Network video Surveillance Software User Mannual.

Ver 1.1

(This document is for the operator reference)

（build 2013/2/22）

Stated:

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All screenshots and equipment mentioned in the text, IP address information, were test has nothing to do with the actual application.

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1 System Overview

Network video surveillance system as the core network monitoring, network-based IP transmission of multimedia digital information provides a centralized management and control systems, security alarm system, parking, access control system can be integrated.

The system is modular, plug-in technology, the perfect realization of the hard disk recording, split screen monitor, electronic maps, alarm associated

Dynamic, intelligent digital, network monitoring.

2 upgrade information

Abbr.

3 software operating environment

Hardware environment

CPU: Intel P4 dual-core 2.4GHz

Memory: DDR3 1G, 2G memory recommended

Hard drive: 500G, depending on the video to save the number of days

Graphics: a resolution of 1024 * 768 and above

Monitor: 1

sound card interface: 1

LAN Interface: 1,   100M/1000M Ethernet

Keyboard port: 1, for manual operation

Mouse: 1,   for manual operation

Software environment

Operating system: Windows2000/XP/2003

4 Software installation and uninstallation

4.1 Installation

Rar format unpack the archive and the software can be used.

4.2 Uninstall

Directory where you can directly delete the software is running.

5 software applications

5.1 User Login

Run the software in Figure 5-1-1 interface, enter a user name (default: admin) and password (default: 12345) and click "OK" to complete the login operation

"Automatic login" option box is checked, the next time you enter the software will automatically log in, cancel the automatic login can set in "switch user" (Intro) 5.6;

"Automatic login" hook
Selected, the next time you open the
soft, it will automatically log

Click Finish
Log in operation
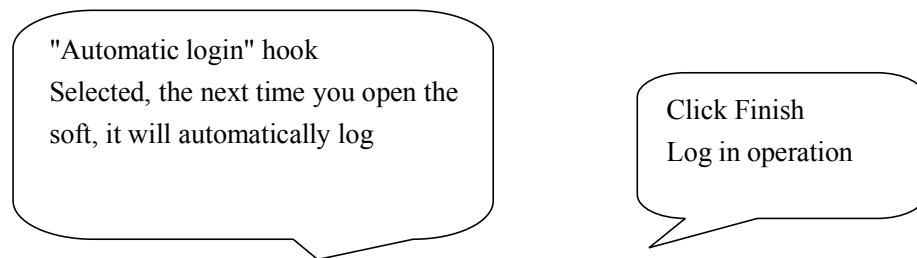
（Figure 5-1-1）

5.2 software main interface

After logging into the main interface, as shown in Figure 5-2-1:
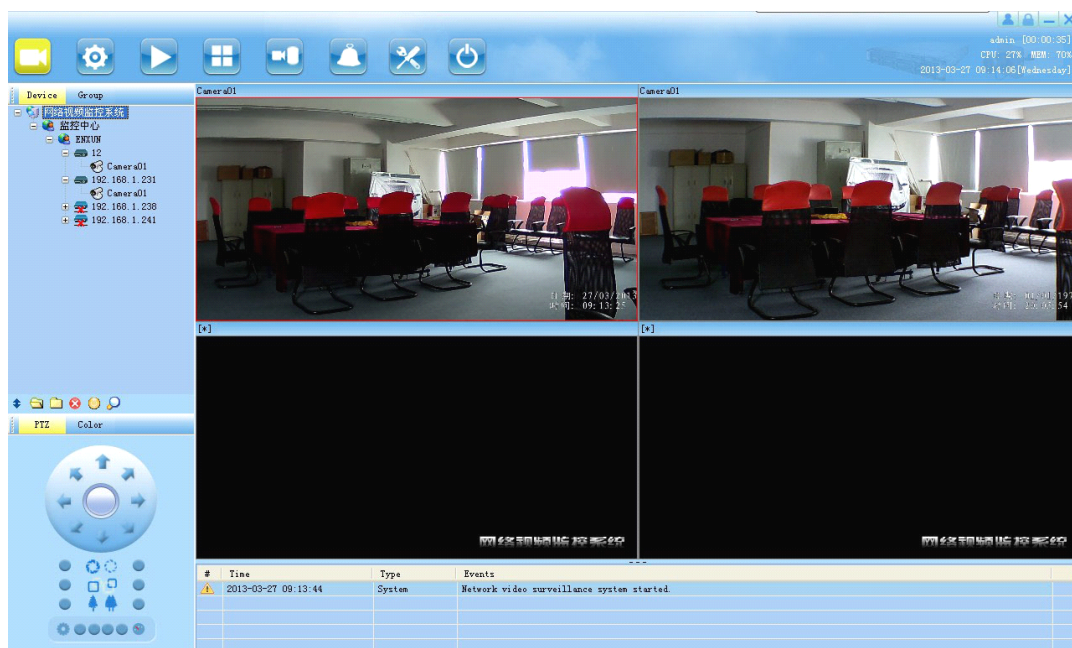
（Figure 5-2-1）

    System function bar: The main function button;

    Device Information Bar: Displays the added device;

    PTZ control: Support PTZ control camera PTZ control;

    Interface: camera video monitor real-time monitoring;

    Basic information: date, CPU usage, memory usage and other basic information;

    Message Bar: image monitoring, the monitoring device is connected, the default alarm information such as prompts in the form of a log;

 5.3 system function bar

 System function bar contains picture-monitoring, settings, video playback, Image management, storage management, alarm management, extension workers

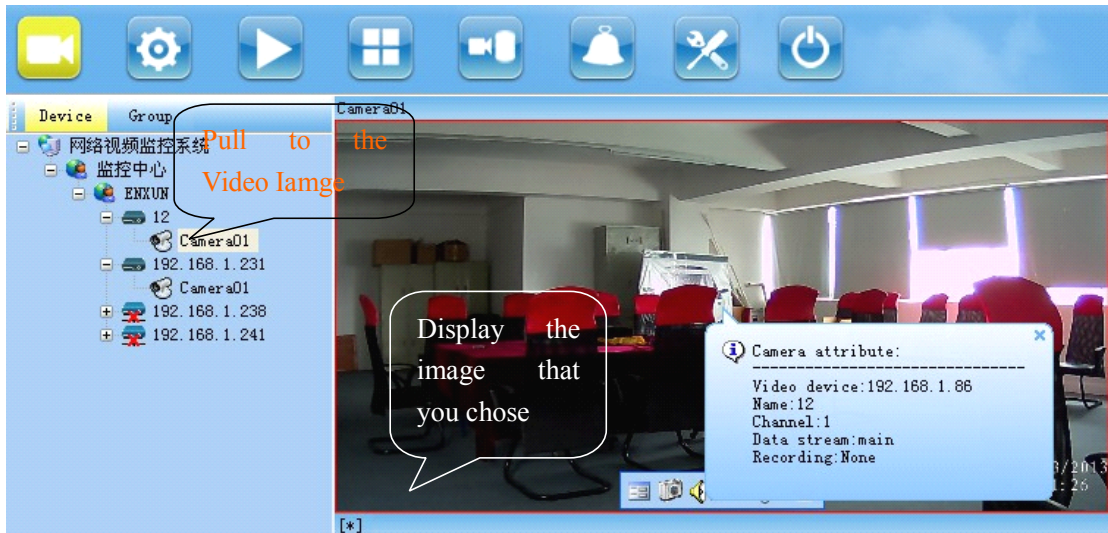 With exit eight buttons, as shown in Figure 5-3-1

Image monitor Seting up Playback Image Management storage   alarm   tools   exit

（figure 5-3-1）

   Click the button to the corresponding operation, the corresponding function.

5.3.1 image monitoring

When operating in any module, click the button, will switch to the monitor screen is the main interface, as shown;

(FIG. 5-3-1-1)

Main operations:

1. Open the image, pull the tree species device to the monitor screen;

2. Quick toolbar: as shown in figure , select a picture (the border of the image become red), move the mouse to the picture, there will be a tool bar appear below the picture automatically, main functions are:

(1)Check the properties, click on the button, you can see the properties of the corresponding camera in the picture;

(2) Capture picture: click on the button, capture the current image , and save the image;

(3) Audio: click on the button, monitor the scene;

(4) Catch a record: click on the button,manual record the image under special need and in a certain period of time.

(5) voice intercom: click on the button,carry out the audio connection between   the front-end equipment and the back-end server;

(6) Close: click on the button to close the current images;

Right click the tool bar, there will be a a toolbar appear as shown in figure (FIG. 5-3-1-3-1)
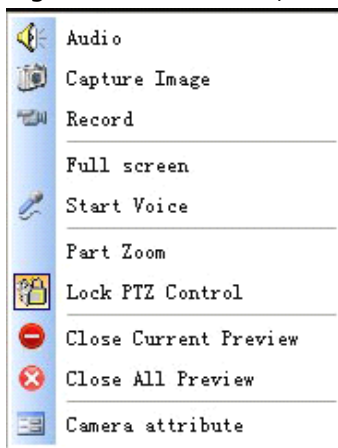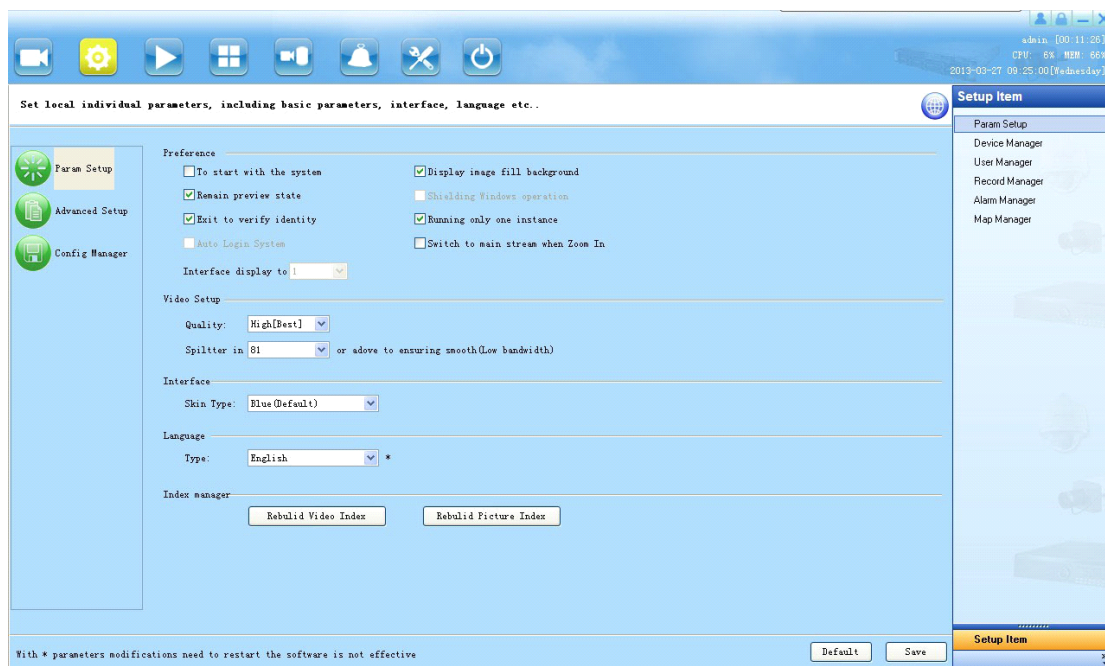
 FIG 1-3-5-3-1

