Alcon Smart Surveillance Software v7.12

Complete Operation Manual

Alconlink

Alcon Wireless PVT. LTD.

October 2016

Alcon Smart Surveillance Software

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V7.12

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I. Introduction

1.1 Intention

The Manual is specially complied based on Easy7 video monitoring system to provide the system with brief instructions of functions, and to help users learn about operational processes.

Note: The product will be real-time updated and no further notice will be given.

1.2 Terms and abbreviations

N/A

II. Standard File Reference

Ignored

III. Software Overview

3.1 Software use

It is a stand-alone monitoring software attached to Easy7 monitoring system.

As a standalone CS client, it is feasible for individual user authority setting, device management, device remote setup, decoding management, offline switching management, video template setup, event linkage setup, etc., and could record a video on time as a standalone video encoding device.

3.2 Software running

The software consists of 2 versions.

1. Alcon Smart Surveillance Software V7.12A. **EXE.** It could be installed and operated independently, being in favor of whole series Tiandy hard disk video and online video devices. It could add 512 points at most.

2. Alcon Smart Surveillance Professional V7.12A **EXE.** It could be installed and operated independently, being in favor of whole series Alcon hard disk video, online video devices, PC hard disk video recording system V6.9, Alcon master stream embedded encoding device, Alcon HD IPC device, Alcon behavioral analysis device, DH embedded encoding device as well as ONVIF series device. It could add 700 points at most. encryption lock is required during operating, otherwise it could only run 60min.

3.3 Operating system

Support Windows XP SP3, Windows 7 and Window 8 systems

Note: As for Windows 7 and Window 8 systems, user authority of operating system is required to be limited as much as possible.

IV. Software Installation and Uninstallation

4.1 Software installation

Take " Alcon Smart Surveillance Software V7.12A. **EXE** " installed in Windows 7 as an example, installation methods of other versions are same.

1. Find and install " Alcon Smart Surveillance Professional V7.12A **EXE** " in installation disk

Figure 4.1.1

2. Double click to enter installation program. As shown in Figure 4.1.2

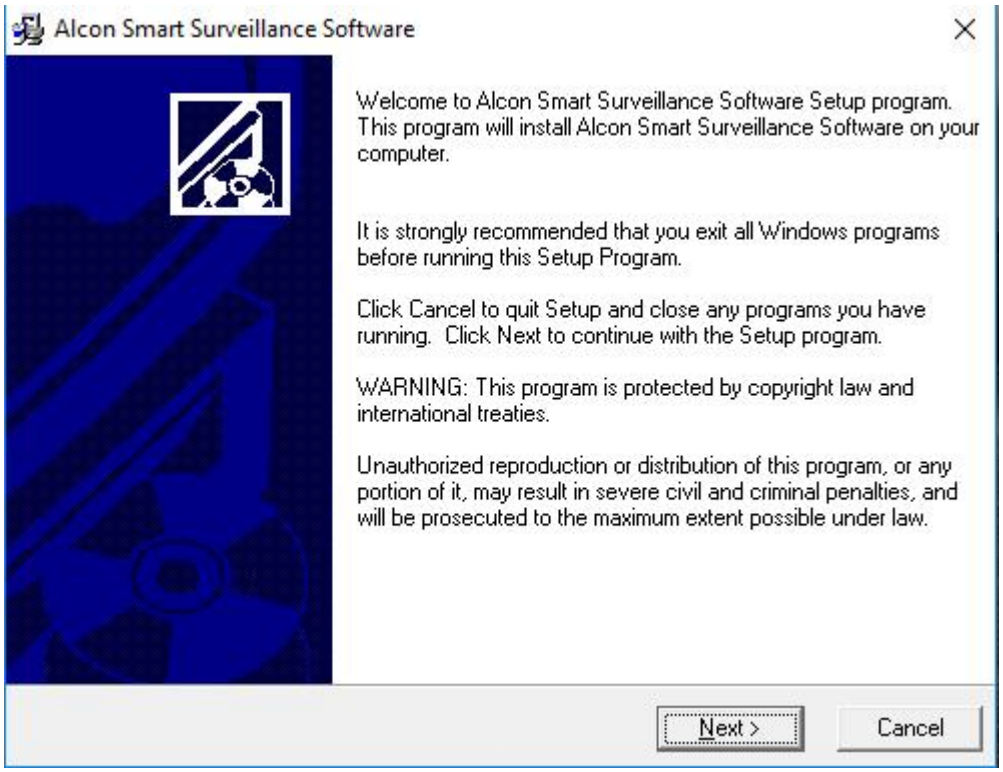


Figure 4.1.2

3. Click "Next". Successively click "Next". As shown in Figure 4.1.3

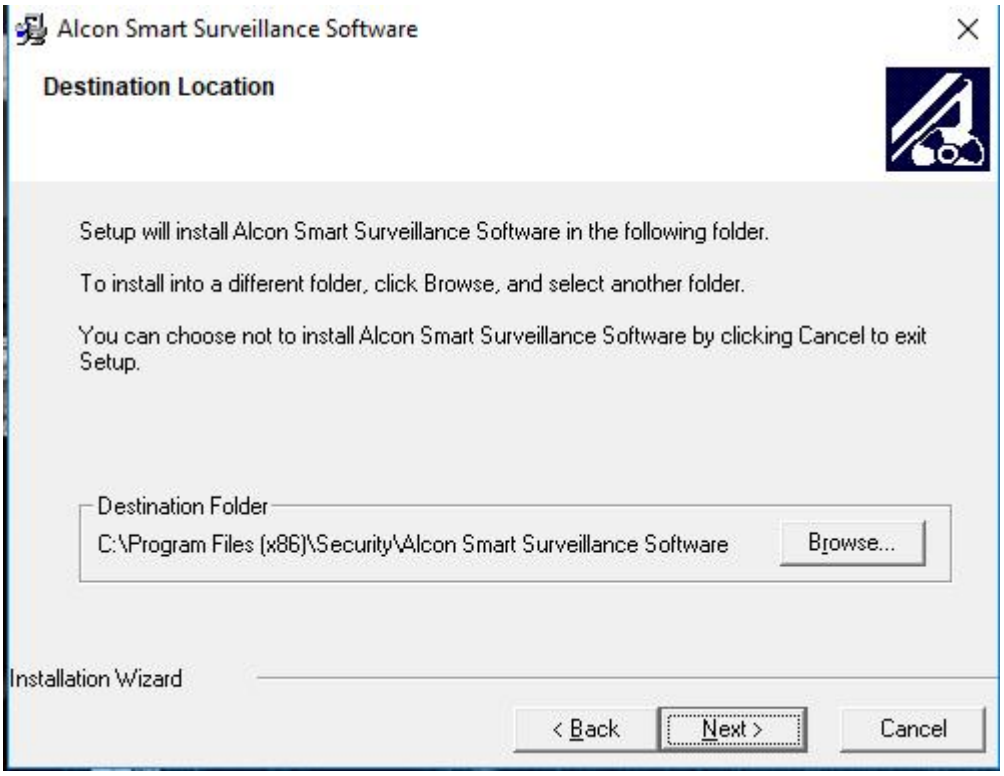


Figure 4.1.3

The default installation directory is Disk C, or click, browse and selects an installation directory customized: As shown in Figure 4.1.4

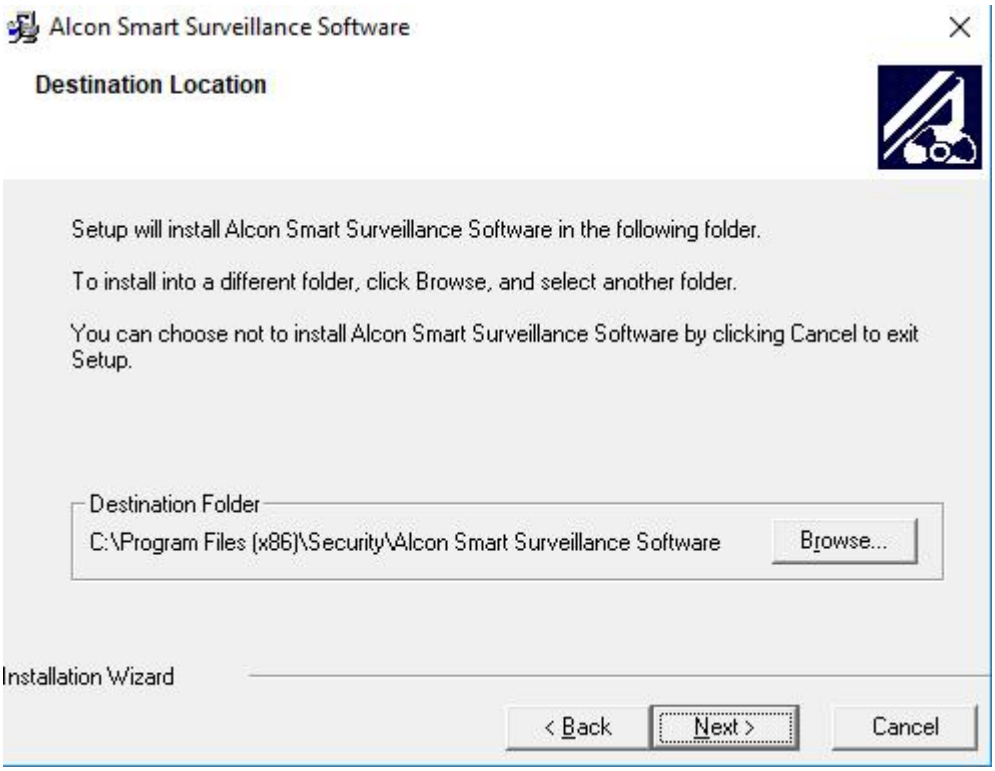


Figure 4.1.4

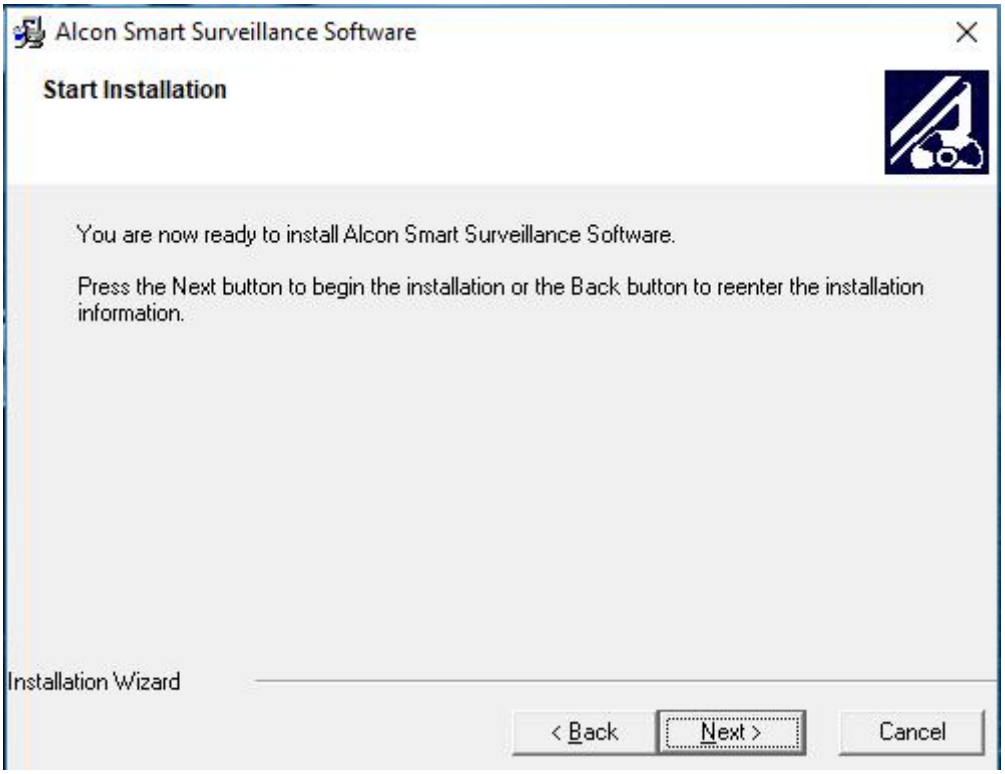


Figure 4.1.5

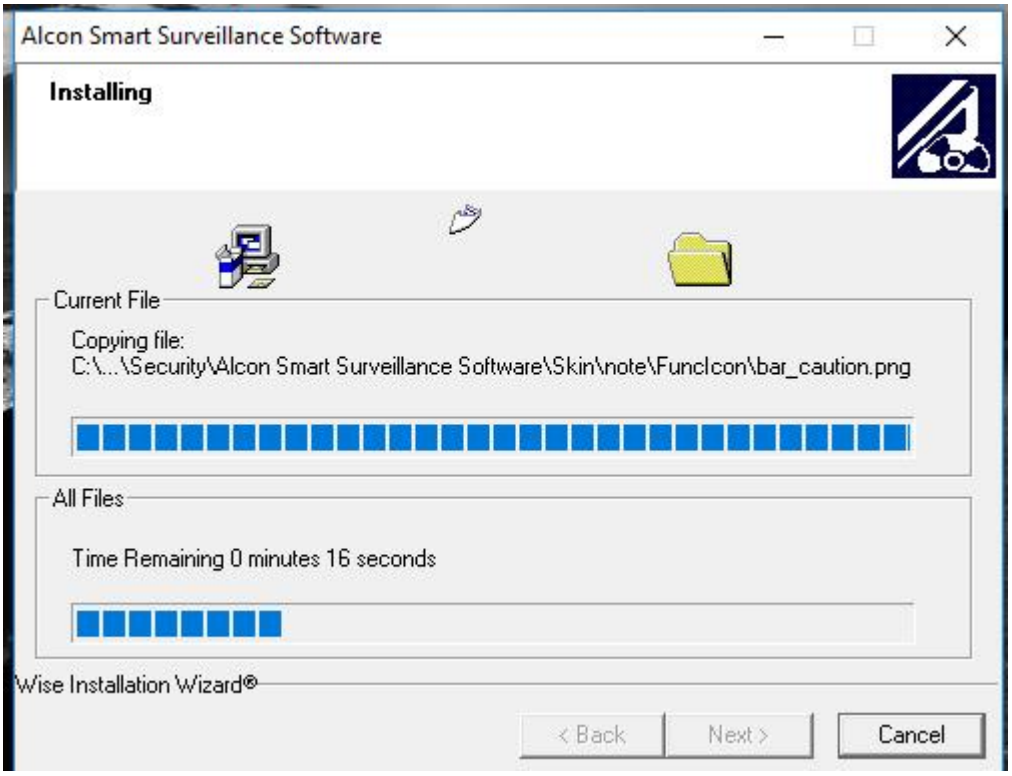


Figure 4.1.6

There is a prompt "install C++ system library or not" during installation, as shown in Figure 4.1.7. In case of initial installation, please select "install"; if it has installed, please select "cancel". Upon installation, click "Finish" as shown in Figure 4.1.8.

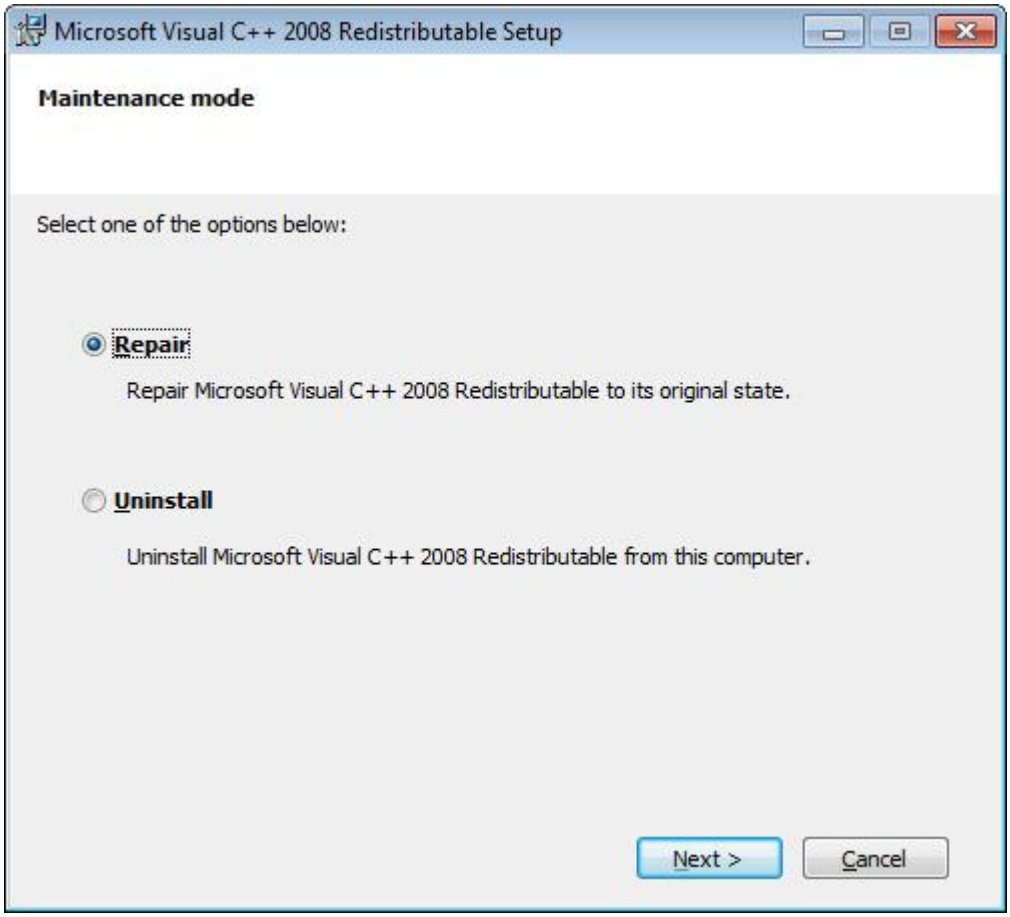

Microsoft Visual C++ 2008 Redistributable Setup
Maintenance mode
Select one of the options below:
Repair
Repair Microsoft Visual C++ 2008 Redistributable to its original state.
Uninstall
Uninstall Microsoft Visual C++ 2008 Redistributable from this computer.
Next >
Cancel

Figure 4.1.7

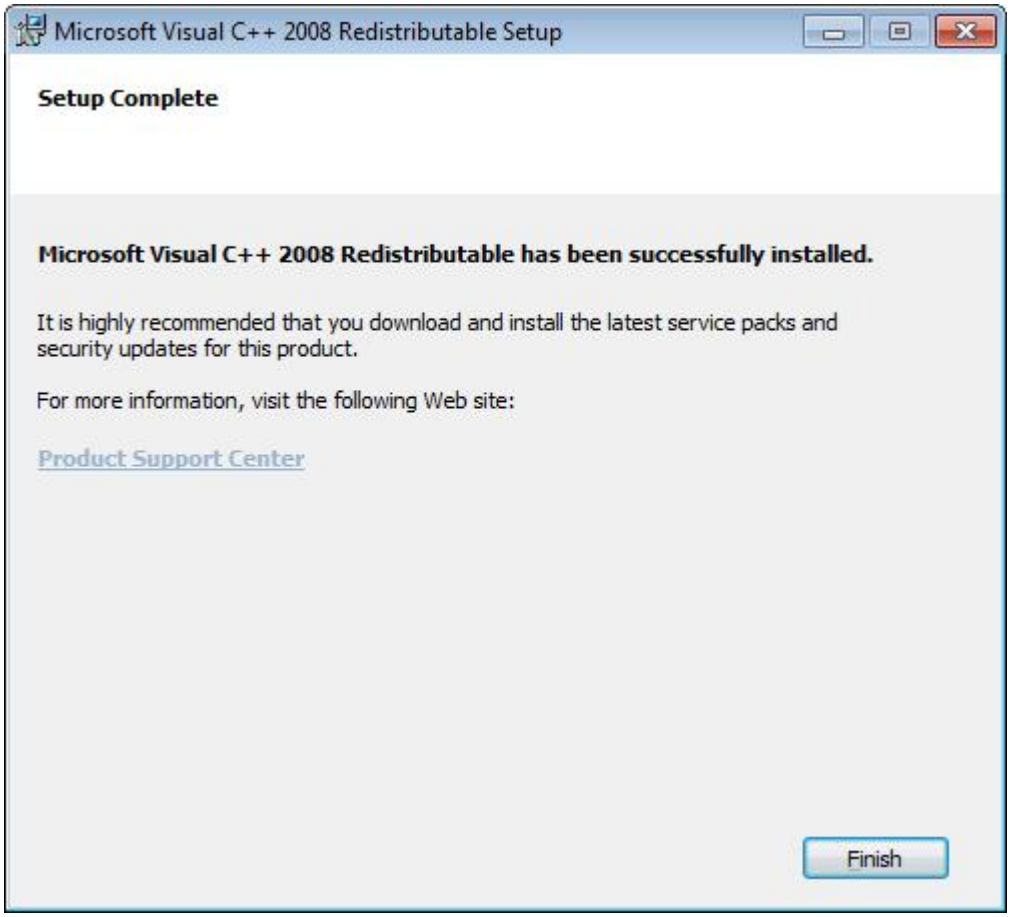


Figure 4.1.8

Figure 4.1.9

Click "OK" to finish the installation. (Note: system reboot is required for installation)

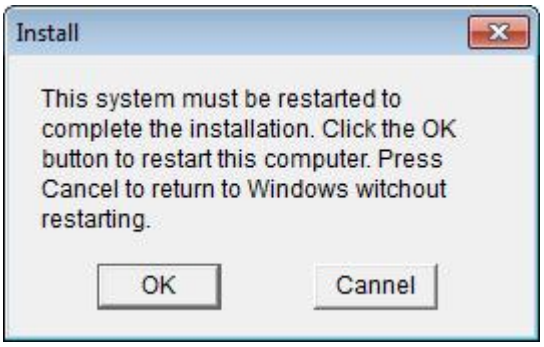


Figure 4.1.10

4.2 Software uninstallation

1. Select “Control Panel" > "Program & Features" > " Alcon Smart Surveillance Professional V7.12A **EXE** " > "Uninstall"

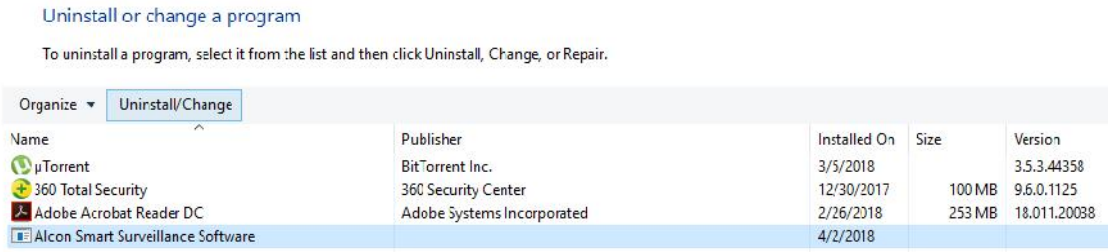


Figure 4.2.1

2. Click "OK". Program uninstallation will stop all running programs related to ASS, continue to uninstall. As shown in Figure 4.2.2

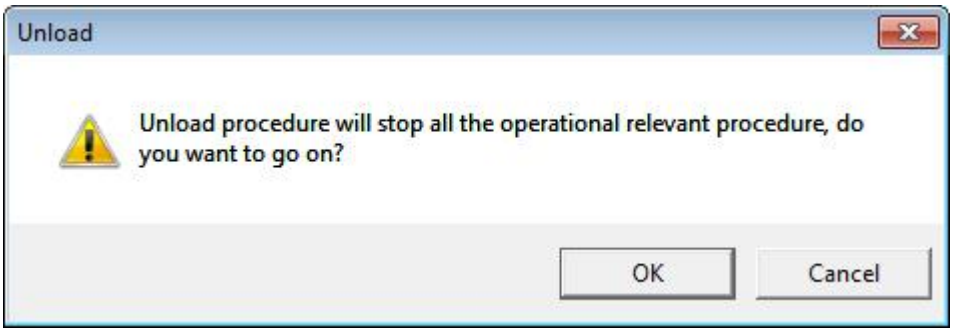


Figure 4.2.2

3. Successively click "Next" > "Finish", finish the uninstallation. As shown in Figures 4.2.3 and 4.2.4

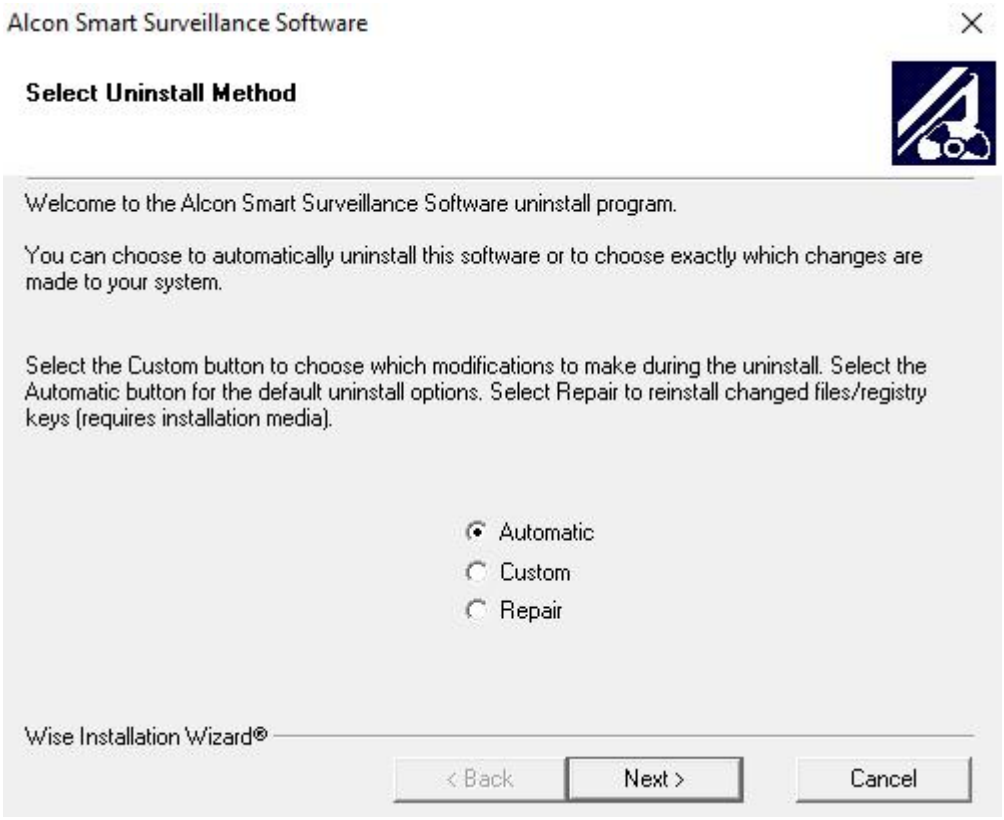


Figure 4.2.3

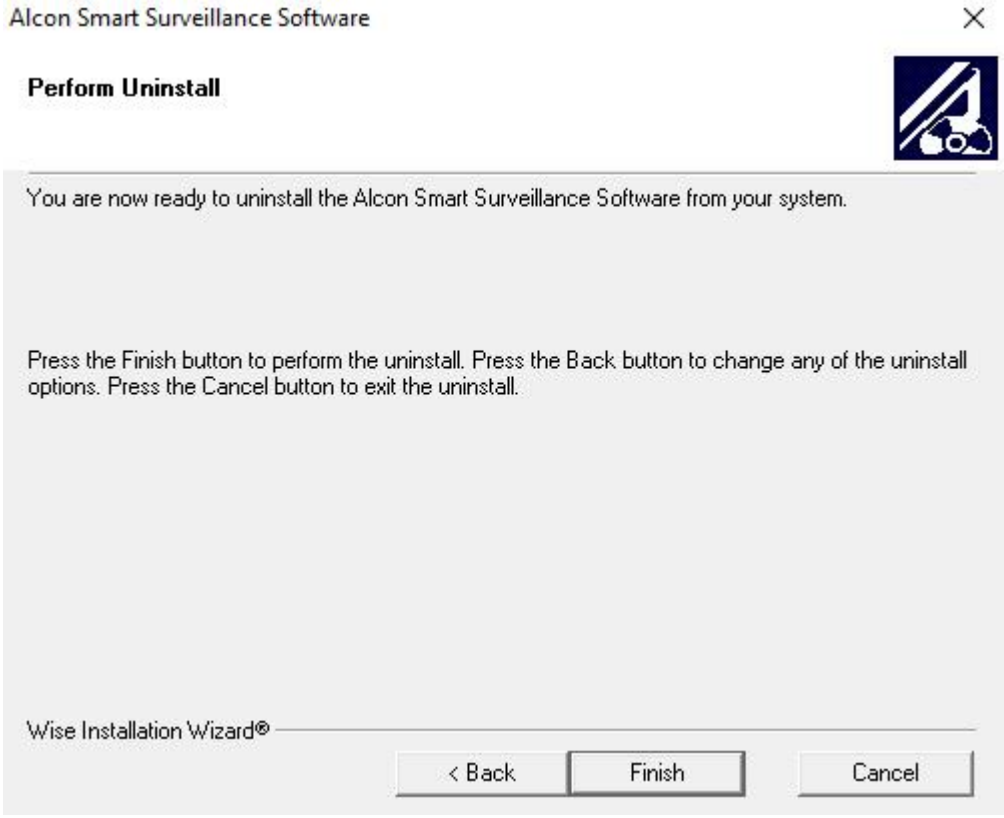


Figure 4.2.4

V. Login and Framework Setup of Software

5.1 Stand-alone version login

Double click app icon

on the desktop to enter system login interface, as shown in Figure 5.1.1.

Figure 5.1.1

(Note: default username and password are admin and 1111 respectively)

[More], click "More" to modify the user's password entered.

[Cancel], click "Cancel" to close down ASSS login interface.

5.2 Framework setup

Enter correct username and password, click to enter main ASSS program interface. Default grouping. As shown in Figure 5.2.1

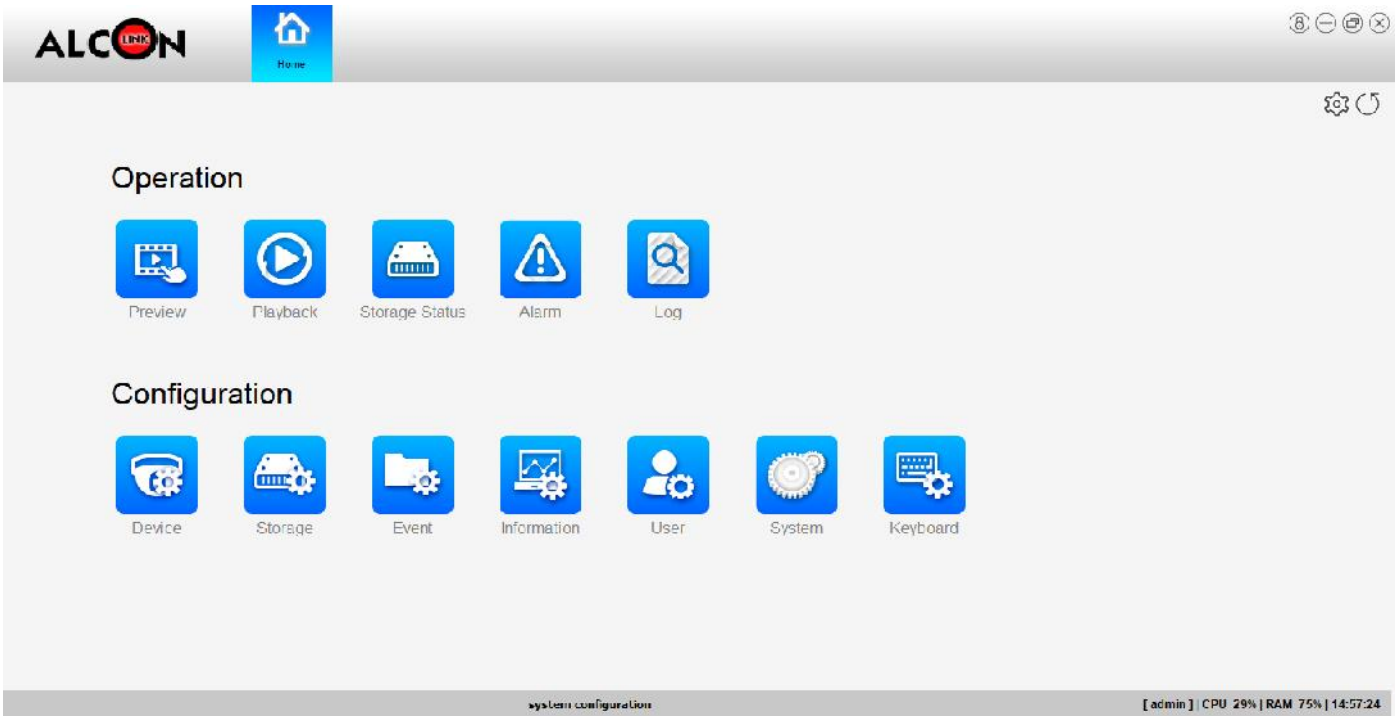


Figure 5.2.1

Default function items of interface are classified into: Video Preview, Video Playback, Store Status, Alarm Prompt, Log Query, Device Management, Storage Administration, Event Management, Device Parameter Configuration, User Management, System Setup, Keyboard Control.

User may group and add other function items as required, click the configuration on upper right corner to pop up an interface showing grouping list on the left and function list on the right. Other function items are classified into: Electronic Map, Face Retrieval, Behavioral Analysis, Passenger Flow, Cross-line Counting, Face Snapshot, TV Wall, Round Tour Plan, TV Wall Configuration, Offline Switching Setup, Guard, Guard Configuration, Vehicle Management, Monitoring and Control Management, Vehicle Query, Real-time Display for Vehicle Passed. As shown in Figure 5.2.2.

