

# Network video monitoring software

## The user manual

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# Chapter 1

## monitoring software is introduced

### 1.1 Introduction

The monitoring center management software is used to implement centralized monitoring of front end all network video monitoring equipment, storage, data forwarding, manage, and control. (Including the network video server, network cameras, network, yuntai, etc) Can be set on any device and control, Remote upgrade, etc; support 1/4/6/9/16/24/36 to display single picture, And two-way voice intercom, user management, electronic maps, remote Settings, log retrieval and alarm control, mobile detection, remote search playback,The video, and other functions. Simple operation, friendly interface, powerful functions, easy to install, great convenience users to realize remote network monitoring system of network application.

### 1.2 running the environment

#### 1.2.1 Operating system configuration

32/64bitChinese/English Windows2000/2003/XP/Vista and Windows 7 ,etc ,operating system.

#### 1.2.2 Minimum hardware environment

CPU: Pentium 2.0Ghz

memory:256 MB

Display card:TNT2

The sound card:Need speech listening, two-way radio when necessary

The hard disk:If need to record images, should be not less than 40 G

#### 1.2.3 Recommended hardware environment configuration

CPU: Intel Core2 Duo E7400 2.8G

memory:2G

Display card:NVIDIA GeForce 9600GSO

The hard disk:SATAThe hard disk, More than 8 M cache,2000G

#### 1.2.4 Software environment configuration

IE version 6.0 above

DirectX9.0 version above

TCP / IP network protocol

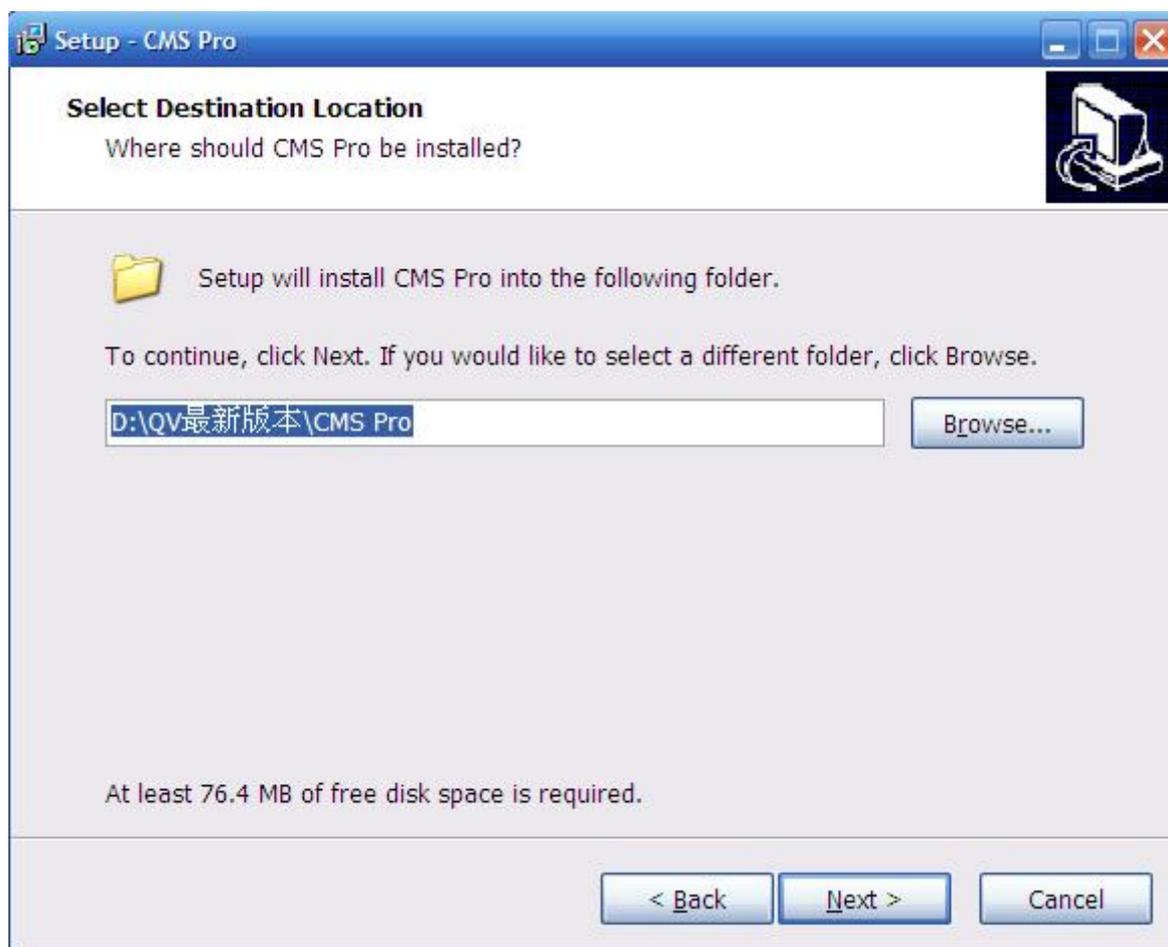
## Chapter 2 install and uninstall

### 2.1 The installation of monitoring software

Select and double click on the [the CMS ] software installer file, dialog box appears as shown in the figure below:



According to clew, click [next]



Select the installation directory, click [next],until [do ]button, click "finish" to complete the installation

## 2.2 Monitoring software of the unloading

There are two ways to the deletion of center management software:

- Ø In the start menu, select the [program]→[network video monitoring system]→[Uninstall] to Uninstall software
- Ø In the open "control panel" add/remove programs dialog,In the program list, select delete "CMS" option.