(1)Audio: Function is the same as the "audio" in quick toolbar.

(2)Captured picture: Function is the same as the "capture" in quick toolbar.

(3) Video:Function is the same as the "Video" in quick toolbar.

(4) Full screen,:Imaged is showed in full screen, hidden frame;

(5) Start to voice intercom:Function is the same as the "voice intercom" in quick toolbar.

(6) Partial enlargement: Region the picture by mouse, enlarge choosed box area;

(7) lock the ptz control: click on the [icon] button to open/close the function of the ptz control in the image

(8) Close current image: Function is the same as "Close" in the quick toolbar.

(9) Close all image: click on the [icon] button to close all images;

(10) Camera property: Function is the same as "property" in quick toolbar;

5.3.2 Setting up

After entering the system,need to add equipment, set up video, set up alarm and so on.Click [icon] the button and enter the setting interface, such as figure 5-3-2
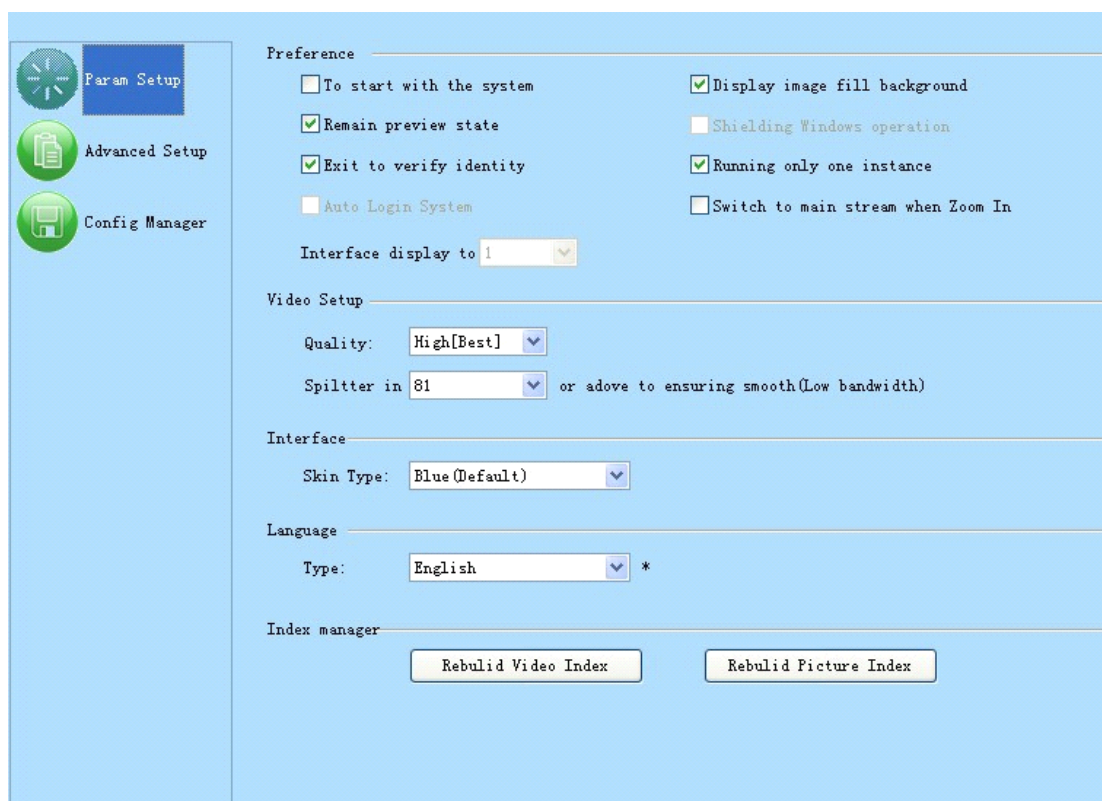

(Fig5-3-2-1)

Setting up the project:

5.3.2.1 Parameter Settings
A. Parameter Settings, as figure 5-3-2-1-1

（Fig5-3-2-1-1）

1) Preferences:

Software starts together with the system:when the system starts up, the software automatically start;

Picture fill in background : when no camera images, background specify the picture to fill it;

Keep the monitor screen image: when restart the system the software restore to the image last shutting down automatically.

Shield Windows operating system: you can't operate Windows system;

Exits authenticate: exit the software need to enter password;

Limited to run one instance: one computer just allowed one this software;

Image is magnified and switch to main stream: After magnified image, image switches to the main stream automatically.

(2) Video Setting:

Video quality:high, medium and low three options, video quality decline step by step;

Monitor screen number () and above,video smooth is preferred to ensure smooth video (it occupies lower bandwidth) :select the corresponding number, when the number of the monitor pictures is larger than this number,the image will switch to the subcode circulation way automatically to ensure the fluency of video.

(3)Interface colors:

Interface color Settings, the default is "passion blue".

(4) Language Option:

Interface language option, the default value is "simplified Chinese", you can also choose "English" and "traditional Chinese".

(5) Index management:

　　Reconstruct video file index: double click this button, rebuild the for the video files ;

　　Reconstruct image file index: double click this button, rebuild the for the image files.

B. Advanced Settings

Advanced Settings is mainly used to set up server of "send to the FTP server "and" send email "in alarm linkage.

Setting: If set up this two functions in the alarm setting,when trigger the alarm, the software will send send message to the FTP server or send email to the specified email automatically.

(1)FTP server Setting:

　　server address: enter the FTP server address;

　　host port: set the host port, the default port is 21st;

　　user name: enter the FTP server user name;

　　password: enter login password.

Email address setup:

　　mail server user name: enter email server user name (complete address);

　　mail server login password: server user password;

　　mail server address: the address of the server (such as QQ email address: smtp.qq.com);

　　mail server port: select the server port, the default port is 25;

　　the sender name: enter the name of the sender;

　　the sender address: the email address of the sender;

　　recipient 1 name: the name of the recipient;

　　recipient 1 address: email address of recipient;

　　mail test: click on "email test", send the email for testing.
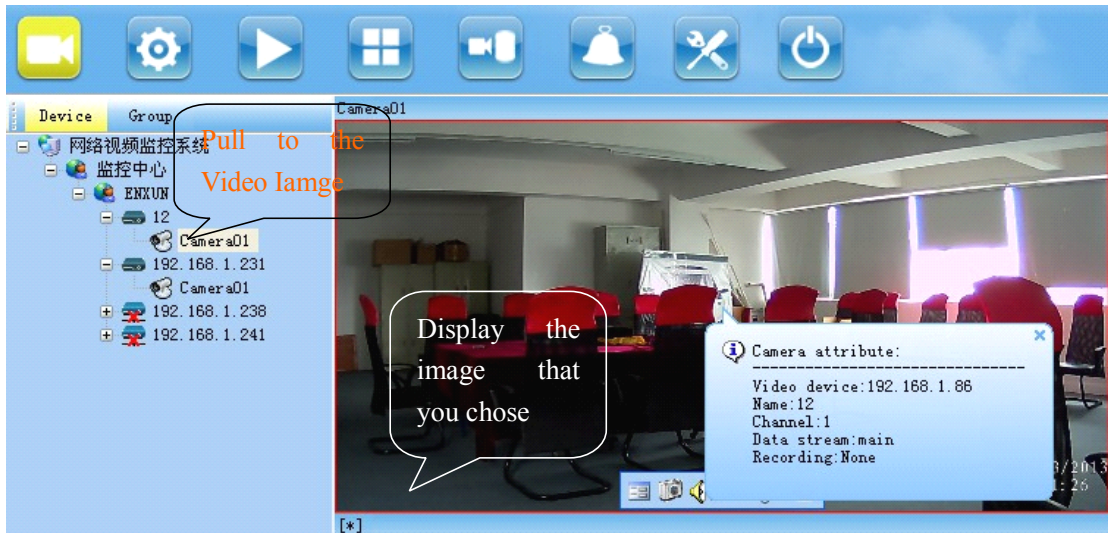
C. Config Management.Such as Fig 5-3-2-1-3
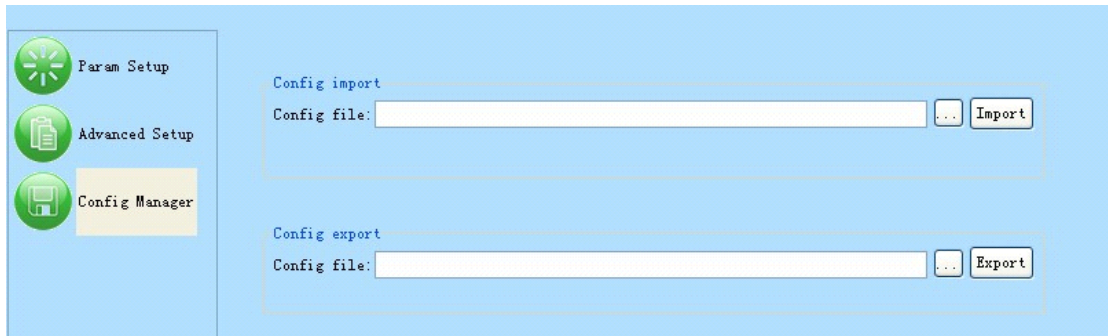
(Fig 5-3-2-1-3)