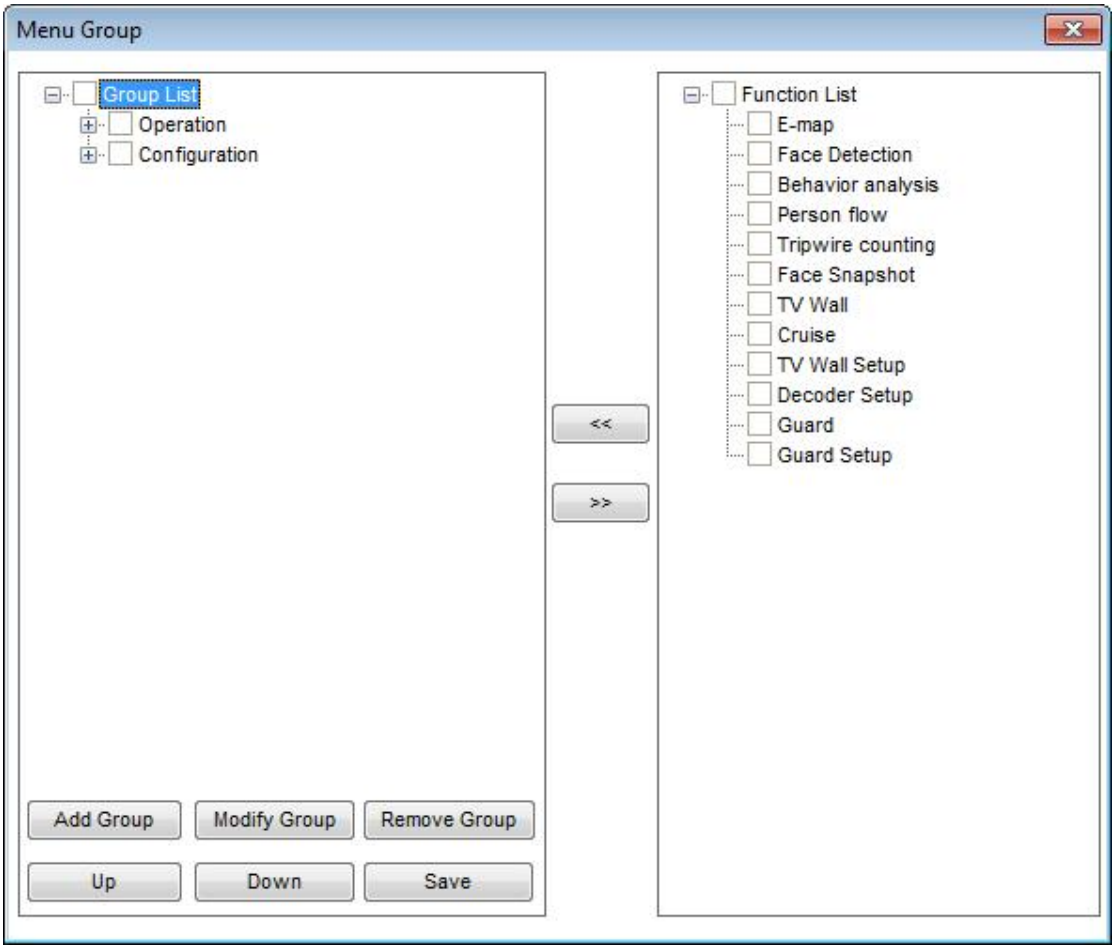


Figure 5.2.2

It may add grouping information as required by user. For example: Remove existing group and add TV wall group. As shown in Figures 5.2.3 and 5.2.4

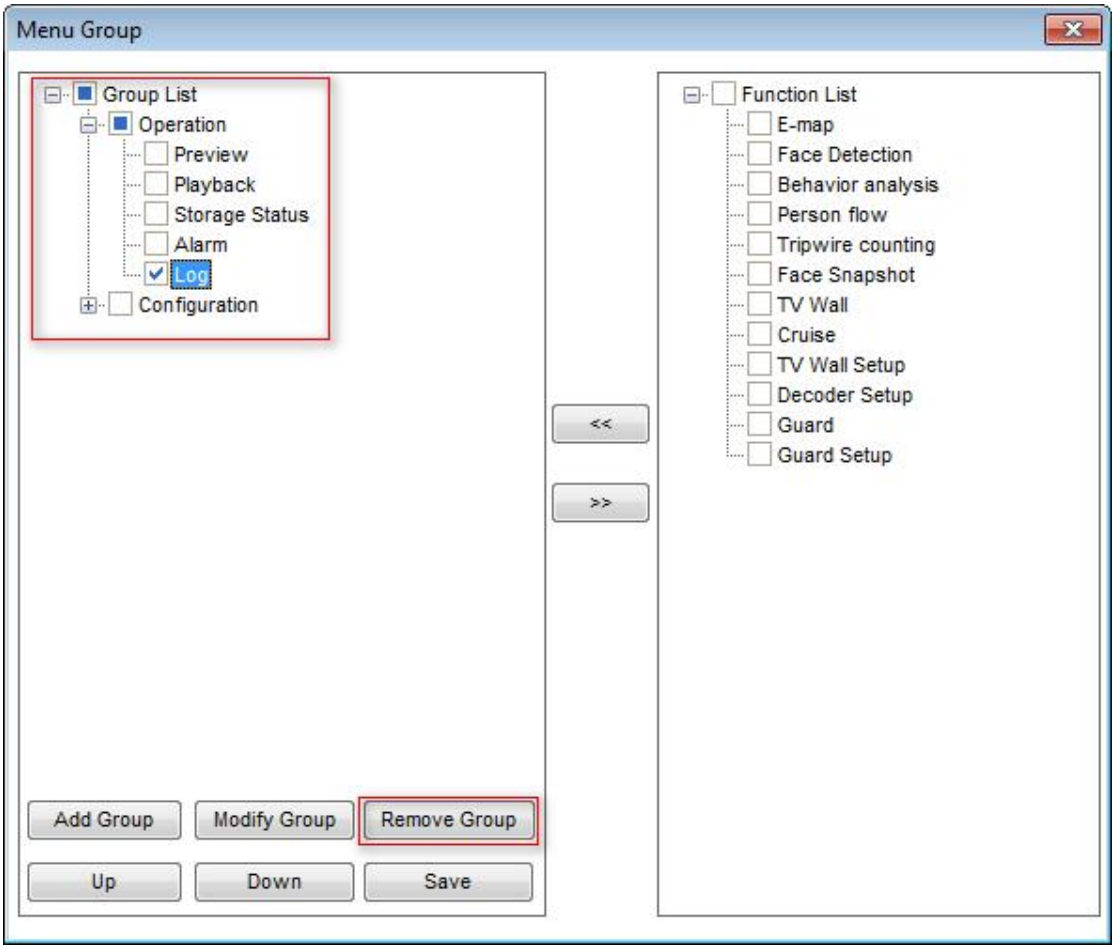

Menu Group
Group List
Operation
Preview
Playback
Storage Status
Alarm
Log
Configuration
Function List
E-map
Face Detection
Behavior analysis
Person flow
Tripwire counting
Face Snapshot
TV Wall
Cruise
TV Wall Setup
Decoder Setup
Guard
Guard Setup
<<
>>
Add Group
Modify Group
Remove Group
Up
Down
Save

Figure 5.2.3

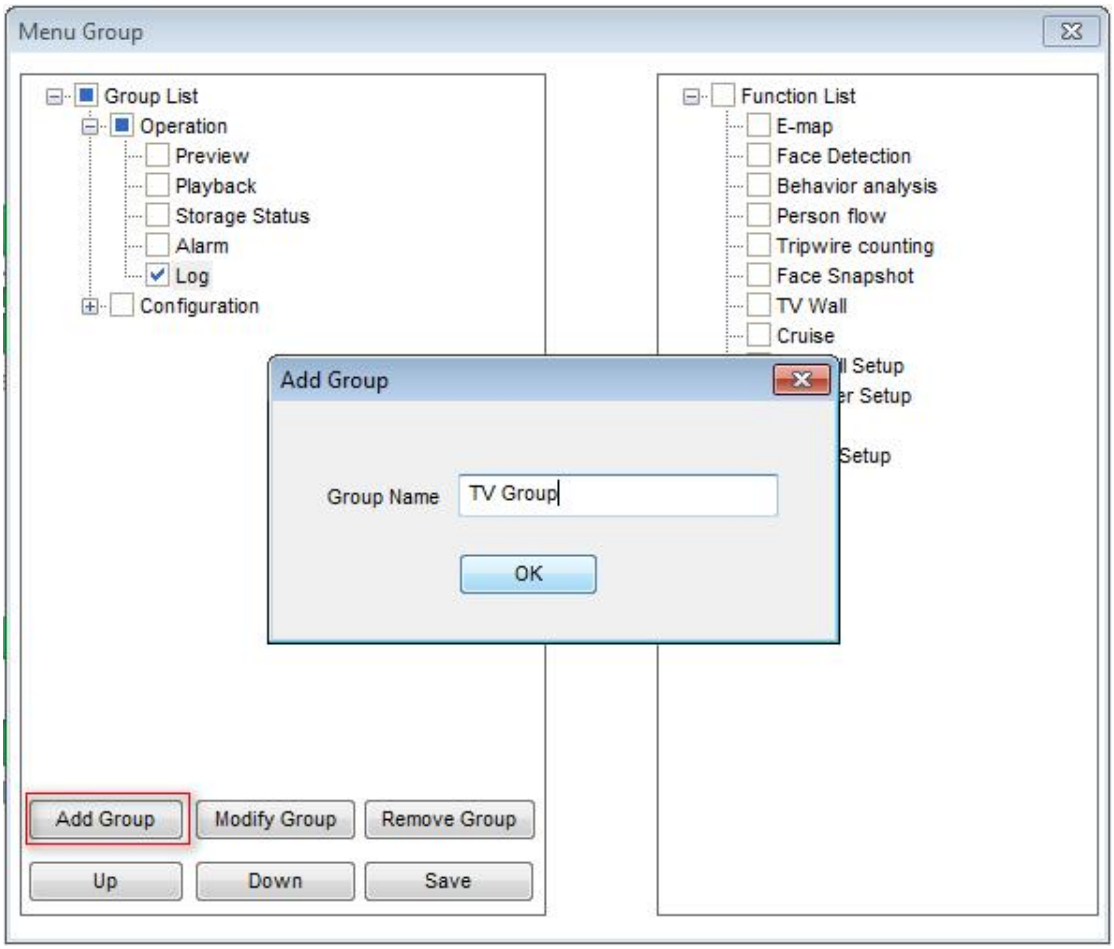


Figure 5.2.4

After confirmation, select [TV Wall Group] and check the function item(s) to be added into the group in the function list on the right. As shown in Figure 5.2.5

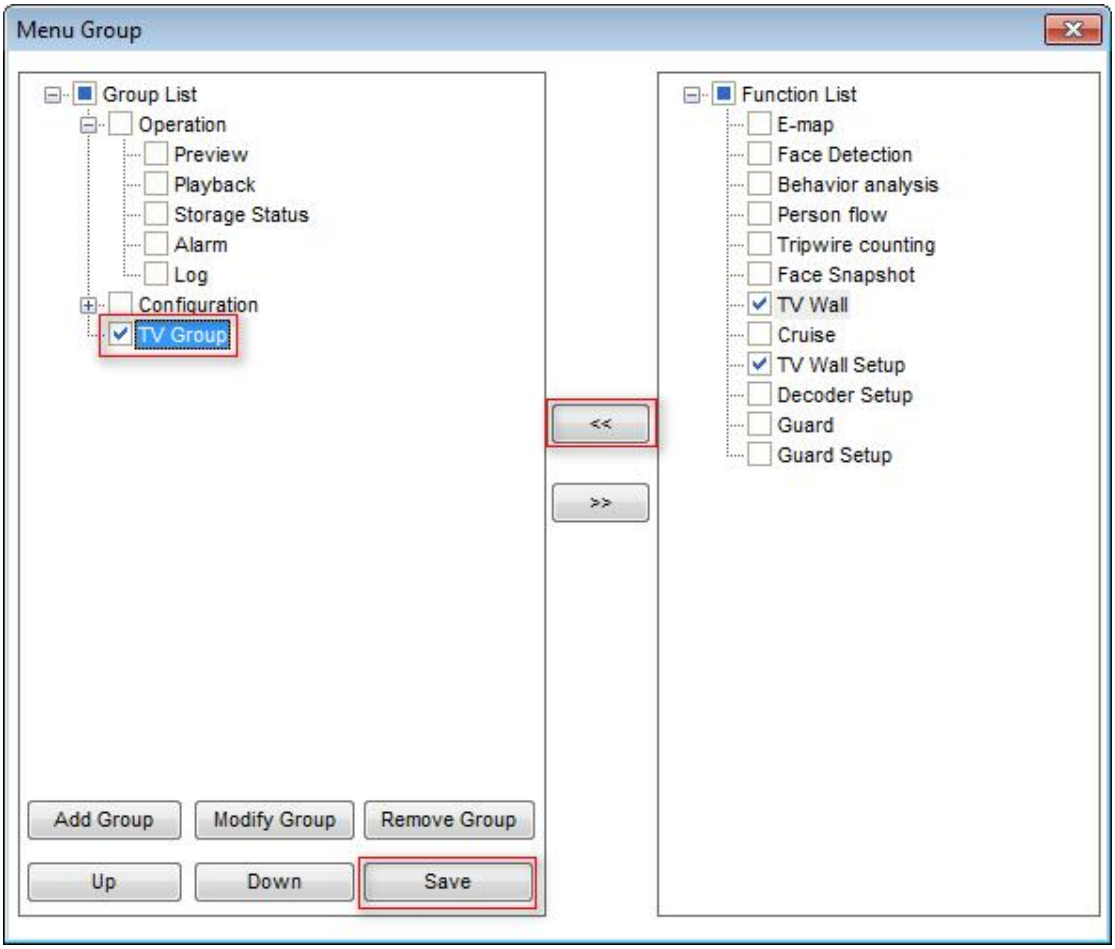


Figure 5.2.5

Save settings. As shown in Figure 5.2.6

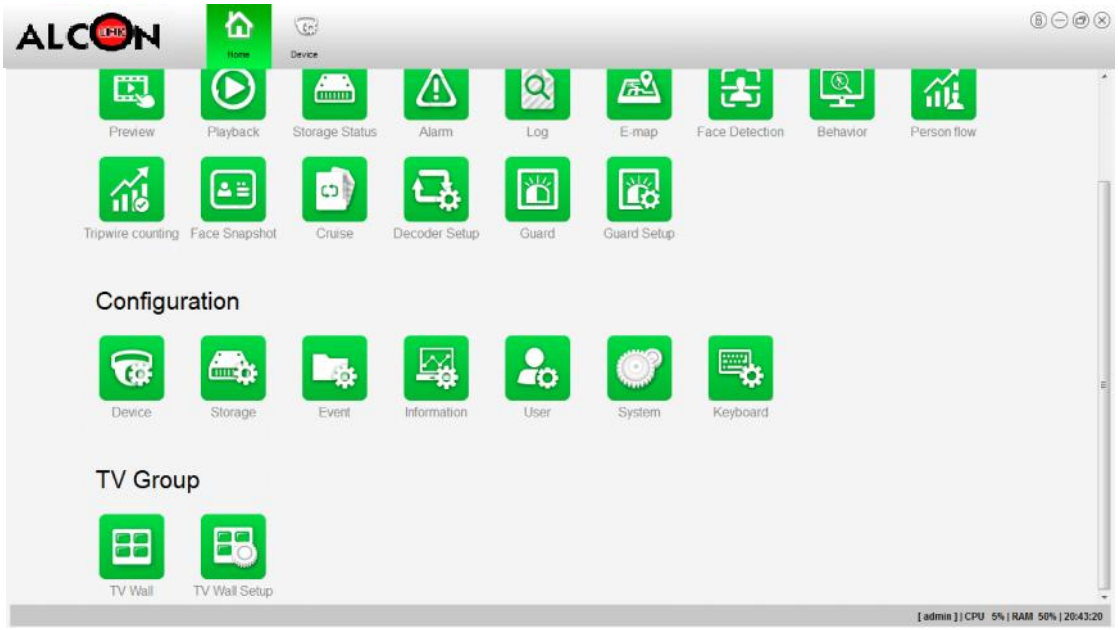


Figure 5.2.6

It may also add, modify or delete different groups as per different functions, and then save the setting. As shown in Figures 5.2.7 and 5.2.8

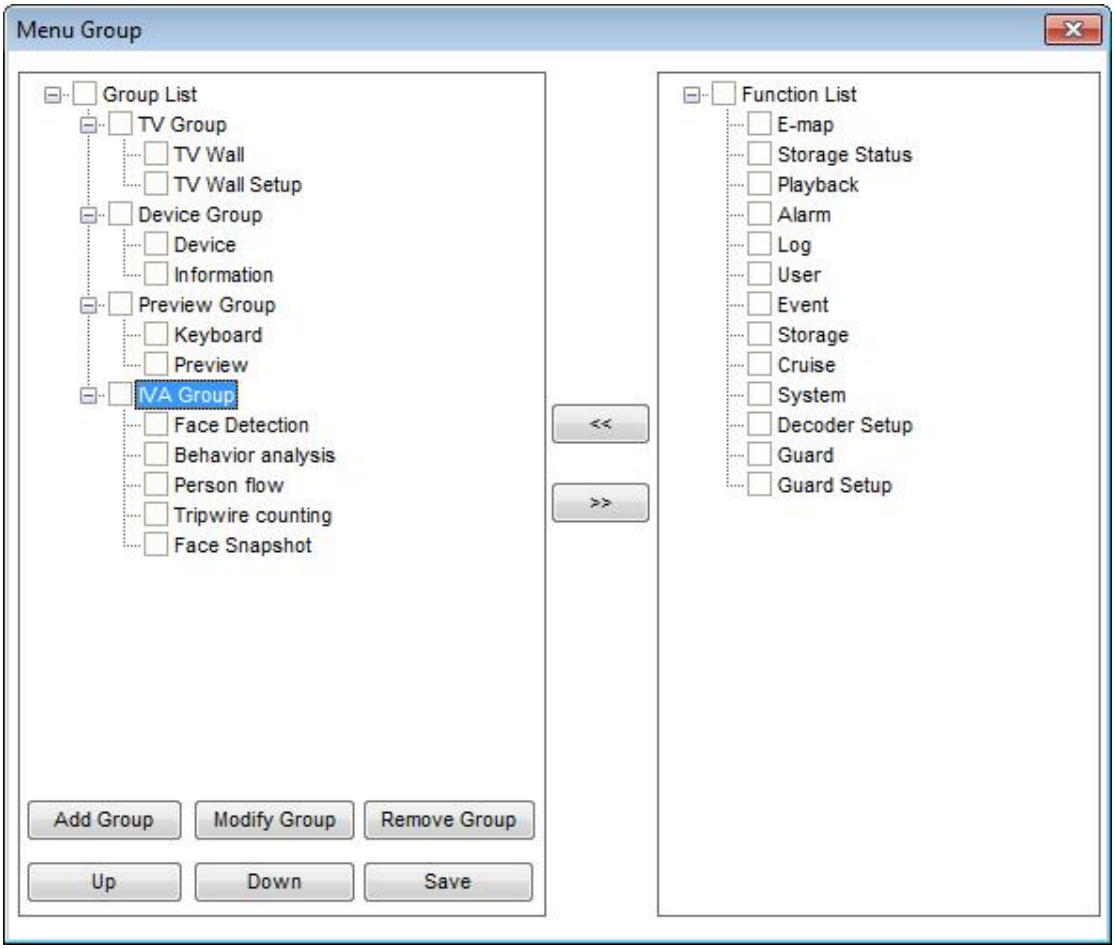


Figure 5.2.7

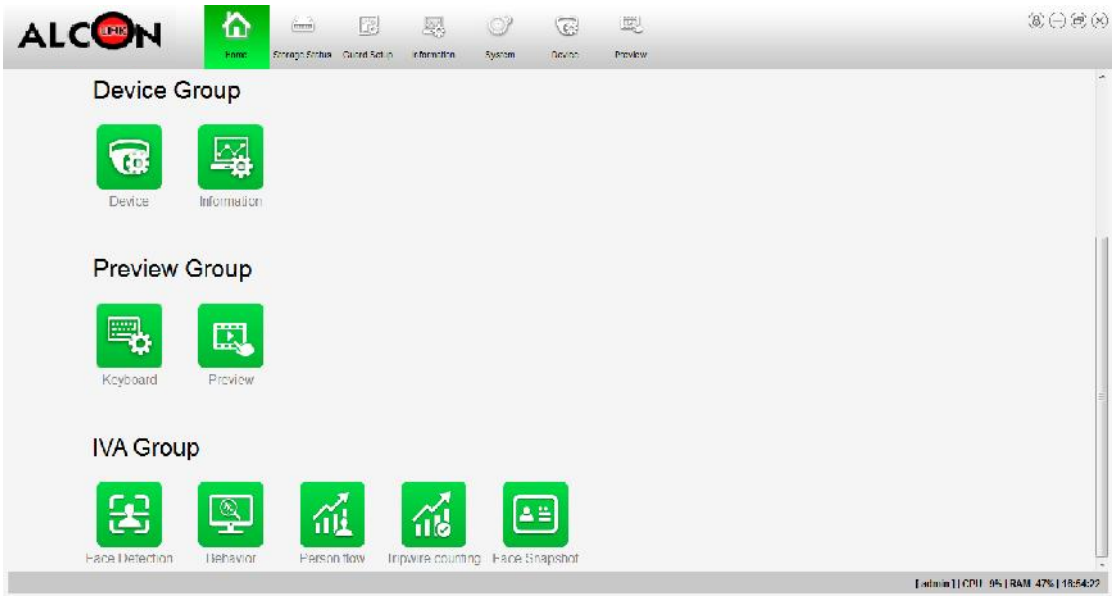


Figure 5.2.8

Note: For each login, active user will see customized interface currently.

If the user intends to recover the default grouping settings, it can click "Restore Default Settings" on the upper right corner.

Click right-hand button on the title bar to rename for the purpose of distinguishing function page. For example, A user has created several video preview pages. If it is unable to distinguish them, the function could be activated.

VI. Maintenance Instructions

6.1 Device management

6.1.1 Encoding device management

: Display button of device management, showing the device management interface.

Click [Device Management] to enter corresponding interface, and you can see all added encoding devices of current system, and search for encoding devices and corresponding channels, alarm ports, etc., existed in current network, as shown in Figure 6.1.1.

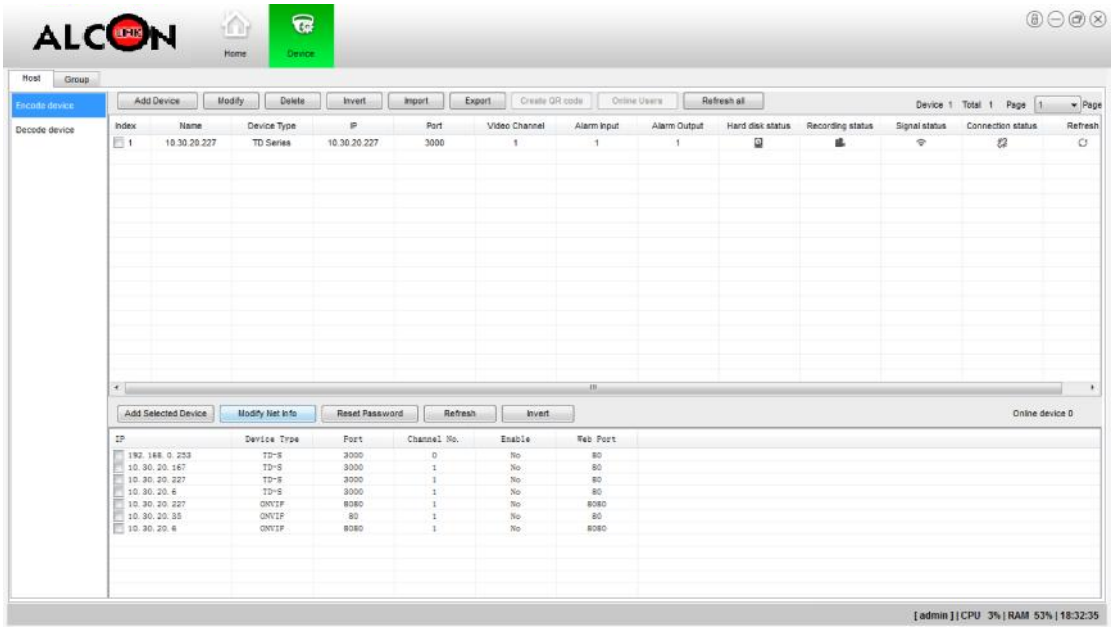


Figure 6.1.1

6.1.1.1 Addition of encoding device

There are two methods to add an encoding device, namely, single addition and automatic addition; single addition is as shown in Figure 6.1.2

Figure 6.1.2

Single addition:

Click [Add Device] to pop up a window for addition of video encoding device, as

shown in Figure 6.1.3

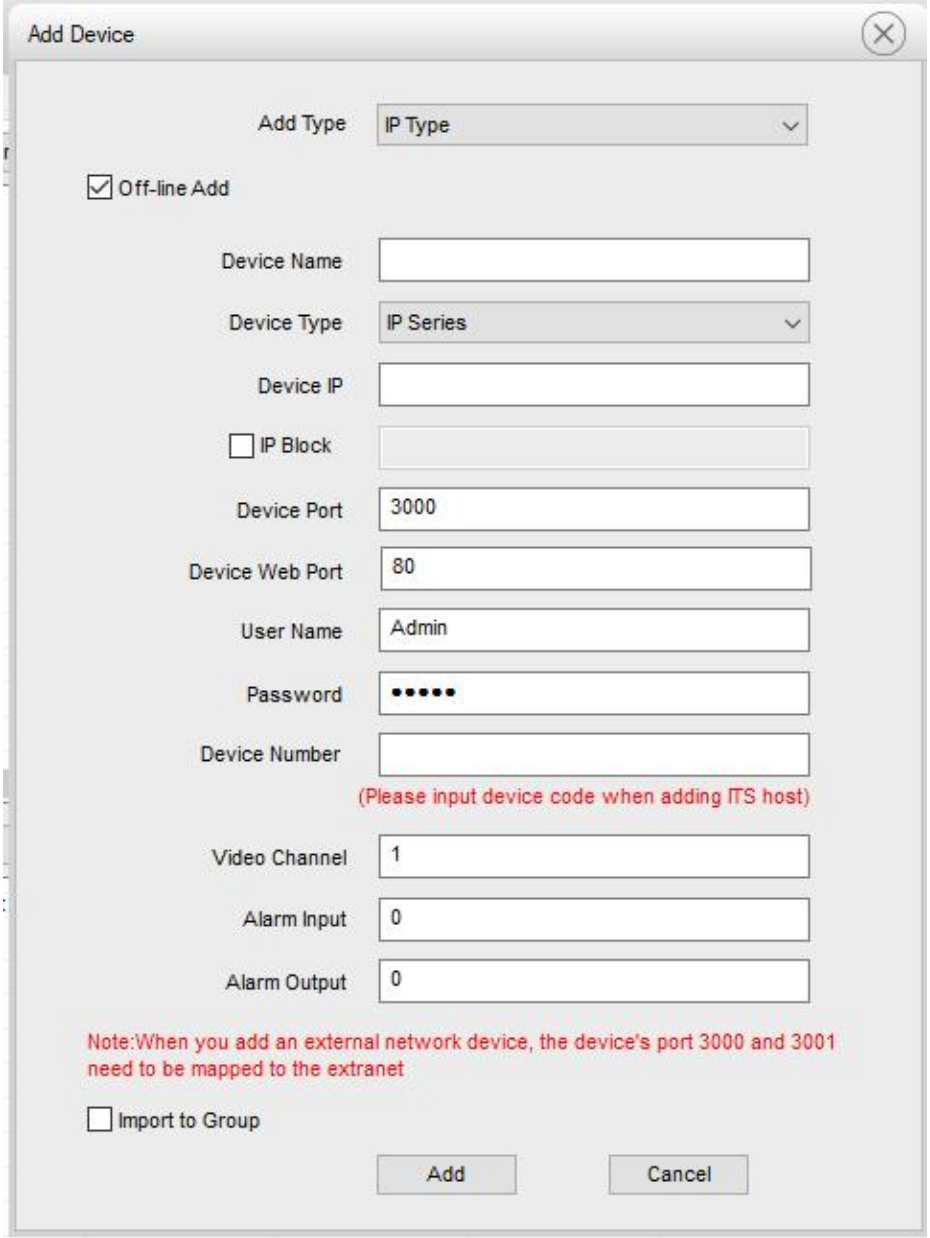


Figure 6.1.3

Basic information of device:

[Add Mode], select different addition modes.

[Offline Add], after checking, you can add a device online or offline. If removing the check, you can only add the online device.

[Device Name], name of "add encoding device". (The addition of name of encoding device is limited to illegal character, and the following characters are prohibited~!#$%^()=[]{},":;'<>?*`+/\&)

[Device Type], selectable types of encoding device: Private series (Alcon series), ONVIF series, PC-DVR and TDA series (network alarm encoding device).

[Username], login username of "add encoding device".

[Password], login password of "add encoding device".

[Device ID], it is required to enter the host ID when adding a TD traffic host, which is unrepeatable.

[Number of Video Channel], total number of video channel for "add encoding device".

[Number of Alarm Input], total number of alarm input port for "add encoding device".

[Number of Alarm Output], total number of alarm output port for "add encoding device".

[Import into Group], after checking, the system will automatically add the device to the custom list and create the group (the same with the name of device).

Different settings in various modes

Add a device in the manner of IP

[Device IP], IP of "add encoding device".

[IP Segment], when checking [IP Segment], it may add the IP of encoding device in batch. For example, if adding IP of 1.1.1.1 at [Device IP], 1.1.1.20 at [IP Segment], it will add 20 encoding devices whose IP ranges from 1.1.1.1 to 1.1.1.20.

[Port], communication port of "add encoding device".

Add network alarm host:

Note: For network alarm device, it is required to set and add the DVR type device to the client.

Proxy information:

[Proxy Type] consists of [General Proxy] and [Middleware Proxy].

As for [General Proxy], it is required to fill in [Device IP], [Device ID] (void), [Proxy IP] (proxy server IP), and in [Proxy Port] (proxy server port) respectively. As shown in Figure 6.1.4

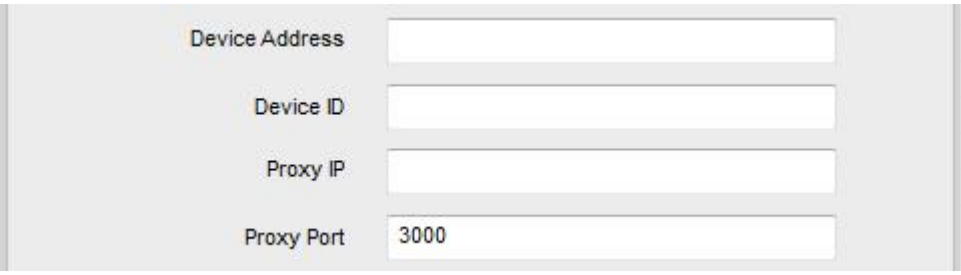


Figure 6.1.4

As to [Middleware Proxy], it is required to fill in [Device ID] on the middleware, [Access Server-side Middleware ID], [Access Server-side Middleware IP], [Access Server-side Middleware Port], [Server-side Middleware ID], [Server-side Middleware IP]. As shown in Figure 6.1.5

Note: In the process of middleware proxy, it is required to manually fill in device ID, which should be the same with that of encoding device in the middleware.

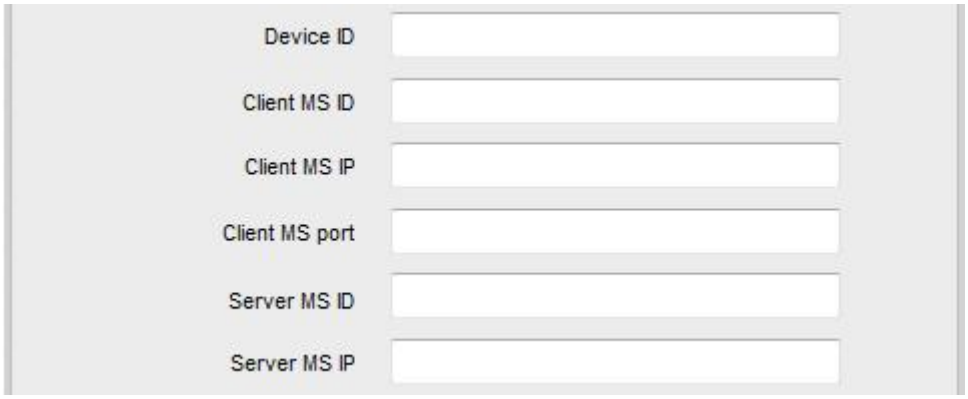


Figure 6.1.5

Domain information:

Four types of [Standard Domain Name], [Private Domain Name], [Tiandy Domain Name] and [Active Mode].

[Standard Domain Name], decoded by standard DNS. At this time, it is required to add [DNS][Port]. As shown in Figure 6.1.6:

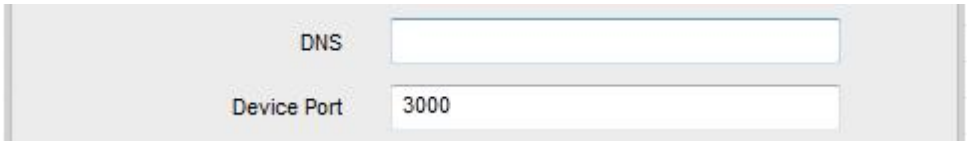


Figure 6.1.6

[Private Domain Name], it is required to set the relevant information of server decoding via private domain name. Figure 6.1.7

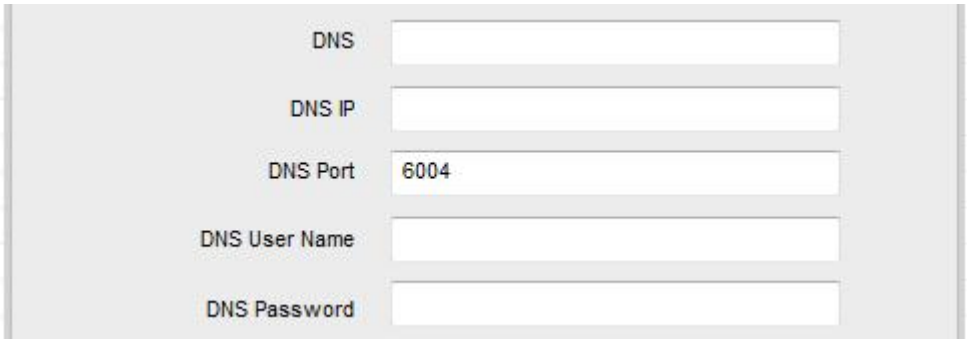


Figure 6.1.7

[Tiandy Domain Name], decoded by Tiandy DNS. By this time, it is similar with decoding configuration of private domain name, and it is not required to configure DNS IP and port; internally, it is configured based on default IP and port and external network should be accessible from the client.

[Active Mode], the device could be connected in the active mode. By this time, it should add [Device ID], [Directory Server IP], [Directory Server Port], [DNS Username] and [DNS Password] respectively. As shown in Figure 6.1.8

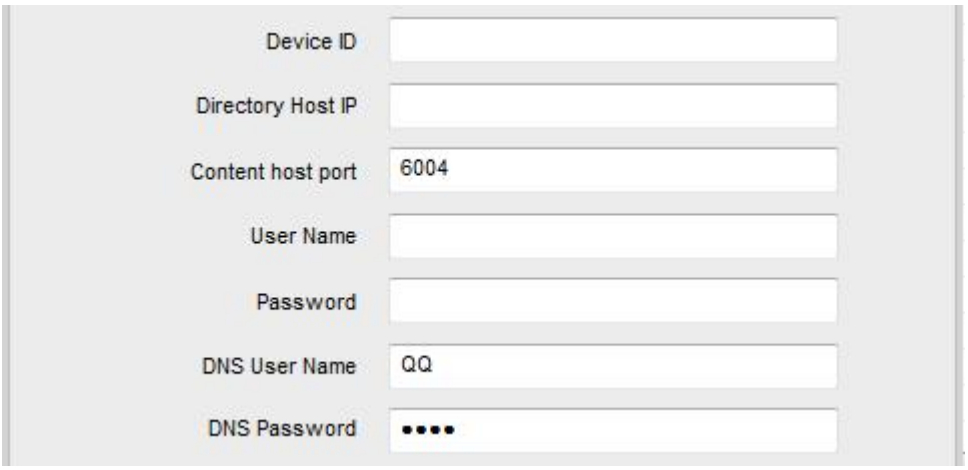


Figure 6.1.8

Automatic search device:

Online device and related information are shown below. As shown in Figure 6.1.9

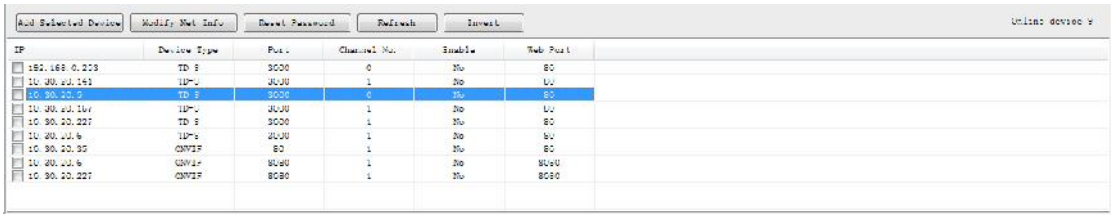


Figure 6.1.9

[Add To the Client], after checking the device, it may add to the device list automatically.

[Modify Network Information], modify network information of device, and may modify device IP and port information, as shown in Figure 6.1.10.

[Refresh], refresh online information of device.

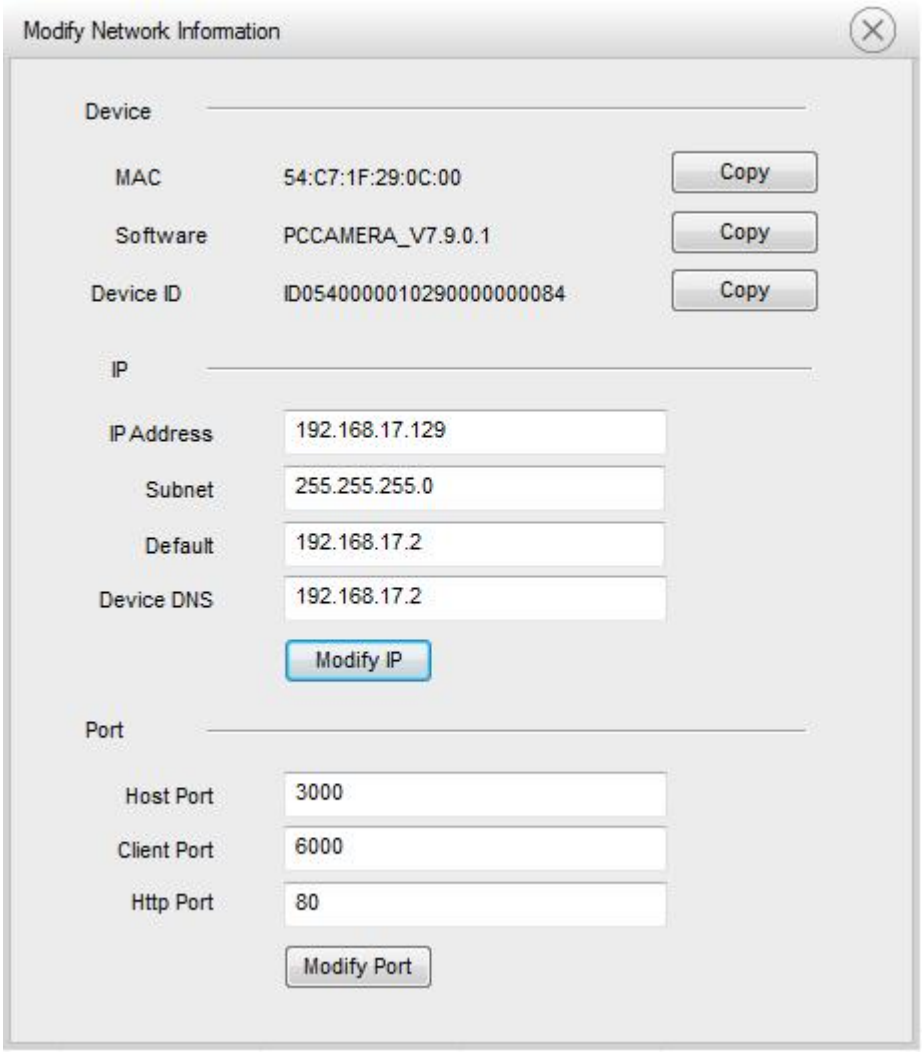


Figure 6.1.10

Figure 6.1.11

Check one or several devices in device box (if "No" appears in [Managed or Not], it means the device has not been added), click [Add To the Client] to pop up "add device" interface, and then enter the username and password of device (for several devices, it is advised to set a uniform username and password); if selecting "Import into Group", it will import the device into a group automatically, otherwise it is required to add manually to the group, as shown in Figure 6.1.12 (wrong information of username, password, port, etc. will result in failing to add some devices in batch)

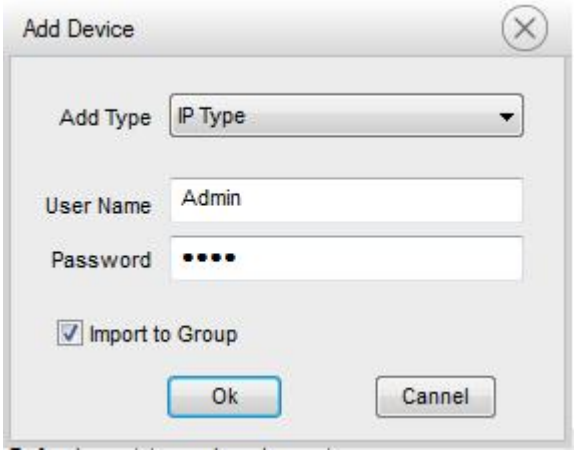


Figure 6.1.12

A prompt box will pop up after successful addition, and will prompt the device IP failing to be added. As shown in Figure 6.1.13

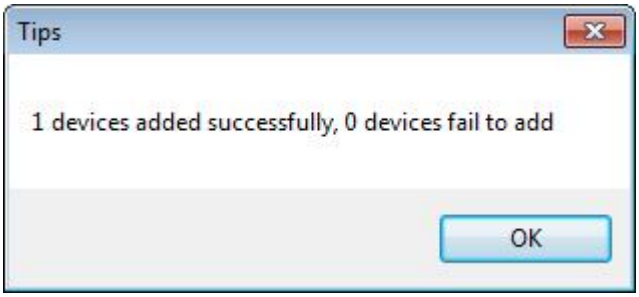


Figure 6.1.13

6.1.1.2 Modification of encoding device information

In encoding device management, check the device to be modified and click the [Modify], as shown in Figure 6.1.14

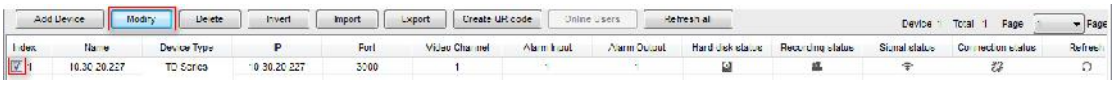


Figure 6.1.14

"Modify" interface pops up, as shown in Figure 6.1.15

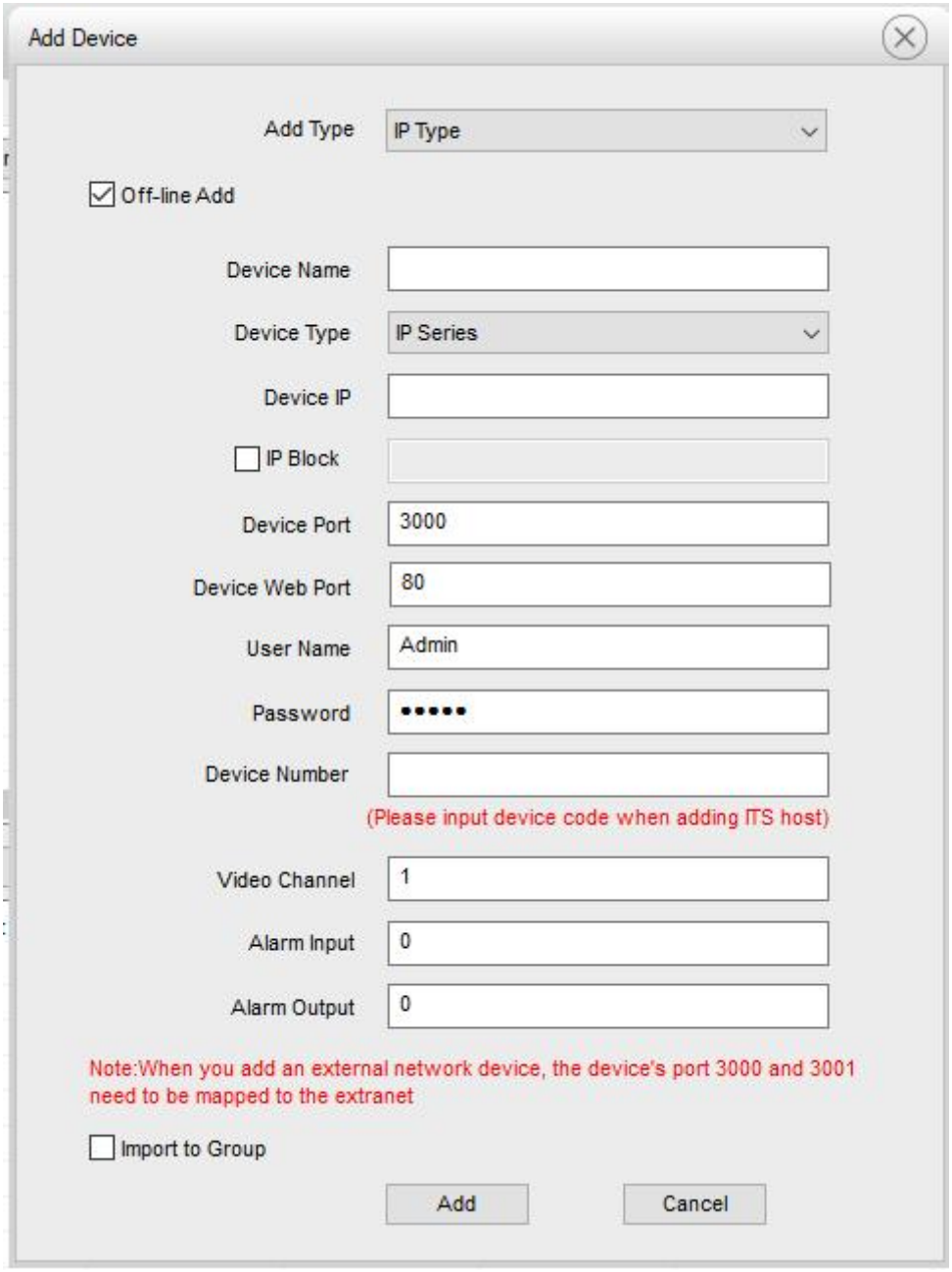


Figure 6.1.15

By this time, the system will call the basic information of encoding device checked. Fill in new information in the place to be modified and then click [Modify]. The operation steps are basically the same with those of "add encoding device".