Delete the following dialog shown in figure:



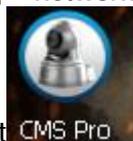
According to clew, click [next] can complete unloading of the software

# Chapter 3

## operation and use

### 3.1 Run the software for the first time

Through the start menu of [application]→network video monitoring system→[CMS]Into the



software; Or double-click the desktop shortcut CMS Pro To log in.

First run the software, the following dialog will appear, requires the user need to register an administrator account

A screenshot of a Windows-style dialog box titled 'Register Administrator'. The dialog has a blue title bar with a close button (X) in the top right corner. The main area contains the text 'Register a user for admin.' followed by three input fields: 'User Name:', 'Password:', and 'Re Input:'. At the bottom of the dialog are two buttons: 'Ok' and 'Cancel'.

Users can according to the need to enter a user name and password, the user name and password for the administrator login software use, should be properly kept

### 3.2 Log in

After registration will pop up the login dialog, after every run software as a pop up the login screen, the following figure:



[username] enter the user name registered.

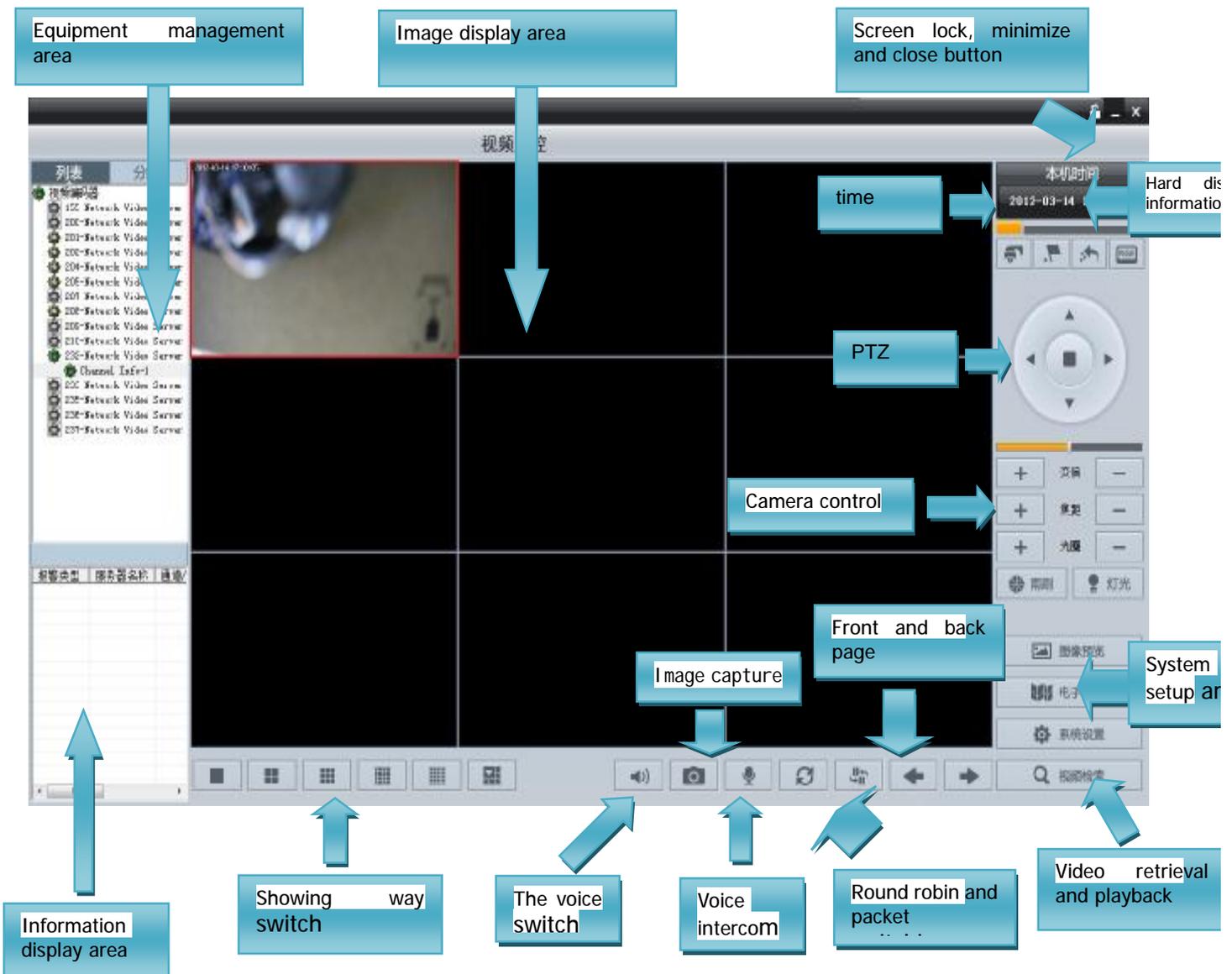
[password] enter registration code.

Chick [sure] to go into the management interface, "cancel" is logged out.

[Remember password] checked, when once again into the management software, the system will automatically login center management software interface.

### 3.3 Software interface is introduced

Management software main interface screen display up to 64 images, according to the need to manually switch the page, or it can be set automatically switch way round robin of the page to display links to each channel.