(1)Config import
(2)Click the ".…" under "Config import" "..." Button,choose the file need to be configurated through e-file window(Such as:test configuration file),configure system quickly.;
(3)Config export
Click the ".…" under "Config export" "..." Button, window as (Fig 5-3-2-1-4) will pop up.Type in the name of the file (Such as:test configuration file)click" save" then click on the "export", save the file to the designated location;

(FIG. 5-3-1-1)

Main operations:

1. Open the image, pull the tree species device to the monitor screen;

2. Quick toolbar: as shown in figure , select a picture (the border of the image become red), move the mouse to the picture, there will be a tool bar appear below the picture automatically, main functions are:

(1)Check the properties, click on the button, you can see the properties of the corresponding camera in the picture;

(2) Capture picture: click on the button, capture the current image , and save the image;

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(5) voice intercom: click on the button,carry out the audio connection between the front-end equipment and the back-end server;

(6) Close: click on the button to close the current images;

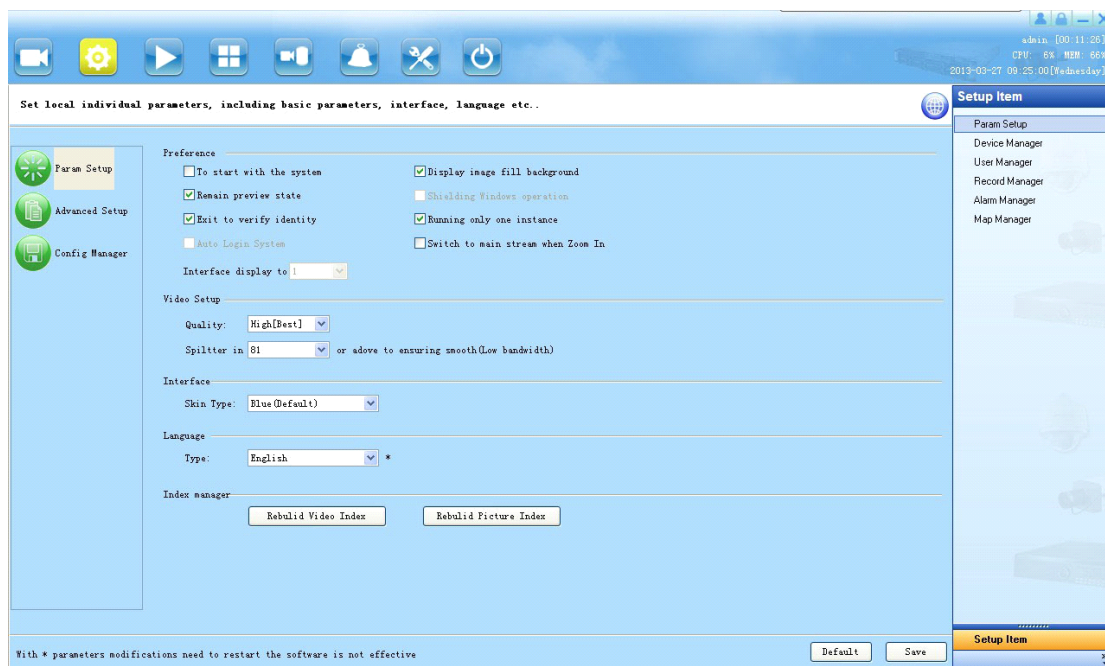Right click the tool bar, there will be a a toolbar appear as shown in figure (FIG. 5-3-1-3-1)

FIG 1-3-5-3-1

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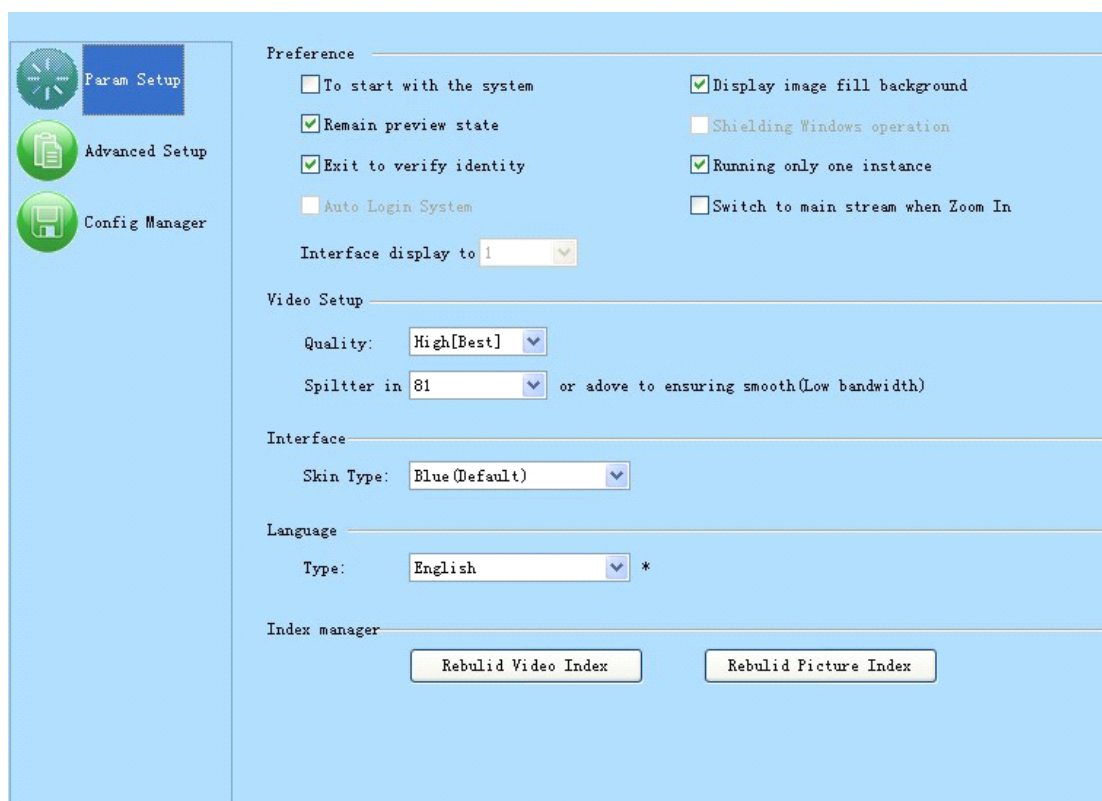

(Fig5-3-2-1)

Setting up the project:

5.3.2.1 Parameter Settings

A. Parameter Settings, as figure 5-3-2-1-1

(Fig5-3-2-1-1)

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    Shield Windows operating system: you can't operate Windows system;

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    Video quality:high, medium and low three options, video quality decline step by step;

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Setting: If set up this two functions in the alarm setting,when trigger the alarm, the software will send send message to the FTP server or send email to the specified email automatically.

(1)FTP server Setting:

    server address: enter the FTP server address;

    host port: set the host port, the default port is 21st;

    user name: enter the FTP server user name;

    password: enter login password.

Email address setup:

    mail server user name: enter email server user name (complete address);

    mail server login password: server user password;

    mail server address: the address of the server (such as QQ email address: smtp.qq.com);

    mail server port: select the server port, the default port is 25;

    the sender name: enter the name of the sender;

    the sender address: the email address of the sender;

    recipient 1 name: the name of the recipient;

    recipient 1 address: email address of recipient;

    mail test: click on "email test", send the email for testing.

D.   Config Management.Such as Fig 5-3-2-1-3
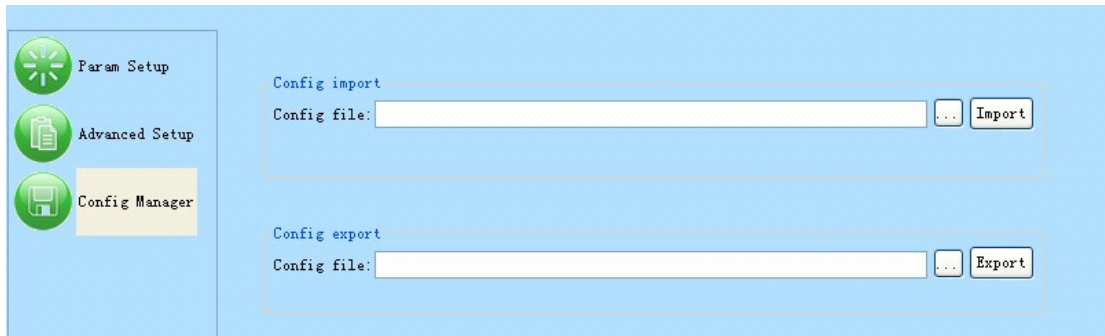

(Fig 5-3-2-1-3)