6.1.1.3 Delete encoding device

If one or several encoding devices are checked, clicking [Delete] will delete one or several encoding devices. As shown in Figure 6.1.16

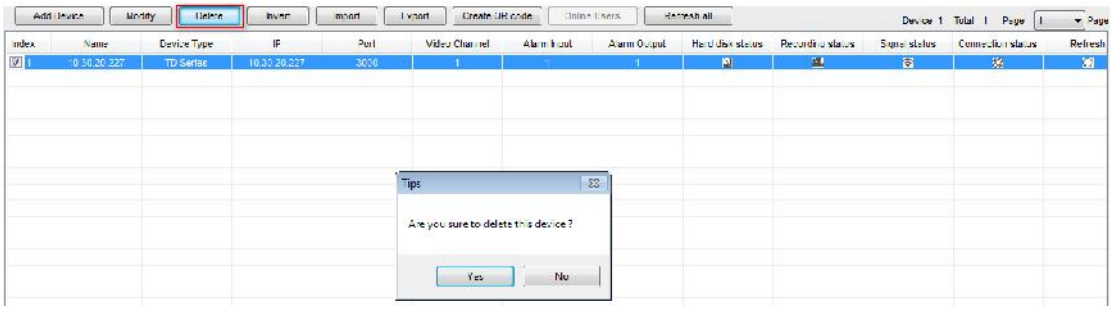


Figure 6.1.16

6.1.1.4 Retrieval of encoding device

Retrieve encoding device:

After selecting [Grouping] and entering the name of encoding device in the device list on the left, it could search the device location fuzzily. As shown in Figure 6.1.17

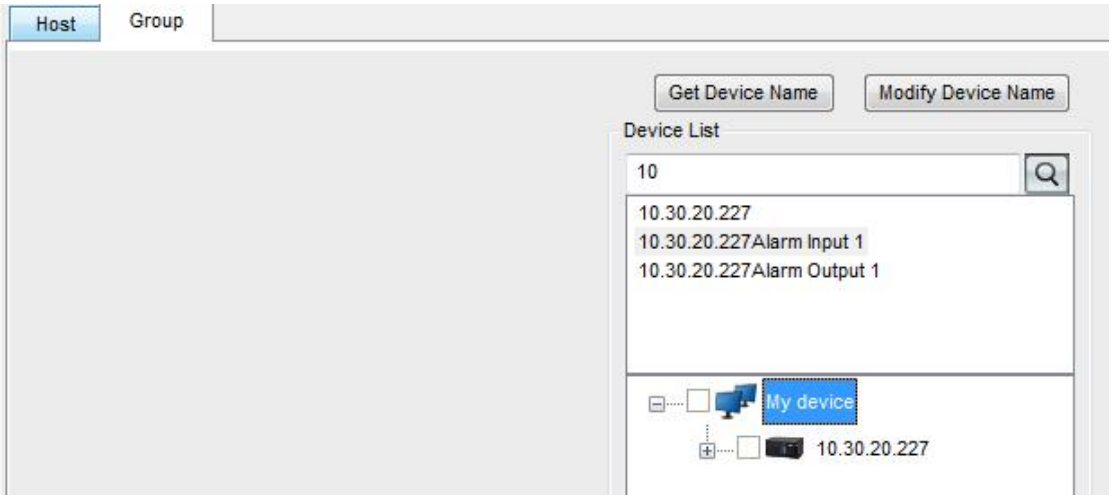


Figure 6.1.17

6.1.2 Video channel

6.1.2.1 View and modify

Select [Grouping], check the channel of encoding device in [Device List], and click [Modify Information]. As shown in Figure 6.1.18

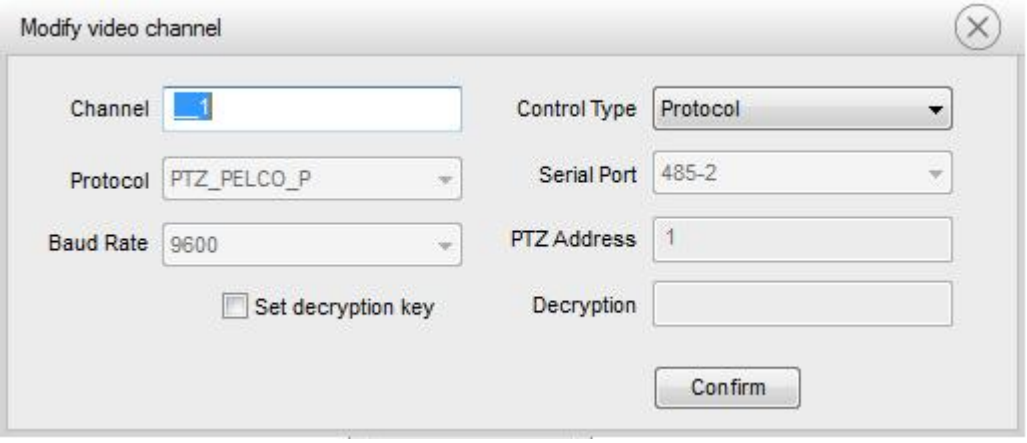


Figure 6.1.18

The system will automatically fill the relevant information of encoding device that the channel is located in corresponding positions, making it convenient for modification.

[Channel Name], fill in the name of channel newly added for the encoding device.

[Control Type], two modes are available for user's choice, namely, protocol and transparent channels. The system supports these two control types, so the user could make any choice as required.

[Protocol Type], six types are available for user's choice, that is, PTZ_PELCO_P, PTZ_PELCO_D, PTZ_TC615_P, DOME_PELCO_P, DOME_PELCO_D, and DOME_PLUS respectively. If you intend to control the cradle head and perform other operations on the front-end device, the protocol type is required to bring into correspondence with the front-end device.

[Serial Port Number], five types are available for user's choice, namely 232, 485-1, 485-2, 485-3 and 485-4 respectively. If you intend to control the cradle head and perform other operations on the front-end device, the serial port number is required to bring into correspondence with the front-end device.

[PTZ Address], fill in any digit ranging from 1-256. If you intend to control the cradle head and perform other operations on the front-end device, the PTZ address is required to bring into correspondence with the front-end device.

[Baud rate], if you intend to control the cradle head and perform other operations on the front-end device, the Baud rate is required to bring into correspondence with the front-end device.

[Set Decryption Key of Video], the user could make a choice about whether to set the video decryption (set IE in the device and encrypt).

[Decryption Key], set the contents of decryption key.

6.1.2.2 Add and delete

Modify the information interface of encoding device; add or delete the channel number based on the number of video channel.

6.1.2.3 Acquire the channel name

Select online encoding device or channel, and click [Acquire the Channel Name]. As shown in Figure 6.1.19

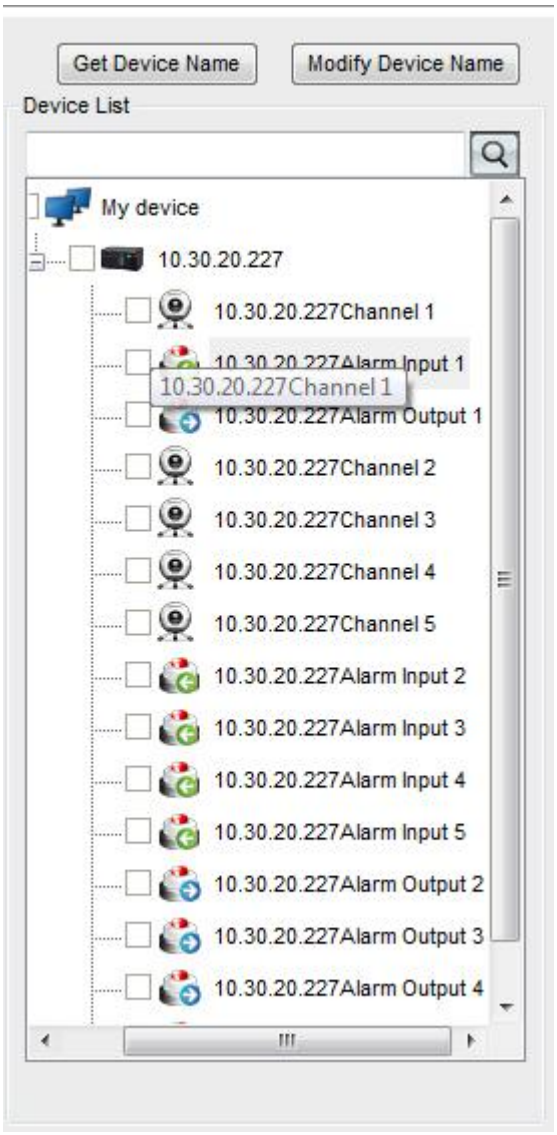


Figure 6.1.19

6.1.3 Alarm port

6.1.3.1 View and modify

Select [Grouping], check the alarm input or output of encoding device in [Device List], and click [Modify Information]. As shown in Figure 6.1.20

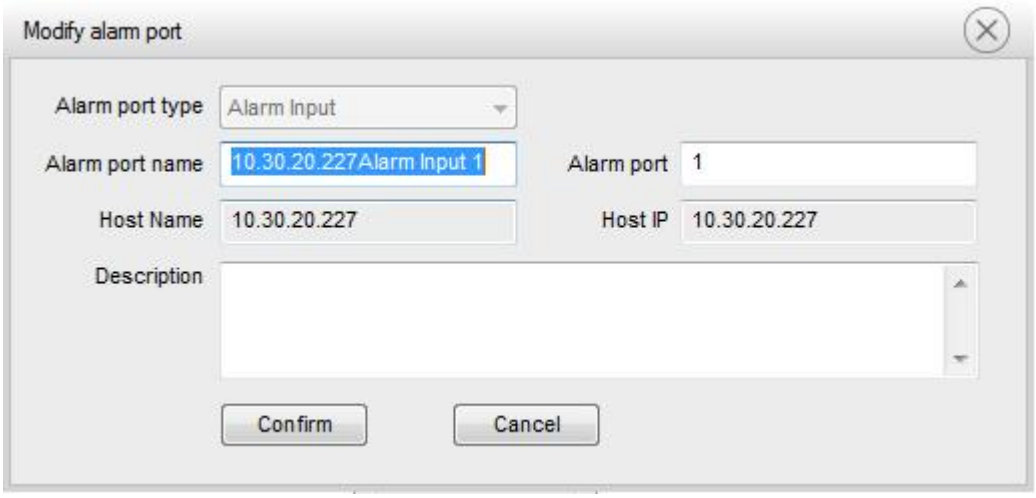


Figure 6.1.20

The system will automatically fill the relevant information of encoding device that the alarm port is located in corresponding positions, making it convenient for modification.

[Alarm Port Type], type of alarm port displayed, which is unchangeable.

[Alarm Port Name], the user could fill in the alarm port name as required.

[Alarm Port Number], the user could fill in the alarm port number as required, which is unrepeatable with the existing port number however.

[Host Name], the system adds automatically the name of encoding device selected, which is unchangeable.

[Host IP], the system adds automatically the IP of encoding device selected, which is unchangeable.

[Alarm Port Description] the user can fill in simple description of the alarm port as required.

6.1.3.2 Add and delete the alarm port

Modifying the information interface of the encoding device can add or delete according to the numbers of alarm input and alarm output.

6.1.4 Grouping management

Click [Grouping] to enter the grouping management interface, and you will see all device information and custom group information of the current system. As shown in Figure 6.1.21, the custom list has the functions of "move up" and "move down". Select a node, click the "move up" button, the node will move up to a position; click the "move down" button, the node will move down to a position.

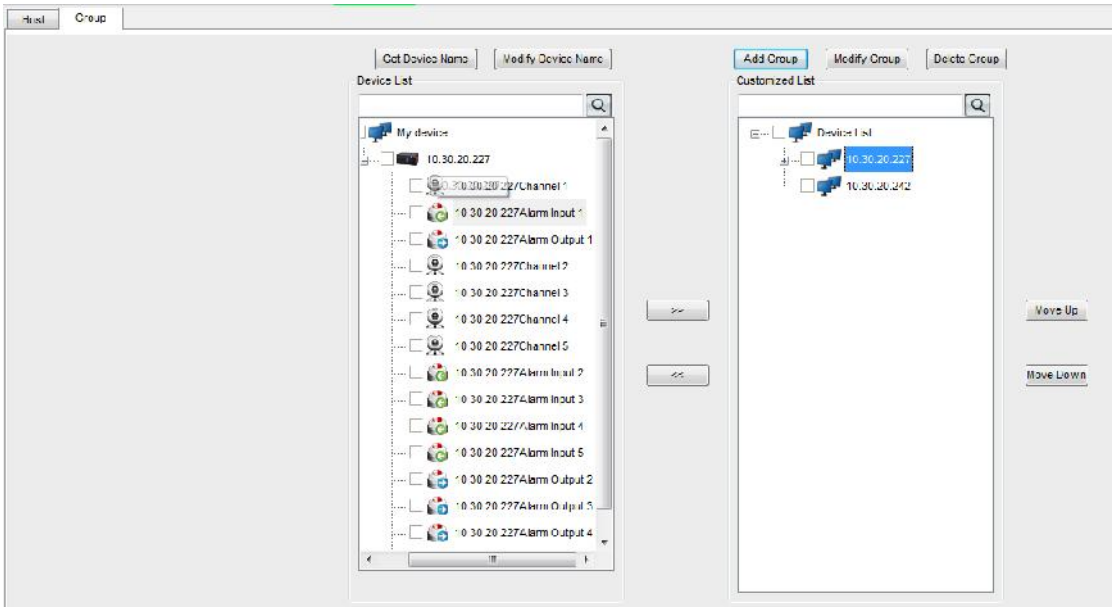


Figure 6.1.21

The information in the device list on the left introduces all added encoding devices automatically generated by the system and their channels information. The custom list on the right is the grouping information defined by the user. The user can add the encoding devices and their channels on the left to the custom grouping on the right as per his needs for the convenience of management. For example: if adding all channels of device 10.30.20.242 in the device list to the custom grouping 10.30.20.242 in the custom list, the operation procedures are as follows:

1. Select all channels of device 10.30.20.242 in the device list;

2. Select the custom grouping to be added in the custom list.

3. Click >> to add.

4. Or, drag all the channels of 10.30.20.242 with the mouse to a certain custom group in the list on the right. As shown in Figure 6.1.22

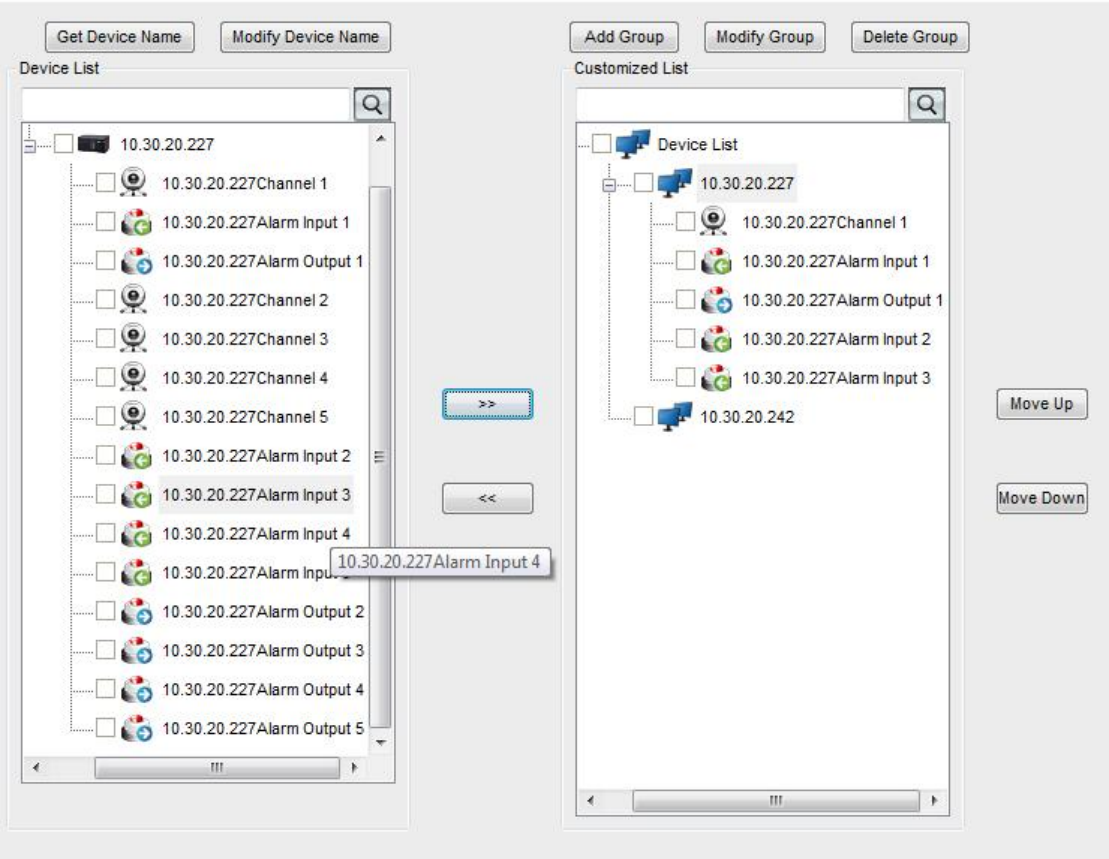


Figure 6.1.22

Similarly, select the appropriate channels in the custom group and click <<, it will delete the channels from the custom group. Or, directly use the mouse to drag the node to be deleted out of the custom group on the right.

(Note: in the encoding device list of Easy 7 client, it displays the information of custom group, therefore, if the user wants to see the channel of a certain encoding device in the Easy7 client, he must add the device into the custom group.

6.1.5 Decoding device management

: Display button of device management, showing the device management interface. The decoding device can be added manually or from the list of searching device. The page of adding the decoder manually is as shown in Figure 6.1.23.

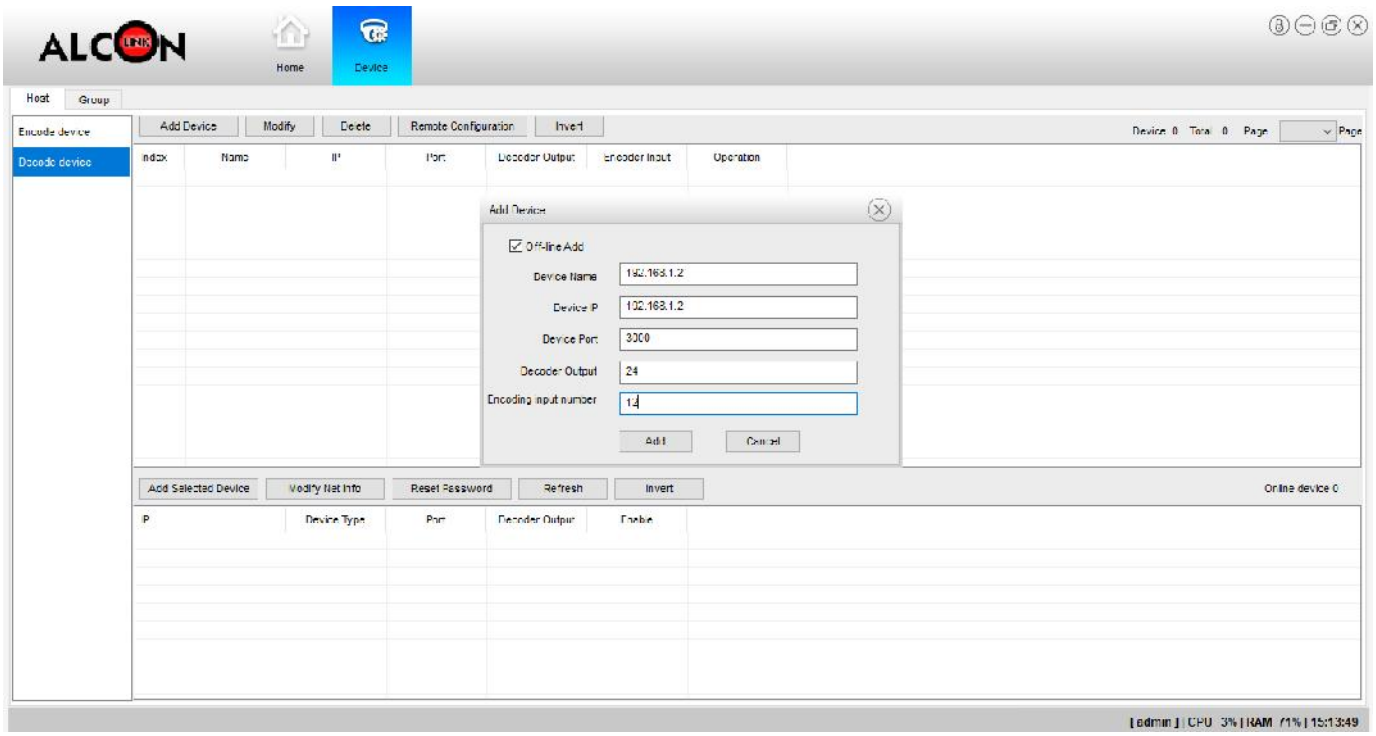


Figure 6.1.23

[Device Name] the user can fill the device name at his will, but the new name cannot repeat with the old name. (The addition of device name is limited to illegal character, and the following characters are prohibited~!#$%^()=[]{},":;'<>?*`+/\&)

[Device IP], IP of "add decoder".

[Port], port number of decoder.

[Number of Decoder Output], decoder output number.

Add automatically

Search for the decoder in the LAN automatically. As shown in Figure 6.1.24

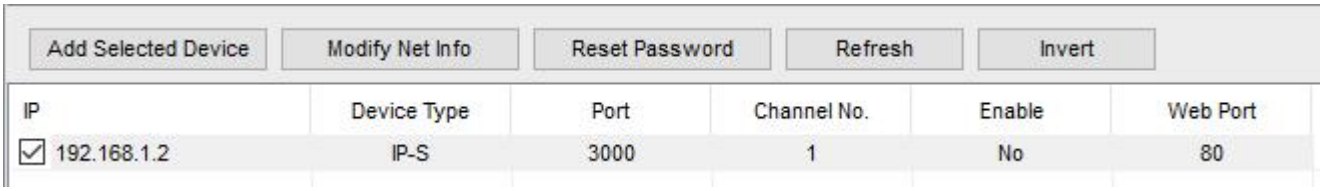


Figure 6.1.24

[Modify] modify the information of added decoder.

[Delete] delete the added decoder.

[Remote Configuration] access to the built-in IE of decoder. After selecting an encoding device, click [Remote Configuration] to go to the built-in IE interface of the device. As shown in Figure 6.1.25

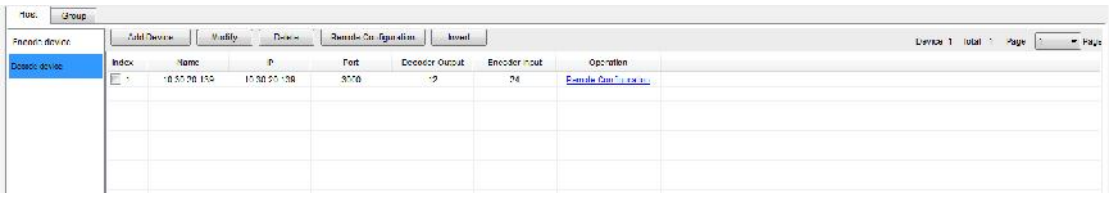
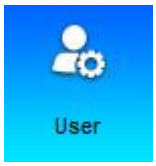


Figure 6.1.25

6.2 User management



: Display button of user management, showing the user management interface.

Click [User Management] to enter the user management interface, it displays the basic information of all already added users in the current system (admin user can only modify the password instead of deleting). As shown in Figure 6.2.1

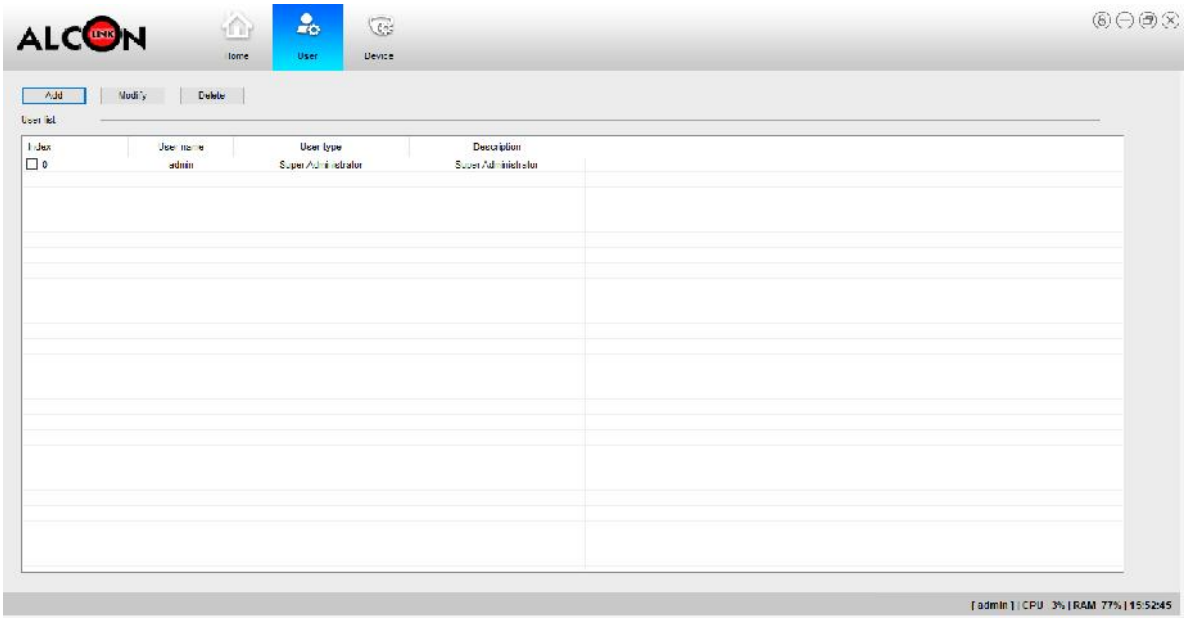


Figure 6.2.1

6.2.1 Addition of user

Click [Add] to enter the "add user" interface, as shown in Figure 6.2.2.

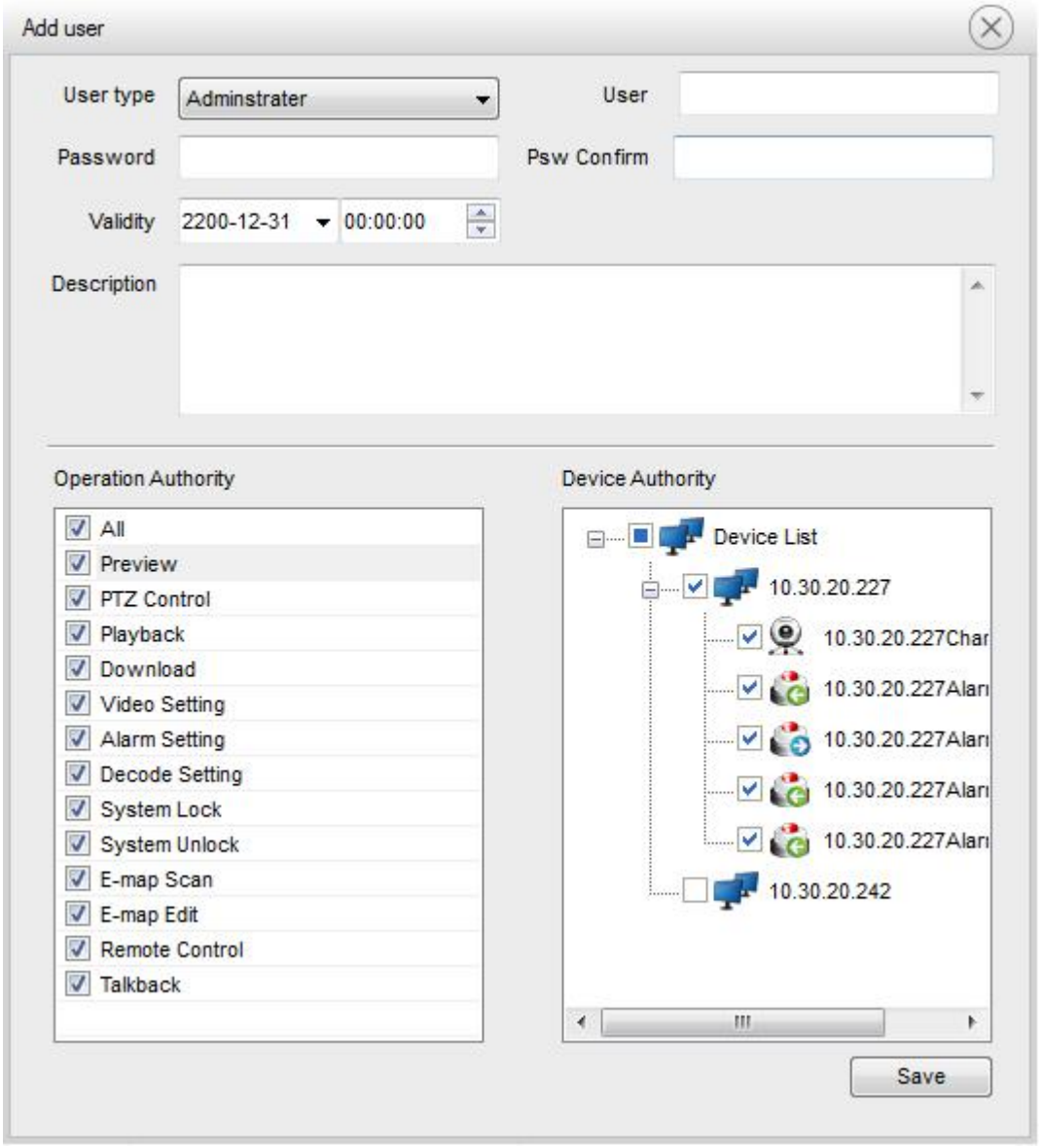


Figure 6.2.2

[User Type], to set the administrator or operator for the current system.

[Username], the user can fill in any name. (The addition of username is limited to illegal character, and the following characters are prohibited ~!#$%^()=[]{},':;'<>?*`+/\&)

[User Password], password matching with the set user.

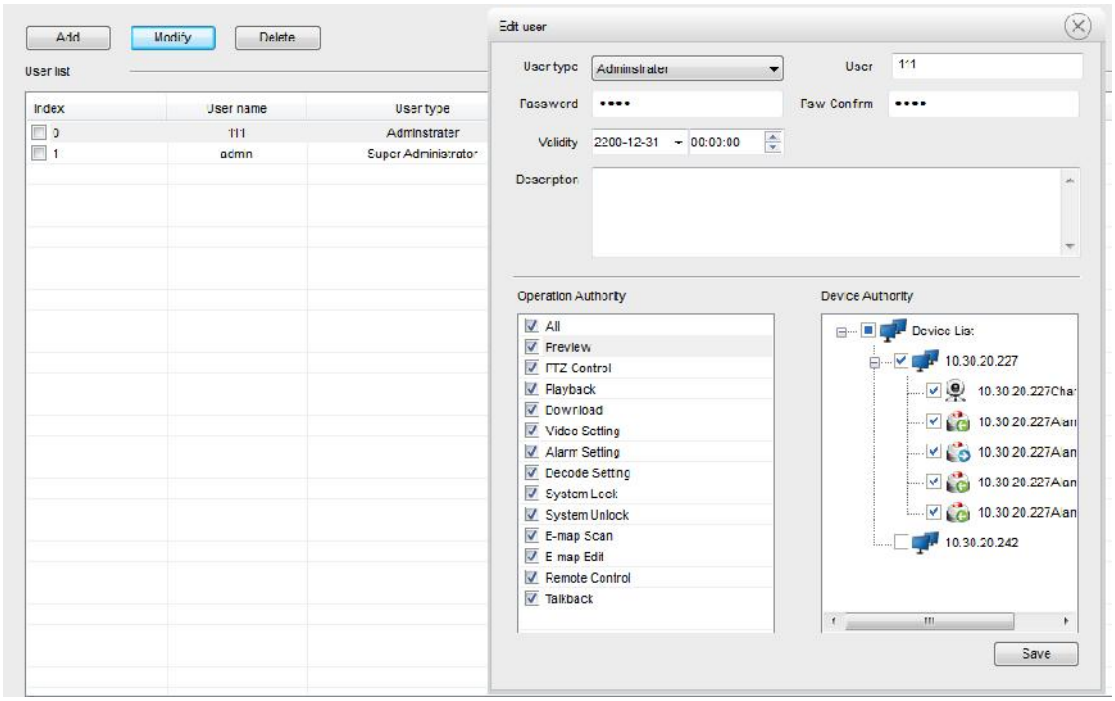
[Confirm Password], it is required to enter the same content as "user password".

[User Description], complementally describe the user's information.

Note: it is feasible to set the user authority for single or multiple devices for the user.

6.2.2 Modification of user

Select a user, double click or click [Modify] to enter the "modify user interface" as shown in Figure 6.2.3.



The administrator can modify the user name, password and the authority of the device; the specific setting is basically the same as "add user".

6.2.3 Delete the user

Select one or multiple users, click [Delete] to delete the selected user(s).

6.3 Storage setup

The user can set appropriate video strategy according to the actual situation for the convenience of use.

6.3.1 Video strategy

: Display button of storage administration, showing the storage administration interface.

Click [Video Strategy] to enter the video strategy setting interface as shown in Figure 6.3.1.

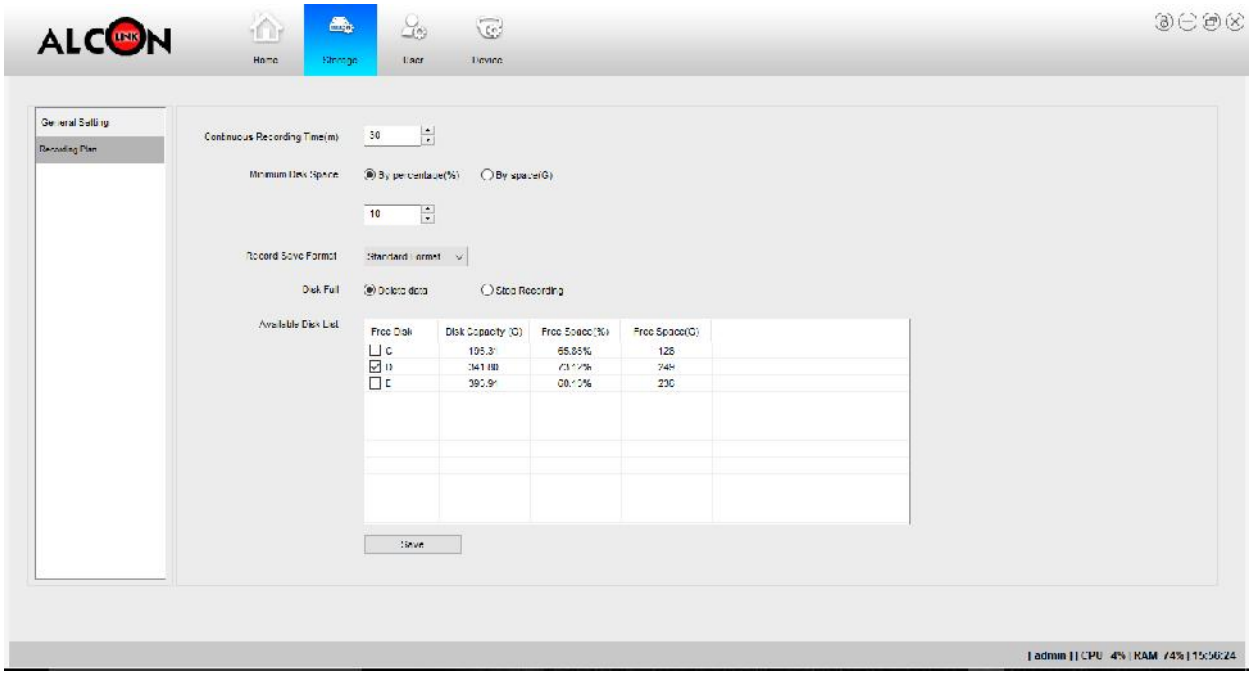


Figure 6.3.1

The user can select the disk for local video storage in the available local disk list below, can view the remaining storage space according to the percentage or actual space. At [Continuous Recording Time], set the time of continuous recording (video package) (time range is 5 to 120 min); at [Minimum Disk Space], select according to the percentage (%) or space (G), and then enter the relevant parameters; at [Save File format], select the format of video file; at [Full Disk], delete the local video at the earliest or stop recording. After completing above-mentioned settings, click [Save the Setting] then the strategy is successfully saved.

