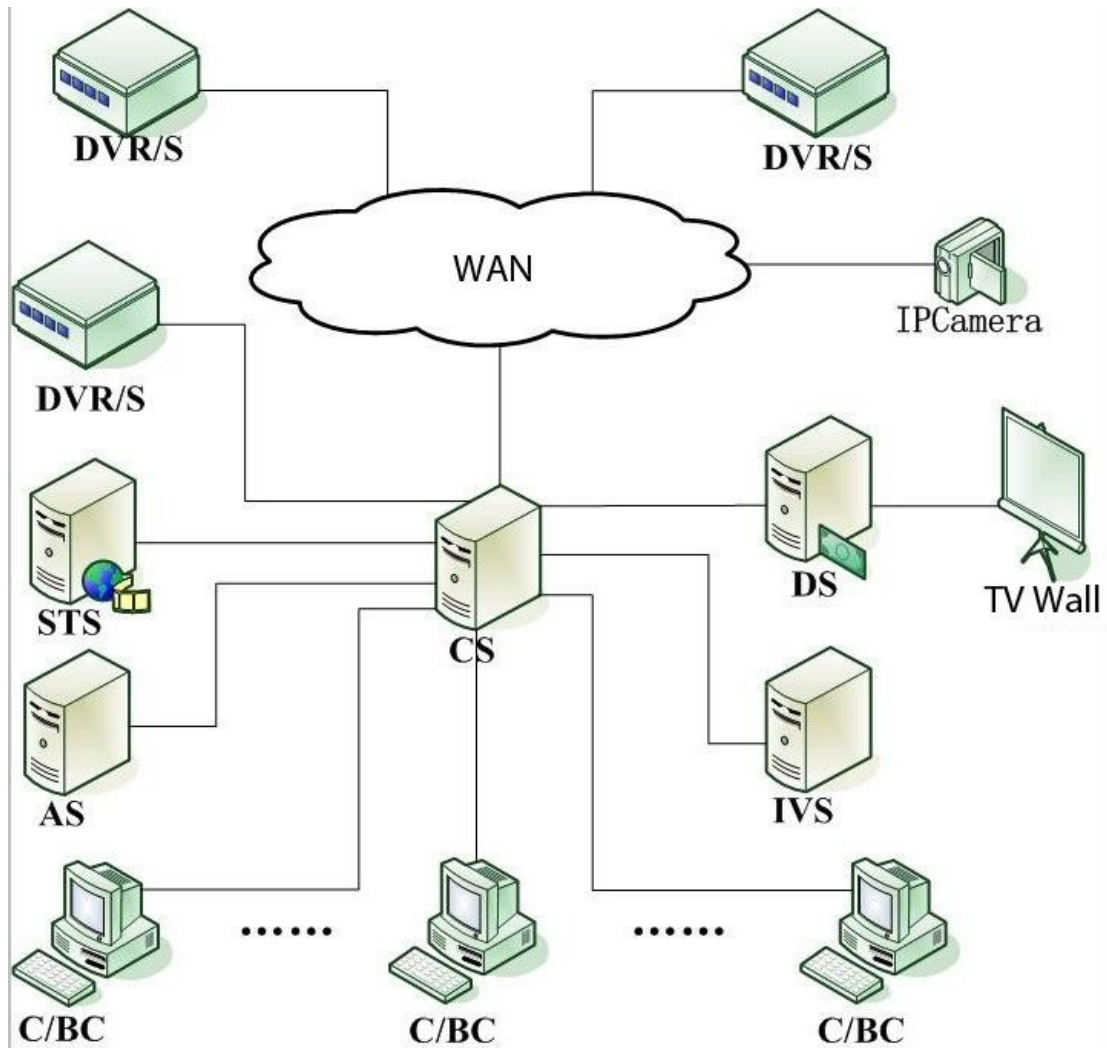


Scene 1 All DVRs/DVS, Server, CC, BC, IPCamera are in the same LAN.