(3)Config import
(4)Click the "...." under "Config import" "..." Button,choose the file need to be configurated through e-file window(Such as:test configuration file),configure system quickly.;
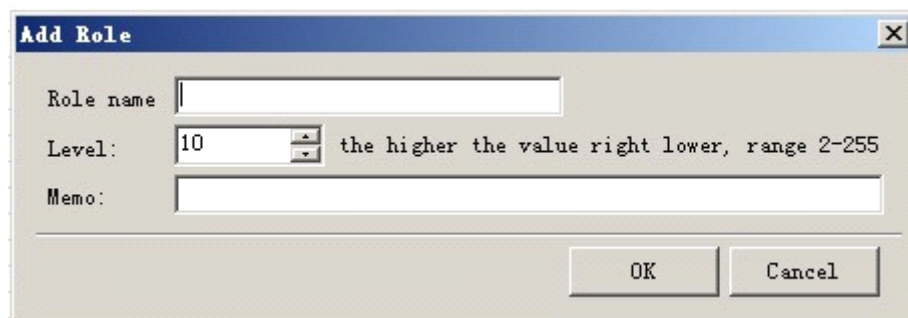(3)Config export
Click the "...." under "Config export" "..." Button, window as (Fig 5-3-2-1-4) will pop up.Type in the name of the file (Such as:test configuration file)click" save" then click on the "export", save the file to the designated location;
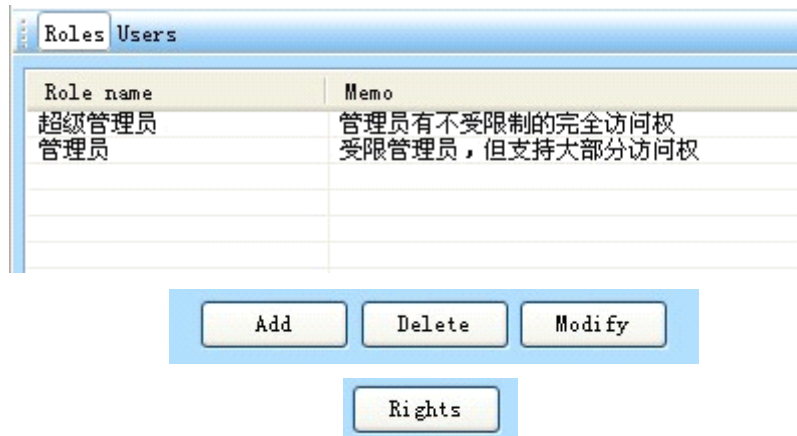
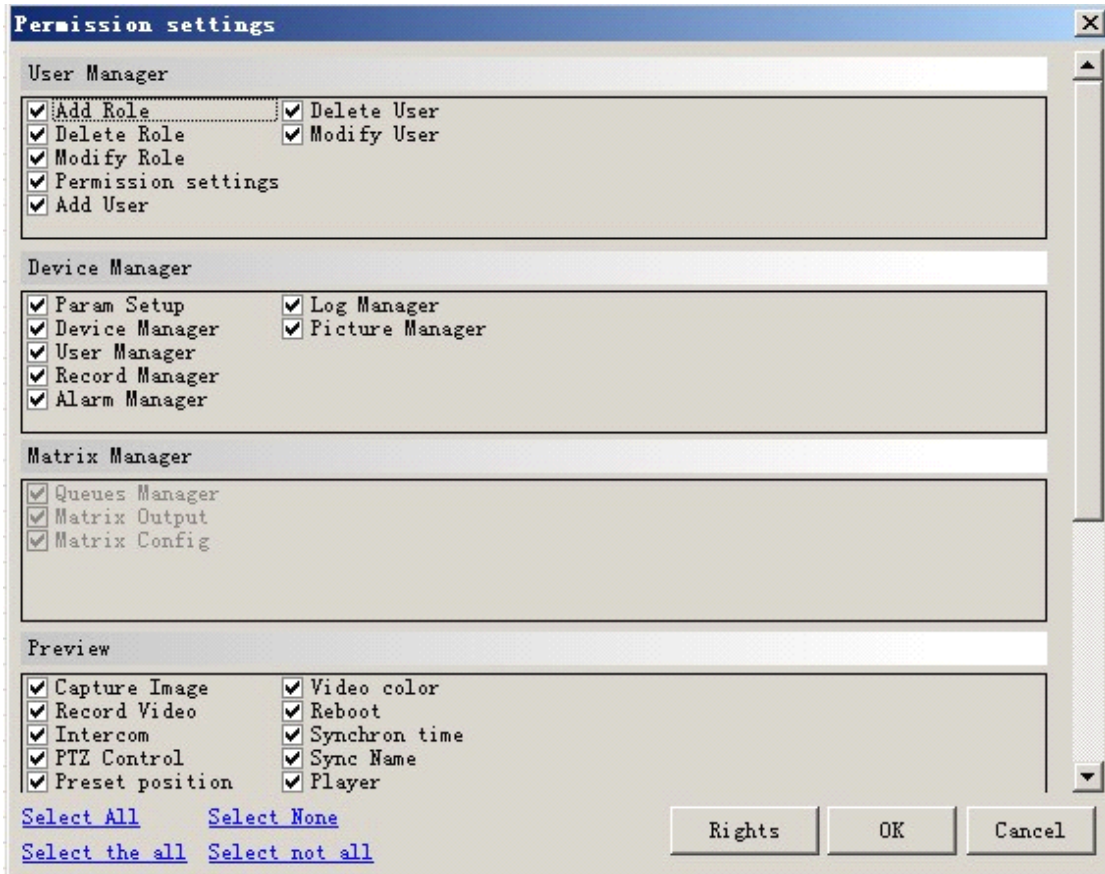(picture 5-3-2-11)

A. Role Management:

（1） Add: Click "Add Role", then pop-up window as follow（Picture 5-3-2-12）

（Picture 5-3-2-12）

Enter role name, and set level (the higher the value, right lower, range 2~255),then provide brief memo to the role right;

（2） Delete：Select a role, and click "delete". It will pop-up the prompt box, Click "OK" to save the settings, click "Cancel" Exit operation. (Super Admin can not be deleted).

（3） Modify：Select a role, and click "modify" to modify the Role name, Level and Memo. It will pop-up the prompt box, Click "OK" to save the settings, click "Cancel" Exit operation (Super Admin can not be deleted).

（4） Rights：Select a role, it will pop-up permission window(picture 5-3-2-13). You can do rights settings to the selected role. If open permission the role, please mark with a check mark in front of the box. Click "OK" to save the settings, click "Cancel" Exit operation

（Picture5-3-2-13）

Select All：The permissions set all the permissions in the same module open to the role;

Select None：All permissions in the same module are not open to the role.

Select the all：Permission settings of all modules in all permissions are open to the role

Select not all：All permissions in all modules are not open to the role.

Camera rights：like（picture 5-3-2-14），The box marked with green checked mark means the device open to this user. If not marked, means not open to the user. Click "OK" to save the settings, click "Cancel" Exit operation

In camera rights, "Search" can be manually input, to find the target device directly, and make camera rights settings.
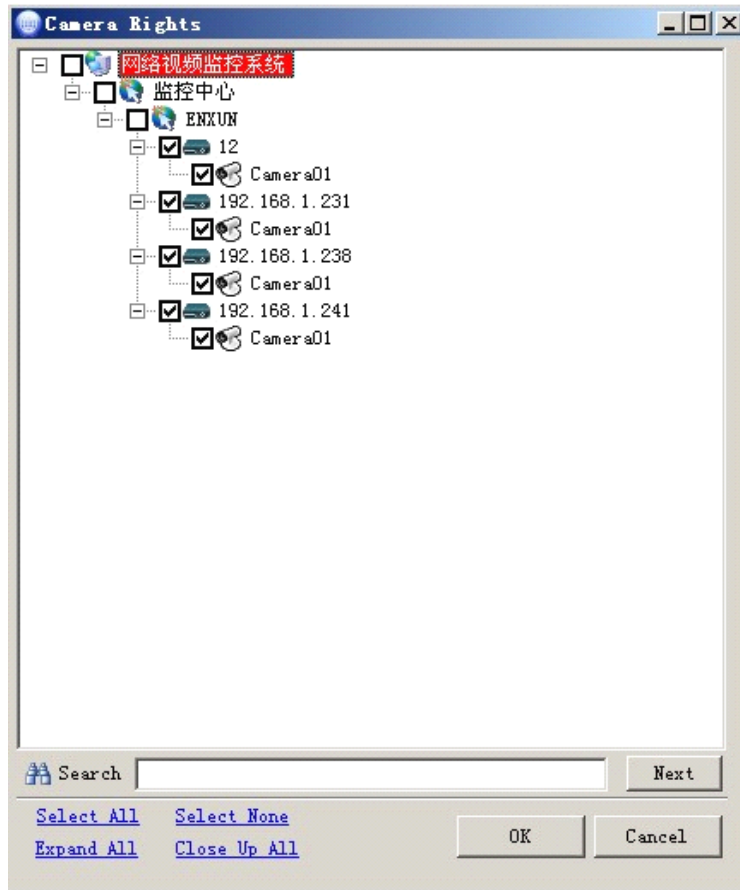
（picture 5-3-2-14）