## Chapter 4 equipment management

### 4.1 Search equipment

Monitor main screen click on the [system Settings]→[monitory point management], into the equipment management interface, if the equipment connection is correct, click the [search], column can display equipment search all connected devices,

The screenshot displays the equipment management interface. On the left, a table titled 'Search' shows the results of a search for connected devices. The table has columns for Name, Address, WebPort, Comman..., Type, Channe..., and MAC. Three devices are listed:

Name	Address	WebPort	Comman...	Type	Channe...	MAC
ZUMTVNTZ1WA...	192.168.1.103	24317	24317	QV_IPC	1	
WPSTU9CF4KU...	192.168.1.101	2917	2917	QV_IPC	1	
XPM9TDF5JK...	192.168.1.120	65167	65167	QV_IPC	1	

On the right side of the interface, there is a 'Video Encode' panel with a tree view showing a folder 'ipc' containing two items: 'YANTVHTR9AP99JCU4CJ' and 'ZUMTVNTZ1WATU5WWUM61'. Below the table and video encode panel, there is a vertical toolbar with buttons for 'Search', '>>', '+', 'Modify', and 'Delete'.

### 4.2 Add equipment

Choose the need to add the device, click  button, Or directly click on the , Add dialog enter the equipment, As following:

The 'Add Server' dialog box is shown with the following fields and values:

- Device Type: QV\_IPC
- Device Address: (empty)
- Local Name: (empty)
- Date Port: 8200
- Stream type: LAN
- Net Protocol: QV\_NET
- Channel Num: 1
- User Name: admin
- Password: \*\*\*\*\*
- HD Optimization

Buttons: Add, Cancel

Users can custom [server name] to facilitate the query interface devices. Correctly enter the server user name and password to log in, click on the [set] can complete the add operation of equipment.

For the remote device control for centralized management, need to manually add a server, manually add server steps are as follows:

Click the "add" button, set box will pop up is as :

The 'Add Server' dialog box is shown with the following fields and values:

- Device Type: QV\_NVR
- Device Address: (empty)
- Local Name: (empty)
- Date Port: 8200
- Stream type: LAN
- Net Protocol: QV\_NET
- Channel Num: 1
- User Name: admin
- Password: \*\*\*\*\*
- HD Optimization

Buttons: Add, Cancel

**Step 1:** click the server type drop-down options dialog, choose the need to add the device type

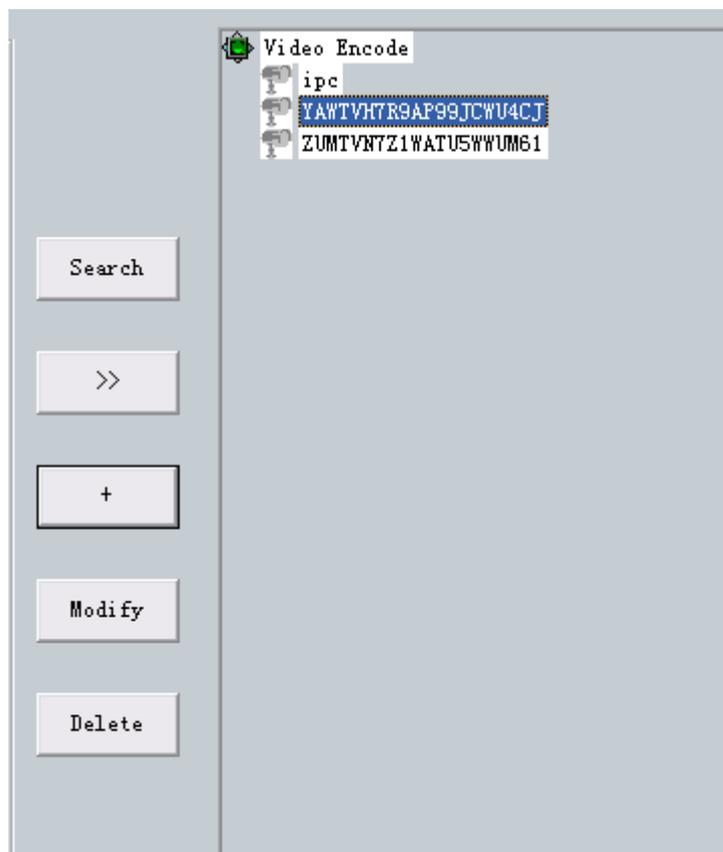
**Step 2:** the server address bar, type the address of the device (please fill in the IP address or domain name)

**Step 3:** the server name field enter the user customize the local name

**Step 4:** in data port, set up equipment data port, DVS/IP Camera, DVR defaults to [8200], the port can be customized, according to the network setup port value to fill in the data, code flow type select "WAN".

**Step 5:** enter the server user name and password to log in, click "Settings" added complete

## 4.3 Modify the node



Choose the device needs to be modified, click the "modify" button, or double-click to modify equipment directly, enter the equipment changes dialog box, as follows:

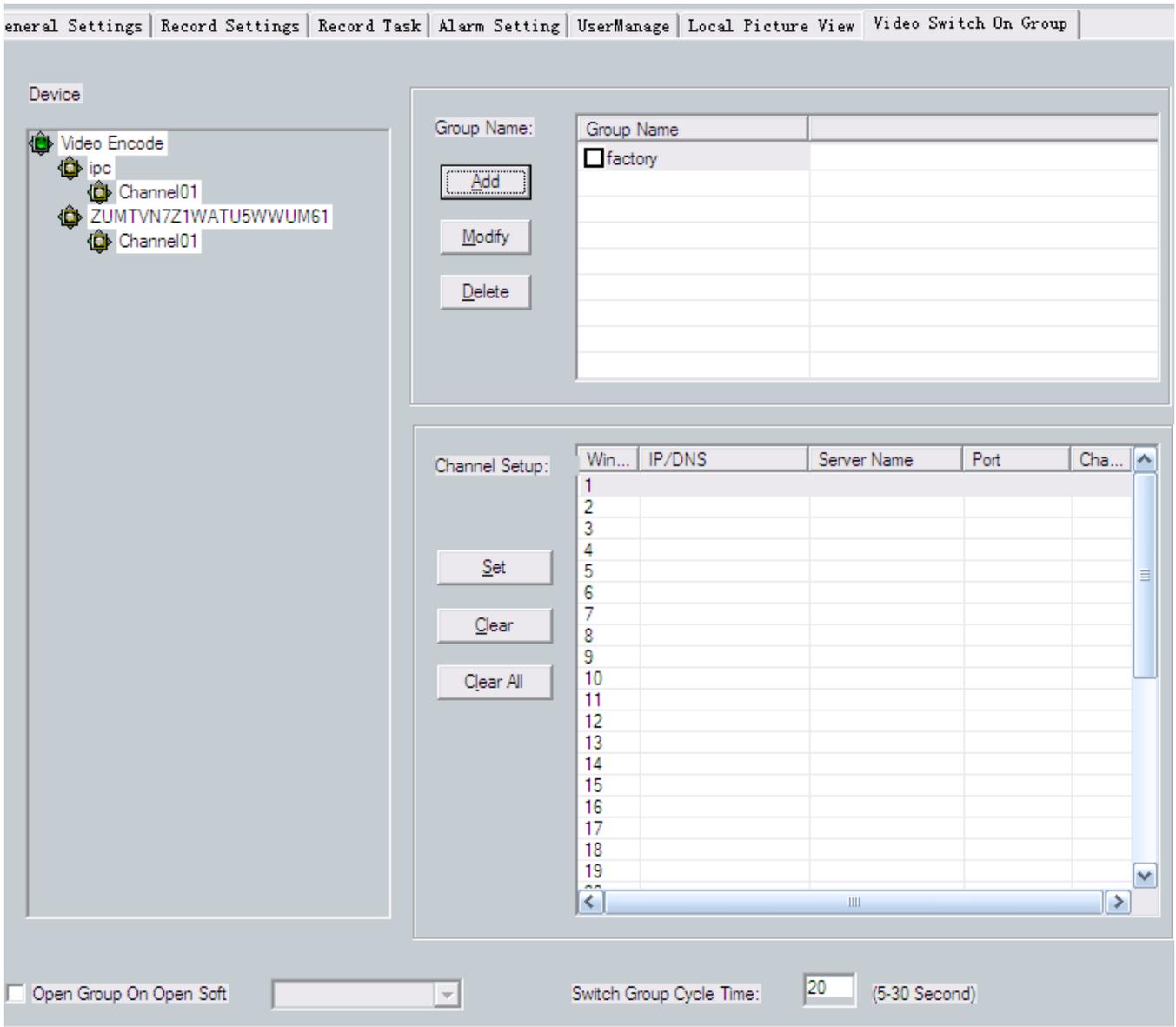
User to the [server name], [code flow type ]for custom changes, for the main query interface devices. Click on the "Settings" button to complete modification, and save the parameters

#### 4.4 Delete Node

Select need to delete the device, click [delete] button, can complete to remove the equipment operation

## 4.5 GROUPING SETS

Users can according to the requirements, set up multiple groups, for grouping video display or switching



Packet switch setup steps

**Note:** only with the method of automatically log in the server, the ability grouping switch Settings

**Method one:** in the packet switch Settings box set(set up factories, for example)

**Step 1:** set the video server to automatically login mode

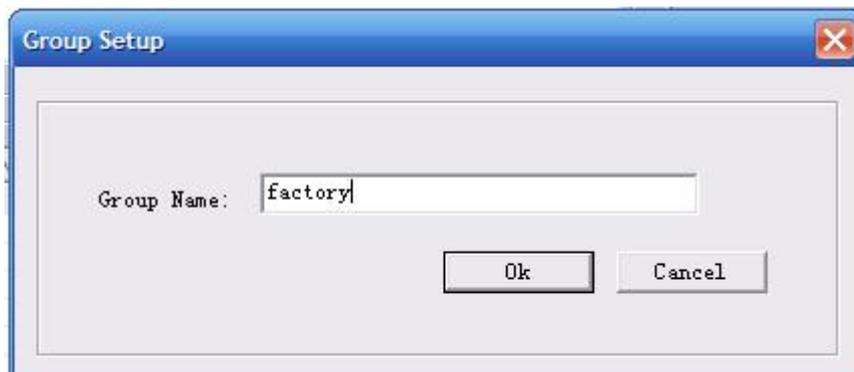
In the software window, select the video server, right-click and choose "properties", Pop-up

box to [change the server parameter Settings], Select enable automatic login server button, Fill in the correct "user name" and "password", click "Settings", Save the parameters, as shown in the figure below:



### Step 2: add a grouping

As shown in the above, click on the "create group" button and add the group name



### Step 3: the video server to group

Select this group, click on the "add channel" button and add the required delimits the video server to this group, a group can delimit 36 video channels at the same time, you can add up to 36 group

**Step 4:** In [packet switching time interval] set cycle switch time between each group, the shortest switching time interval for 5 s, the longest time interval of 120 s