Note:

- The DS server is not needed if there is no TV wall.
- The CS server is not needed if the central server record is not necessary.
- The AS server is not needed if the alarm server alarm is not necessary.
- The IVS server is not needed if the intelligent video analysis server is not necessary.
- STS is a storage forward server. If remove this server, then all video will adopt direct connection, but this is not suggested. STS can reduce the connection of the same device and same channel video and save the network resource.

Scene 2



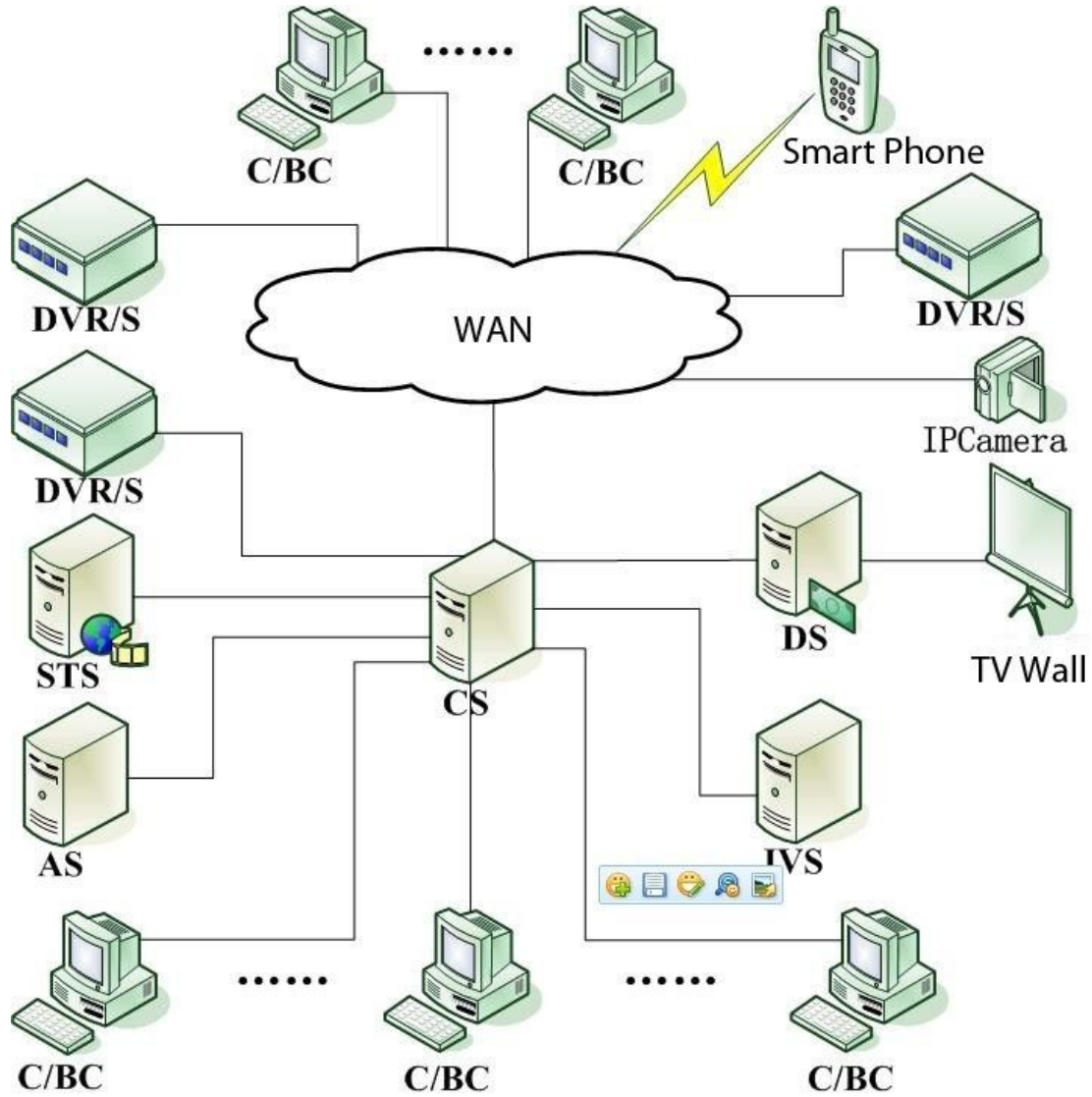
Scene 2 Every server is in the same LAN, some DVRs/DVRs, IPCamera devices are in WAN.