B. User management

（1）Add：Click "Add", pop-up the window (picture 5-3-2-15)，Fill in the appropriate data in the window, click "OK" to save
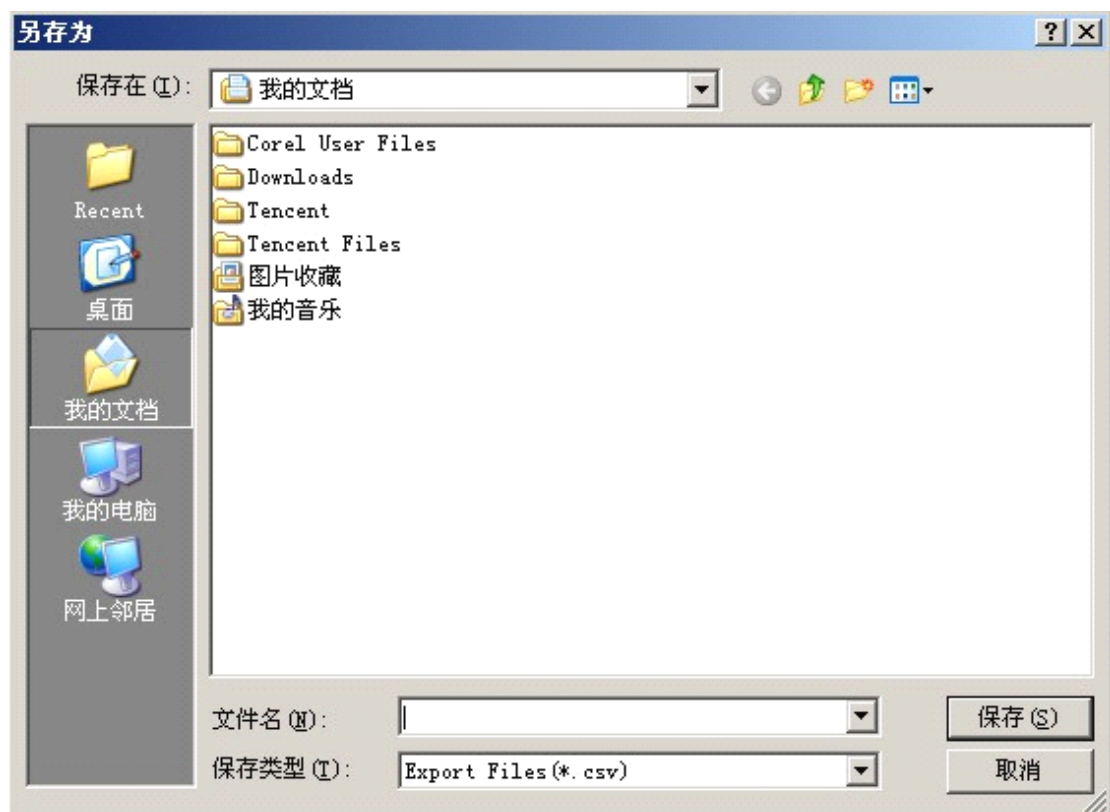

（Picture 5-3-2-15）

User name：input user name(such as user 1)

Role：select a role in drop-down box(such as normal user)

Level：Automatically judge the level when selecting the role

Period from：select the start time from time drop-down box

Period to：select the dead time from time drop-down box.

Password：input the password(The system automatically displays the symbol "*")

Confirm Pass ： input the password again for confirmation(The system automatically displays the symbol "*")

（2） Delete: Select a user, click "delete". Click "OK" to delete the user, click "Cancel" exit the operation

（3） Modify：select a user, click "Modify", pop-up the same window as 5-3-2-15（above data is the user's previous date）. Modify the date and click "OK" to complete the modification

（4） Export information: Click "export ", pop-up dialogue window（picture 5-3-2-16），input filename, to export the existing the users to the specific location with excel format.

（picture 5-3-2-16）

5.3.2.4 Save settings（picture 5-3-2-17）
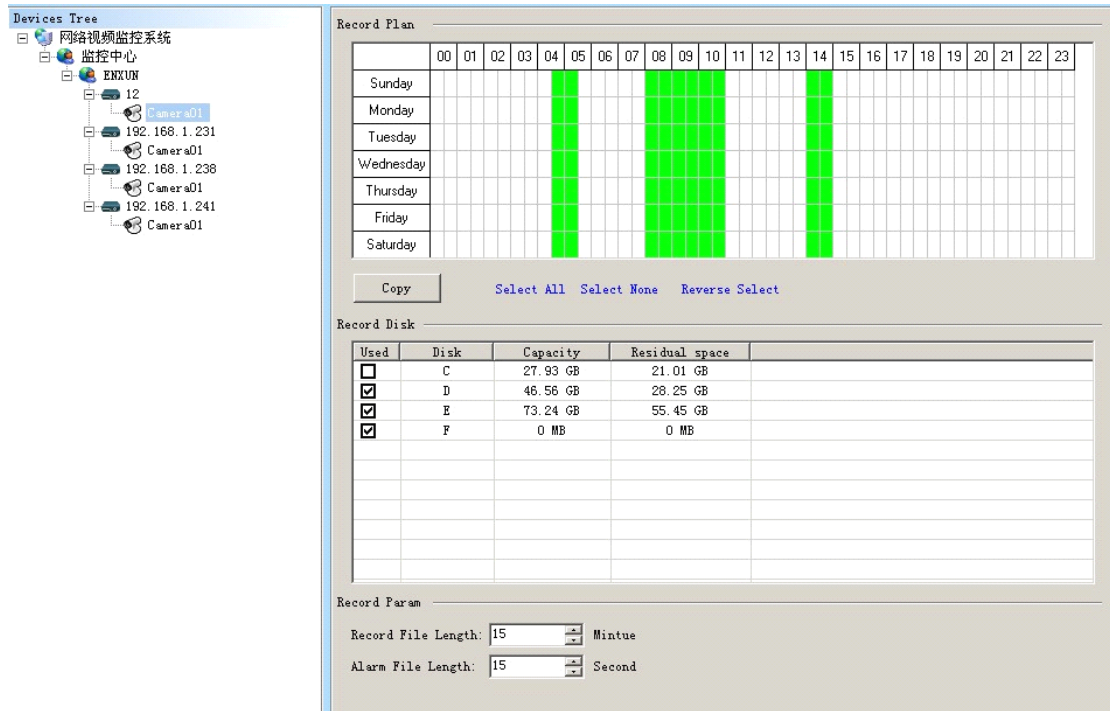
（picture 5-3-2-17）

（1）Select the setting device in "Devices Tree", then select the record time range in "Record Plan" (green for the time period of the video, each square means half an hour); Ticked the position for saving file in "Record Disk"; Set record file length and alarm file length in "Record Parameters" and click OK to save.

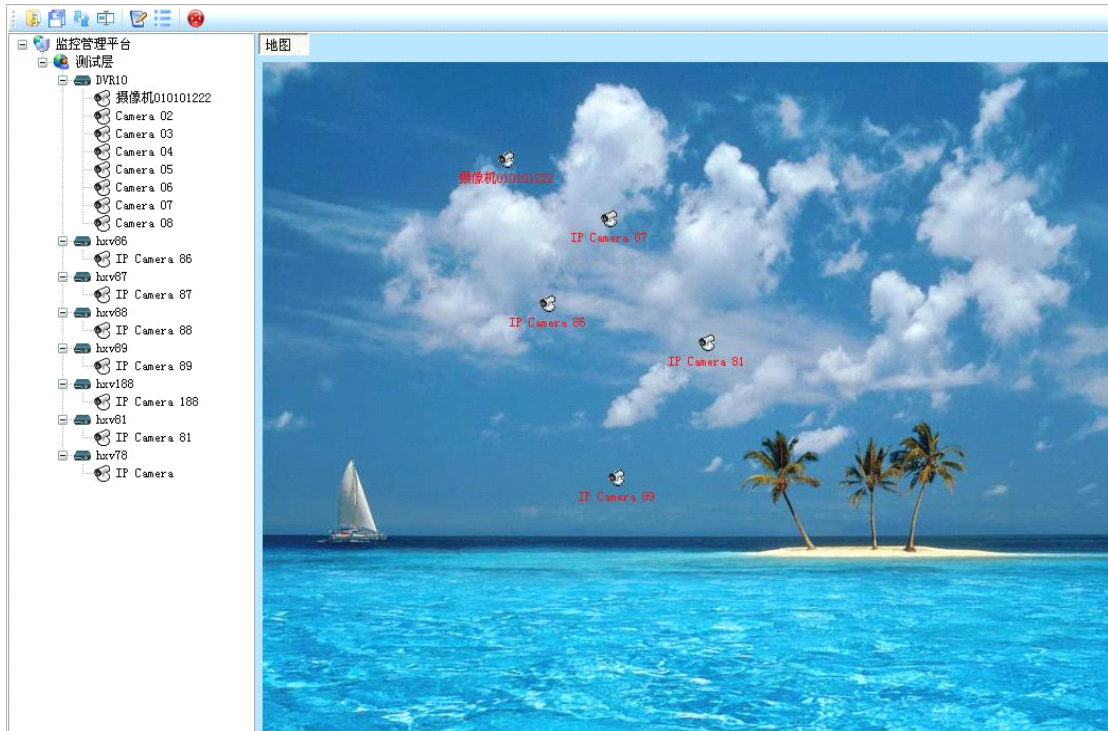（2）If you have multiple devices with same video settings, you can choose "Copy" function:

（3）Select a set device, click "Copy" , check the device you want to set in the pop-up menu,, click "OK" to confirm, and then click on "Save".

5.3.2.5 Alarm Settings

Same settings with the following (5.2.6 alarm management), and pop-up alarm window can open the Settings interface.