6.3.2 Video plan

Click [Video Plan] to enter the video plan editing interface as shown in Figure 6.3.2.

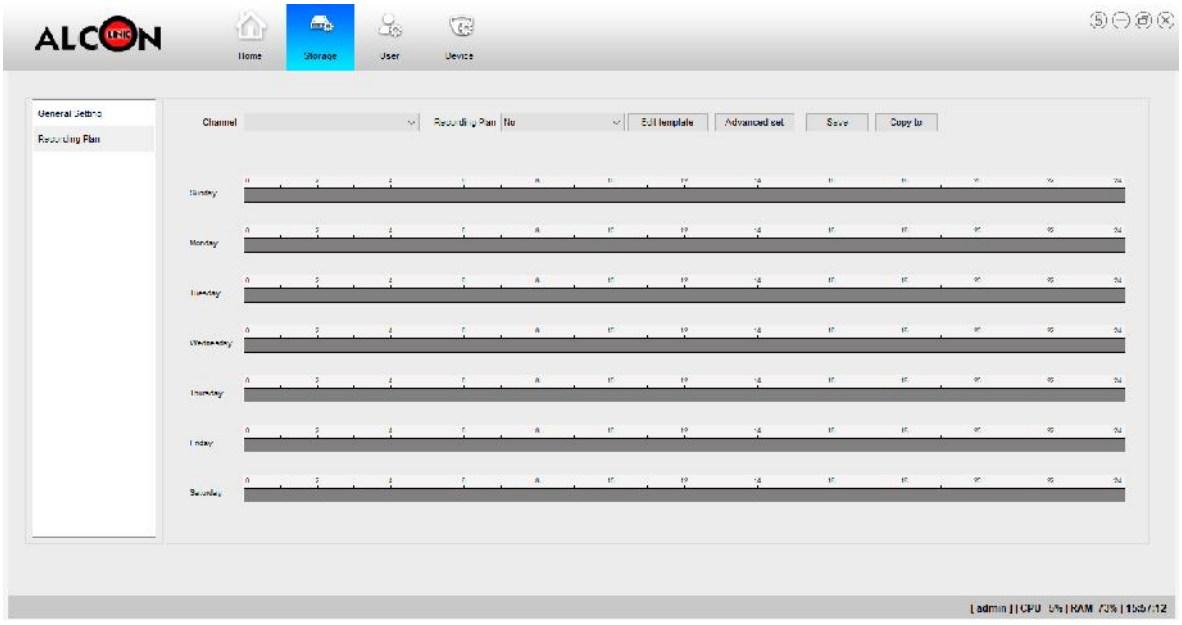


Figure 6.3.2

First, select the local video channel to be set at the "channel name", select a

video template in the "video plan", and click "Edit Template" to enter the editing page of template management, as shown in Figure 6.3.3.

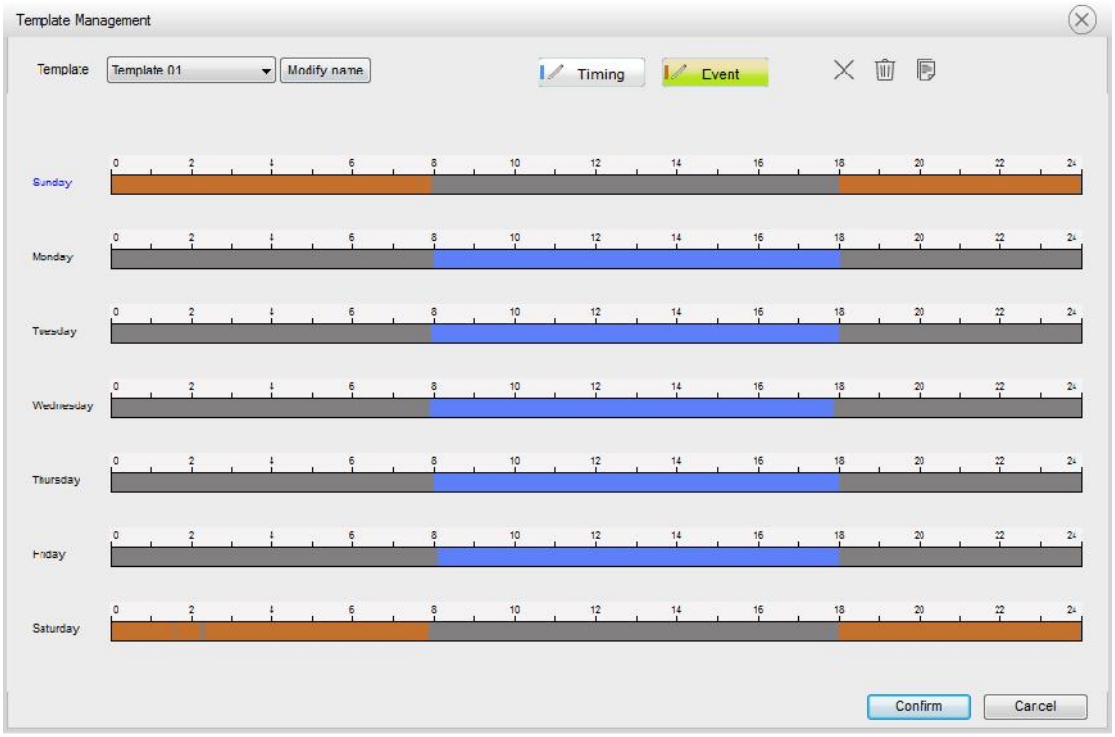


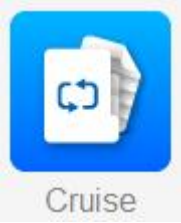
Figure 6.3.3

Here the user can modify the name of template, set the time ranges of planned video and event video, click "OK" to successfully save the template.

Click "Save" on the "video plan" interface, and then the channel video plan is successfully saved, and this template also could be copied to other channels.

6.4 Round tour plan

6.4.1 Video preview



: Round tour plan display button, being able to display the round tour plan interface.

Click [Round Tour Plan] to enter the round tour plan interface, as shown in Figure 6.4.1.

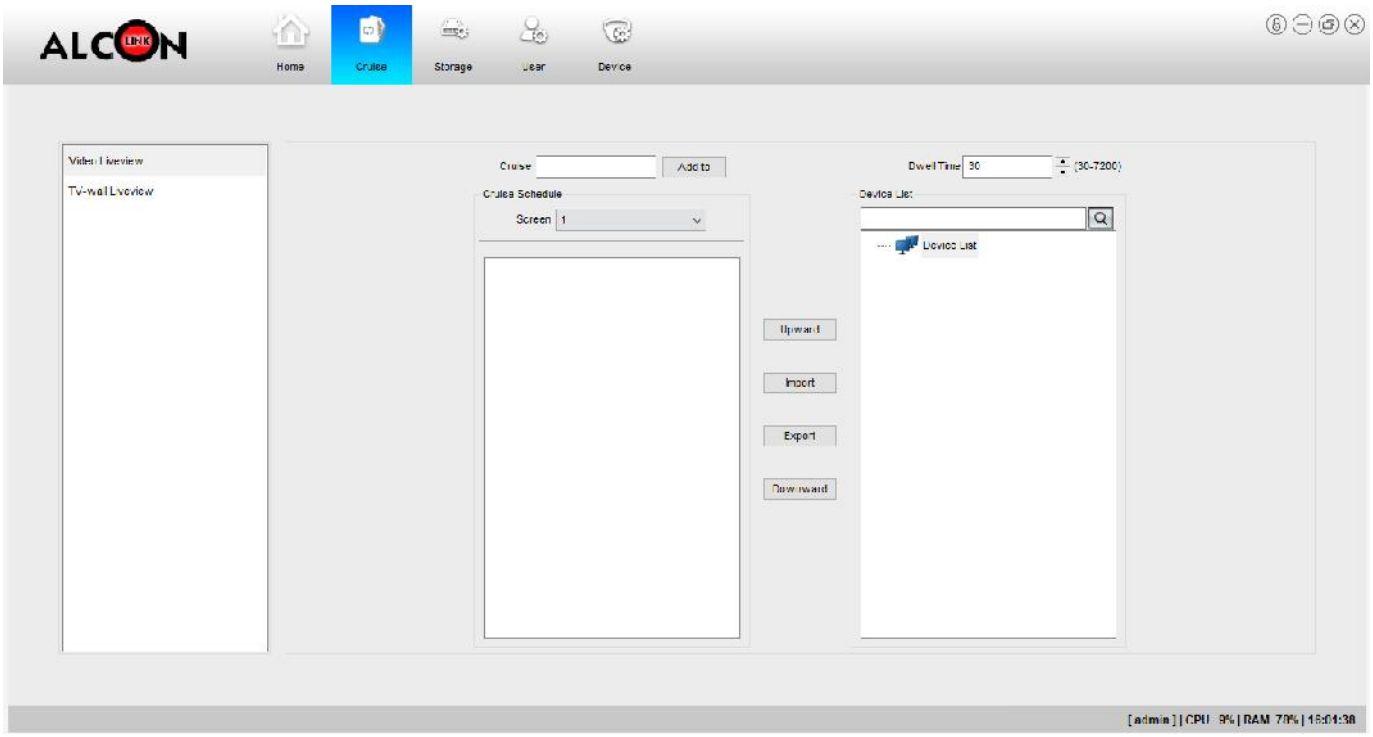


Figure 6.4.1

The main function of the round tour plan is to enable users to set their own switching mode, and to make Easy 7 switch the video channel automatically at [Video Preview] interface for the convenience of view.

[Round Tour Plan], the user can add any name at his will (the addition of username is limited to illegal character, and the following characters are prohibited: ~!#$%^()=[]{},'':;'<>?*`+/\&) . After clicking [Add], a new strategy will be added to the round tour plan below.

[Port] corresponding to the video view port number in Easy 7 [Video Preview]. For example, Port 1 means the video view port 1 in Easy7 [Video Preview] page, and so on and so forth.

After completing the addition of new name for round tour plan, click the name of the round tour plan with right-hand button to display the context menu. As shown in Figure 6.4.2

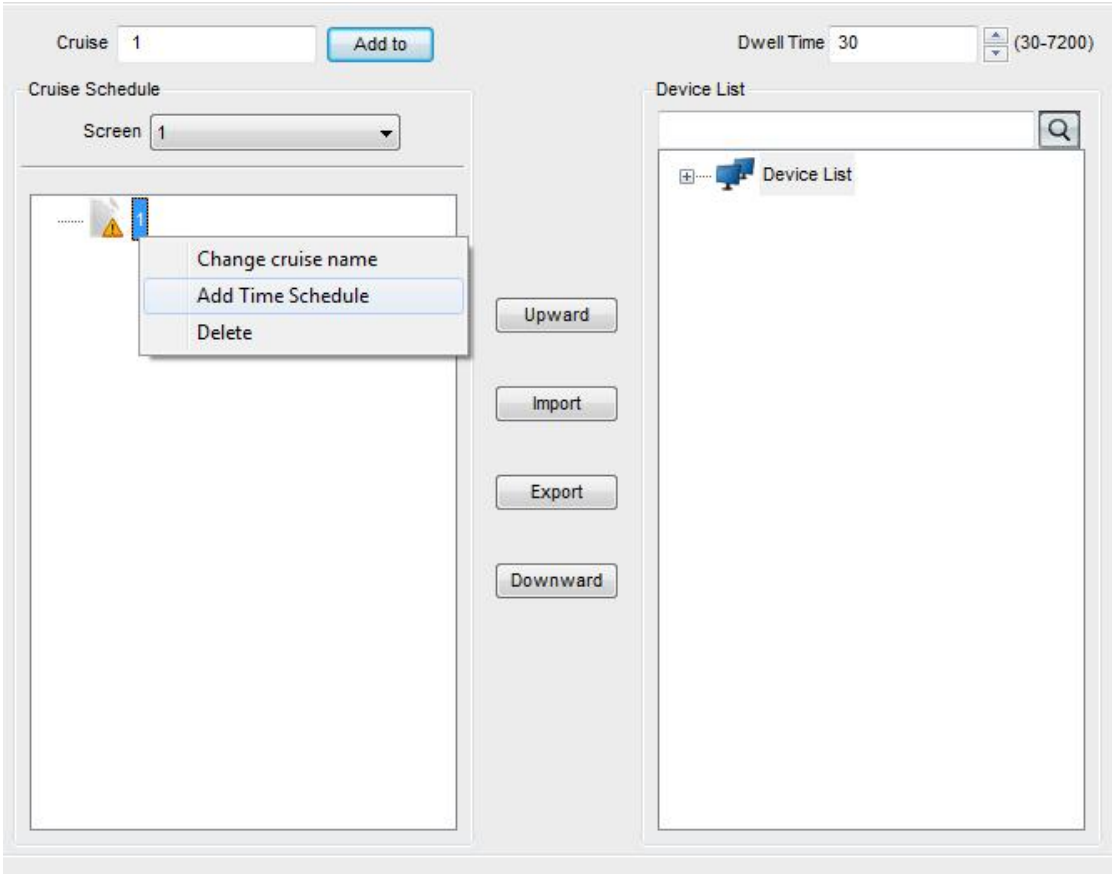


Figure 6.4.2

[Add Time Period], click [Add Time Period] to enter "add time period" interface, as shown in Figure 6.4.3.

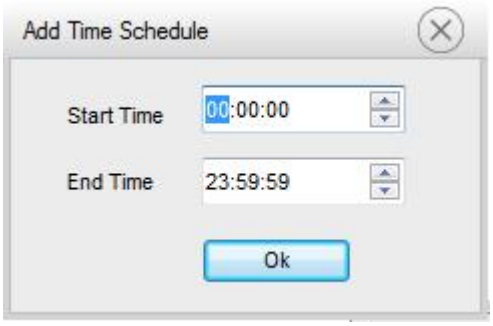


图 6.4.3

Figure 6.4.3

At this point, the user can set the time according to the actual needs. Click [OK] to complete the adding. As shown in Figure 6.4.4

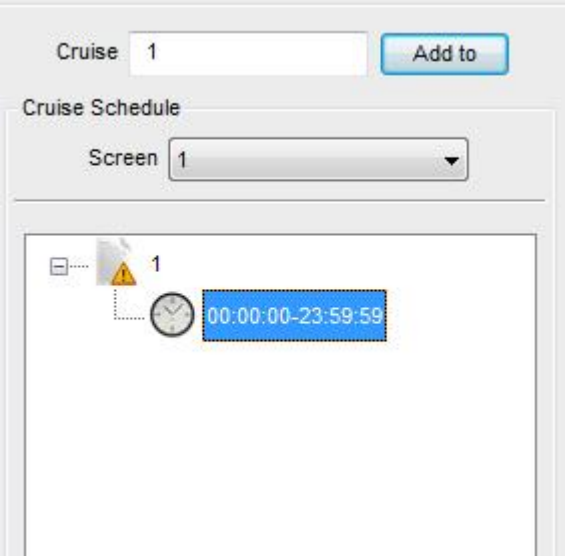


Figure 6.4.4

After finishing the adding of time period, input the demanded video dwell time interval (30-7,200 s). As shown in Figure 6.4.5

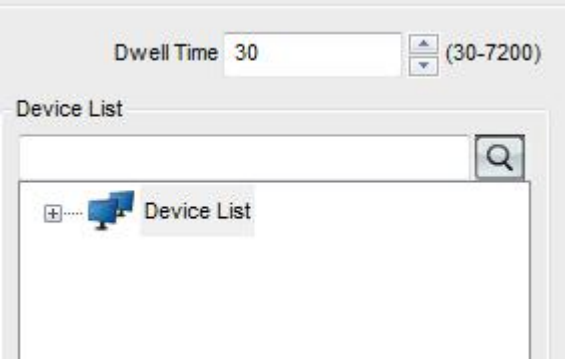


Figure 6.4.5

The user can insert a single or multiple encoding device channels in this time period; the method is very simple, that is, select the channel to be added in the device list on the right, as well as the time period in the round tour plan list on the left, and then click

to complete.

After finishing the adding of time period and channels, right-hand clicking the time period and channel under the round tour plan can respectively select the time period and channel switching time that modifies the round tour plan in the pop-up menu.

[Modify Round Tour Plan Name], modify the round tour plan name through this menu. The pop-ups is as shown in Figure 6.4.6.

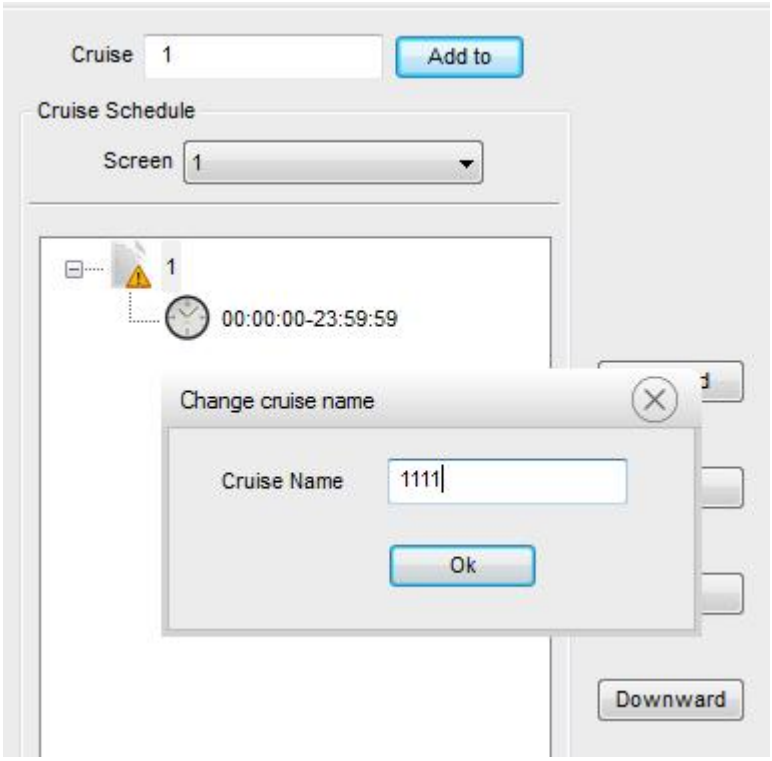


Figure 6.4.6

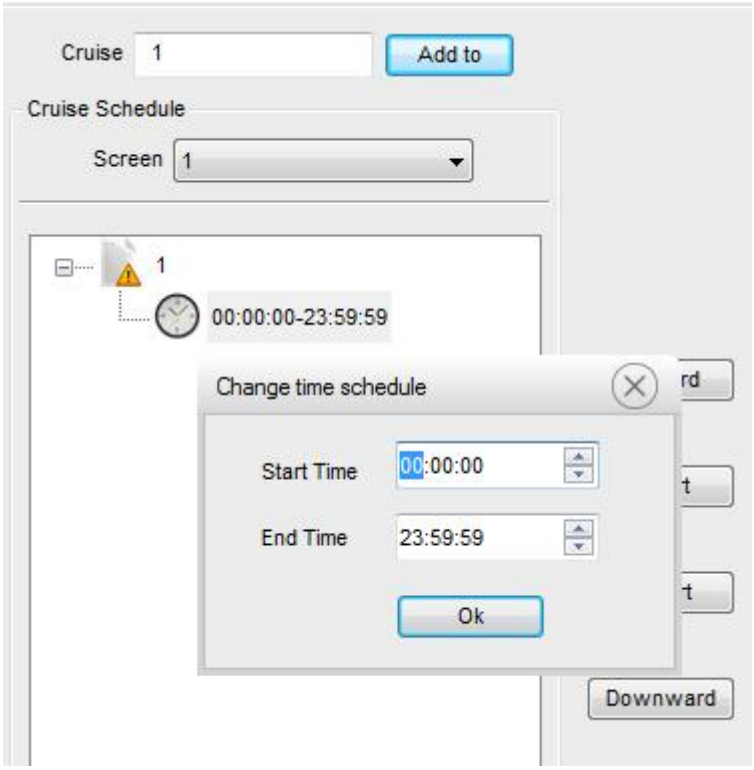


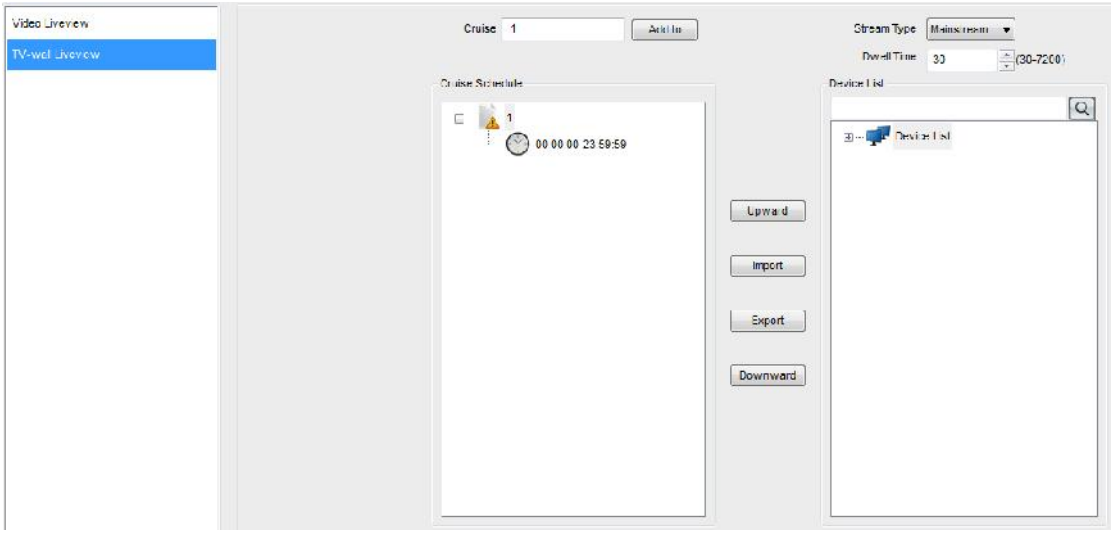
Figure 6.4.7

[Delete], it can delete this round tour plan.

(Note: in a round tour plan, it also can add several switching time periods at the same time, each time period also can add several encoding device channels at the same time.)

6.4.2 TV wall preview

In the round tour plan, click the "TV Wall Preview" interface. The round tour plan setting of TV wall preview is similar to the video preview, but there are two differences, mainly reflecting that it is not required to bind the window, so the window option is removed, but the master and slave code stream options are added, as shown in Figure 6.4.7.



Please refer to the settings in the video preview round tour plan.

6.5 Event management

: Display button of event management, showing the event management interface.

Click [Event Management] to enter the event linkage setting interface, as shown in Figure 6.5.1.

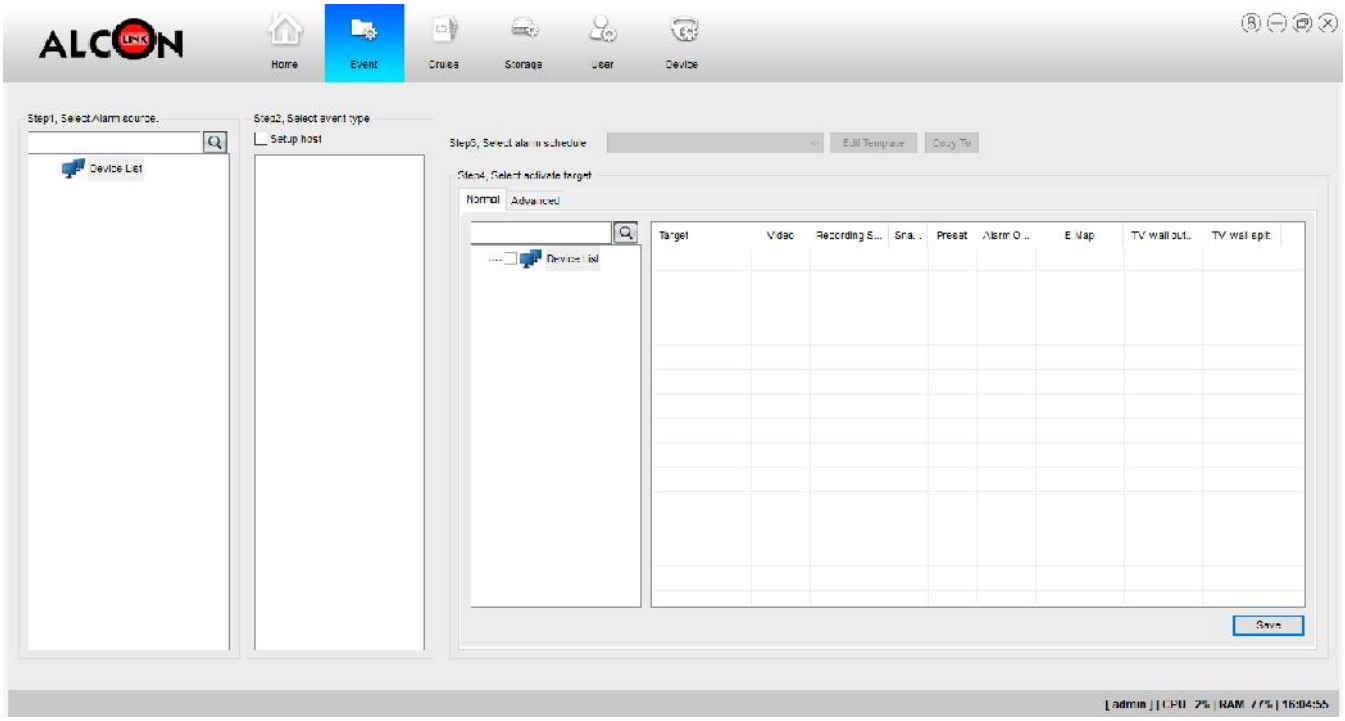


Figure 6.5.1

Now, according to the actual needs, the user can set the event linage scheme to any channel of any encoding device in the device list. After selecting the channel that needs event linkage, select the event as shown in Figure 6.5.2.

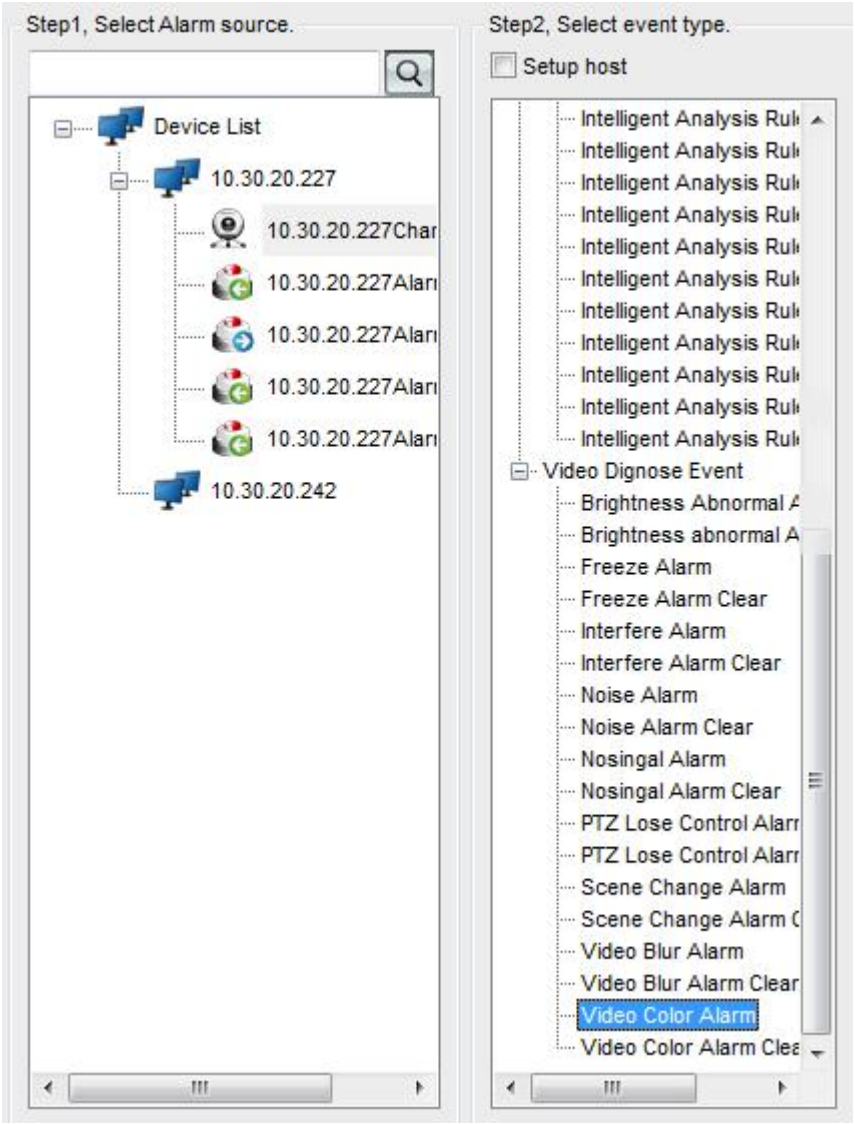


Figure 6.5.2

Add deployment time template:

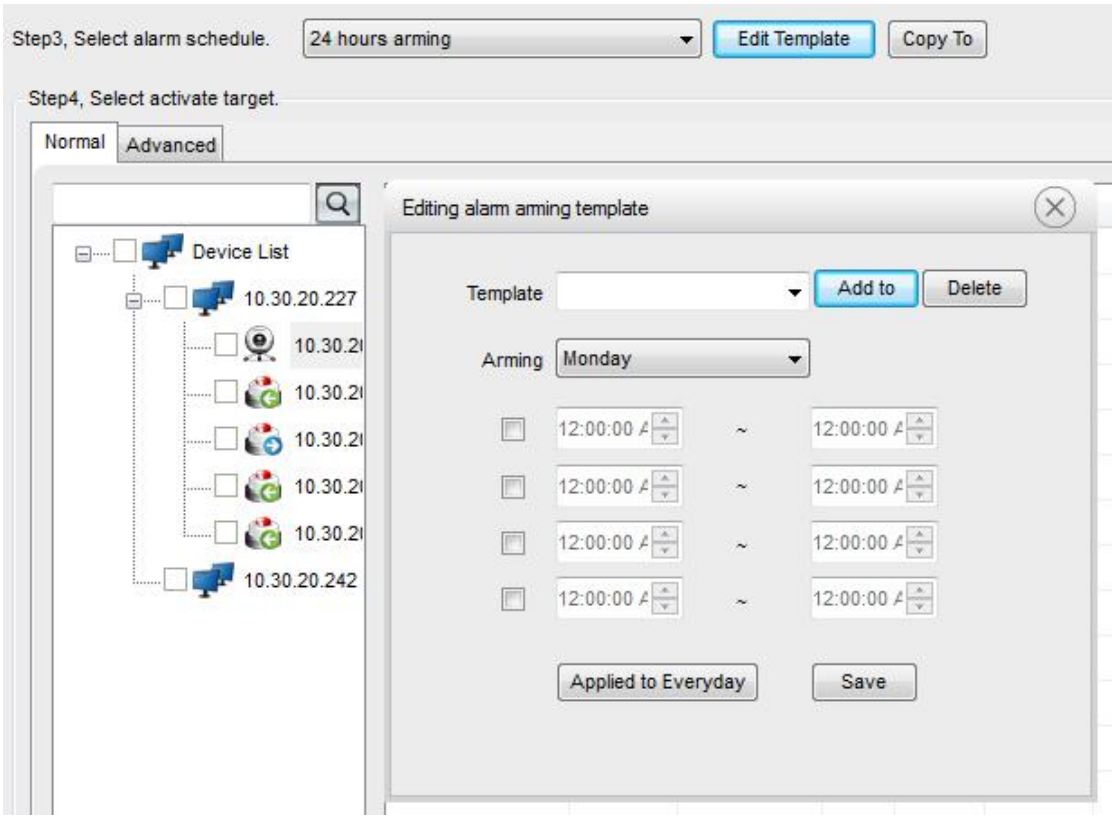


Figure 6.5.3

Set the effective time of this linkage.

6.5.1 Add the alarm scheme

The user can conduct relevant linkage settings of the selected event type and the encoding devices to be linked. Click to select, details as shown in Figure 6.5.4.

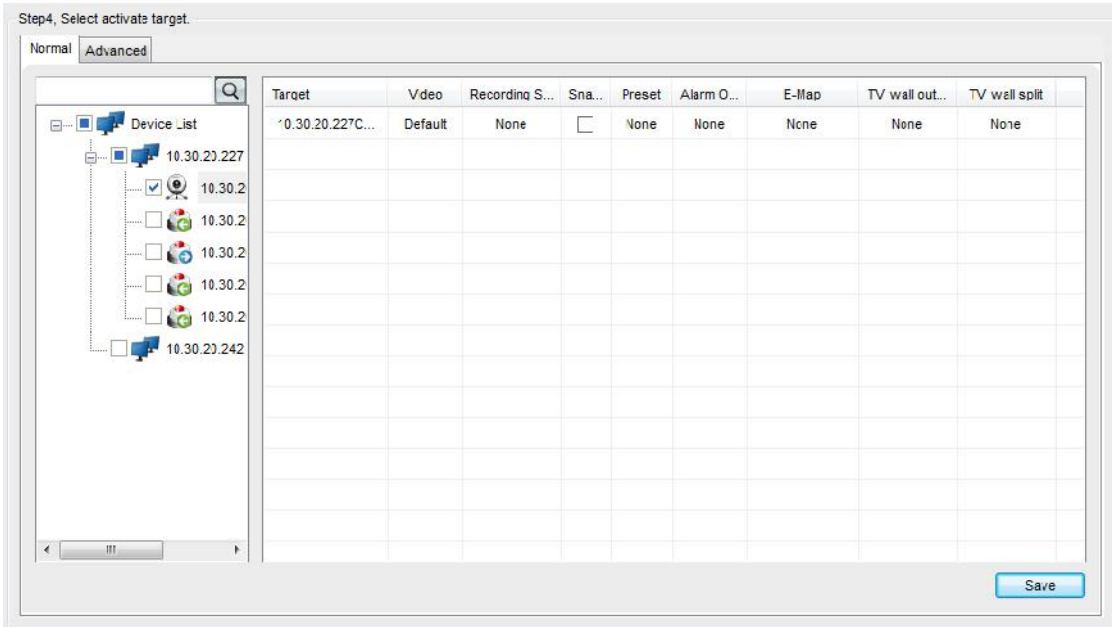


Figure 6.5.4

[Video] when selecting the linkage video, set the selective type and it will provide

the options of [Single Picture] or [Full Screen].

[Record] the user can select the motion and recording duration of the video encoding device to be linked. The user can set the recording duration (5 to 7,200s) according to actual situations.

[Snapshot] when the user selects the encoding device to be linked and its channel to snapshot, click "yes" or "no". Note: After setting the linkage snapshot, when it carries out the linkage, the snapshot only can be successfully captured when the snapshot channel is in the process of video preview.

[Presetting Bit] in presetting bit linkage, the user can click the presetting bit option of the target device to select the corresponding presetting bit number, and fill in relevant information according to the presetting bit settings in Easy7 video preview.

[Alarm Output] the user can select the output point of the encoding device to be linked. Optional output on or output off.

[Electronic Map] when selecting "Electronic Map Linkage", it could select the type of electronic map, and motions of flashing, centering, video, etc. to linking the electronic map motion, and user can select linkage modes for electronic map. (To link electronic map, corresponding channels will be added to the electronic map. When linkage information of device has been sent, electronic map will conduct corresponding operations).

[TV Wall] User can link the upper part of TV wall to select the corresponding TV wall window.

Relevant configuration:

Open [Storage Administration], select name of channel and video plan and then click to save for producing video. As shown in Figure 6.5.5

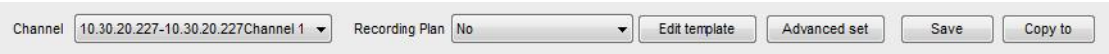


Figure 6.5.5

(Note: when checking [Whether Host Is Set], seven kinds of events to the selected device in the alarm types will be provided for user for selection, including offline, illegal log, on line, hard disk failure alarm, hard disk failure alarm elimination, hard disk full alarm and hard disk full alarm elimination. The setting of other linkage model is the same as setting method of unchecking [Whether Host Is Set]. When event linkage strategy is set, user can flexibly set linkage scheme according to actual situation.)

In advanced options, linkage related sound can be set and the interface is as shown in Figure 6.5.6

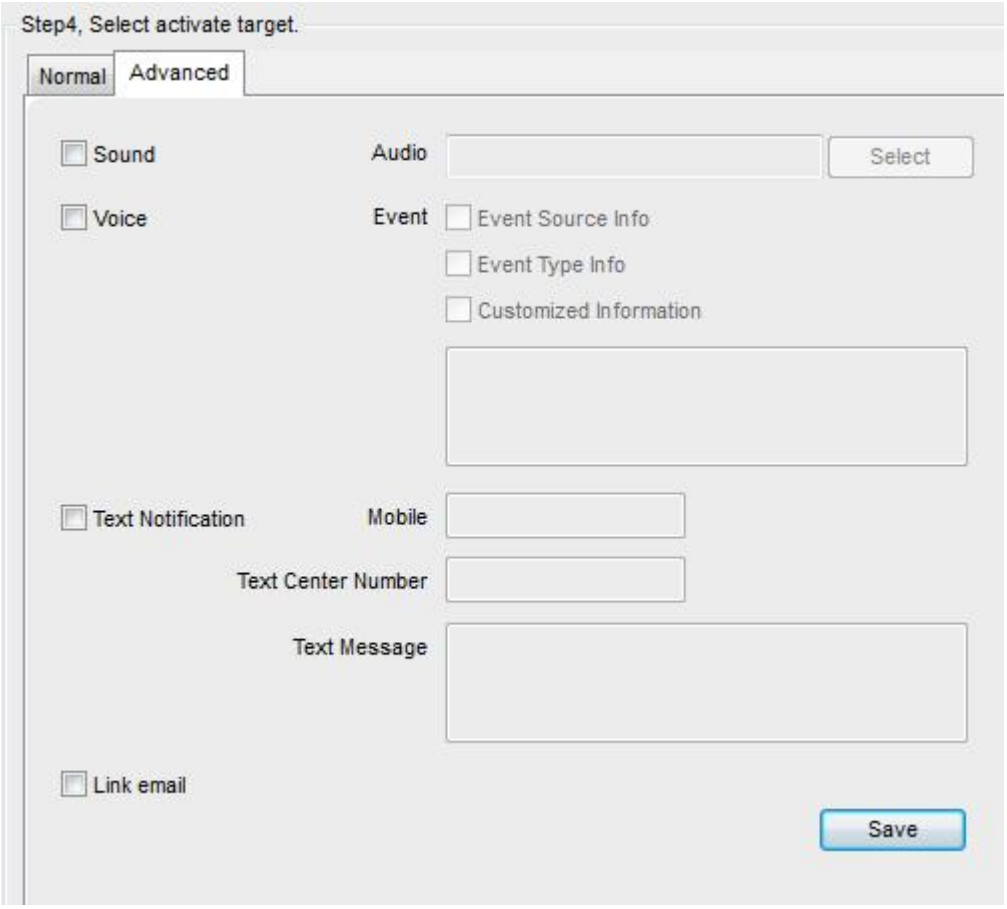


Figure 6.5.6

[Sound] user can select wav audio files to add for content to be read via voice.