**Step 5:** Select [applications] save Settings

**Method 2:** quick setup packet(to set the "factory" as an example)

**Step 1:** set the video server to automatically login mode

**Step 2:** open video window area need to included in the group of channels

**Step 3:** click the right mouse button, select [the open channel for group save the current]

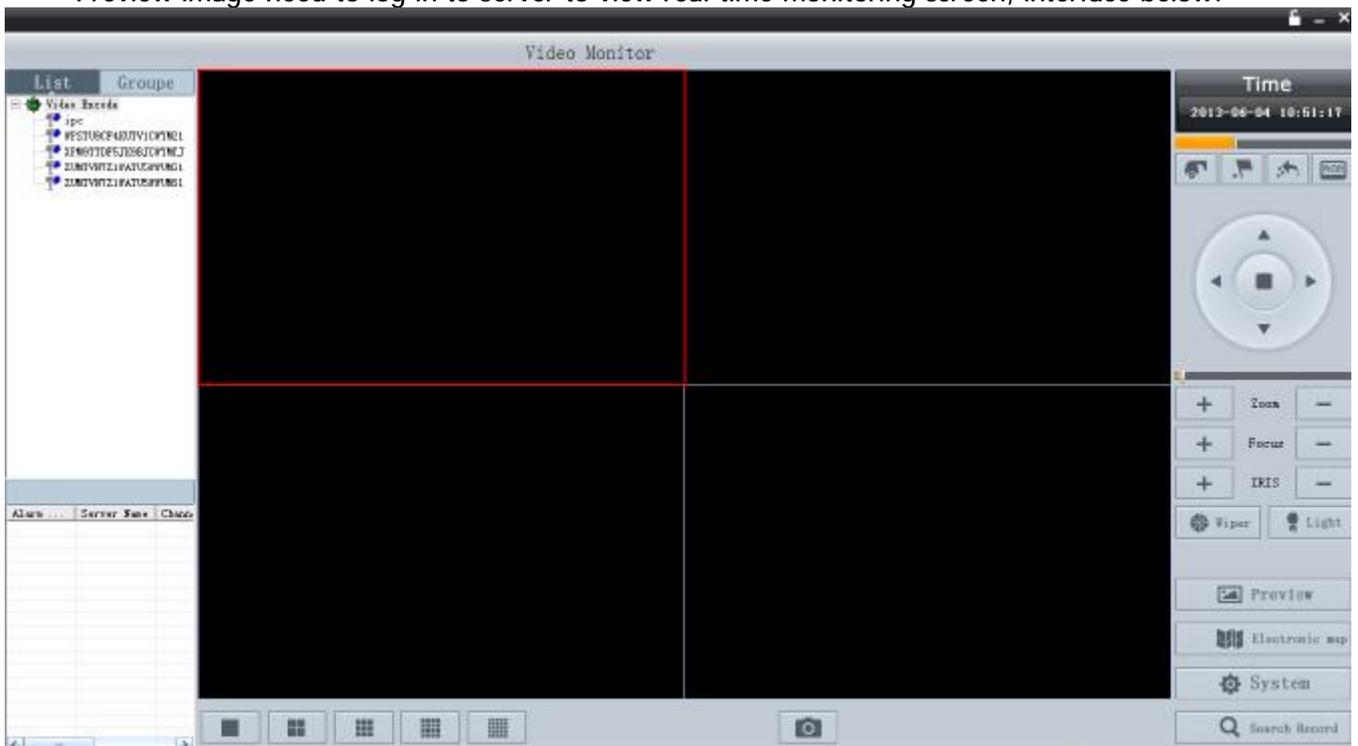
**Step 4:** fill in the user's own set of group name: such as "factories"

**Step 5:** click "sure", save the Settings

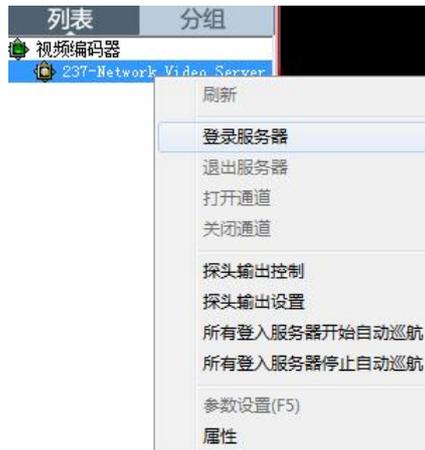
## Chapter 5 preview image

### 5.1 The image preview

Preview image need to log in to server to view real-time monitoring screen, interface below:

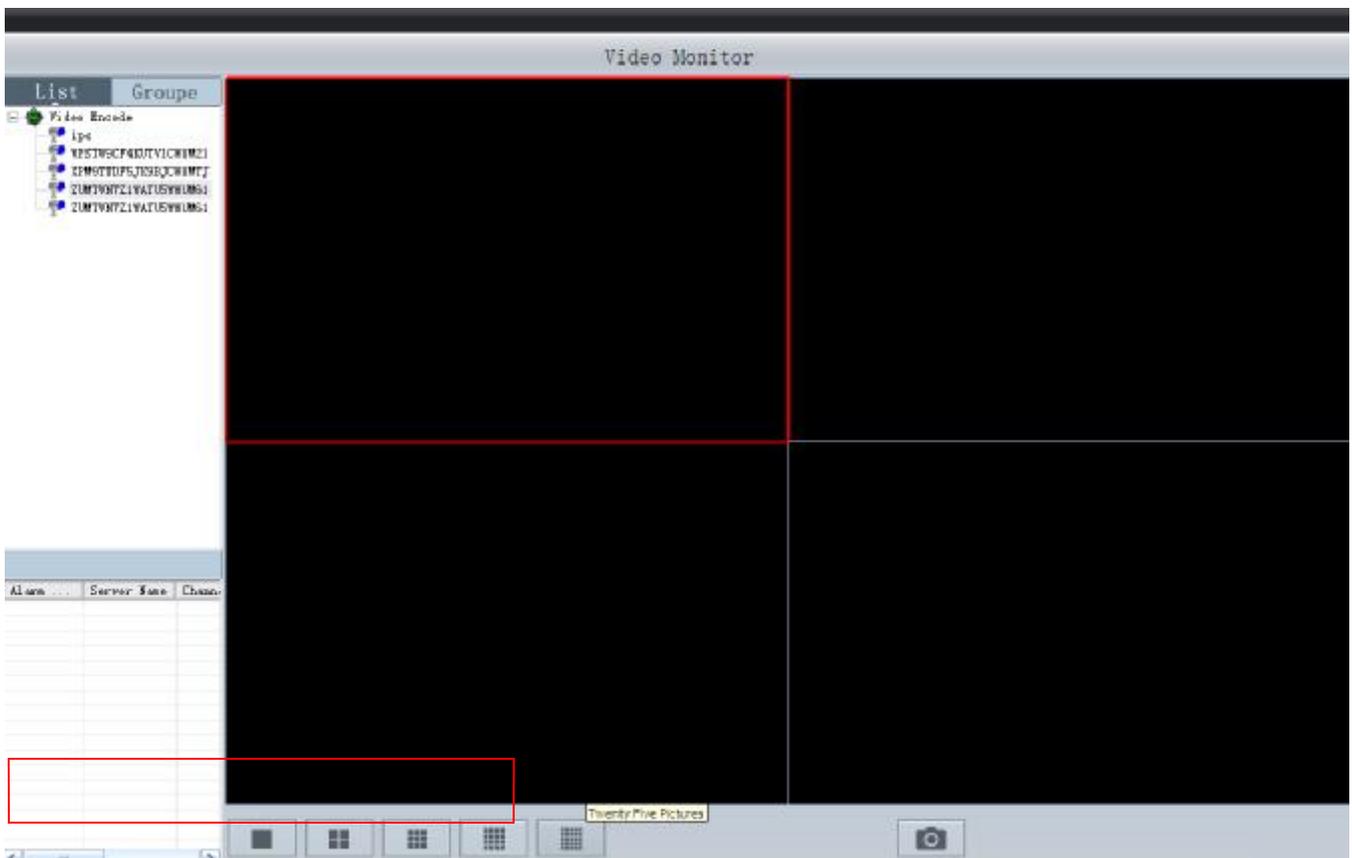


Login server: right-click device name, login server, open the channel, you can view the image



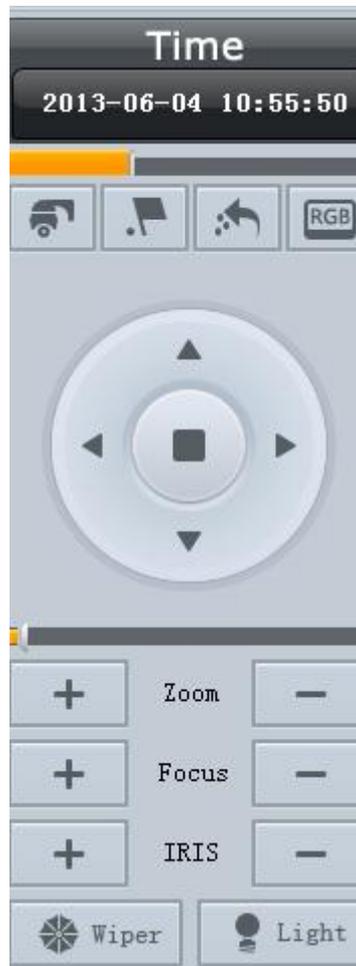
Open channel: the right login device channel - open the channel, can view real-time surveillance images

Showing way switch: by clicking on the main interface of the lower left button, can change the monitoring picture display, single highest support 64 road, the following figure:



## Chapter 6 PTZ control

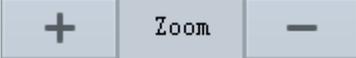
### 6.1 PTZ control

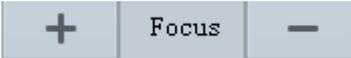


#### Button instructions

 Light On or off the lights

 Wiper Open or close the windshield wiper

 Adjust the zoom multiples, (+) for lens to achieve multiple increases, (-) to the lens to achieve multiple is reduced, as shown in the above

 The course is to choose the point clearly; By (+) and (-) to manually adjust the focal length of the lens, the best definition, as shown in the above

 Adjust into the light; (+) lens aperture open, (-) lens aperture closed, as shown in the above  Click the direction, can be controlled well up, down, left and right automatically rotate, as shown in the above.