5.3.2.6 Electronic Map

Electronic map (5-2-3-6-1) is mainly used for alarm linkage, trigger the alarm, automatic pop-up map, alarm camera flashes on the map (E-map can only have one, replace the mapafter the previous map will be deleted); Double-click the device on the electronic map will pop up the image of the device (Figure 5-3-2-18)
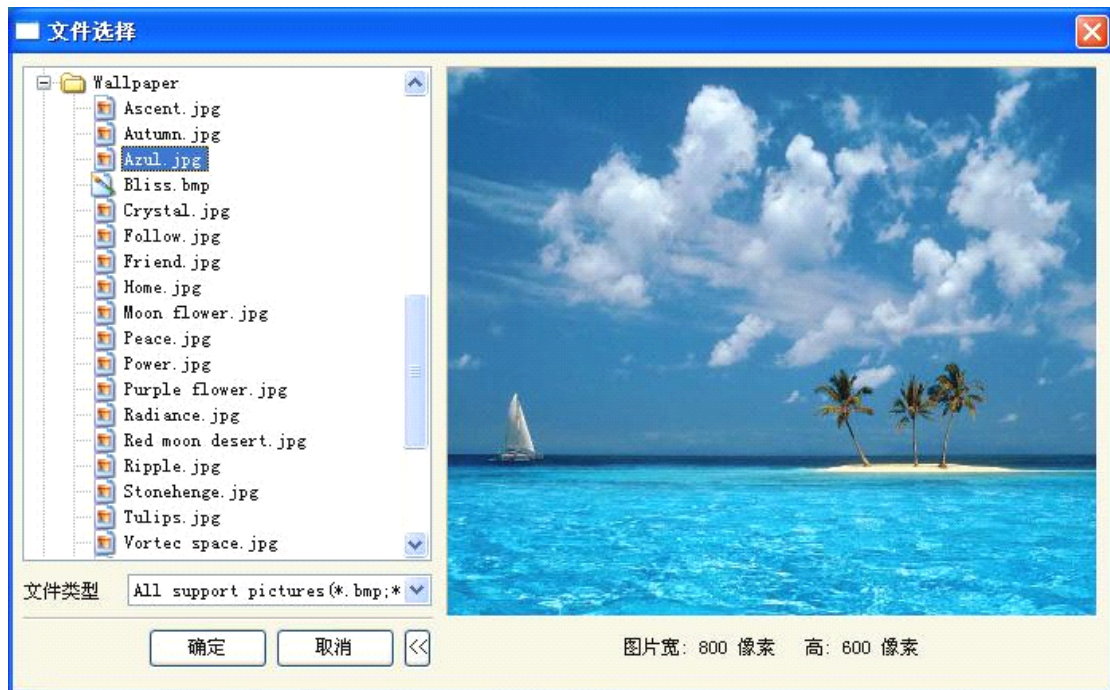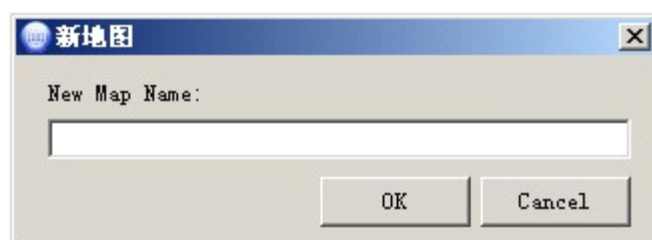
(Picture 5-2-3-6-1)

(Picture 5-3-2-18)

Main operating steps:

Set electronic map file (in edit mode to operate): Open the file dialog box, select the the map need to set.(Picture 5-3-2-19)

Save the file: you are finished adding the electronic map, then dragged the device from the device information tree into the map at right.

Click the Save File button, the settings are saved

Refresh the map: click this button to refresh the map

Set the name of map: click this button, a window pops up (Picture 5-3-2-20) in the text box input the name of map, click "OK" to save.

Edit mode: click to open the edit mode, click again to close it, Electronic map can not be set if not in edit mode.

Hide tree: hide / display the device information tree

Clear alarm: when the alarm is triggered (pop-up electronic map), the device will flash alarm on the map, Click Clear alarm will stop flashing.

(Picture 5-3-2-19)
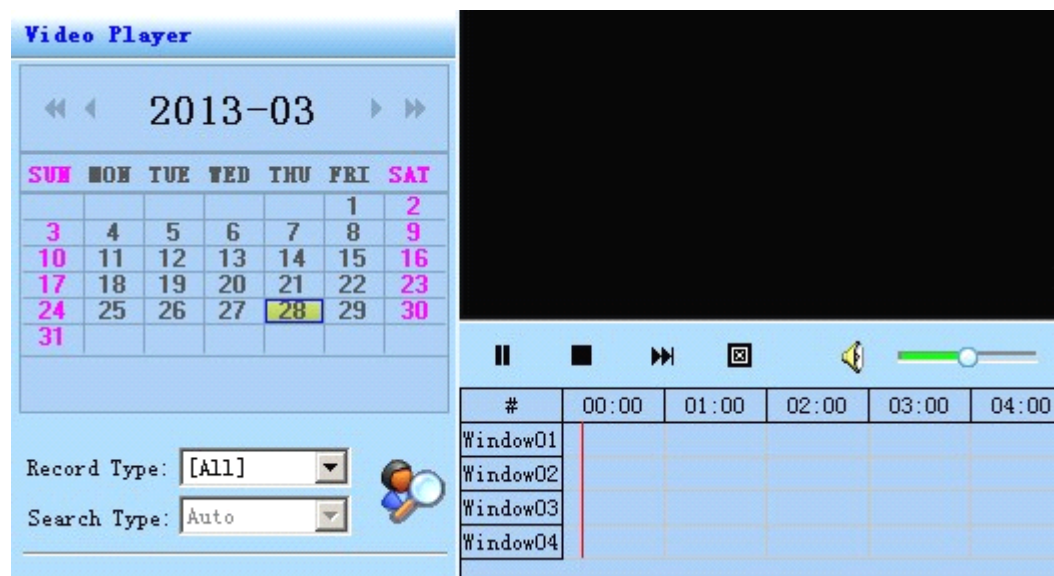
Set map name (Picture 5-3-2-20)

5.3.3 Video playback

When video playback, click the "video playback" button to enter the playback interface (Picture 5-3-3-1) drag the camera need playback from the list into right of the window (support 1 to 4camera playback).

At the time list, select the file recording time, select the type of video, click on the search button, the time period of the video will be displayed on the right (if the period of time recording, the green progress bar); drag the red vertical bar to start playback video, and positioning of playback time.

Double-click the image to enlarge the screen and switch between the original.
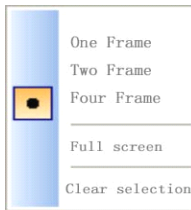

(Picture 5-3-3-1)

Player control:

From left one:

1. Play / Pause
2. Play the next file
3. Sound, click the mute
4. Capture
5. Synchronization time
6. Stop the selected playback screen
7. Stop all playback screen
8. Sound adjustment
9. Clear selected camera
10. Backup / download video

Player right menu bar:

One frame: playback screen will be only one;

Two frame: when playing the form of two screen display;

Four frame: playback screen is displayed to the screen in the form of four;

Full-screen: playback screen in full-screen display (1,2,4-screen can be used full-screen)

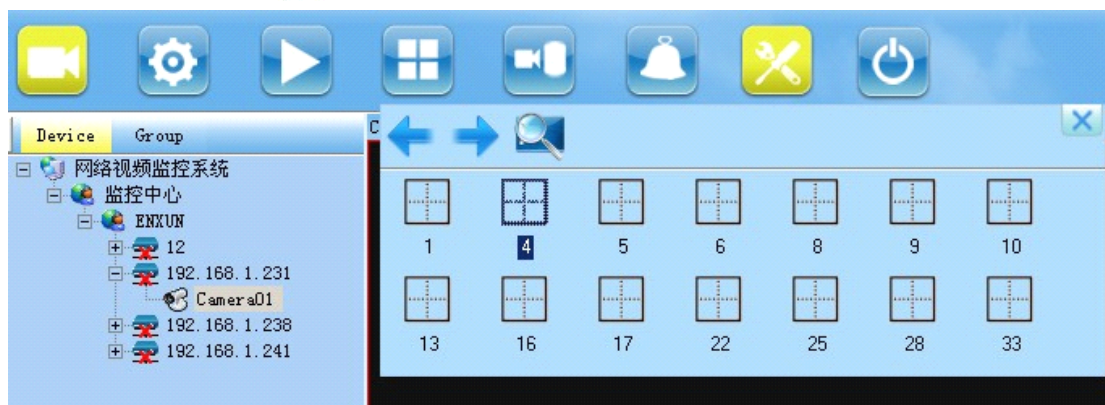Clear: Clear the selected device and the files in list and close the image in the player on the desktop.

Zoom: buttons " zoom, you can zoom the time scale, and the video shows a more accurate positioning; than Cases of foot scaled to move by clicking on the button and the time bar.

Video playback achieve:

1. Click the "video playback" button, the software enter into playback interface;

2. Drag the device need playback to the right of screen, the screen support (1 to 4)

3 Select the desired playback date in the "video search", the type of video, find direction, click on the "retrieve file" button will retrieve the file to the needs in the list on the right, green, blue strip (00:00 to 23:59) throughout the day in a chronological order (green indicates general video, blue alarm linkage video, not the video will remain the interface color)

4 Drag the progress controller (the red vertical line in the list) to playback period of time, the screen will open the image, you can select the approximate time if you need more precise positioning time, and then click on the "Zoom" button. the cell can be enlarged, so as to achieve a more scenic positioning purposes;

5 Player control bar button, you can control the playback pause / play, stop, next, stop all, sound adjustment, capture, clear the selection, synchronization time, the backup (the footage being played save the download, the download will be the current video frame this file, rather than the entire retrieved file) function;
(Note: the retrieved files in the list the longer continuous green is not the same file, but multiple consecutive files, just the middle of particularly short intervals. Specific file record length is stored when set long count)

5.3.4 Screen management

Click on the "screen" button, you can select the number of split screen, up to 33 split

Forward: When the screen many times before to choose the number of divisions, the number of divisions to switch to the previous screen;

Backwards: When many times before to choose the number of split screen, switch to the screen the number of divisions;

Full screen: full screen image;

Segmentation: the number of divisions, the screen will be the response of the number of divisions (currently up to 33 split).