[TTS Voice] Traffic voice linkage setting, event information can be sued to set related content.

[Short Note] When selecting short note, short message will be linked. The short message center number will be filled in Short Message Center Number and user can adjust it according to actual situations. Telephone Number means the telephone number that user wants to receive alarm information. Short message information means alarm information content that user filled to send to target telephone.

[E-mail Linkage] when selecting e-mail linkage, the e-mail will be linked.

6.5.2 Modification of linkage scheme

When selecting any event linkage scheme from the list of linkage scheme, user can modify it based on actual situations and the modification method is consistent with the method adding event linkage scheme. After modified, click [Save] and finish the modification. Details is as shown in Figure 6.5.7. After selecting the corresponding event type, the list of added event linkage target and target action will display. Checking the small box in the front and clicking save button after adjusting related information will finish this operation.

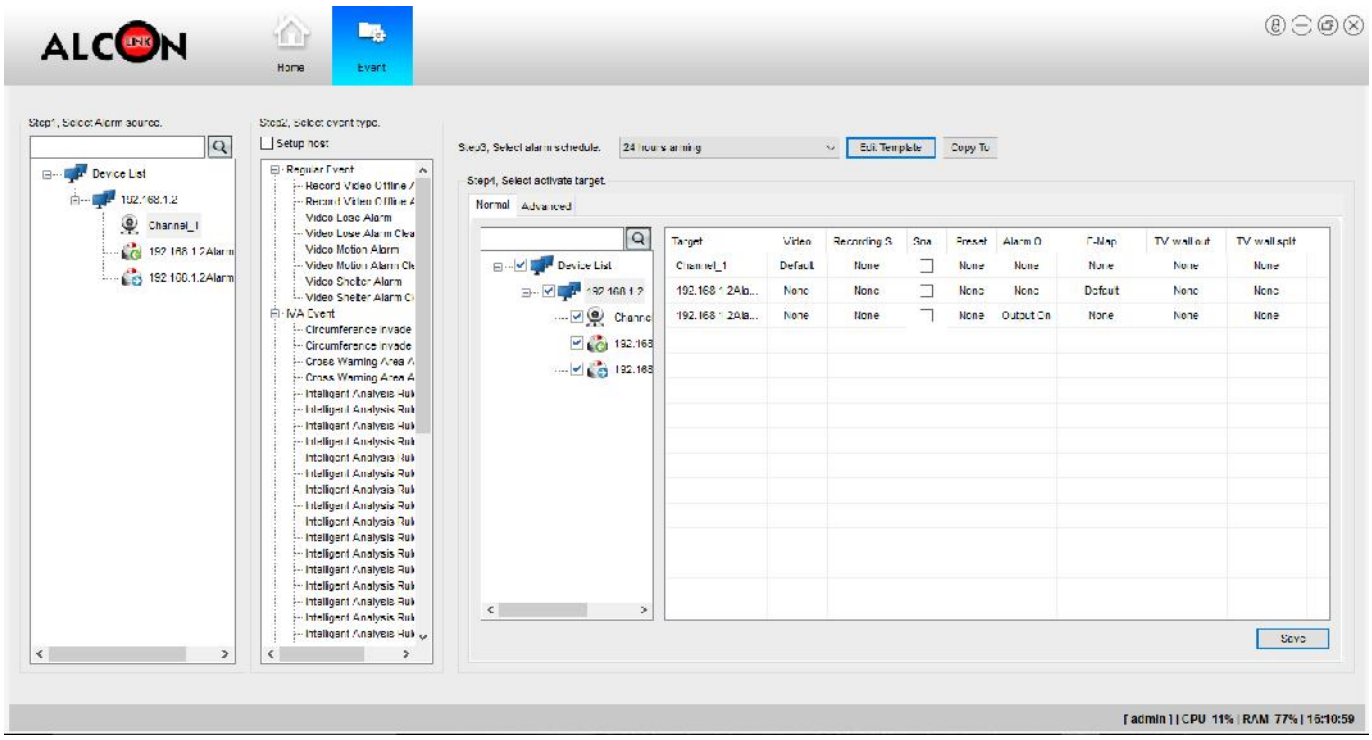
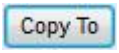


Figure 6.5.7

6.5.3 Deletion of linkage scheme

Select the linkage scheme of device to be deleted from [Select Alarm Source], and select any event to be deleted from list of [Select Event Type] to see checked status of linkage target device, and then click the small box to uncheck and successfully delete it after [Save].

6.5.4 Event linkage copy

Select the channel and event to be copied and click 

to copy them to pop-up dialog box. As shown in Figure 6.5.8

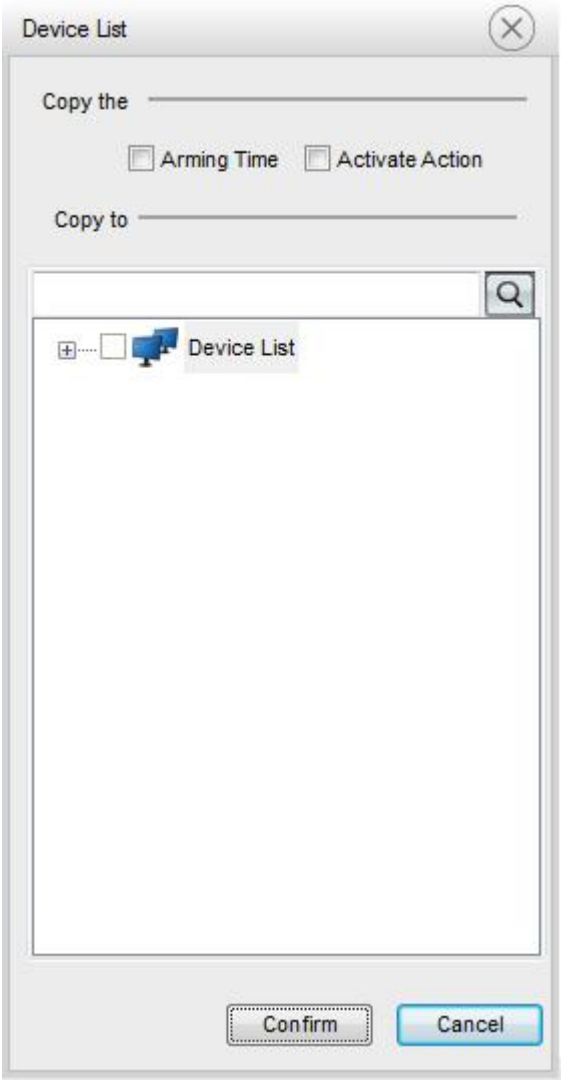


Figure 6.5.8

After clicking OK, see the event information under channel to confirm whether successfully copy.

6.6 System setup

6.6.1 Common setup

: System setting display button, showing system setting interface.

Click [Common Setup] to enter common setup interface, as shown in Figure 6.6.1

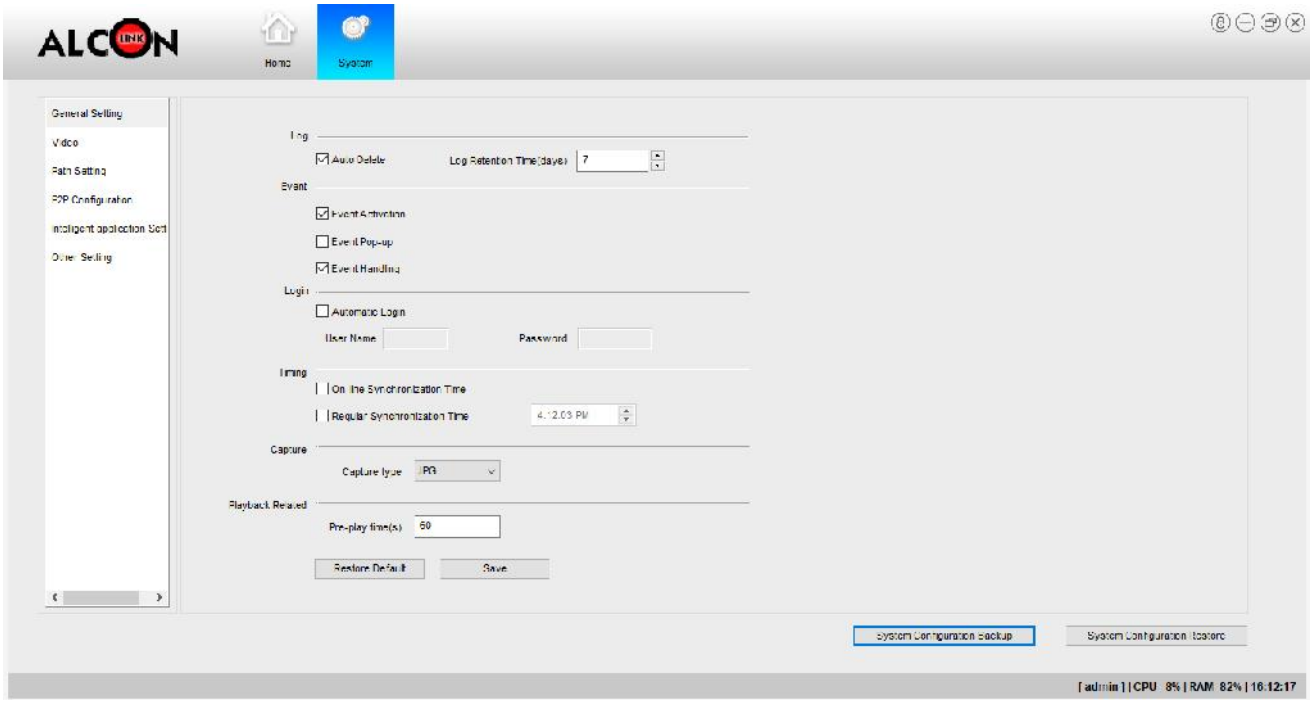


Figure 6.6.1

[Auto Delete] User can set retention days for log and log information will be deleted after meeting specified days.

[Event Related] User can set whether to handle an event.

[Login related] After checking, user inputs [Username] and [Password] and ASSS will achieve self-starting when the operating system starts.

[Timing related] User can select time synchronization of device with computer for online every time or custom every day.

[Save] it after setting.

[Snapshot Related] User can select JPG or BMP for snapshot picture.

[Playback Related], setting of pre-broadcast duration of instant playback.

[System Configuration Backup], export system device and related configuration information.

[Restore System Setting], restore certain status of system configuration.

6.6.2 Video related

Click [Video Related] to enter "video related" interface, as shown in Figure 6.6.2.

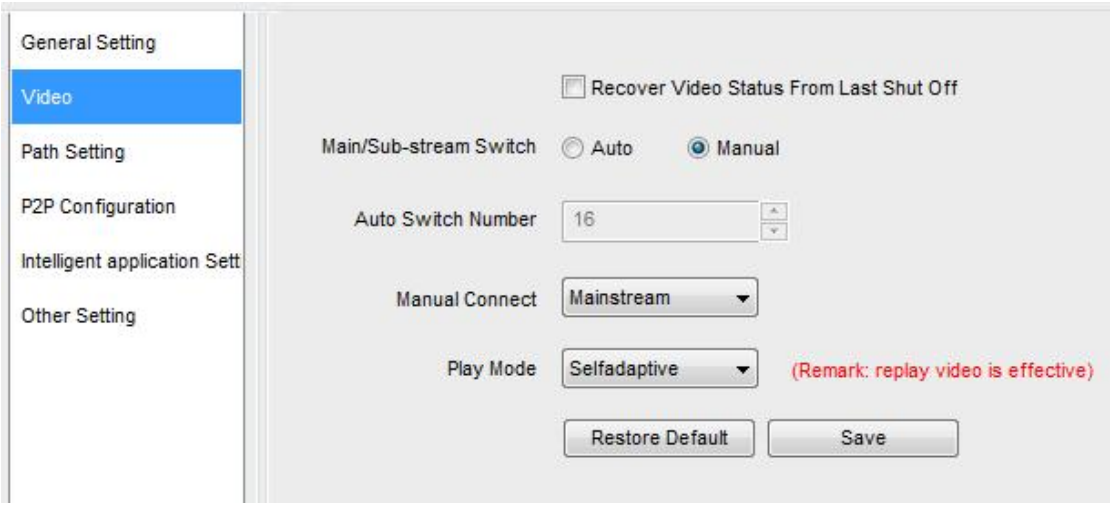


Figure 6.6.2

[Automatically Restore Video Status at Last Time When Quitting System] After checking, when starting software next time, the video that was previewed when closed software last time will be automatically linked.

[Automatic Shift between Master and Minor Code Streams] Set split screen number. When the number of window displayed on client video interface is larger than that of split screen, the connected channel video will link slave stream (minor stream) at default. If the split screen number is 4, but video view window of client is 3*3, being larger than that of split screen, then the video connected in 3*3 window will link slave stream (minor stream) at default. The split screen number can be valid by checking.

[Manual Default Connection], set manual connection to select default code stream type.

[Broadcast Property] manually select broadcast property. Self-adaptation and minimum delay can be selected, and the self-adaptation broadcast is default.

[Restore Default], restore configuration last saved by user.

6.6.3 Route setup

Click [Route Setup] to enter route setup interface, as shown in Figure 6.6.3. (Please confirm the folder in the save path is available).

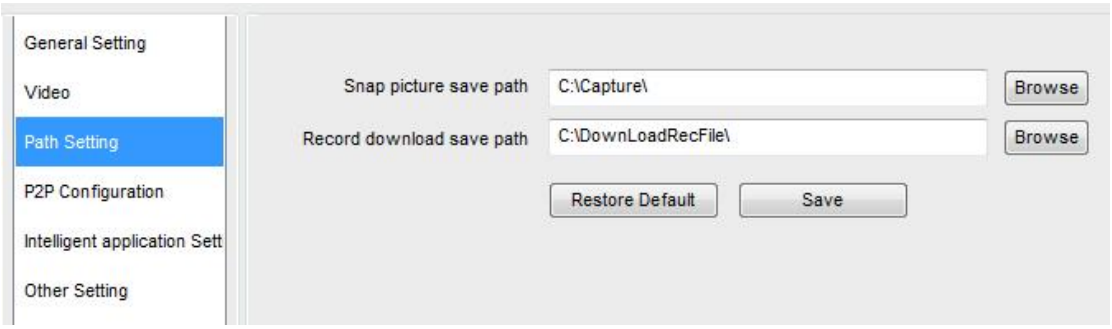


Figure 6.6.3

User can set download path of snapshot picture and video.

6.6.4 P2P configuration

Click [P2P Configuration] to enter the P2P configuration interface, as shown in Figure 6.6.4.

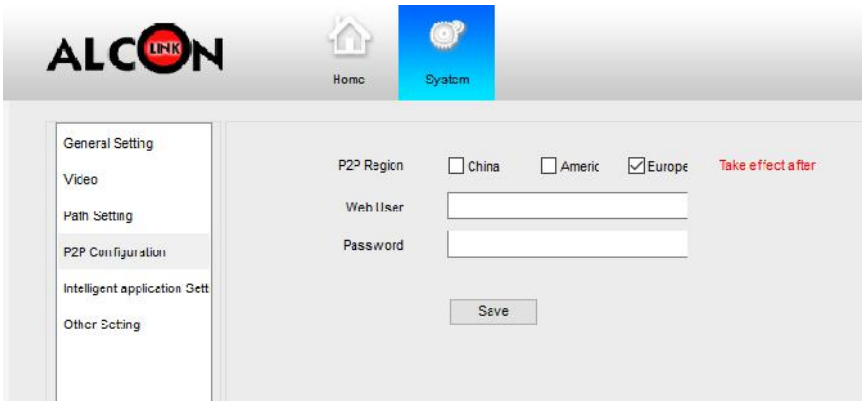


Figure 6.6.4

[P2P Region], select P2P region from three options of China, America and Europe.

[Platform User] username registered at P2P platform.

[Password] password of user registered in P2P platform.

[User Registration] enter account registration interface in P2P platform to apply for one user account.

Note: To enter P2P platform, firstly confirm that PC computer can surf Internet and then connect P2P platform device.

6.6.5 Smart application settings

Click [Smart Application Setting] to enter the smart application setting interface, as shown in Figure 6.6.5.

Figure 6.6.5

After selecting smart application start-up, the function of [Face Retrieval], [Behavioral Analysis], [Passenger Flow], [Cross-line Counting], and [Face Snapshot] can be supported and retention time of snapshot picture can be independently defined according to demand.

6.6.6 Other settings

Click [Other Settings] to enter Other Settings interface, as shown in Figure 6.6.6.

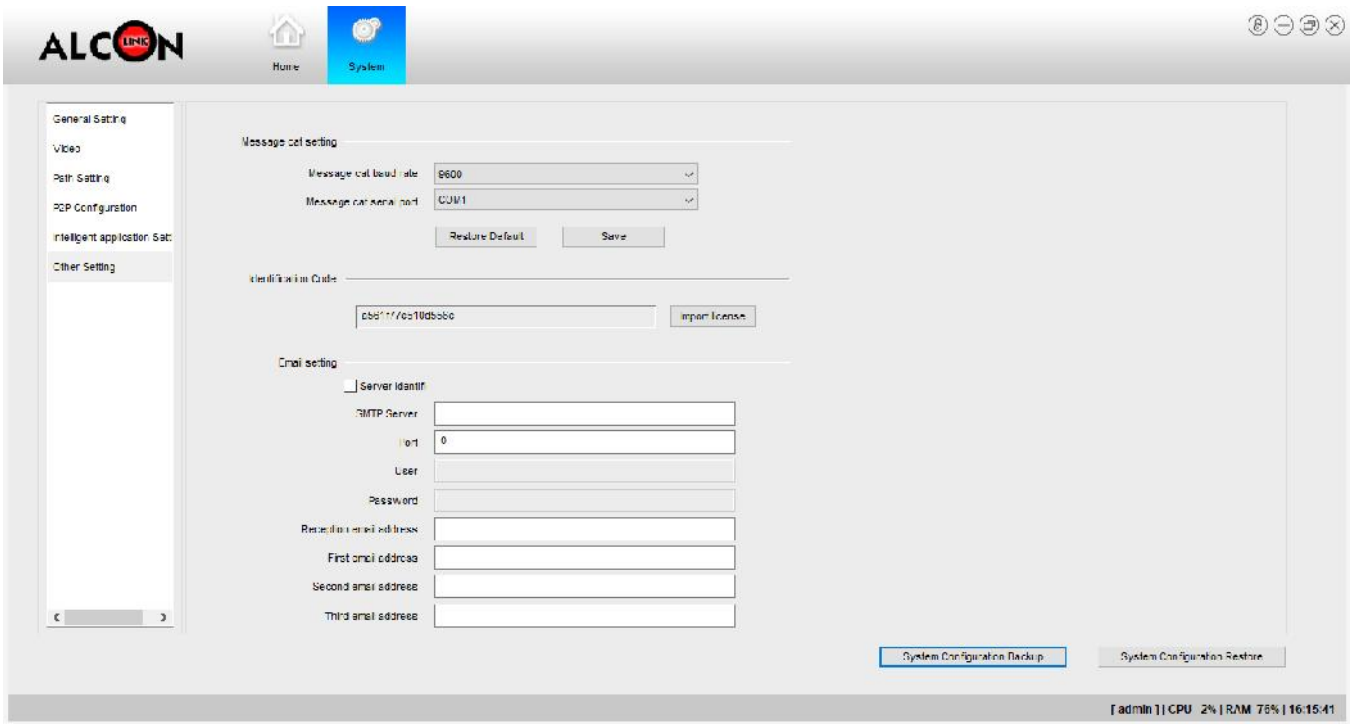


Figure 6.6.6

GSM MODEM setting

[GSM MODEM Baud Rate] select proper GSM MEDEM Baud rate.

[GSM MODEM Serial Port Number], select GSM MODEM serial port number to achieve short note linkage event.

System Identity Number

Licence file can be generated according to system identity number to expand monitoring point position. It is ok to restart software after exporting successfully.

Email setting

[Server Authentication], if it needs to link Email, the options must be checked. After checking, please fill username and password.

[SMTP Server], add SMTP server.

[Port], add port.

[Username], namely the address of Email sending mailbox.

[Password], as for QQ and Sina email, it is authorization code in [Setting] of mailbox. Start the authorization code and fill in this item; as for other mailbox, it is the login password of this mailbox.

[Sending Address], namely the address of Email sending mailbox.

[First/second/third Receiving Address], customize three same or different receiving addresses.

[Invoke SSL], it must check this option for QQ mailbox.

[Send Test Email], whether test email can be properly sent and arrive.

Example of email setting is shown in Figure 6.6.7.

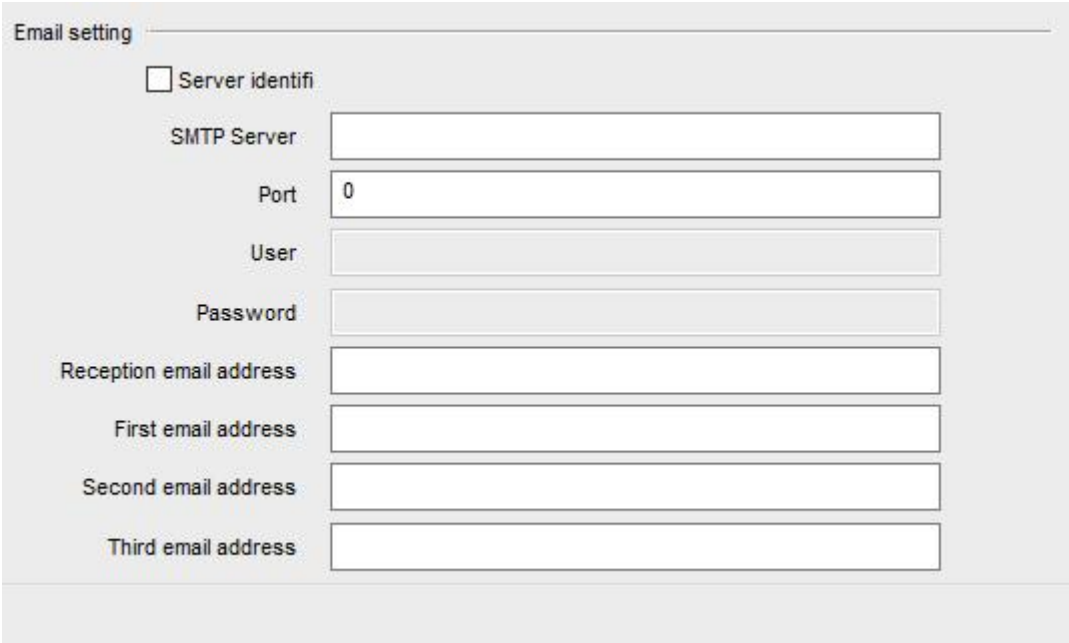


Figure 6.6.7

6.7 Device parameters setting

: Device parameter configuration display button, showing device parameter configuration interface.

Enter device parameter setting interface to view all information of all devices added. As shown in Figure 6.7.1

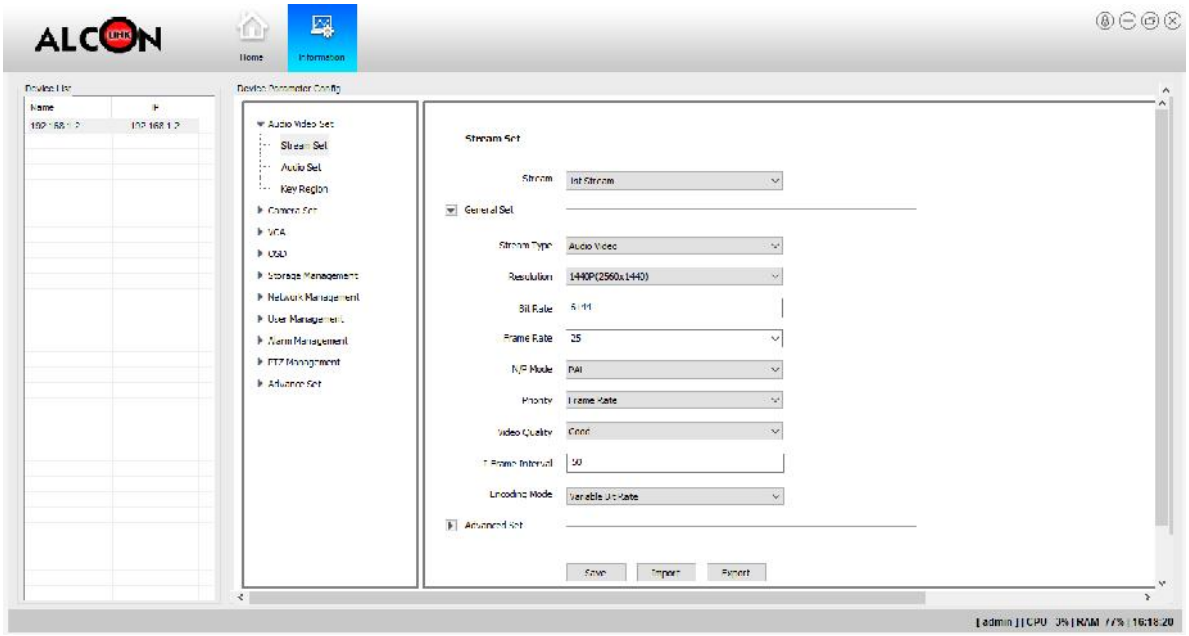


Figure 6.7.1

Select one of devices, double click one device from the device list to enter device OCX plug-in setting interface and set parameters of decoding device through this

interface, as shown in Figure 6.7.2. (The function only supports TD protocol device, single record can be double clicked for other protocol devices to skip device built-in IE interface).

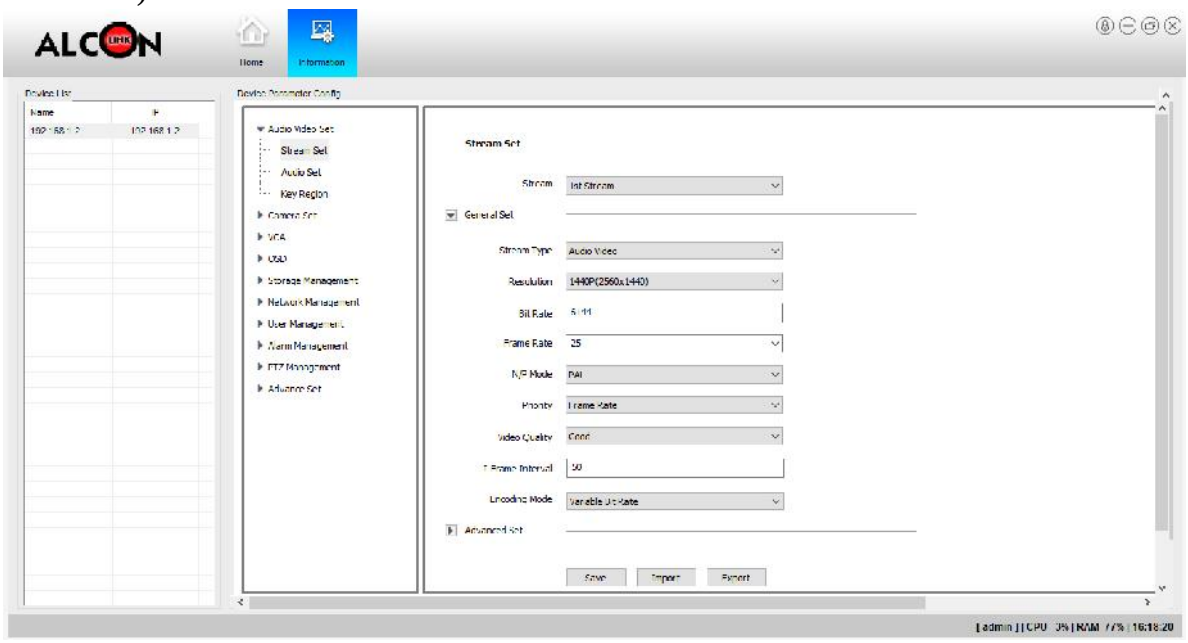


Figure 6.7.2

6.8 Keyboard control

: Keyboard control display button, showing keyboard control interface.

Click [Keyboard Control] to enter into keyboard administration setting interface, as shown in Figure 6.8.1.

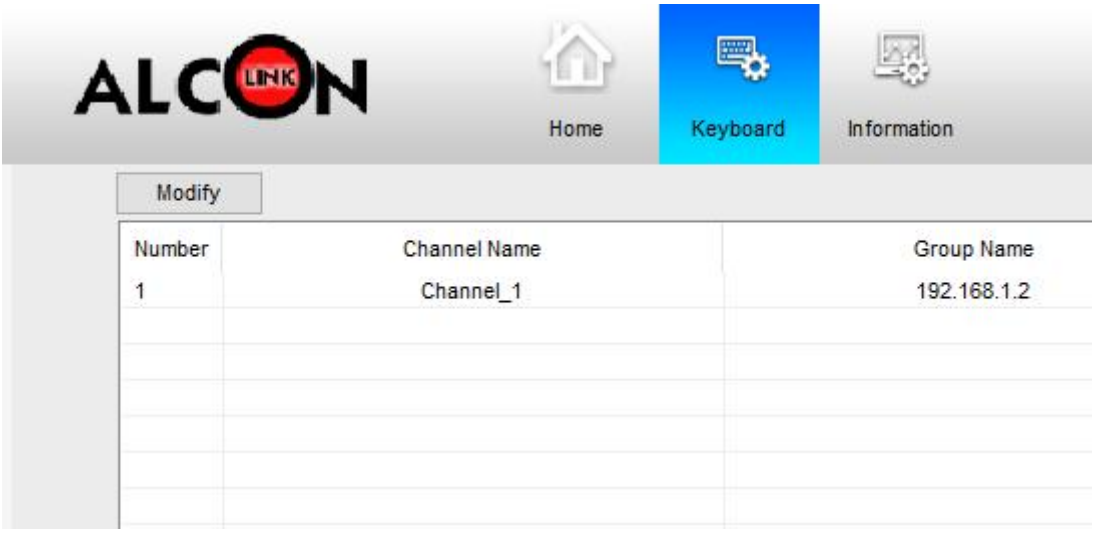
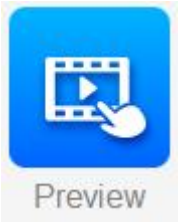


Figure 6.8.1

The system will list device encoding device and its channel information currently added to the custom group. User double clicks channel line to modify the number of channel.

VII. Operating Control Instructions

7.1 Video view



: Video preview display button, being able to display video player interface.

The main interface is composed of toolbar, encoding device list, video preview window and cradle head control, as shown in Figure 7.1.1.

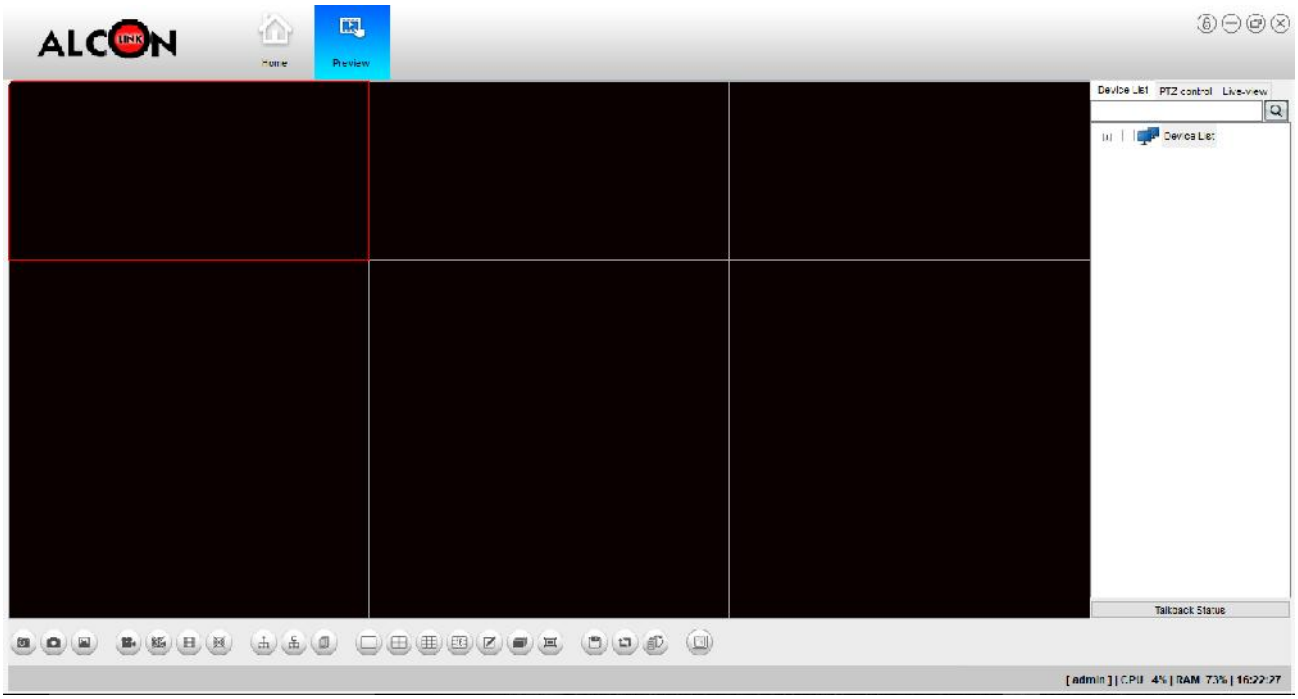


Figure 7.1.1

7.1.1 Video preview window

In small video preview window, video is displayed in the center, and video connection menu, sound menu, video recording menu and instant playback menu are respectively displayed in the lower left and the menus can achieve their functions. Double click the video window to maximize and double click again it to restore, as shown in Figure 7.1.2.

Figure 7.1.2

When previewing video, status bar (dark color) in the lower left can respectively display functions of current channel connection, start sound preview and channel recording and instant playback functions. Channel name is displayed in the lower right corner, as shown in Figure 7.1.3.

Figure 7.1.3

7.1.2 Video preview drag separating function

Video preview window can be freely dragged to any size. Select any window and hold down the left-hand button to drag for changing video preview window size, as shown in Figure 7.1.4.

Figure 7.1.4

7.1.3 Toolbar of video view

Video snapshot:

-- Snapshot Picture Button; when selecting preview window of single video connected, click this button to snapshot image of this window.

-- Snapshot All Button, being able to snapshot windows of all connected videos in the current screen.

-- Snapshot Path Button, being able to open folder storing snapshot file.

Video recording:

-- Start Videoing Button; when selecting preview window of single video connected, click this button to record image of this window.

-- Stop Videoing Button; when the mouse selects video preview window being recording, click this button to stop videoing corresponding channel.

-- Start All Videoing Button, being able to video windows of all connected videos in the current screen.

-- Stop All Videoing Button, being able to stop videoing all current channels.

Setting of switching group:

-- Start Group Switching Button; open video window and click the button to perform switching of switching group.

-- Stop Group Switching Button; click the button to stop the switching of switching group.

-- Display Switching Group List Button; click the button to show switching group list. As shown in Figure 7.1.5. Note: Right click to customize device group in the device list and select to add to [Add To Switching Group List], thus device will appear on the list.

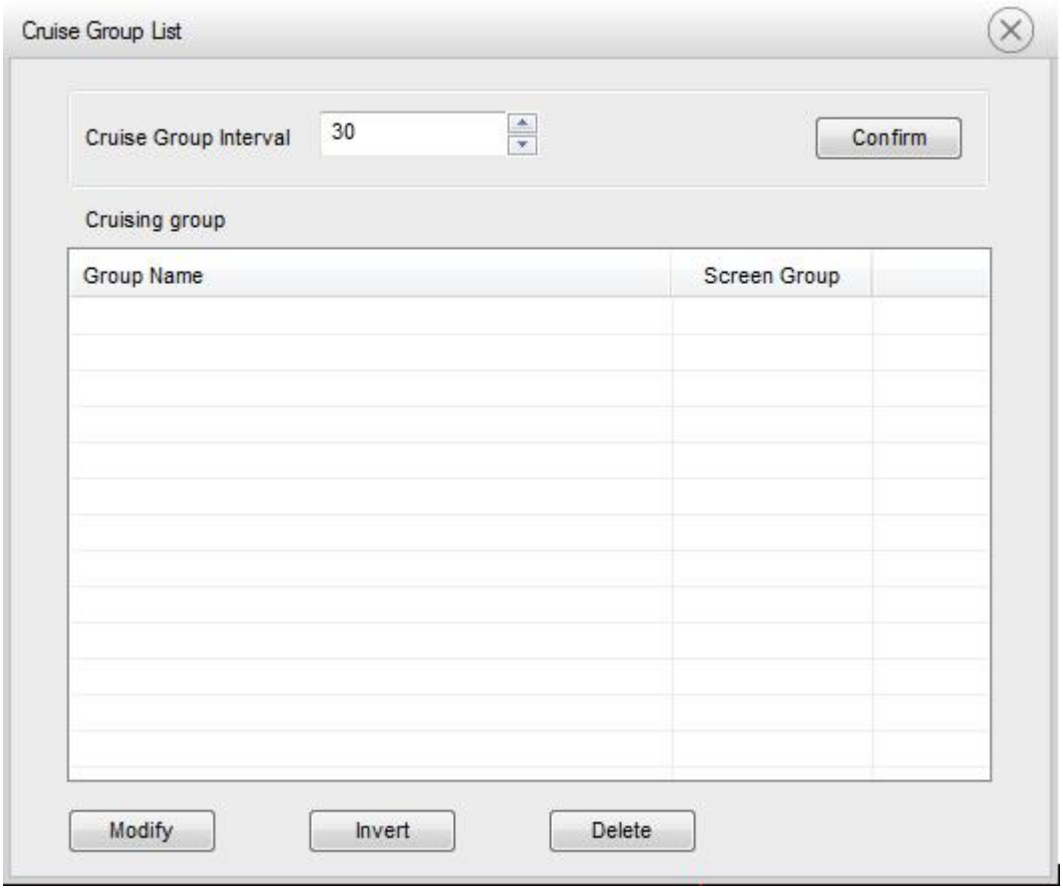


Figure 7.1.5

Set time interval of group switching in [Group Switching Time Interval (Second)] and then click [OK].

View the group added by user in the [Switching Group List], double click the group added, and a split screen custom dialog box will pop up and then the user can set split screen number during group switching. As shown in Figure 7.1.6.

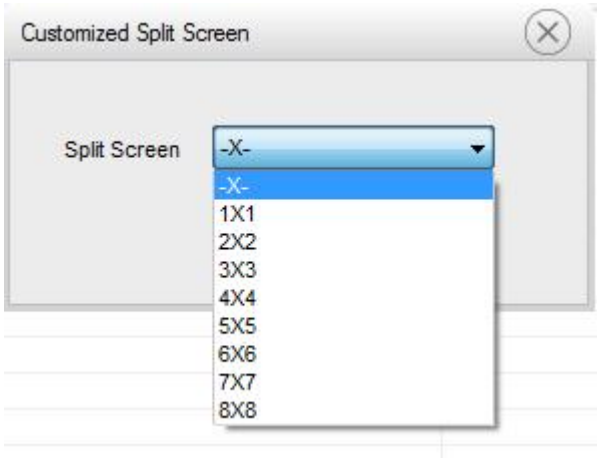


Figure 7.1.6

Click [Modify] to modify the number of split screen customized.