## Chapter 7 video recording and playback

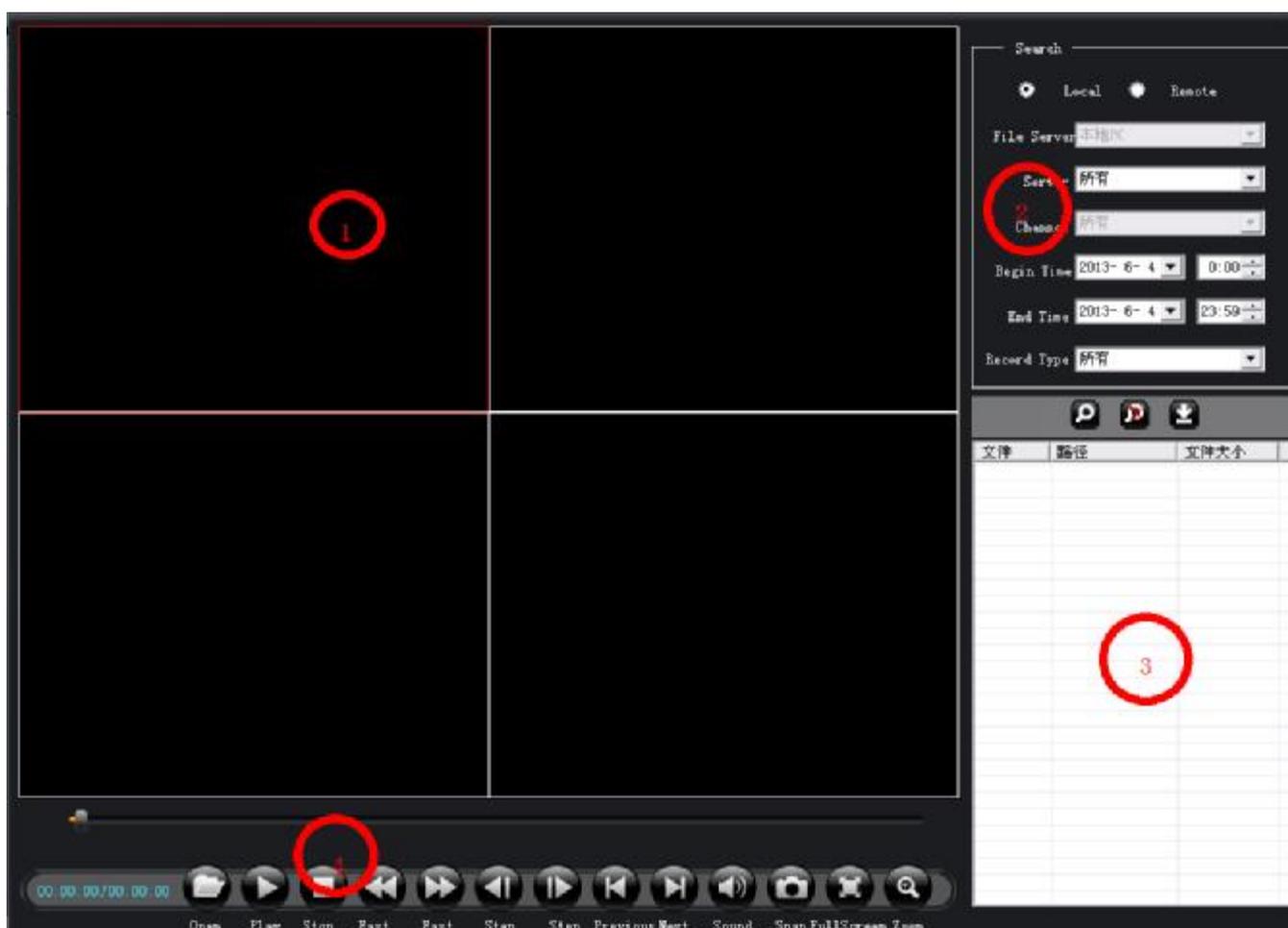
### 7.1 Video retrieval

#### 7.1.1 Video retrieval

Video retrieval area as shown in figure:

- 【 2 】 select query video recording the date and time.  
Set the channel and type of query. Click on the search  
Can be displayed in the 【 3 】 all the video replay file

#### 7.1.2 On demand control



① .Replays showed interface

② .Time to choose, can choose need to query the video here the date and time.

③ .Retrieval of the video playback file display area

.Select a video file, click "download" to download the video file to local hard disks, and "show download task" to view the download progress

- ④ .The selected video files to "play", "pause", "stop", local operations such as "electronic amplification", also can be used to "open" the local video file to playback operation.

## 7.2 The local video recording and playback

### 7.1.1 The video Settings

Function description: set the path of the video file, under this option can be intuitive show drive capacity, and the size of the space available, making it easy for users to choose according to actual situation recorded on location

Local Record Disk:

Disk	%Free	Free	Total
<input type="checkbox"/> C:\	3.21%	823.07M	25603.56M
<input checked="" type="checkbox"/> D:\	64.42%	16497.85M	25611.41M
<input type="checkbox"/> E:\	59.99%	15058.70M	25101.53M

Record Size:

MaxTime: 30 Minute

MaxSize: 100 M Bytes

Keep Free Space: 2048 M Bytes [2048M - 8192M]

Enable Prestore Record: 30 s

Enable Channel Name As Record Path.

Start Record On Open Channel

Enable Snapshot: 60 (5-600)Second/Pic

For example: the need to keep the video file in D disk, the method is as follows: check the[D set], system will create folder in D packing directory NVFile, then all video files about this center management software, information such as snapping pictures are stored in this directory

### Video package length is set up

User can set the video package length according to the demand, there are two kinds of packaging

- 1, According to the length of time: minimum packing time is 1 minutes, the longest time was 720 minutes
- 2, According to the file size: the smallest file size is 1 m, 2048 m

### Other Settings

1, This feature [enabling video beforehand] refers to when the system start video alarm linkage, system will be admitted to alarm in advance before the video, the size in the 5 to 60 seconds

2, [Video path use the channel name] select this function, is recorded on the folder name is the name of the channel