5.3.5 Storage Management

Storage is set by clicking on the "Storage Management" button, you can view the current stored information (Figure 5-3-5-1)

#	IP地址	通道	开始时间	已录时长	类型	状态	文件名
✓	192.168.1.89	1	2012-10-16 14:30:34	3秒	定时	在录	E:\FDB\1493280960\1
✓	192.168.1.188	1	2012-10-16 14:30:34	3秒	定时	在录	E:\FDB\3154225344\1
✓	192.168.1.88	1	2012-10-16 14:30:35	3秒	定时	在录	E:\FDB\1476503744\1
✓	192.168.1.81	1	2012-10-16 14:30:35	3秒	定时	在录	E:\FDB\1359063232\1
✗	192.168.1.78	1	1899-12-30 00:00:00	0秒	定时	断线	没有文件

1. #: Through the form of icons, display video icon is green video normal red icon is not in the video;

2. IP address: Displays the video equipment IP address, video equipment can be seen;

3. Channel: Displays the video channel;

4. Start Time: Displays the start time of the video file;

5. Has recorded length: the time the video has recorded;

6. Type: the type of video;

7. Status: Shows the current recording status;

8. File name: Show the save path and file name of the file.

(Picture 5-2-3-6-1)

(Picture 5-3-2-18)

Main operating steps:

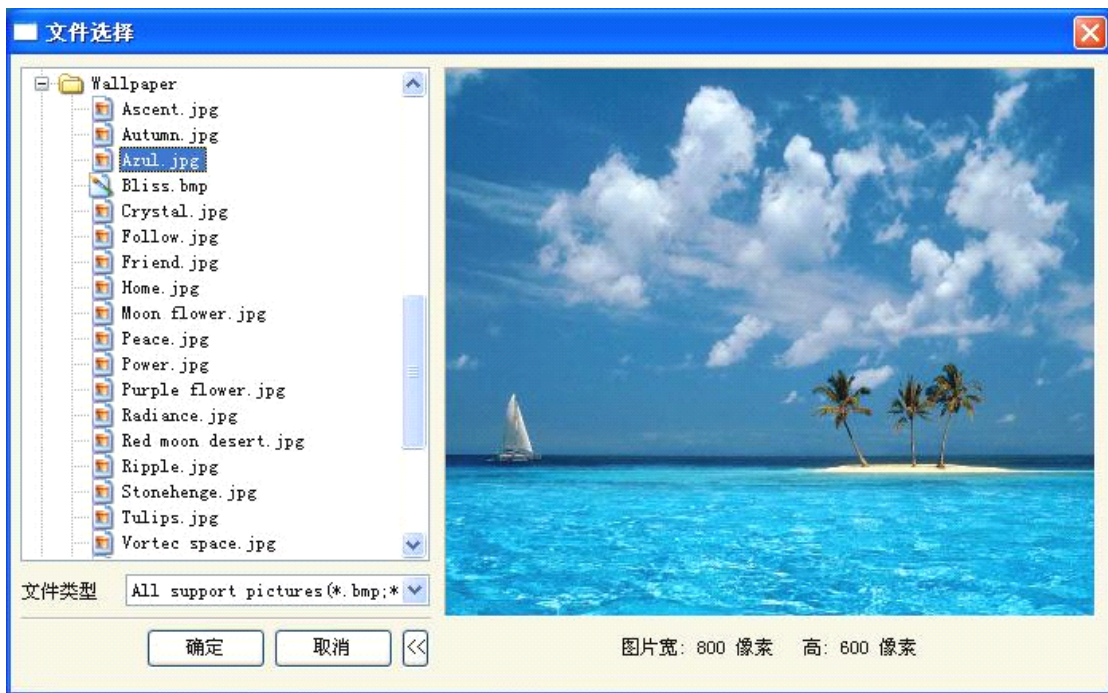Set electronic map file (in edit mode to operate): Open the file dialog box, select the the map need to set. (Picture 5-3-2-19)

Save the file: you are finished adding the electronic map, then dragged the device from the device information tree into the map at right.

Click the Save File button, the settings are saved

Refresh the map: click this button to refresh the map

Set the name of map: click this button, a window pops up (Picture 5-3-2-20) in the text box input the name of map, click "OK" to save.

Edit mode: click to open the edit mode, click again to close it, Electronic map can not be set if not in edit mode.

Hide tree: hide / display the device information tree

Clear alarm: when the alarm is triggered (pop-up electronic map), the device will flash alarm on the map, Click Clear alarm will stop flashing.

(Picture 5-3-2-19)
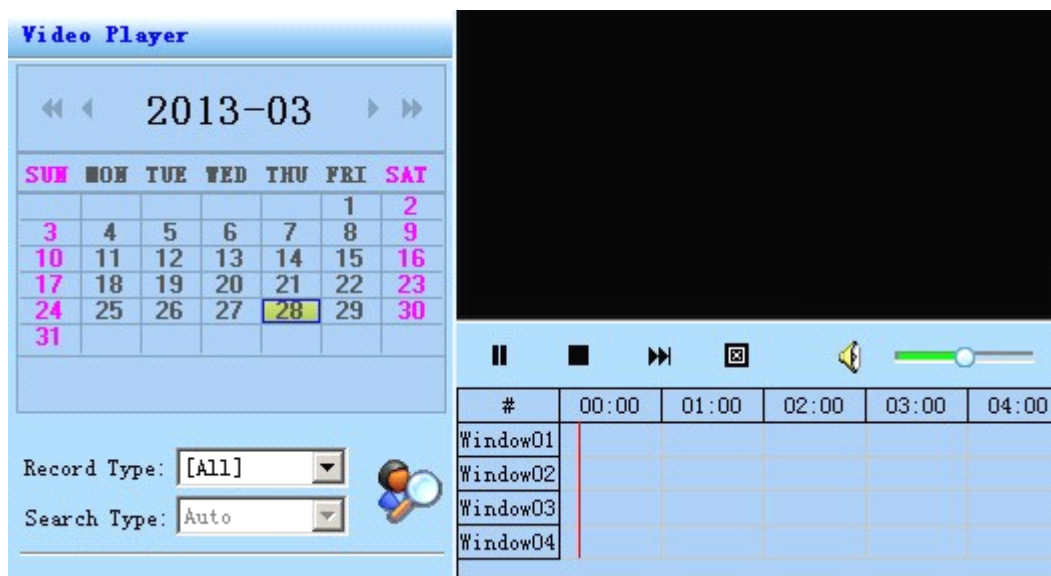
Set map name (Picture 5-3-2-20)

5.3.3 Video playback

When video playback, click the "video playback" button to enter the playback interface (Picture 5-3-3-1) drag the camera need playback from the list into right of the window (support 1 to 4camera playback).

At the time list, select the file recording time, select the type of video, click on the search button, the time period of the video will be displayed on the right (if the period of time recording, the green progress bar); drag the red vertical bar to start playback video, and positioning of playback time.

Double-click the image to enlarge the screen and switch between the original.
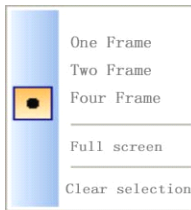

(Picture 5-3-3-1)

Player control:

From left one:

1. Play / Pause
2. Play the next file
3. Sound, click the mute
4. Capture
5. Synchronization time
6. Stop the selected playback screen
7. Stop all playback screen
8. Sound adjustment
9. Clear selected camera
10. Backup / download video

Player right menu bar:

One frame: playback screen will be only one;

Two frame: when playing the form of two screen display;

Four frame: playback screen is displayed to the screen in the form of four;

Full-screen: playback screen in full-screen display (1, 2, 4-screen can be used full-screen)

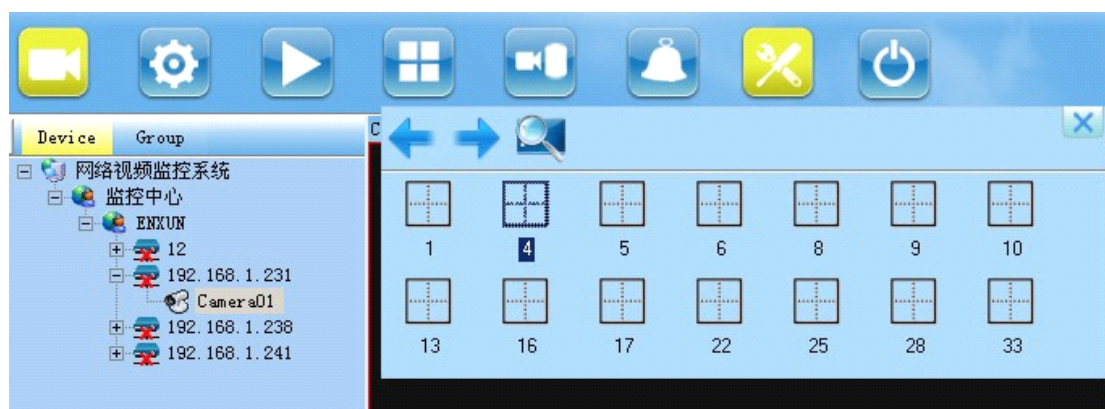Clear: Clear the selected device and the files in list and close the image in the player on the desktop.

Zoom: buttons " zoom, you can zoom the time scale, and the video shows a more accurate positioning; than Cases of foot scaled to move by clicking on the button and the time bar.

Video playback achieve:

1. Click the "video playback" button, the software enter into playback interface;

2. Drag the device need playback to the right of screen, the screen support (1 to 4)

3 Select the desired playback date in the "video search", the type of video, find direction, click on the "retrieve file" button will retrieve the file to the needs in the list on the right, green, blue strip (00:00 to 23:59) throughout the day in a chronological order (green indicates general video, blue alarm linkage video, not the video will remain the interface color)

4 Drag the progress controller (the red vertical line in the list) to playback period of time, the screen will open the image, you can select the approximate time if you need more precise positioning time, and then click on the "Zoom" button. the cell can be enlarged, so as to achieve a more scenic positioning purposes;

5 Player control bar button, you can control the playback pause / play, stop, next, stop all, sound adjustment, capture, clear the selection, synchronization time, the backup (the footage being played save the download, the download will be the current video frame this file, rather than the entire retrieved file) function;
(Note: the retrieved files in the list the longer continuous green is not the same file, but multiple consecutive files, just the middle of particularly short intervals. Specific file record length is stored when set long count)

5.3.6 Screen management

Click on the "screen" button, you can select the number of split screen, up to 33 split

Forward: When the screen many times before to choose the number of divisions, the number of divisions to switch to the previous screen;

Backwards: When many times before to choose the number of split screen, switch to the screen the number of divisions;

Full screen: full screen image;

Segmentation: the number of divisions, the screen will be the response of the number of divisions (currently up to 33 split).