Click [Select Invert] to select adversely the group in switching group list.

Click [Delete] to delete the switching group selected.

Displayer setting:

-- After clicking, the screen will be divided into 1 1X1 video preview window in total.

-- After clicking, the screen will be divided into 4 2X2 video preview windows in total.

-- After clicking, the screen will be divided into 9 3X3 video preview windows in total.

-- After clicking, the screen will be divided into 16 4X4 video preview windows in total.

-- User can select more split screen modes after clicking.

User custom screen number button , click it to pop up custom screen split screen dialog box, it allows user to customize split screen, as shown in Figure 7.1.7.

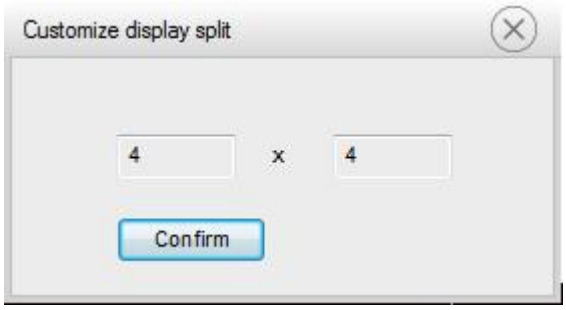


Figure 7.1.7

-- Video window can be displayed in full screen after clicking.

View setting:

-- User can store current view information after clicking.

--Click it to start or stop tour round switching between views

-- Display round tour switching list after clicking.

-- Switch to guard interface after clicking.

System lock:

-- System Lock Button, being able to lock system and it can be operated only after unlocking.

7.1.4 Context menu of encoding device

[Context Menu of Encoding Device]:

Right click the device nodes:

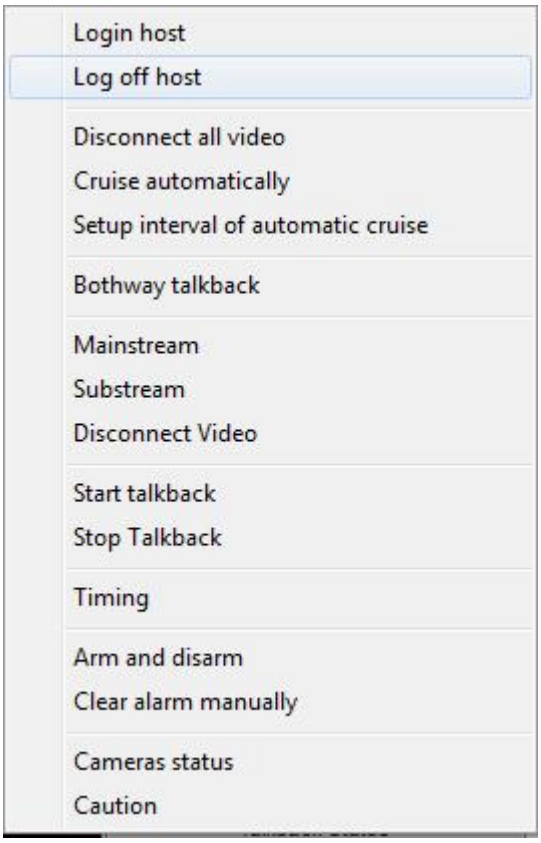


Figure 7.1.8

[Log in Host Belonged] Right click the encoding device belonged which can log in this channel from encoding device channel.

[Log out Host Belonged] Right click the encoding device belonged which can log out this channel from encoding device channel.

[Disconnect All Videos], disconnect all videos connected currently.

[Auto Switch], all on-line attachable videos can be automatically switched.

[Set Auto Switch Interval Time], click to open a dialog box which could set auto switch interval time, as shown in Figure 7.1.9.

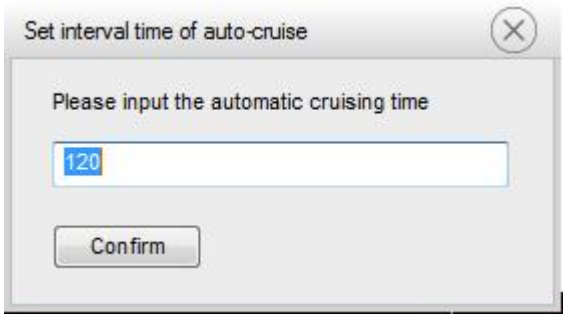


Figure 7.1.9

[Two-way Talkback], click the button from the channel logging encoding device to bidirectionally talk back to the video source in this channel.

[Master Code Stream], click the button from the channel logging encoding device to have video linked with master code stream in this channel.

[Slave Code Stream], click the button from the channel logging encoding device to have video linked with slave code stream in this channel.

[Disconnect Video], click the button from the channel connecting video to disconnect video in this channel.

[Start Talkback], click the button from the channel logging encoding device to talk back to the video source in this channel.

[Stop Talkback], click the button from the channel logging encoding device to disconnect talkback with video source of this channel.

[Timing], conduct timing for the online device.

[Alarm Arrangement and Cancel], the arrangement and cancel information under this channel or all channels of this group can be inquired. As shown in Figure 7.1.10.

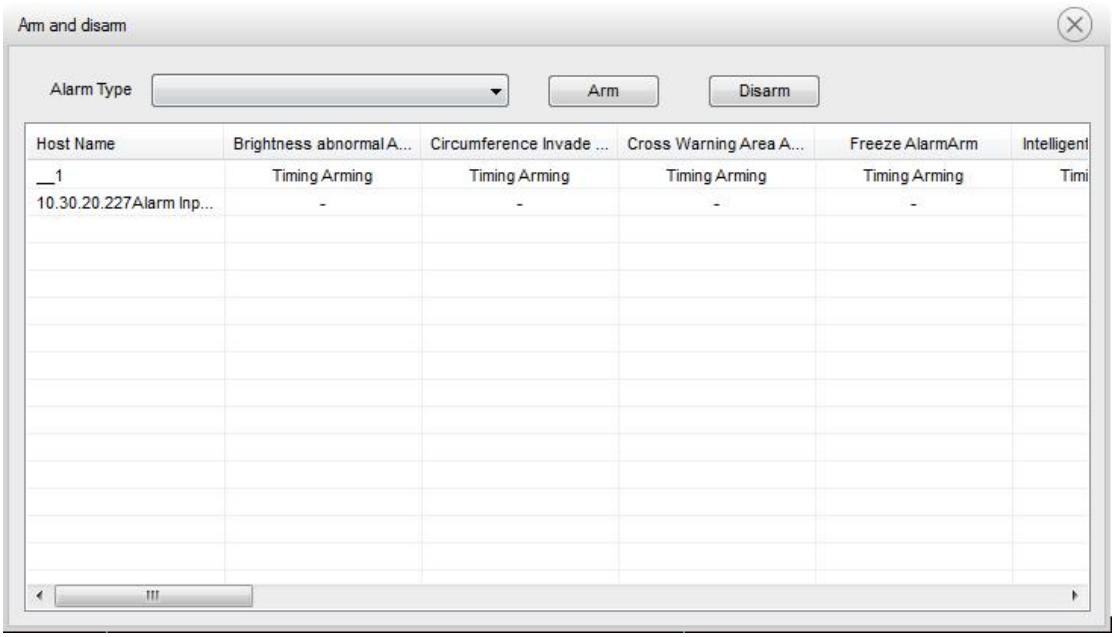


Figure 7.1.10

[Manual Alarm Elimination], all alarms in this channel can be eliminated.

[Monitoring Point Status], click to check the hard disk, video recording, signal and connecting status of the selected monitoring point(s) and current time (if the front-end monitoring device is supportive).

[Guard], configure the guard for the selected channel.

Right-click group:

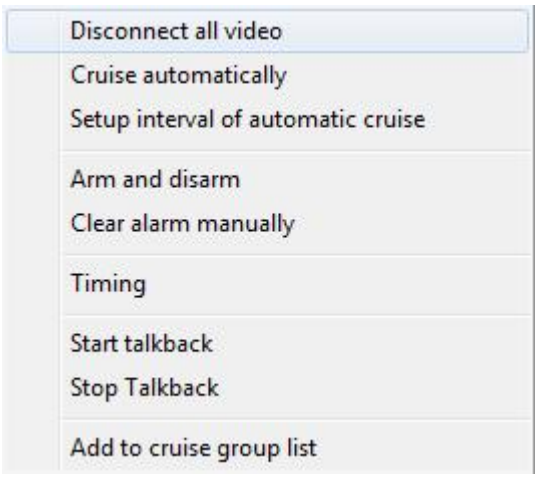


Figure 7.1.11

[Disconnect All Videos], all video view connected within this group can be disconnected.

[Auto Switch], automatically switch all online devices in this group.

The functions of [Set Auto Switch Interval Time], [Alarm Arrangement and Cancel] and [Manual Alarm Elimination] are the same as above.

[Alarm Arrangement and Cancel], the arrangement and cancel information under this channel or all channels of this group can be inquired.

[Manual Alarm Elimination], all alarms in this group can be eliminated.

[Timing], conduct timing for all online devices in this group.

[Start Talkback], initiate talkback to encoding device logged in this group.

[Stop Talkback], stop all talkback to encoding device logged in this group.

[Add to Switch Group List], add the selected encoding device list to auto switch group list.

7.1.5 Context menu of video preview window

At the video view window, right click it to pop up the context menu of video preview window, as shown in Figure 7.1.12.

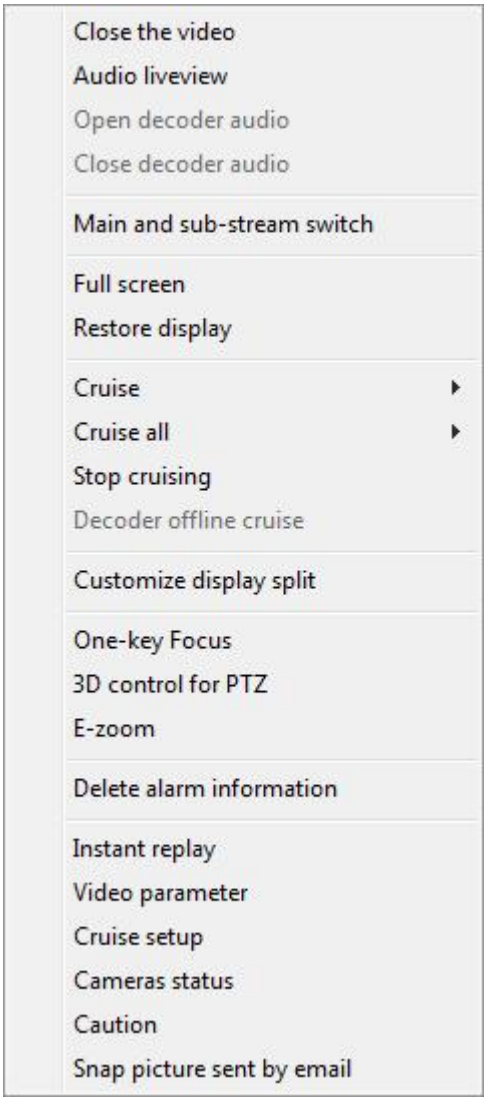


Figure 7.1.12

[Turn off Video], click single video window connected video to disconnect the video in this window.

[Audio Preview], click single video window connected video to listen to the sound of this video in this window.

[Switch between Master and Slave Code Streams], manually switch master and slave code streams.

[Full Screen], display video view window in full screen.

[Reset Display], when the video window has been dragged, the "reset display" can be clicked to return to original status.

[Monitor Switch], click a template set to conduct the monitor switch according to this template. ([Round Tour Plan] needs to be added.)

[All Monitor Switch] Select the existing template and all monitor numbers will be switched according to the selected template. ([Round Tour Plan] needs to be added.)

[Custom Picture Division] Click to let the dialog box for custom picture division pop

out to allow the user customizing and dividing pictures.

[One-key Focus] After the zooming control, certain devices can quickly focus by one-key focusing. For example, devices of 300WIPC.

[Fastball 3D Control] Click to start up/shut down the 3D control of Tiandy Fastball.

[Digital Zoom] Click to let the magnified picture pop out. Click the video window and keep the cursor in the original video window, then slide the mouse wheel forward to magnify or backward to narrow down. As shown in Figure 7.1.13.

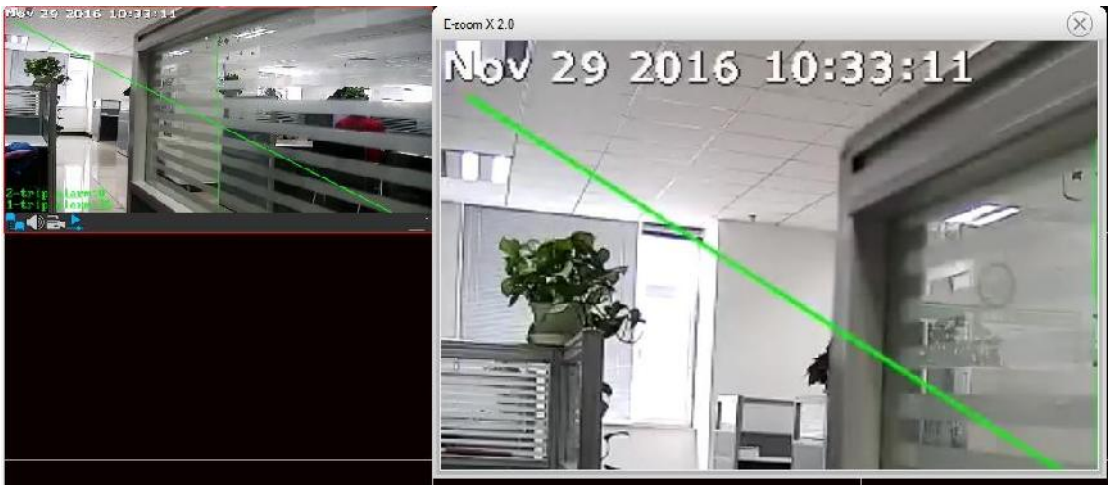


Figure 7.1.13

[Clear Alarm Prompt] Clear the alarming video channel.

[Instant Playback] There must be a front-end recording on the device, the video will jump to the instant playback interface to display the recording according to the preliminary display time in [6.6.1 Common setup].

[Video Parameters] Set the video display parameters of currently selected monitor number: Brightness, contrast ratio, saturability, chroma. As shown in Figure 7.1.14.

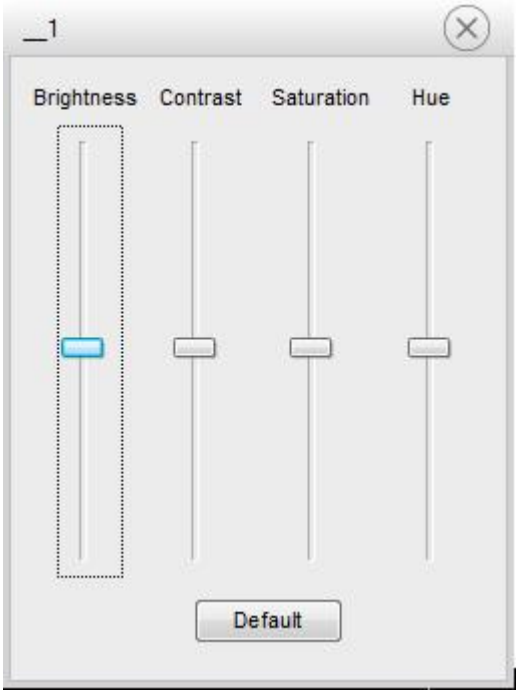


Figure 7.1.14

[Switch Setup] Refer to relevant configurations in Section 6.4.1 Round tour plan.

Note: When the focus is on the window connecting videos, the status bar will be displayed and hided after the focus is lost. The effect comparisons are as shown in Figure 7.1.15.

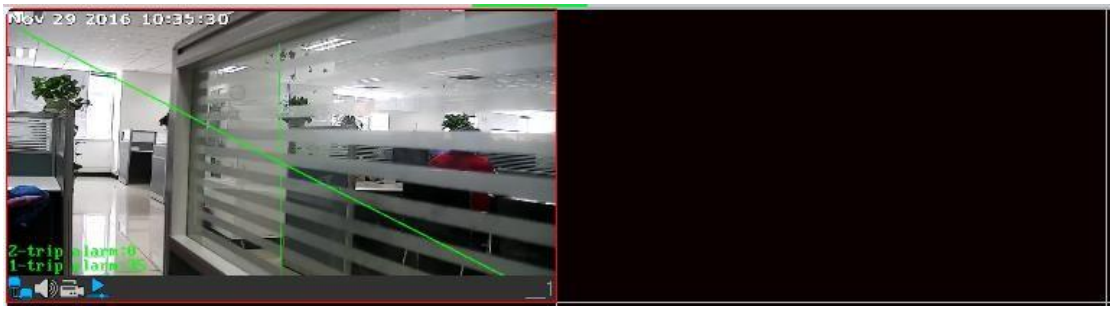


Figure 7.1.15

[Monitoring Point Status], click to check the hard disk, video recording, signal and connecting status of the selected monitoring point(s) and connected IP (if the front-end monitoring device is supportive).

[Guard], configure the guard for the selected channel.

[E-mailing Screenshot] Send screenshots to the e-mail recipient configured in [System Setup].

7.1.6 Cradle head control

7.1.6.1 Direction and velocity control

Figure 7.1.16

The directions of cradle head control is as shown in Figure 7.1.16. There are two ways to control the cradle head to move, select one to rotate the cradle head and control the velocity with the below velocity scrollbar which represents slow to fast from left to right.

Figure 7.1.17

Calling and setup of presetting bit. As shown in Figure 7.1.17.

[Setup] Select the presetting bit number to be stored, adjust the picture to an ideal storing presetting bit and click the setup to store this position.

[Calling] Select the stored presetting bit and click the calling to let the picture jump to the picture of this presetting bit.

7.1.6.2 Controls on lamplight, windshield wiper and power supply

These represent lamplight, power supply and windshield wiper from left to right.

[Lamplight] Light on/off (only limited to when the controlled camera has a lamplight function.

[Power Supply] Power on/off (only limited to when the controlled camera has a power supply function.

[Windshield Wiper] Turn on/off the windshield wiper (only limited to when the controlled camera has a windshield wiper function.

7.1.6.3 Camera lens control

Apply this button to zoom the cradle head.

Click "-" to diminish the cradle head. Click "+" to enlarge the cradle head.

Apply this button to adjust the focal length of camera lens of the cradle head.

Click "-" to zoom in the camera lens of the cradle head. Click "+" to zoom out the camera lens of the cradle head.

Apply this button to adjust the aperture of camera lens of the cradle head.

Click "-" to diminish the aperture of camera lens of the cradle head. Click "+" to enlarge the aperture of camera lens of the cradle head.

7.1.6.4 Other controls

[Advanced] Set a dialog box at the presetting bit (only limited to when the current channel protocol is set as DOME protocol).

[Sound] Adjust the sound volume of the currently selected video.

These are fog penetrating, strong light inhibition, wide dynamic and manual tracking from left to right.

[Fog Penetrating] Start up/shut down the fog penetrating (only limited to when the controlled device has the fog penetrating function).

[Strong Light Inhibition] Start up/shut down the strong light inhibition (only limited to when the controlled device has the strong light inhibition function).

[Wide Dynamic] Start up/shut down the wide dynamic (only limited to when the controlled device has the wide dynamic function).

[Manual Tracking] Start up/shut down the manual tracking (only limited to when the controlled device has the manual tracking function), and the rear progress bar can be applied to adjust the manual tracking parameters.

7.1.7 View

The view list displays the current saved view label which can be double clicked to preview the information. (The view information includes window's displaying pattern and channel video's connecting status). Right-click the interface pops out of the node menu of this list view, which is as shown in Figure 7.1.18.

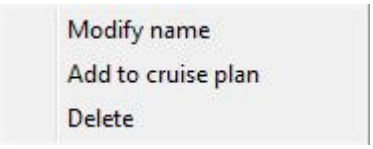


Figure 7.1.18

[Modify Name] Click to modify the view name.

[Add To Round Tour Plan] Click to add this view into view round tour plan list.

[Delete] Click to delete this view information node from view list.

7.2 Video playback

-- Display button of the playback apparatus, which can be applied to display the playback apparatus interface.

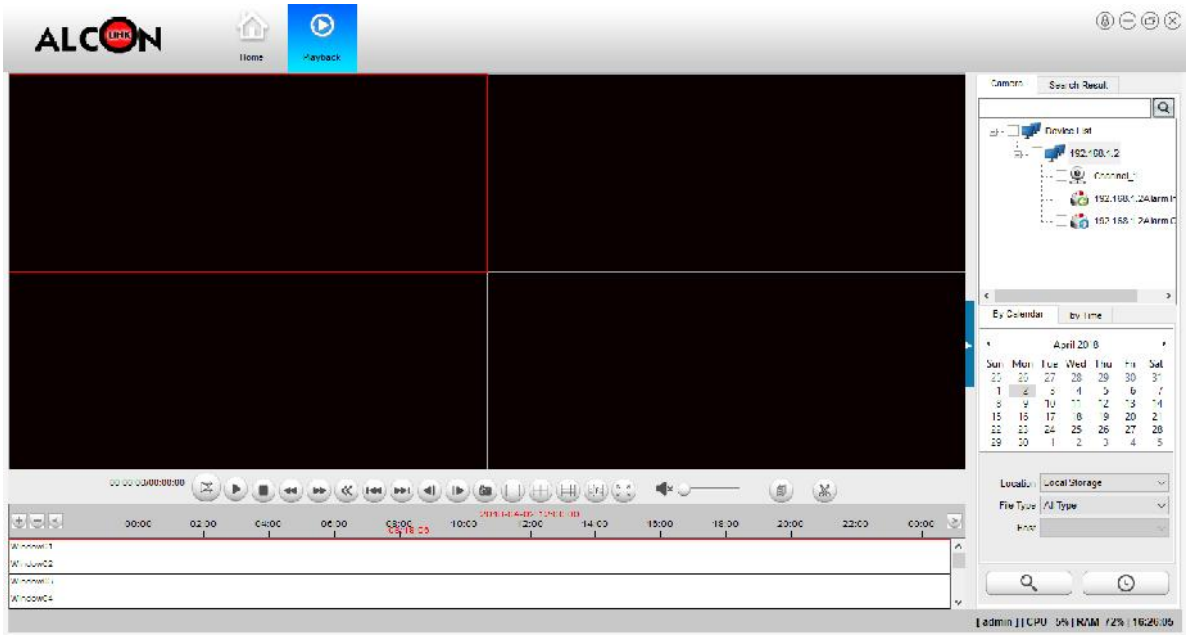


Figure 7.2.1

The playback apparatus page interface is as shown in Figure 7.2.1, which is mainly constituted by monitoring point list, playback window, playback control and inquiry and download.

7.2.1 Recording inquiry

In the right inquiry unit of playback download interface, select the monitoring point and [Storage Position]. The storage position includes the front-end storage, centralized storage and local storage. As shown in Figure 7.2.2.

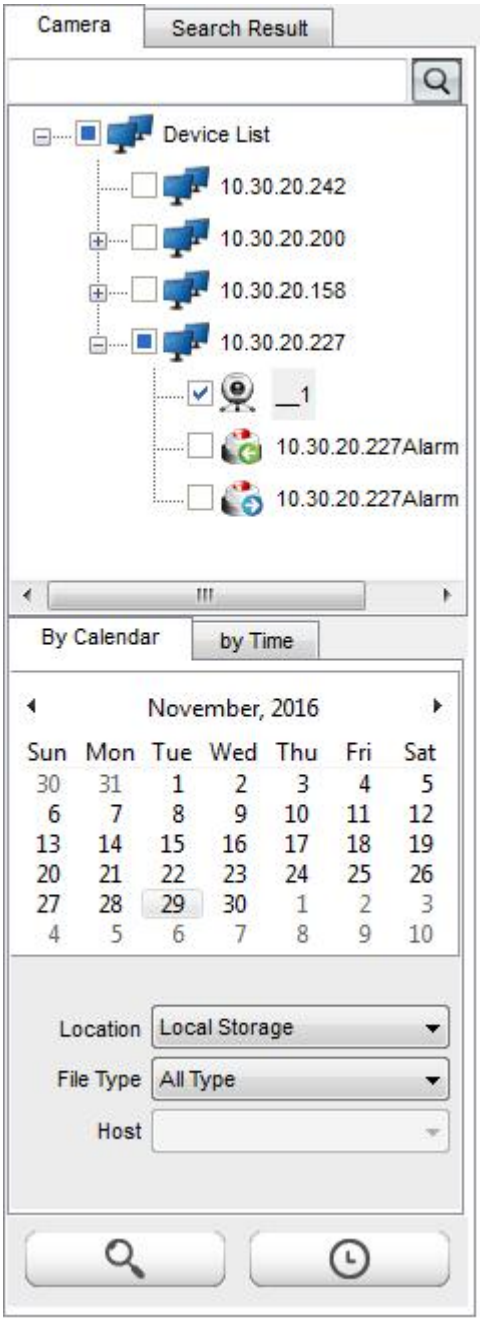


Figure 7.2.2

When selecting the centralized storage, the below [Storage Server] can be selected, otherwise the storage selected server cannot be selected.

After selecting the storage position, click the monitoring point to display the recording status of this monitoring point on a calendar, the boldface represents that there is a recording file on that day.

There are two inquiry methods: 1. Inquire according to the calendar, namely to

inquire the recording on one certain day. 2. Inquire according to the timing, namely to inquire the recording at certain period.

Select the condition and click the inquiry button, then the inquiry result will appear: As shown in Figure 7.2.3:

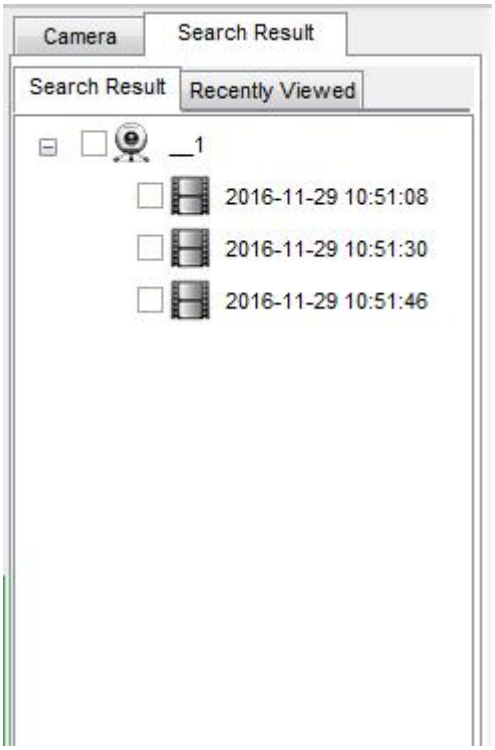


Figure 7.2.3

And the inquiry result will be displayed on the process bar. The user can playback by clicking the time point on the process bar.

7.2.2 Recoding playback

Method 1: Double click one inquired recording file to playback.

Method 2: Select on playback window and click the for playback to playback the recording on the timeline related to the selected window.

Method 3: Straightly click the time point on timeline to playback from here.

If the recording file to be played back is encrypted, decryption dialog box will pop out for user to decrypt.

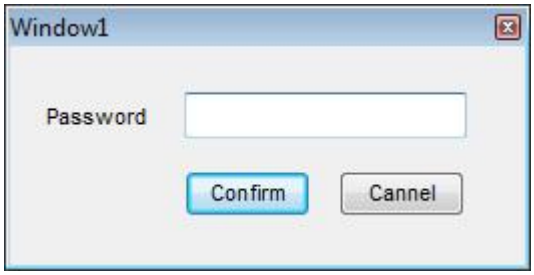


Figure 7.2.4

7.2.2.1 Playback control

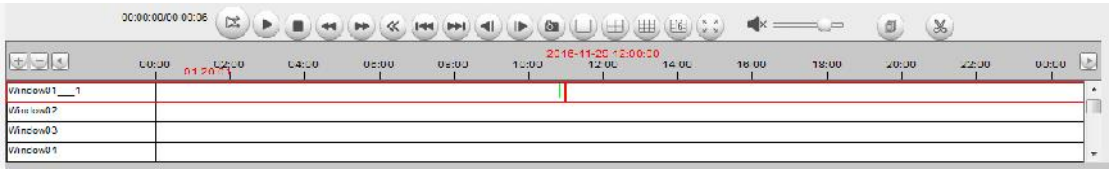


Figure 7.2.5

The playback control button is as shown in Figure 7.2.5.

: Button for single screen displaying. Click to make the window display as a single picture.

: Button for four screens displaying. Click to make the window display as four pictures.

: Button for nine screens displaying. Click to make the window display as nine pictures.

: Start/stop synchronous playback. Click to control multi-channel recordings to display according to the timeline and if the synchronous playback is available.

: Start/pause button. Click to control to start/pause the recording.

: Stop button. Click to stop playing back the current recording.

: The left one is the slow motion button; click to slow the recording. The right one is the quick motion button; click to speed up the recording.

: Fast backward button. Click to make the recording go backward fast. This button only supports local files.

: The left one is to locate the first frame, which only supports local file; click to locate the first frame of the file. The right one is to locate the last frame, which only supports local file; click to locate the last frame of the file.

: The left one is to step back by single frame, which only supports local file; click to make the recording steps back frame by frame. The right one to step forward by single frame; click to make the recording steps forward frame by frame.

: Snapshot button. Click to snapshot the selected displaying recording.

: Sound volume adjusting bar. Slide to adjust the sound volume of playback recording. Click the horn to turn on/off the sound.

: Click this button to cut the local or previous recording on timeline

[Timeline] Display the playback progress. Certain time point can be clicked to adjust the playback location of recording.

7.2.2.2 Context menu of playback window

When playing back, right-click the displaying window to pop out following menu,

which is as shown in Figure 7.2.6.

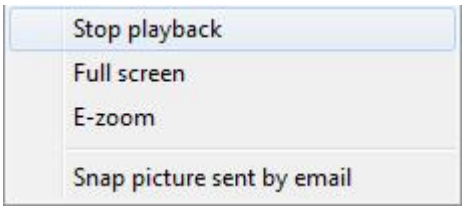


Figure 7.2.6

[Stop Playback] Click to stop the currently displaying recording.

[Full Screen] Click to playback the window with a full screen. Click again to stop the full screen displaying.

[Electronic Amplification] Put the cursor in the display window and see the amplified effect in the electronic amplification window. As shown in Figure 7.2.7:

Figure 7.2.7

[E-mailing Screenshot] Send screenshots to the e-mail recipient configured in [System Setup].

7.2.3 Download

7.2.3.1 Download files

There are two ways of downloading: download according to files or time period;

1. Download according to files (breakpoint resume):

1. Batch download:

Select multiple files of [Inquiry Result] on [Recording Playback] interface and right-click, then the context menu will pop out; select [Download] to download in batch, which is as shown in Figure 7.2.8.

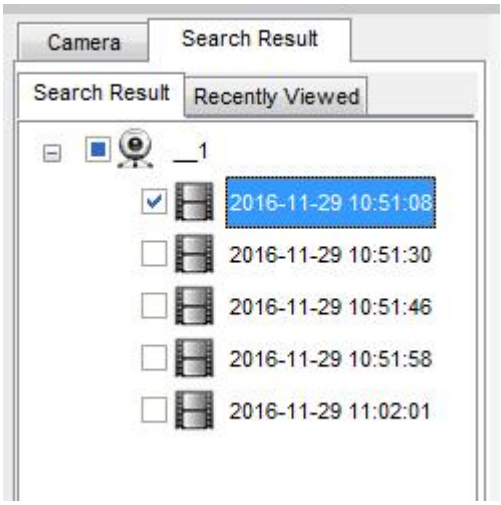


Figure 7.2.8

Click [Export List Displaying] to reveal the download list page, and the downloading file will be added into the download list, which is as shown in Figure 7.2.9.

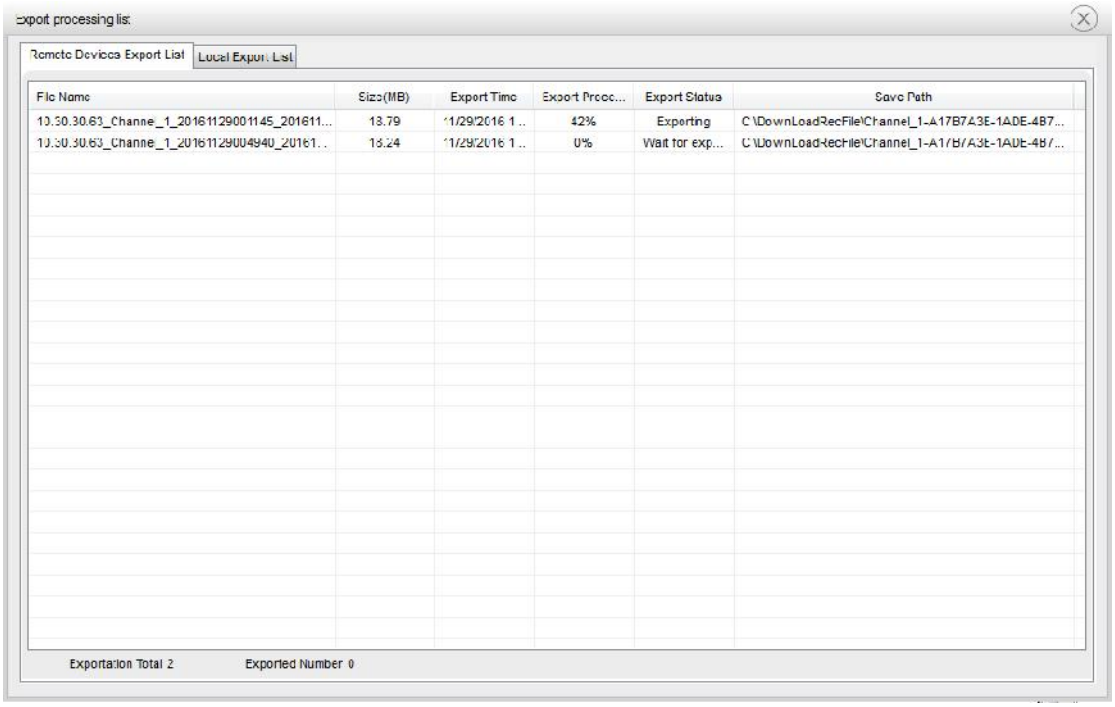


Figure 7.2.9

Note: Currently [Centralized Storage] uniform encoding device supports downloading 10 recordings simultaneously at most, while [Front-end Storage] uniform encoding device only supports downloading 1 recording.

2. Stop exporting

Right-click the file under downloading status with [Exporting], select [Stop Exporting] to pause this file downloading. As shown in Figure 7.2.10.

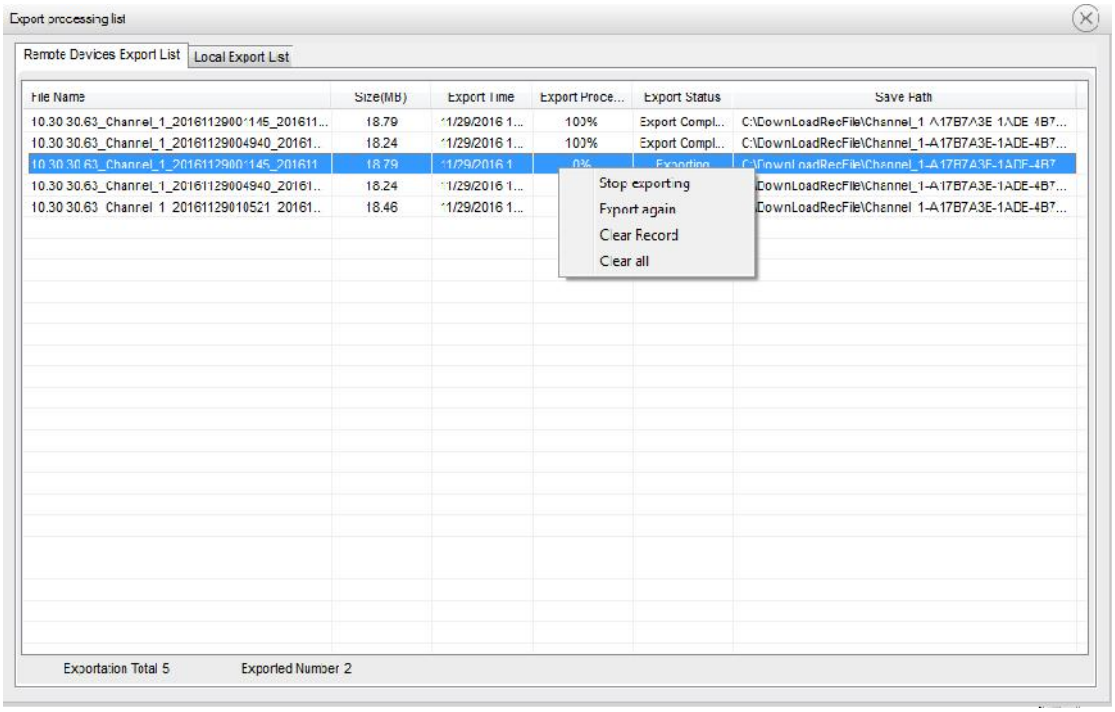


Figure 7.2.10

3. Re-export

Right-click the file under downloading status with [Exporting] or [Stop Exporting], select [Re-export] to re-download this file. As shown in Figure 7.2.11.

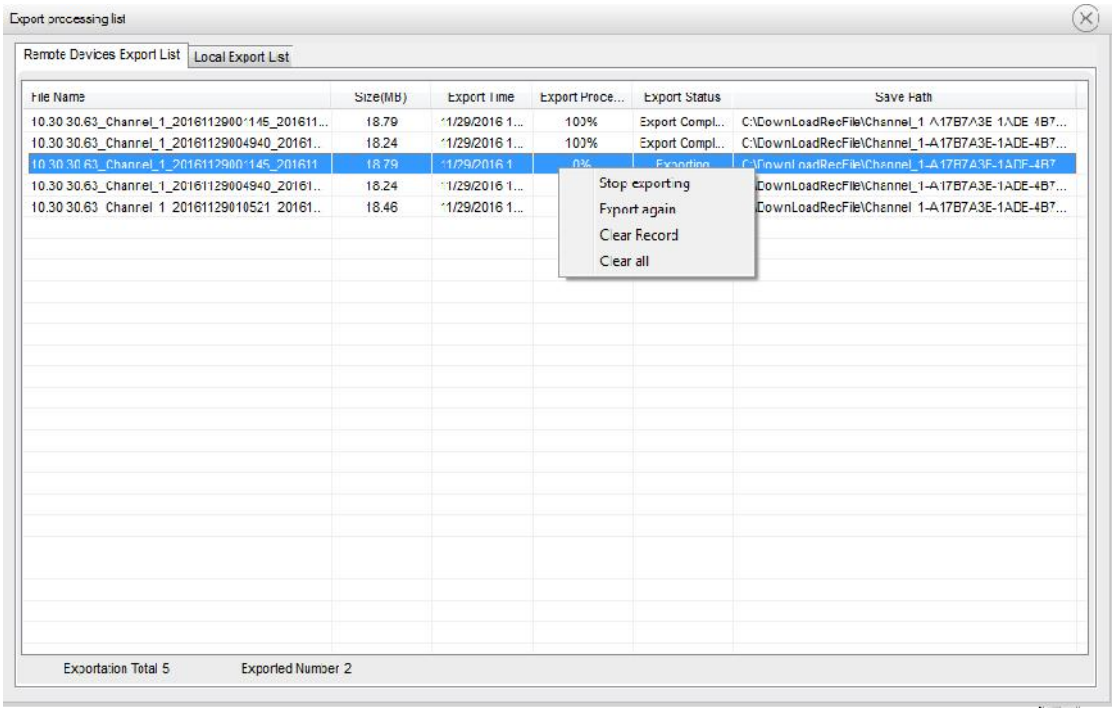


Figure 7.2.11

Note: The file goes through [Stop Exporting] and [Re-export] re-join the downloading queue and wait to be download.