**Step 4:** set the timing video [start time] and [end time]

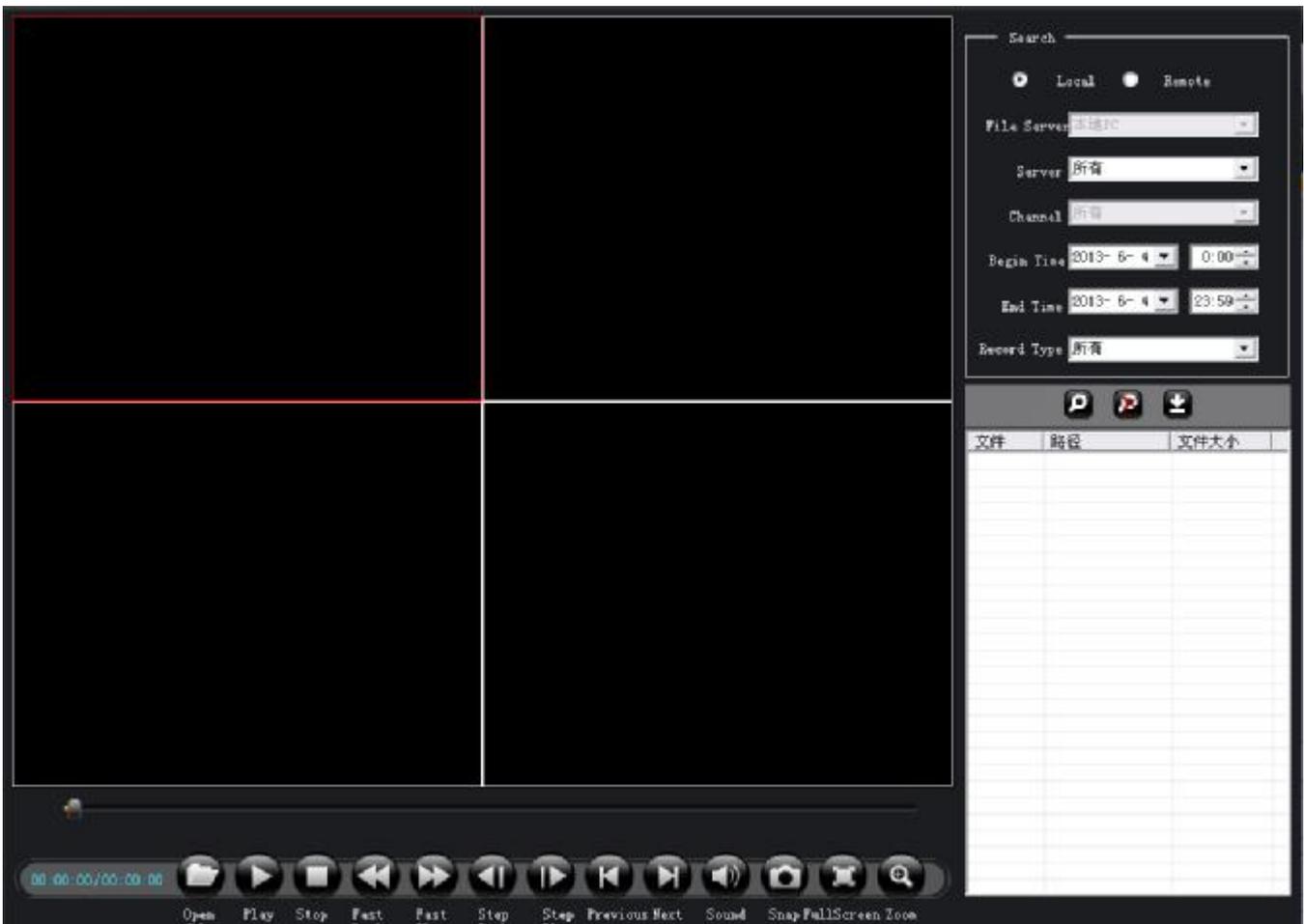
**Step 5:** set the timing video [use frequency], corresponding [per week] and [per day]

**Step 6:** click the "add task" button, and click on "application", save the Settings

### 7.2.3 Playback control

Click video retrieval into the playback interface

Function description: file playback options that can be on video video file playback, support the four channels playback at the same time, and support for video retrieval



#### Function is introduced

[Detection of local] native queries computer disk video file

[Detection of front-end equipment] query mobile disk video file

[Server] at the front encoder address search

[channel] according to the channel number of the encoder to retrieve

The start time of [start time] video retrieval

[End time] termination time of video retrieval

[video type] according to the type of video retrieval

## Chapter 8 FAQ

### A:The Config Tool search less than equipment?

May be caused by a firewall and anti-virus software, close the firewall, antivirus software to try again. In the firewall and antivirus software prompted whether to allow the software to choose to allow access to the network, otherwise can't search to the device.

### B:Why don't PTZ control?

Please according to the following possible causes of illness

- 1, the RS - 485 interface cable connection is not correct,
- 2, yuntai decoder type is wrong;
- 3, haeundae decoders baud rate setting is not correct;
- 4, haeundae decoders address setting is not correct;
- 5, main board of the RS - 485 interface is bad.

### C: IE browse, the control can't download?

1, IE browser to download please click stop controls following set operation

1) open the IE browser, click "tool", below popup Windows



2)Click on the "Internet options", the following figure 8-1 window, select "security"

3) click "custom level", pop-up Settings window, please refer to below 8-2 to enable all features under the "ActiveX controls and plug-in"

4). Click "done", determine the Settings

2,Other plug-ins or anti-virus control stop please close all firewalls and anti-virus software



#### D: color image display is not normal?

1, the bad spot light?

Inspect the site ambient light is normal, increase subsidies for light source.

2, depending on the frequent pattern set is not correct?

Testing equipment video standard (PAL or NTSC) is correct.

3, bright color adjustment parameter setting is not correct?

According to the environment by adjusting the parameters of the bright color values

#### E: no sound when listening?

1, have no access to the audio input device?

Check the host audio connection. .

2, the front-end device did not open audio options?

Check the front audio equipment parameter Settings, see whether to open the audio