Note:

- STS, CS, DS, AS, IVS servers are not necessary, same as Scene 1;
- DVRs/DVRs, IPCamera devices adopt ADSL dialing or map their signaling port and media port.
- For the devices in WAN, if adopt auto registration mode, then the IP address and the registration port of the management server should fill in the gateway address and auto registration listening port.
- For the devices in LAN, if adopt auto add mode, then you should choose gateway

access through the central server.

Scene 3

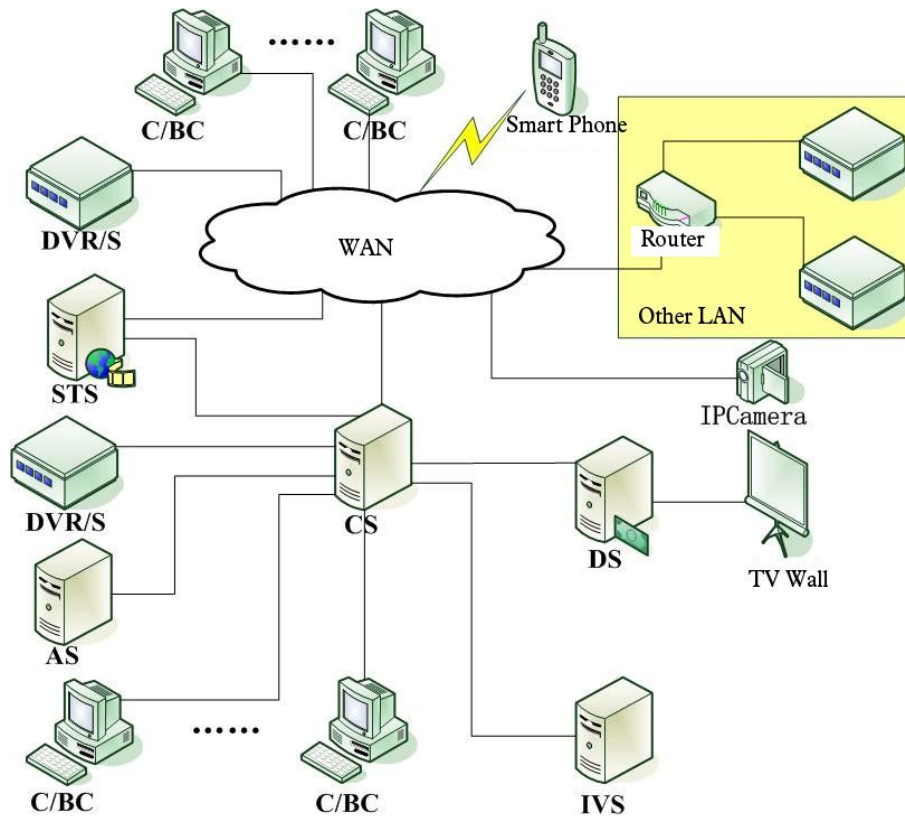


Scene 3 Every server and the platform software are in the same LAN, CS can manage DVRs/DVS, and IPCamera devices in all kinds of network environment and accept the C/BC connection from all kinds of network environment and the visit of smart phones.

Note:

- Smart phone can visit the central server through WAN.
- C/BC client can also visit the STS server through WAN.

Scene 4



Scene 4 Every server is in the same LAN, the DVRs/DVS. IPCamera and C/BC may come from different network environment(WAN)

Note:

- STS server is not a must, same as scene 1.
- CS server should be able to visit WAN. If need to support device auto registration at the same time, WAN should be able to visit the auto registration listening port of the CS directly.
- If C/BC or DS cannot visit WAN, then STS should exist and can visit the signaling port and media port of the devices in WAN.
- If DVR/DVS devices adopt ADSL dialing or map their signaling port and media port, then they can visit WAN directly, and don't need to connect the gateway server with CS directly;
- If the DVR/DVS devices are in other LAN and cannot visit WAN, then they need a router to switch over. The router should be able to visit CS and CS can visit their signaling port and media port.