(Note: When downloading the recording of front-end storage, the same encoding

device can only download one recording at the same time, while different encoding devices can download in parallel.

2. Download according to time period:

Recordings on centralized storage and front-end storage support downloading according to time period.

Select the ideal downloading channel (by clicking the drop-down menu or the channels in tree list) and ideal downloading time, click the button for downloading according to time period.

7.2.3.2 Context menu of download list

Right button for front-end recording and centralized recording:

Figure 7.2.12

[Stop exporting] Select one download record, click to stop downloading this file.

[Re-export] Re-download one recording.

[Clear Records] Clear download records under this term.

[Clear All] Clear all download records.

Right-click local recording:

[Save as] Save the selected recording in the selected file.

7.2.4 Playback apparatus page usage

7.2.4.1 History (recent browsing)

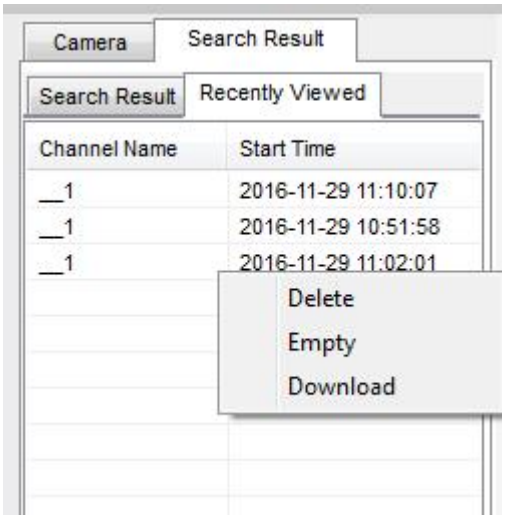


Figure 7.2.13

[Recent Browsing] List shows the recording has been displayed in [Playback Apparatus].

[Recent Browsing] Right-click certain recording on the list to operate [Delete], [Clear] and [Download].

7.3 Electronic map

: Electronic map displaying button. Click to display the electronic map page.

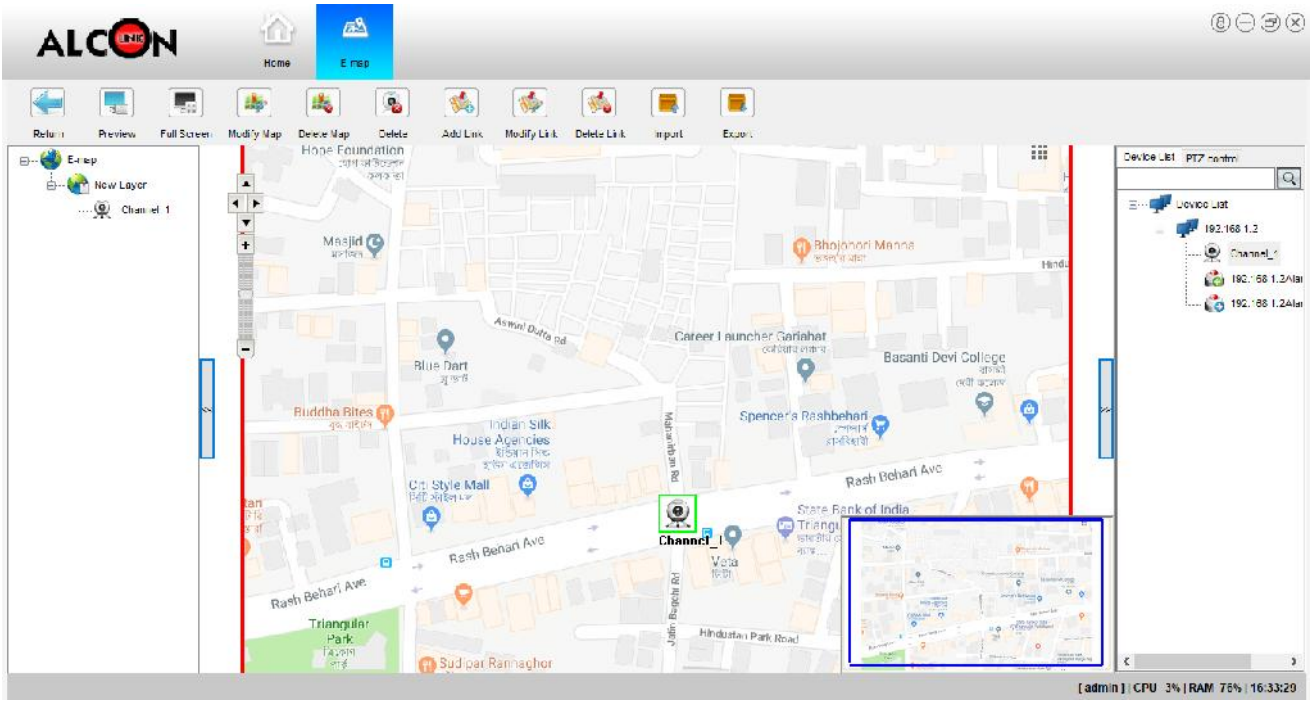


Figure 7.3.1

[Browse Mode]

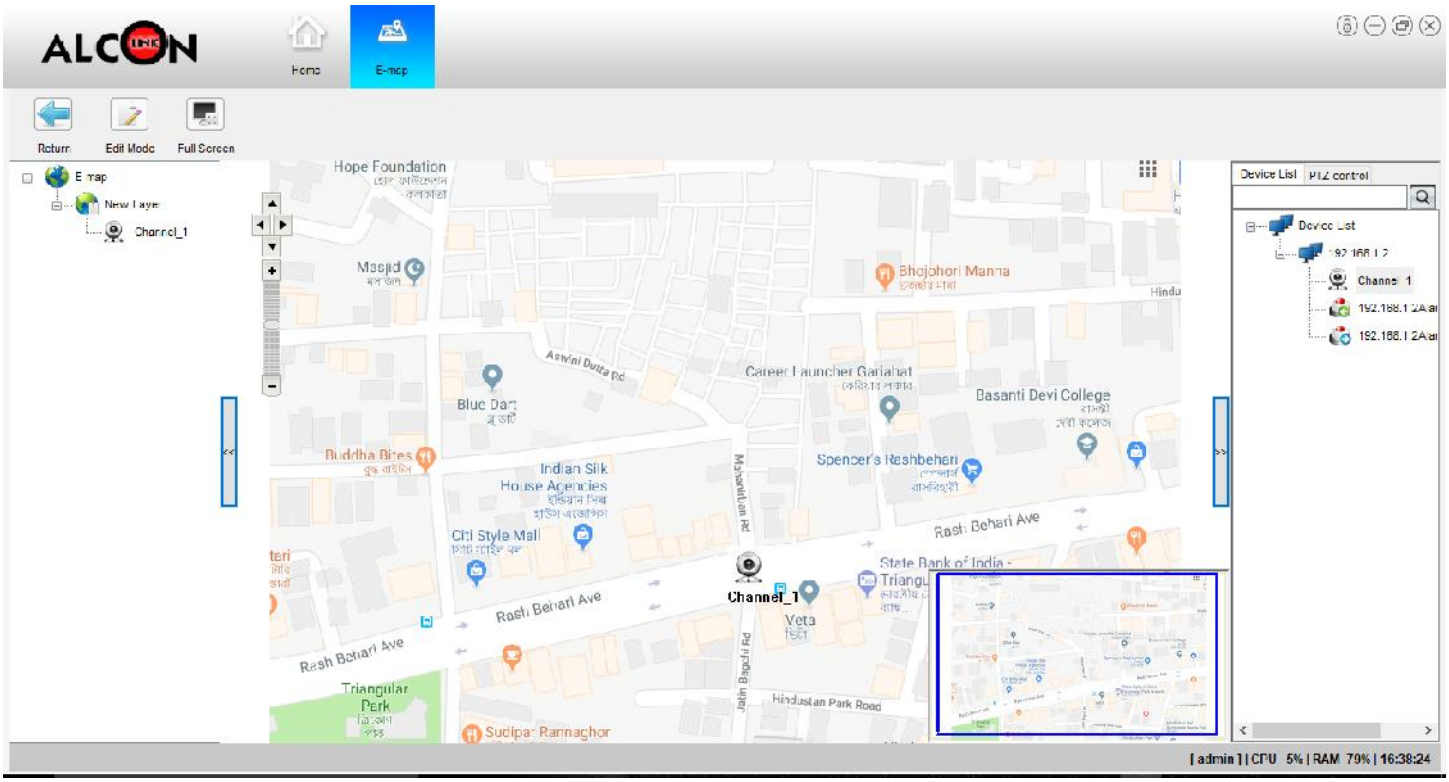
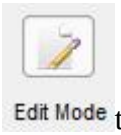
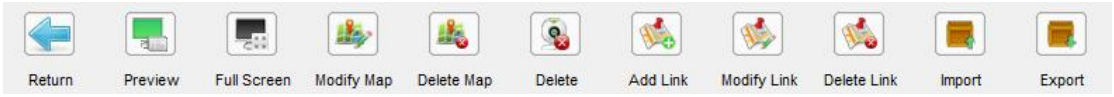


Figure 7.3.2

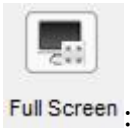
7.3.1 Menu

Click 

to enter [Edit Mode].

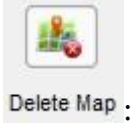


: Preview mode button. Click to preview the map.

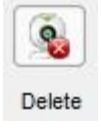


: Full screen display button. Click to display the map with full screen.

: Modify map button. Click to modify the selected map's name and layer.



: Delete map button. Click to delete the selected map.



: Delete device button. Click to delete the selected device.

: Add hotspot button. Click to correlate another map to the current map.

: Modify hotspot button. Click to modify the added hotspot map.

: Delete hotspot button. Click to delete the added hotspot.

: Import template button. Click to import the saved map.

: Export template button. Click to export and backup the current map.

: Return button. Use together with the hotspot to switch hotspot and original map.

7.3.2 Direction and scale operation

Figure 7.3.3

This section can move up/down/left/right and magnify or shrink the map.

Click to move up the map.

Click to move down the map.

Click to move left the map.

Click to move right the map.

Click to magnify the map.

Click to shrink the map.

Drag to move up or down to magnify or shrink the map.

7.3.3 Context menu of map

Under [Preview Mode], right-click the hotspot icon

to select [Map Navigation] to enter the map layer related to this tag. The picture before the selection is as shown in Figure 7.3.4, and the picture after is as shown in Figure 7.3.5.

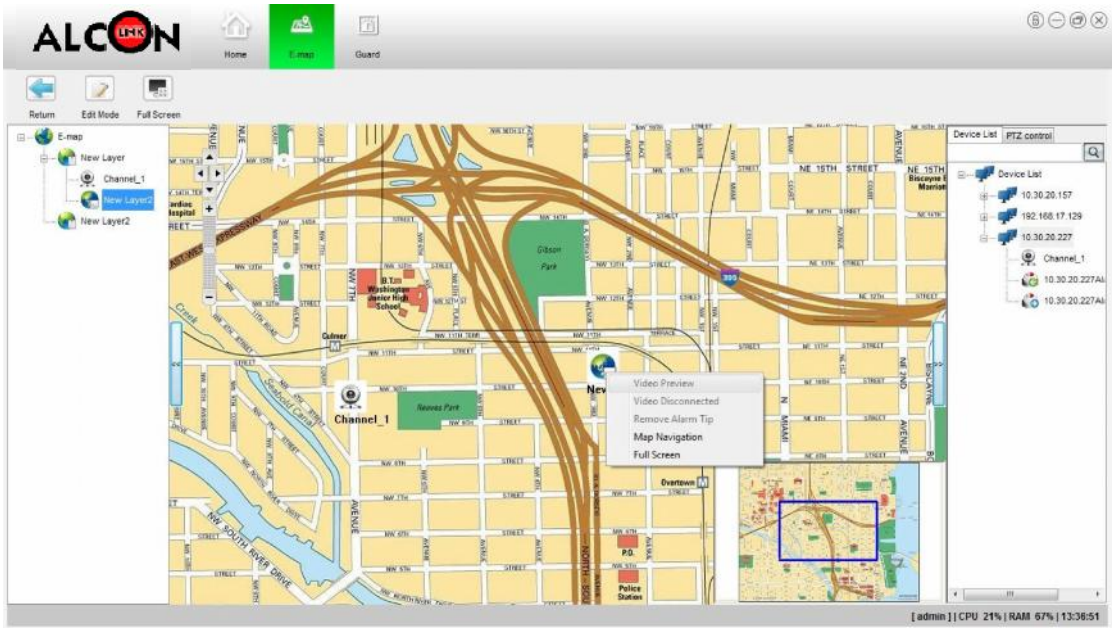


Figure 7.3.4

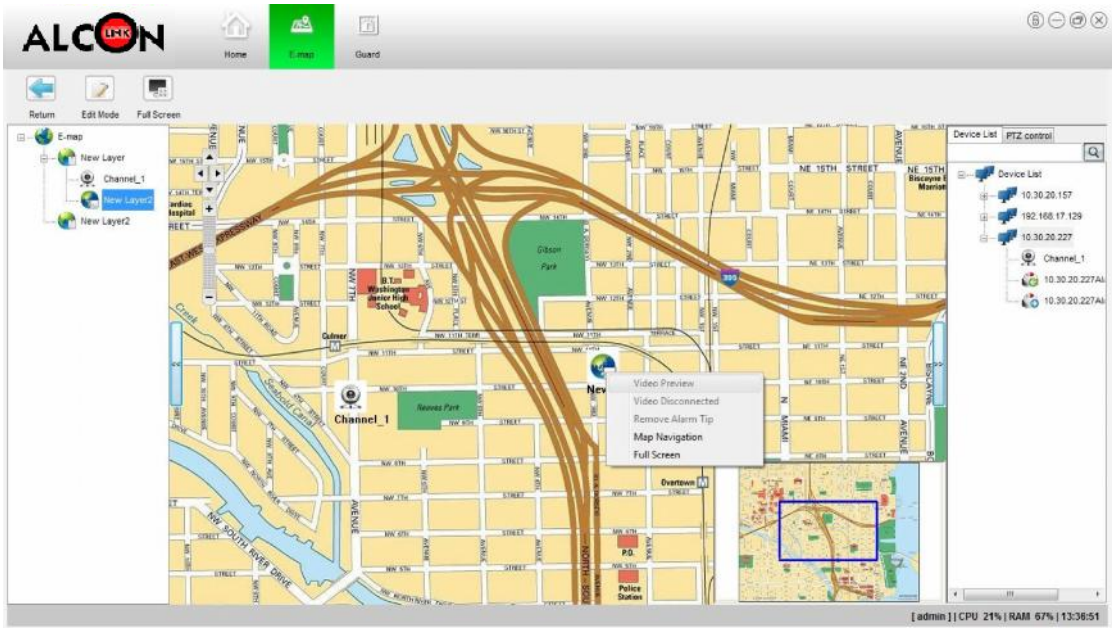


Figure 7.3.5

Right-click the video channel on the map:

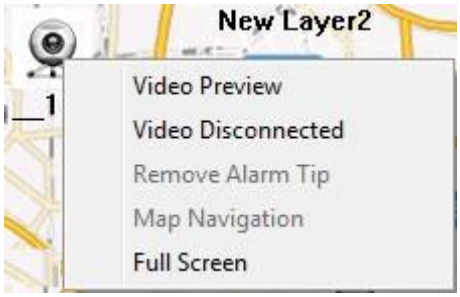


Figure 7.3.6

[Video Browsing] Click to open new window and browse videos of this channel.

Figure 7.3.7

[Disconnect Video] Disconnect videos of this channel.

[Full Screen] Display the map in full screen.

7.3.4 Context menu of map layer

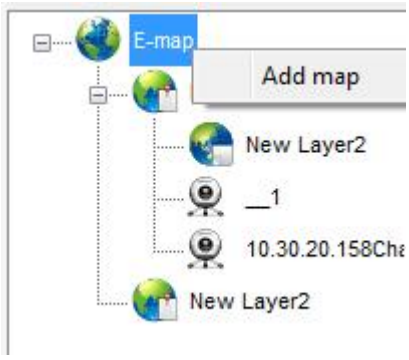


Figure 7.3.8

[Edit Mode] Add new map layer. As shown in Figure 7.3.8.

[Add Video Monitoring Point], [Add Alarm Import] and [Add Alarm Export] can be directly dragged from right device list to the corresponding point on map and automatically added to the [Electronic Map] node.

7.4 Local storage

: Storage status display button. Click to display the storage status page.

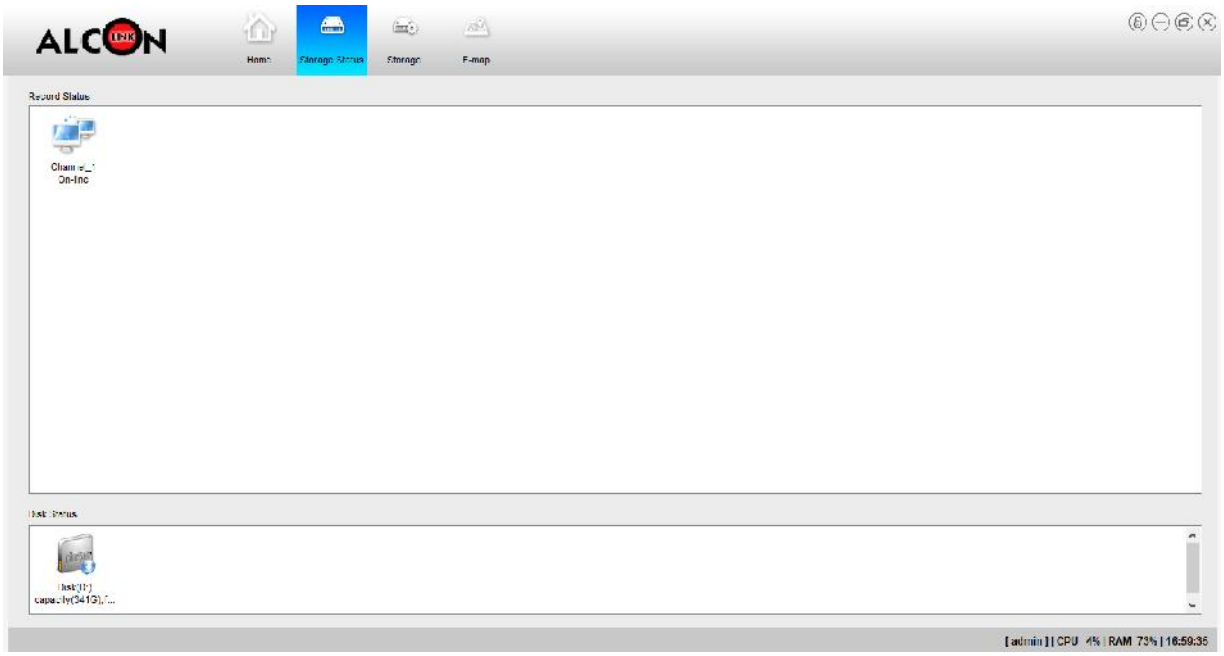


Figure 7.4.1

7.4.1 Recording status

: Off line status display

: On line status display

: Timing recording status display

: Alarm recording status display

: Manual recording status display

7.4.2 Disk status

: Working status. This disk is in using

: Backup status. This disk is a backup.

7.5 Alarm prompt

: Alarm prompt display button. Display the alarm prompt page.

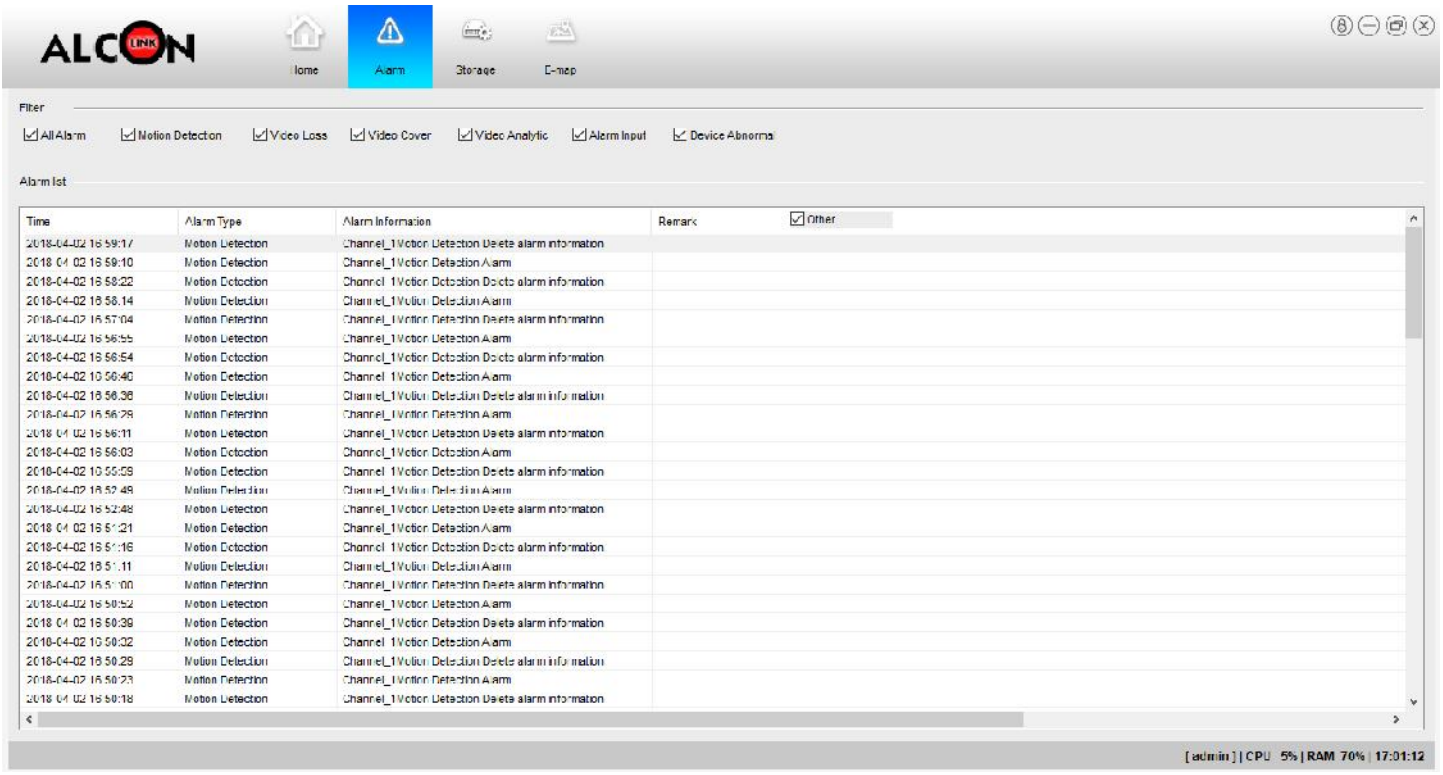


Figure 7.5.1

Select the filter conditions to display the alarm information needs to be checked.

Double click the video alarm information to preview this alarm video channel. As shown in Figure 7.5.2

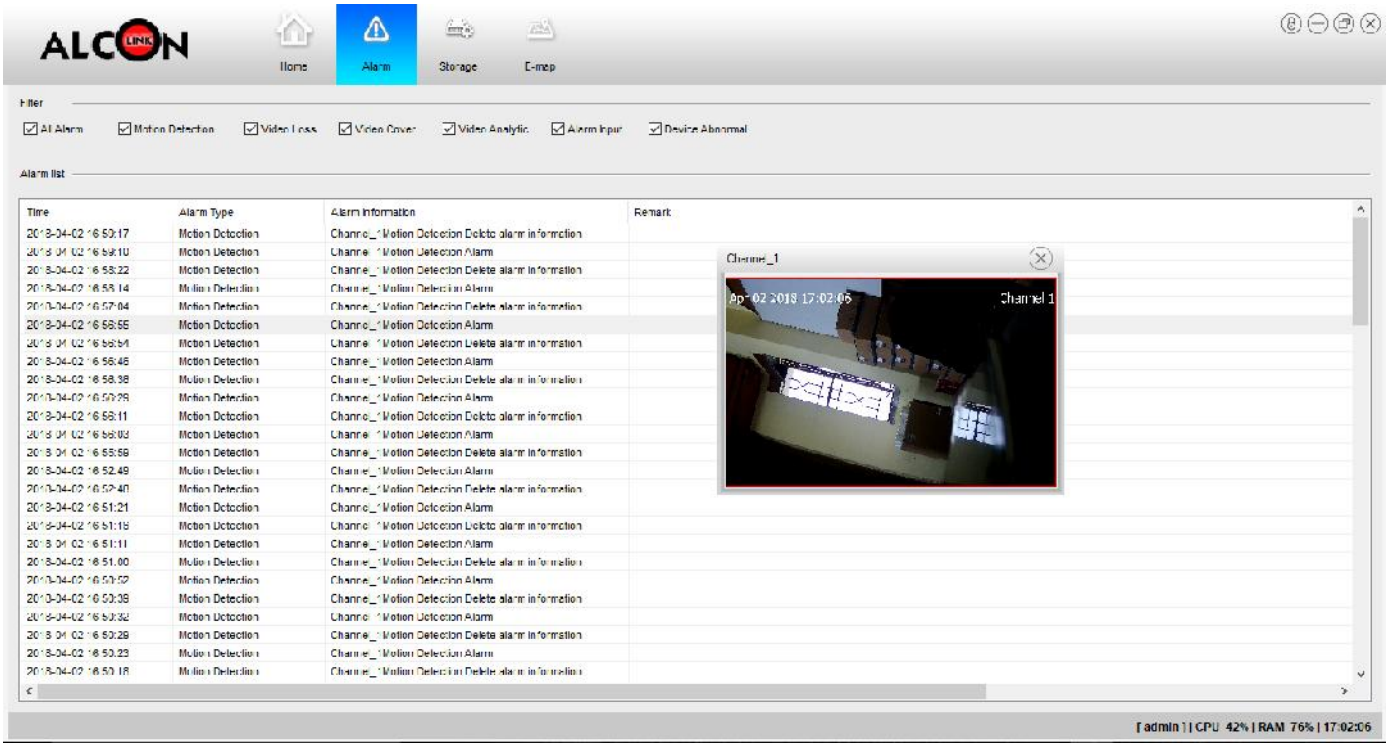


Figure 7.5.2

Right-click the alarm to remark, which is as shown in Figure 7.5.3:

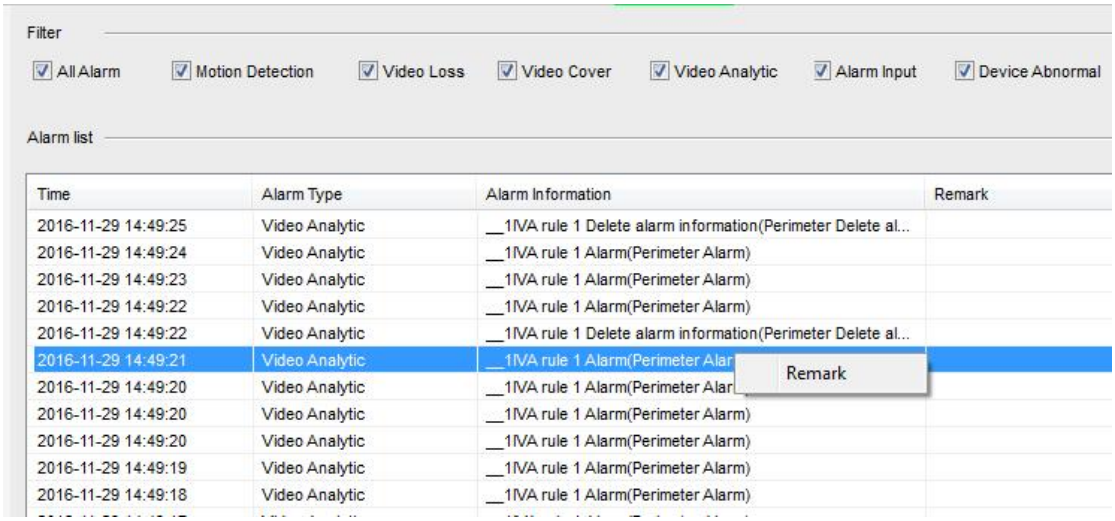


Figure 7.5.3

Modify the remarks in log management: As shown in Figure 7.5.4

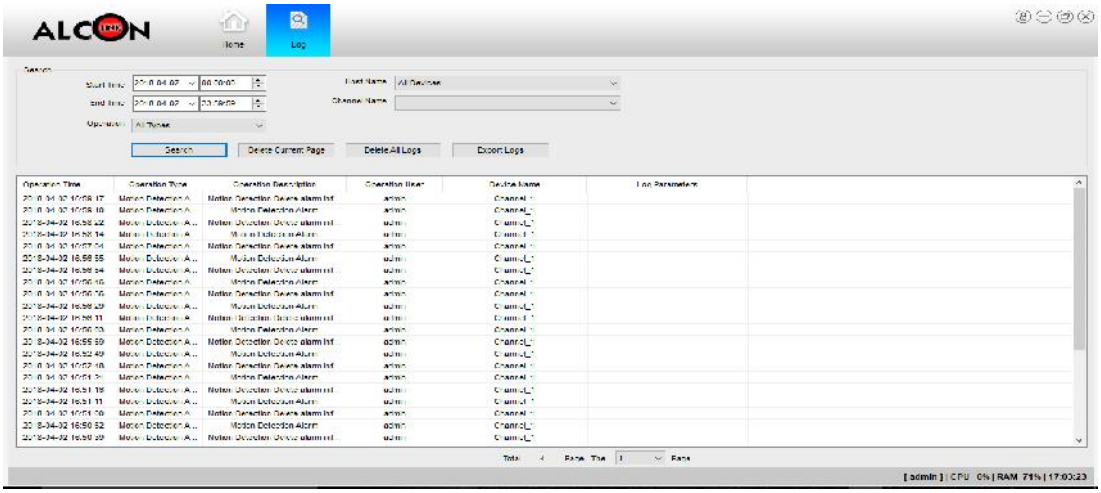
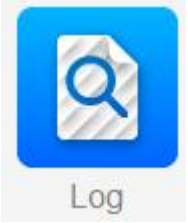


Figure 7.5.4

7.6 Log management



: Log query display button. Click to display the log query page.

Click [Log Query] button to display the log query interface, which supports the star bayonet, illegally parked capture ball and traffic host device as well as the alarm logging and inquiring. The log query page is as shown in Figure 7.6.1.

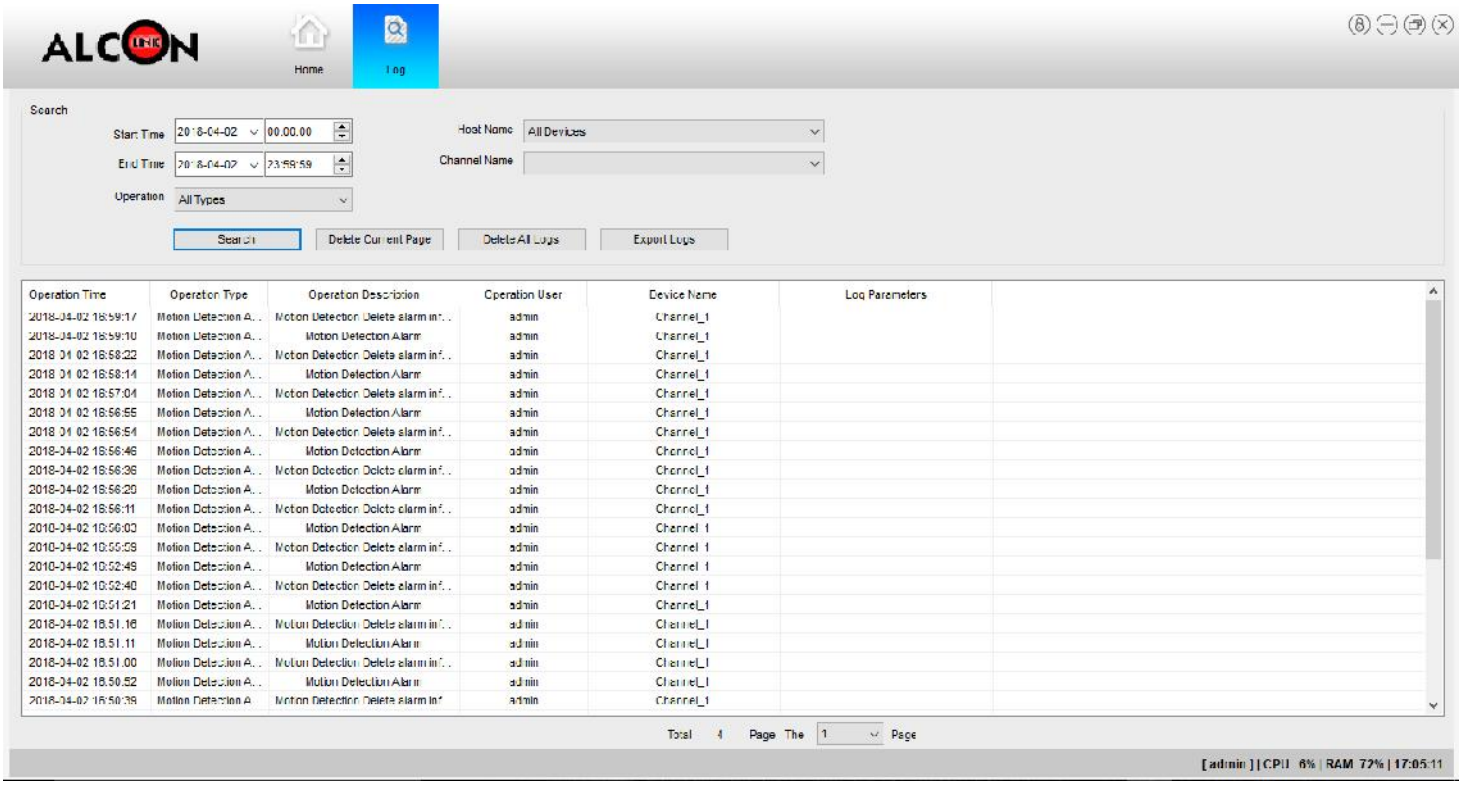


Figure 7.6.1

[Start Time] Set the start time for inquiring the log.

[End Time] Set the end time for inquiring the log.

[Operation Type] Inquire the log according to types, including the host status, port input alarm, video movement, losing, diagnosis and so on, which are as shown in Figure 7.6.2.

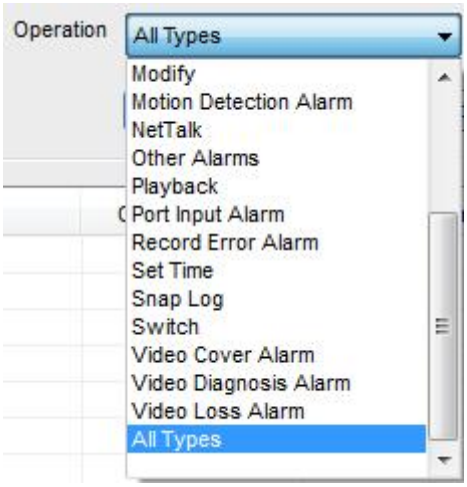


Figure 7.6.2

[Host Name] Inquire the log of one certain host according to host name.

[Channel Name] Inquire the log according to channel and alarm input/output port.

[Query] Click to inquire the log according to query conditions.

[Delete Current Page] Click to delete the log history on the current page.

[Delete All Logs] Click to delete all logs of this query result.

[Export Log] Click to export and store the log.

[Total X Pages] Click to show how many pages are there.

[Page X] Select one certain page and jump to the log history of that page.

Search logs of linkage recording, such as video movement linkage recordings Double click the corresponding log, and the log recording dialog box will pop out. As shown in Figure 7.6.3.

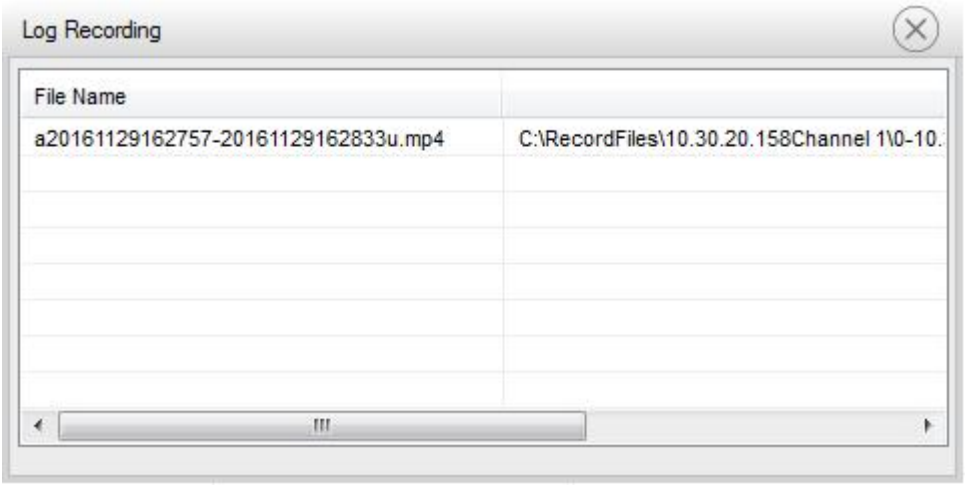


Figure 7.6.3

If the alarm recording is displayed in the alarm recording list, double click the recording information in list to let the player pop out to playback the recording. As shown in Figure 7.6.4.

Figure 7.6.4

Remark the log in query results, which is as shown in Figure 7.6.5.

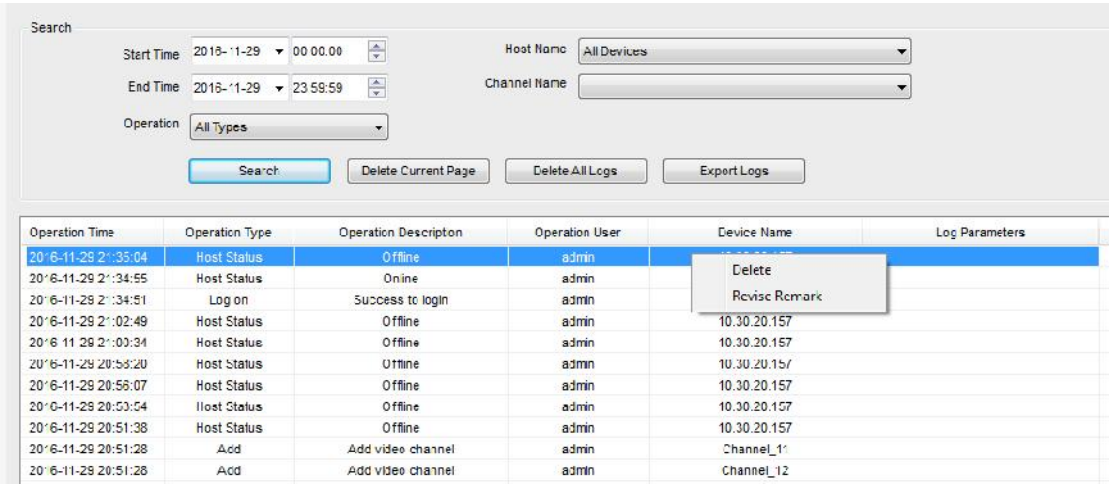


Figure 7.6.5

7.7 TV wall configuration

: Display button of TV wall configuration. Click to display the TV wall configuration page.