5.3.7 Storage Management

Storage is set by clicking on the "Storage Management"   button, you can view the current stored information (Figure 5-3-5-1)

#	IP地址	通道	开始时间	已录时长	类型	状态	文件名
✓	192.168.1.89	1	2012-10-16 14:30:34	3秒	定时	在录	E:\FDB\1493280960\1(
✓	192.168.1.188	1	2012-10-16 14:30:34	3秒	定时	在录	E:\FDB\3154225344\1(
✓	192.168.1.88	1	2012-10-16 14:30:35	3秒	定时	在录	E:\FDB\1476503744\1(
✓	192.168.1.81	1	2012-10-16 14:30:35	3秒	定时	在录	E:\FDB\1359063232\1(
✗	192.168.1.78	1	1899-12-30 00:00:00	0秒	定时	断线	没有文件

1. #: Through the form of icons, display video icon is green video normal red icon is not in the video;

2. IP address: Displays the video equipment IP address, video equipment can be seen;

3. Channel: Displays the video channel;

4. Start Time: Displays the start time of the video file;

5. Has recorded length: the time the video has recorded;

6. Type: the type of video;

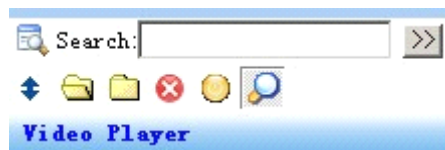7. Status: Shows the current recording status;

8. File name: Show the save path and file name of the file.

2. Camera group：Display added camera group（figure 5-4-2）。
Double-click the group to switch; Right-click on the group can be "switch group" " Switch group to the selected window" and "stop switch"。

（figure 5-4-2）

1. Equipment Toolbar（figure 5-4-3）：

（figure 5-4-3）

Device information bar Scalable   Open the device information all nodes

Close the device information all nodes Close all images

Control equipment（figure 5-4-3-1）   Click to open the Find box, enter the relevant Information to find the target device

(figure 5-4-3-1)

Select all：For all devices；

Select None：Not for any equipment；

Reboot： Reboot for equipment；

Synchron time：Choose to proofread time ；

Close：control close。

5.5 Control and regulation

1.PTZ control：**In the main interface Bottom Left，**Support PTZ cameras and PTZ control，**Use ARROW KEYS to MOVE.，**By clicking on the "aperture", "focus", "zoom" before and after the conduct of the camera image adjustment;

 For the aperture adjustment；

 For the focus adjustment；

 For the Zoom adjustment。

(1) Click "Advanced" ⚙ Into the "preset" settings (figure 5-5-1) The camera can be pre-set multiple points，By preset can be switches to the location.

Add：Select a preset，Enter the preset name in the "alias"，Click "Add" to complete the preset add；

Delete：Select a preset position, click the "Delete" to delete this preset；

Call: select a preset, click on the "call" to switch to the preset position；

Close: Closes the preset position, back to PTZ control.
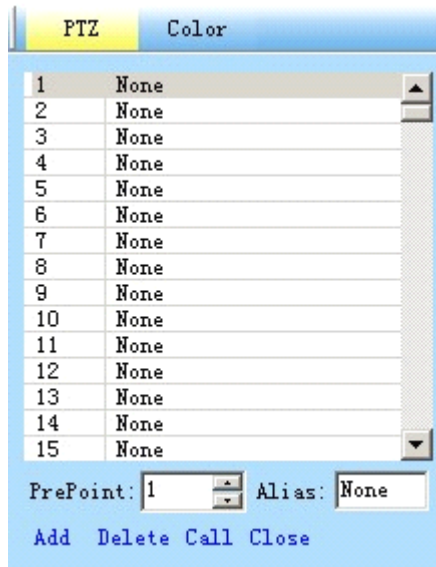
（figure 5-5-1）

(2) Click on the "speed" can be adjusted to control the camera rotation, zoom speed (figure 5-4-2)；

（figure 5-4-2）

2 adjustment for colors (figure 5-5-3):

it can ajust image of picture,such as " brightness" "Contrast",Saturation.

After adjust the image of camera by choosing related color, then click the "Apply to All" so that all the cameras have the same setting image as above ; Click the "manufacturing setting" then all the color data can be restored as "manufacturing setting" , the value is 50
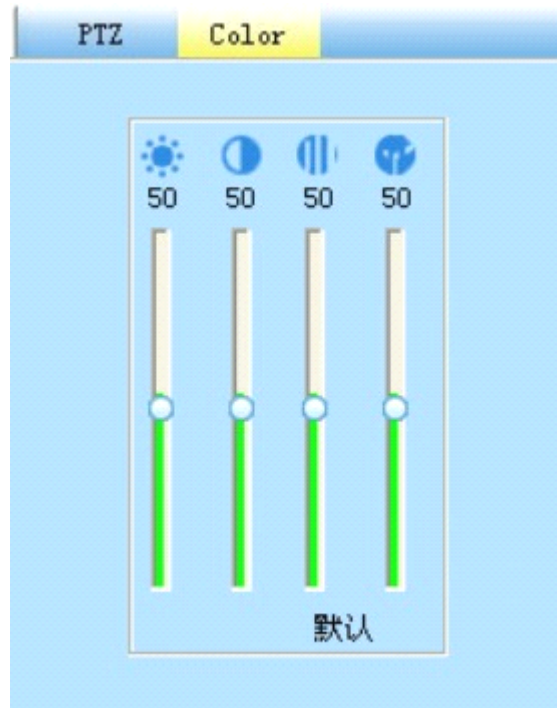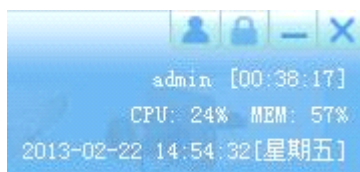
（picture 5-5-3）

5.6 Surveillance interface

Surveillance interface mainly display the picture that should be monitored real time, operate the shortcut tools, and control the PTZ when it is not closed.(For the function and mode of operation for shortcut tools and right button, pls check 5.2.2)

5.7 Basic information

Basic information column main displays CPU,storage used rate,date, user name, software running time (picture 5-6-1).
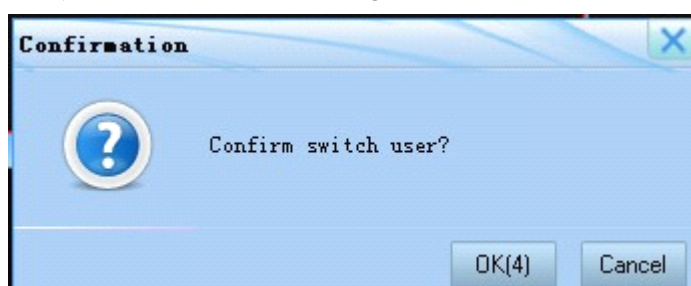

(picture 5-6-1)

Swith user name: press button, open alert(picture 5-6-2),press OK, log in, input user name, password.

Lock/unlock:press button,locking, software can not work

Minimize:press button, window is minimized

Exit:press button,software out of working

(picture 5-6-2)

5.8 Information column

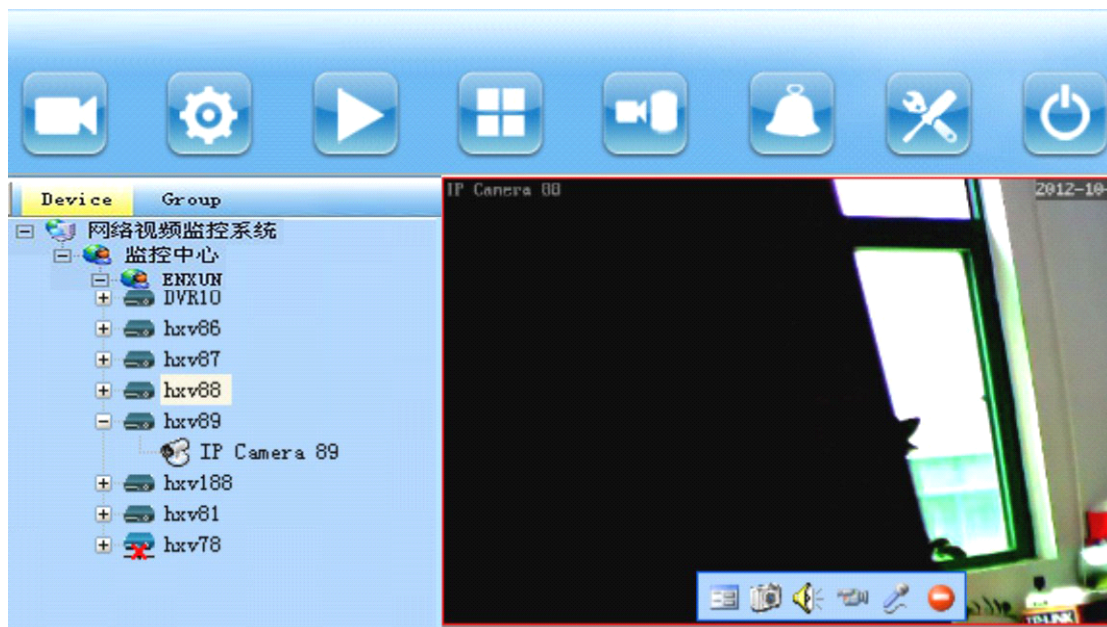Display surveillance, alarming and other real time information. (picture 5-6-3)

(picture 5-6-3)

eg:Time:2012-9-25 14:05:23

Emerging alarming information "报警"信息：视频源 192.168.1.88，通道 1"视频移动"。

5.9 About system

Click the button(as picture 5-6-4),the alert box"closing the system" is emerging
(as picture 5-6-4).We can see the version of system,authorizing
Information(eg：DSC.20121120),authorizing code, non-authorizing

(as picture 5-6-4)

(picture 5-6-4)