Add the TV wall layout. As shown in Figure 7.7.1.

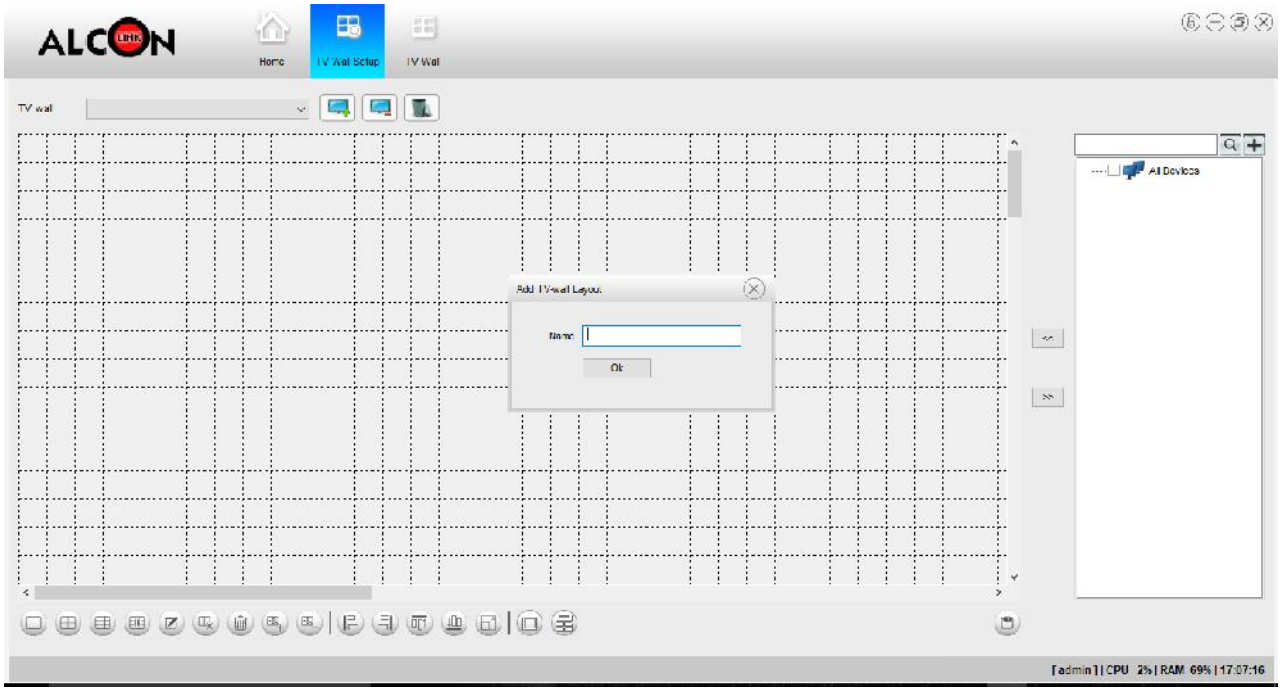


Figure 7.7.1

[Add] Click to add a TV wall layout.

[Modify] Click to modify the name of the selected TV wall.

[Delete] Click to delete the selected TV wall.

TV wall screen adding. As shown in Figure 7.7.2

Figure 7.7.2

Select the ideal number of adding screens (single screen, four screens, nine screens, sixteen screens or custom number). After adding, if the requirements are not met, click [Delete Screen] to delete unnecessary screen after selecting one screen or pressing "Ctrl" to click multiple screens. Click [Clear Screens] to delete all added screens.

[Load Background Picture] User can click to add or replace the background picture.

[Delete Background Picture] User can delete the current background picture.

[Left Justify] Take the first selected TV wall as the benchmark, then left justify selected TV walls.

[Right Justify] Take the first selected TV wall as the benchmark, then right justify selected TV walls.

[Top Justify] Take the first selected TV wall as the benchmark, then top justify selected TV walls.

[Bottom Justify] Take the first selected TV wall as the benchmark, then bottom justify selected TV walls.

[Equal Sizes] Take the first selected TV wall as the benchmark, then select TV walls with equal sizes.

[Joint] select screens bound with decoding output channel and joint them as one whole screen.

[Cancel Joint] Cancel the above joint.

[Save] Click to save the current display plan into the database. This plan will present the layout of TV wall when login or jump to the client next time.

Associated TV wall: As shown in Figure 7.7.3

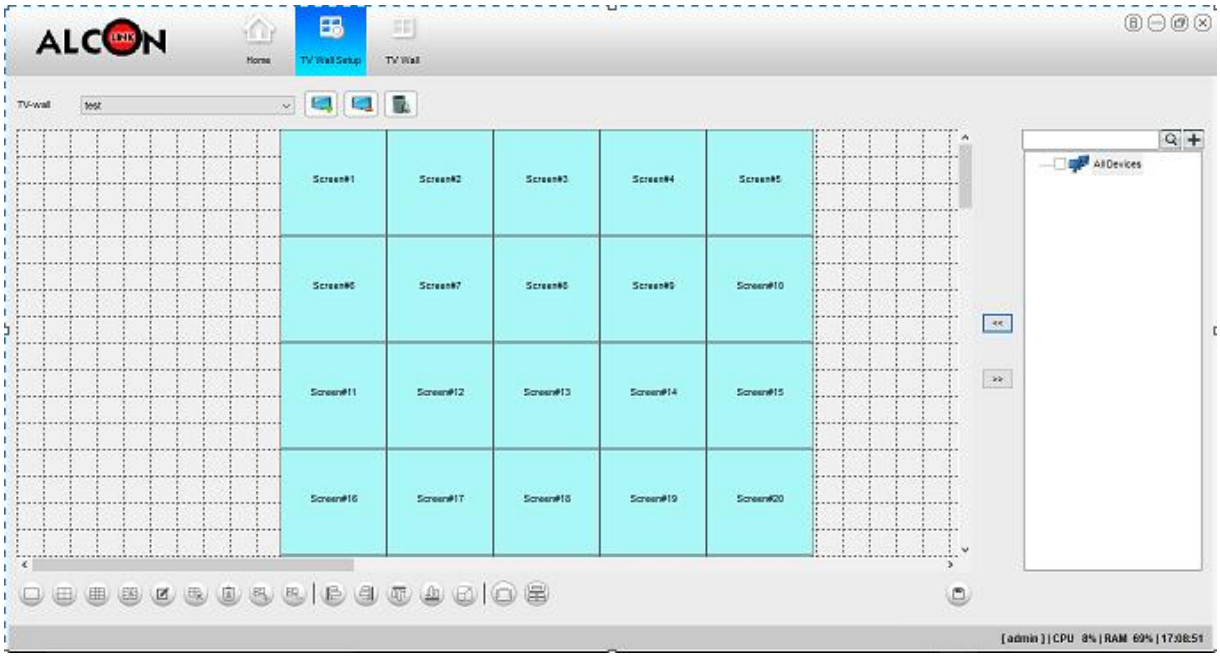


Figure 7.7.3

Select one TV wall screen, then select

the decoding channel on the right decoder tree list to set association. Click

to cancel the association. At last, click [Save] to save all modified configurations.

7.8 TV wall

: Display button of TV wall. Click to display the TV wall page.

Click the TV wall to let the TV wall interface pop out. As shown in Figure 7.8.1.

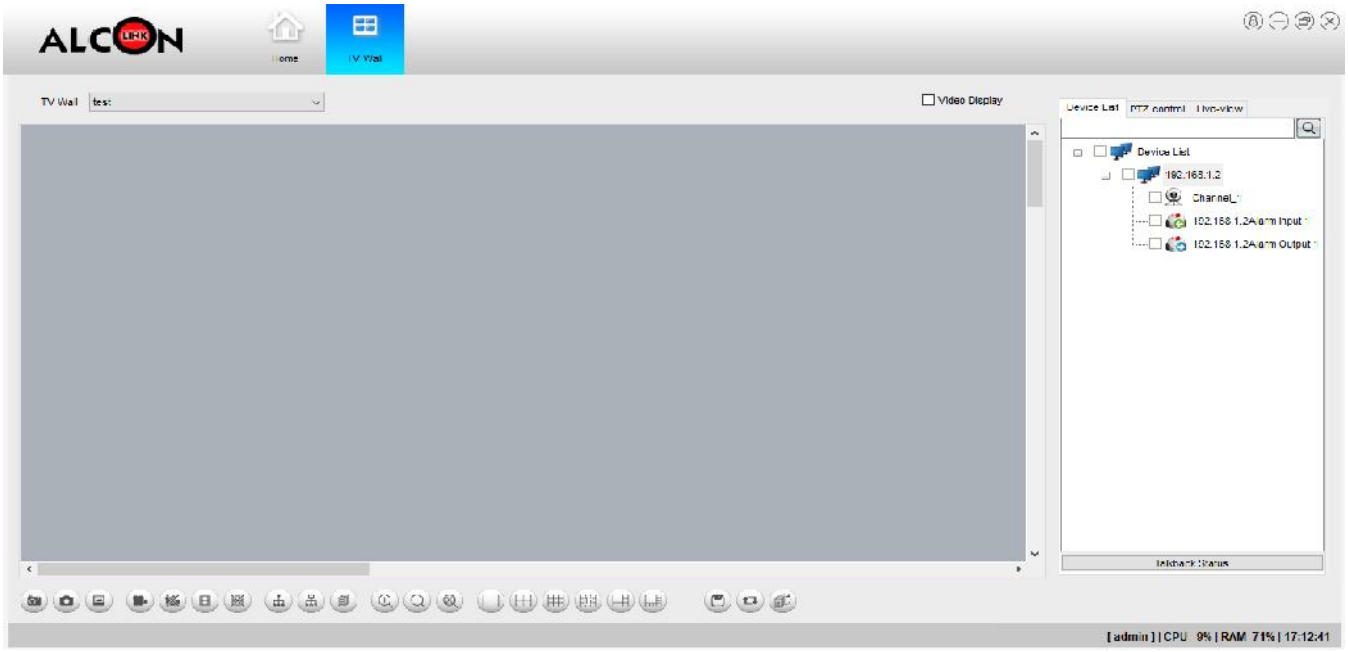


Figure 7.8.1

1. Refer to Section 6.1.5 and 7.7, add and associate the decoders, which is as shown in Figure 7.8.2.

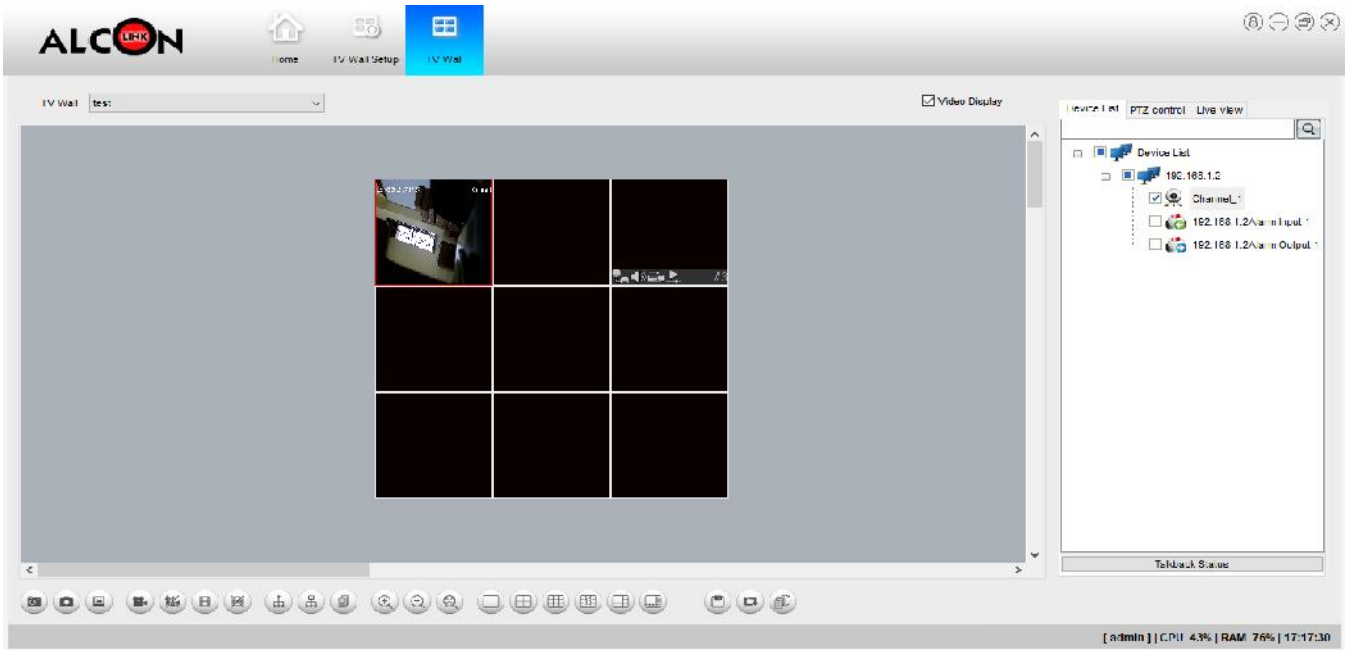


Figure 7.8.2

2. Right-click the TV wall to have the following menu:

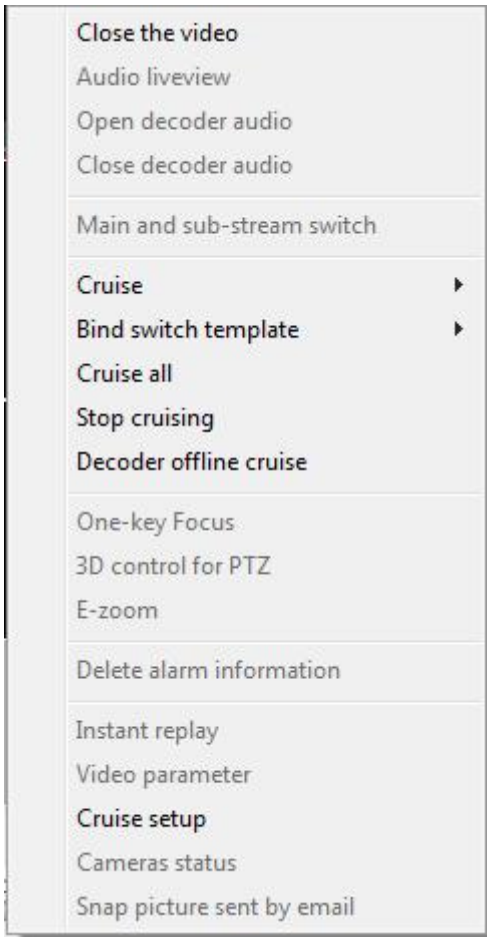


Figure 7.8.3

If [Decoder Offline Switching] is selected, the TV wall will be in offline switching status and the channel video cannot be associated, so this term can be canceled for a while. Then drag channels to be associated in to decode on the wall.

[Turn off Video], [Browse Audio], [Turn on Decoder Audio], [Turn off Decoder Audio], [Switch Major and Minor Stream], [Full Screen Display], [Reset Display], [Status Column], [Monitor Switch], [All Monitor Switch], [Stop All Monitor Switch], [One-key Focus], [Fastball 3D Control], [Turn on Soft Decoding], [System Lock Down], [Clear Alarm Prompt], [Instant Playback], [Video Parameters], [Switching Setup], [Monitoring Point Status], [E-mailing Screenshot]. Refer to video preview-video preview widow's context menu for these menu functions.

[Decoder Offline Switching] The TV wall is being offline switched if this term is selected; the TV wall is not being offline switched if this term isn't selected.

3. Click

to add TV walls after selecting the TV wall configuration . Name these walls as TV wall 1, TV wall 2 and TV wall 3, then order them according to numbers in the drop-down box under TV wall name. As shown in Figure 7.8.4.

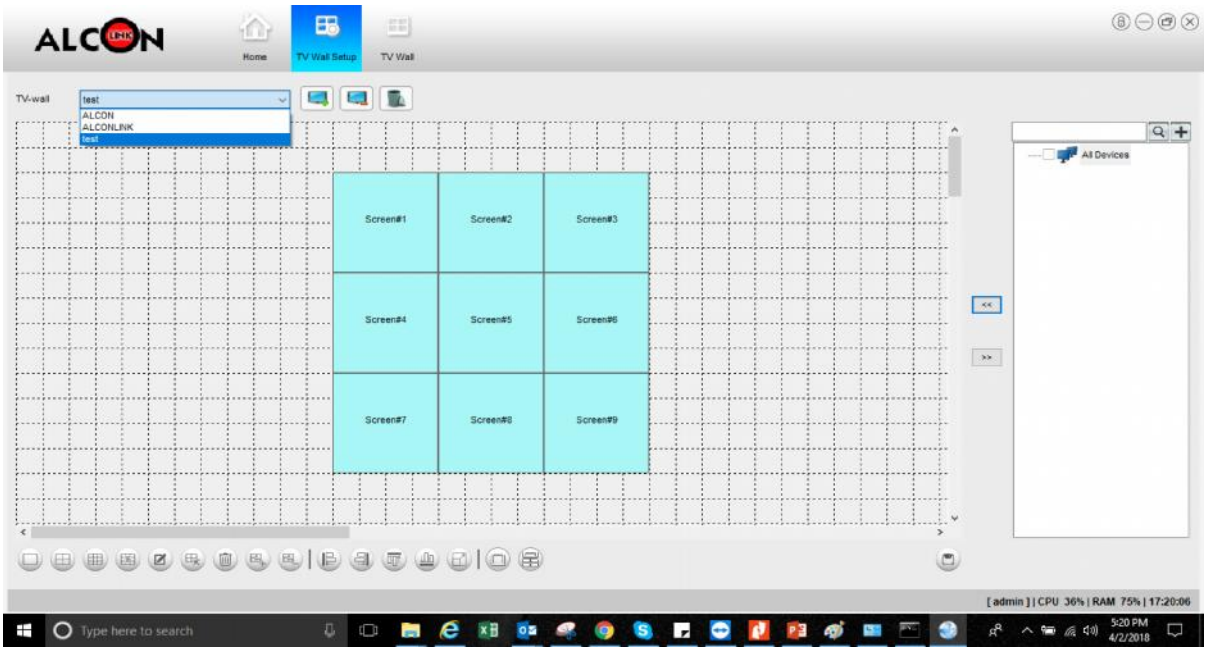


Figure 7.8.4

4. Alarm linkage TV wall output: After adding TV walls, select

on the homepage, then select [Linkage TV Wall] before selecting the name and input number of the selected TV wall. As shown in Figure 7.8.5

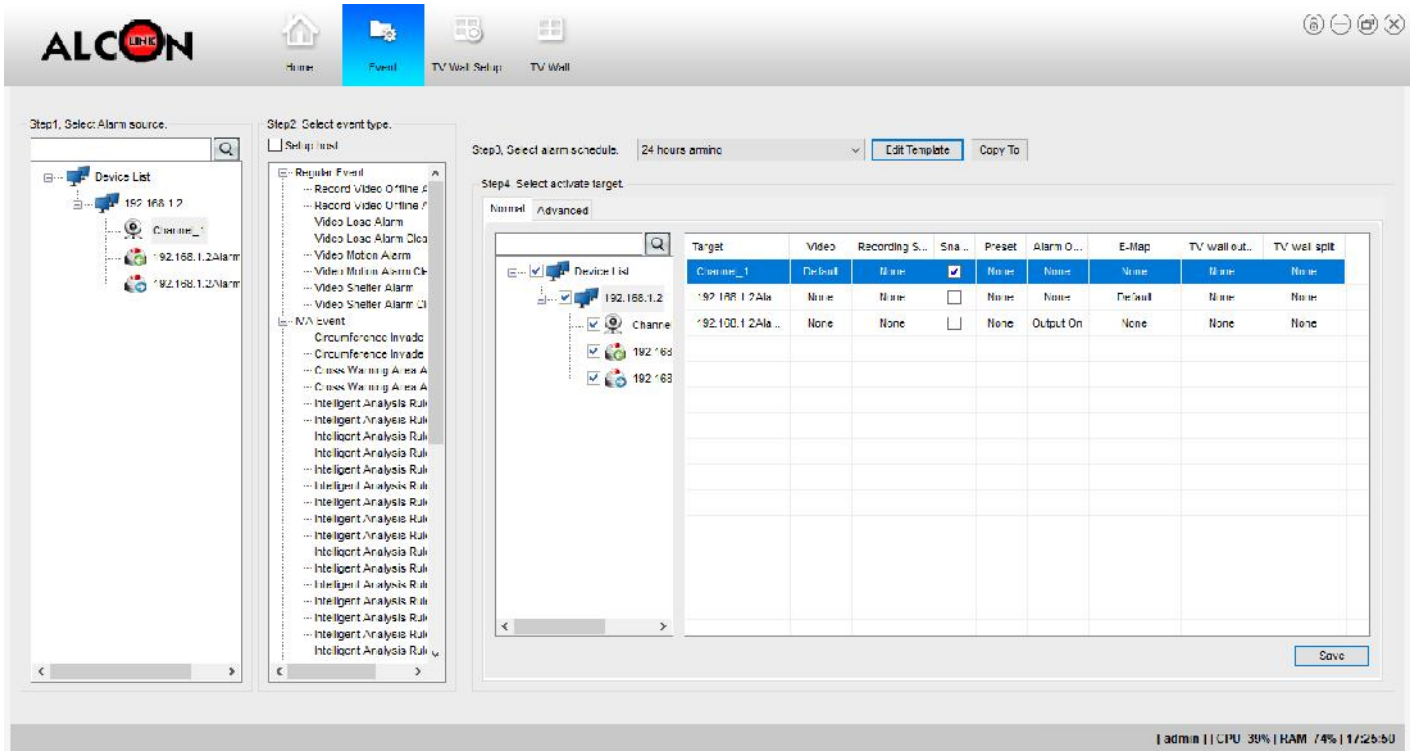


Figure 7.8.5

7.9 Offline switching setup

: Offline switching setup display button. Click to display the offline switching setup page.

Click [Offline Switching Setup] to enter decoder's offline switching interface. As shown in Figure 7.9.1

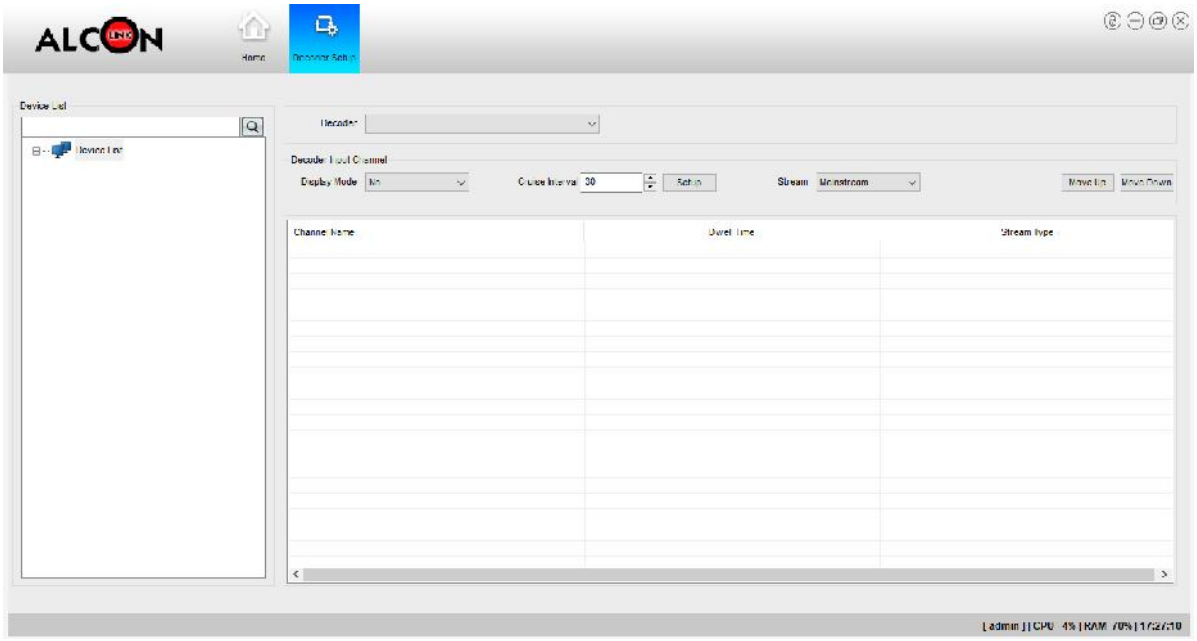


Figure 7.9.1

The user can have the decoder's output to display with multiple screens as needed.

1) Set steps for output pictures: Firstly add [Decoder] (refer to Section 6.1.1.4), select [Decoding Output Channel] and [Display Mode], set [Switching Retention Time] and select [Stream Type]. Drag the channel node on the left device list into the split screen picture appeared below (login the decoder), and the dragging order shall be the order of this decoding output switching. (Note: the added encoding device's IP must be filled in, including the encoding device using middleware proxy, so the channel of this device can be added into decoder's offline switching list; when the decoder is being offline switched, the video can be connected only when the decoder successively connects the device in switching list.) As shown in Figure 7.9.2.

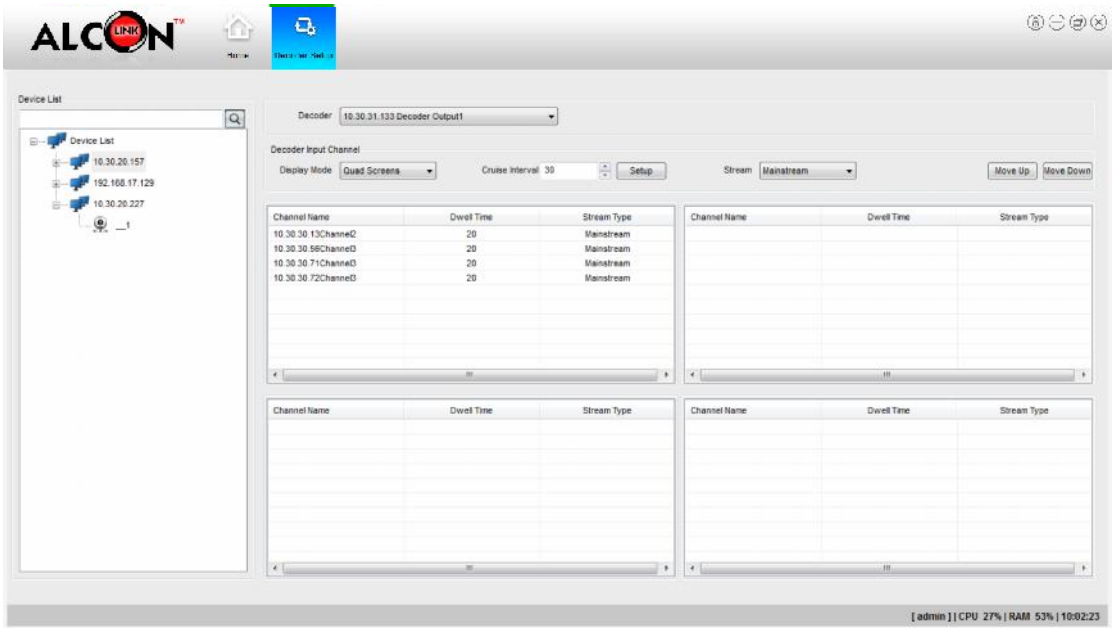


Figure 7.9.2

2) Modify retention time of switching interval: Select any channel of monitor numbers needed to be modified, modify the time in [Switching Interval] and click [Setup].

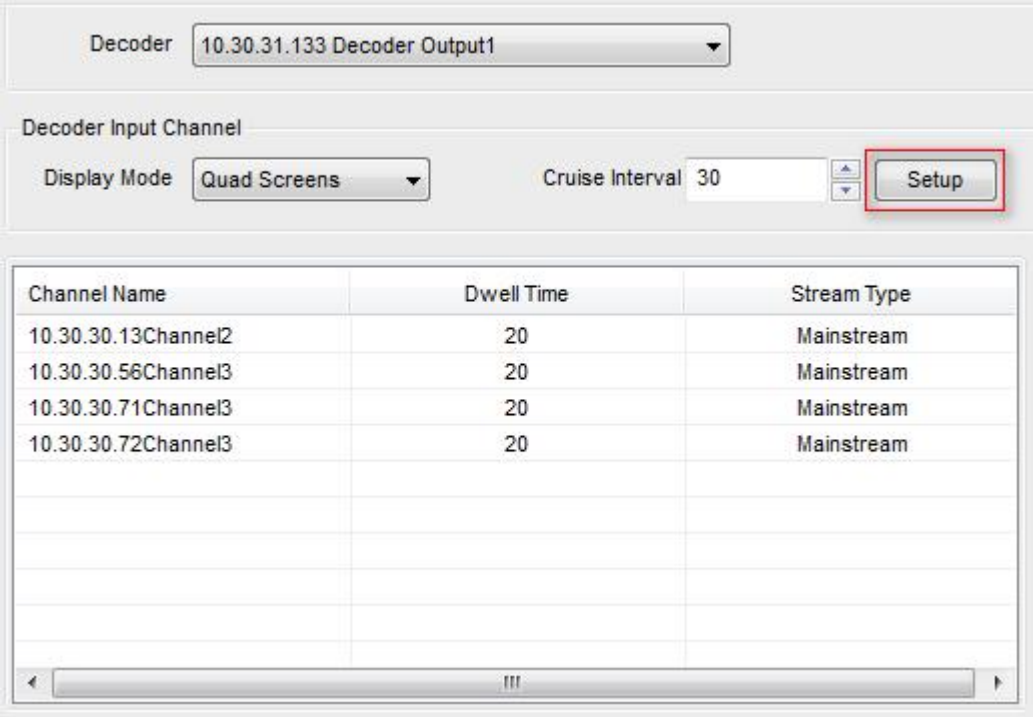


Figure 7.9.3

Offline switching and stopping: Right-click monitor number needed to be switched, then select [Offline Switching] in the popped menu; when [Offline Switching] is selected, select again to stop the offline switching.

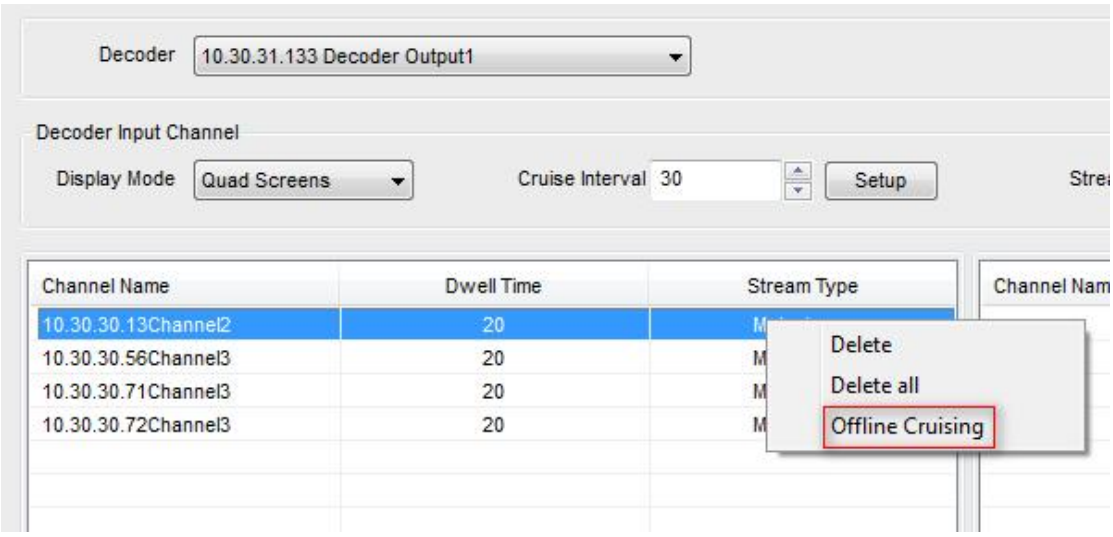


Figure 7.9.4

In this popped menu, the selected channel can be deleted or all channels under this monitor number can be deleted (delete after the offline switching stops).

Change the split screen for picture of decoding output by changing [Display Mode]. As shown in Figure 7.9.5

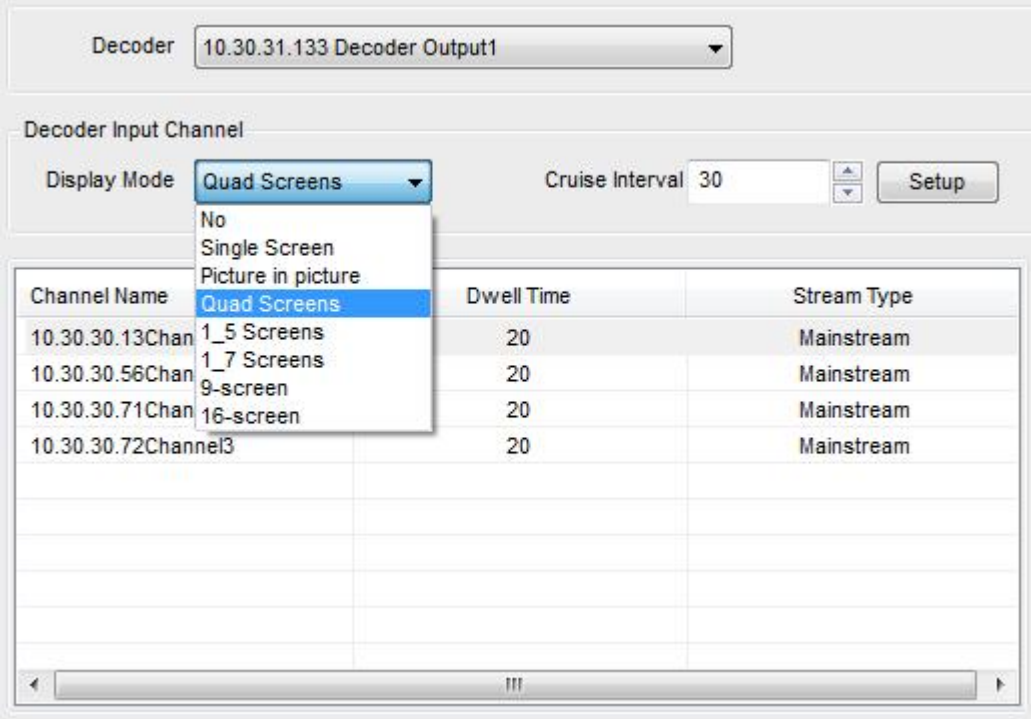


Figure 7.9.5

[Move up] and [Move Down]: When the decoding output displayer stopping the offline switching, change the offline switching order for the monitor number. Method: Select one channel for certain monitor number (before offline switching), click [Move Up] or [Move Down] to change the positions of switching order.

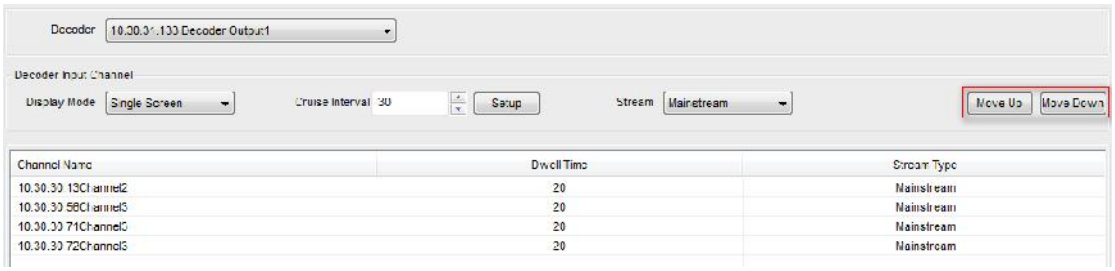


Figure 7.9.6

7.10 Keyboard management

Right-click the icon at the lower right corner of Windows taskbar, select [keyboard management] or find it from the start menu and click to start the [keyboard management] software, which is as shown in Figure 7.10.1.

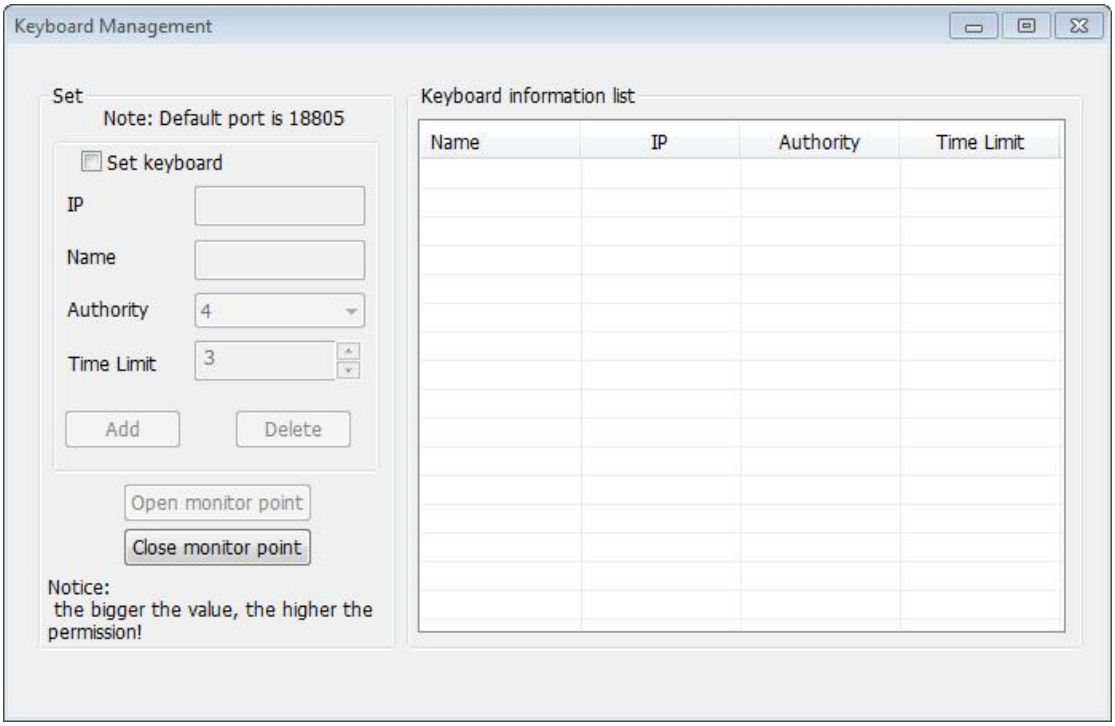


Figure 7.10.1

Keyboard management is used to add the front-end video device of keyboard control; set the IP address, name, authority, time interval of the keyboard at first; the authority has 8 levels: Level 1 is the lowest and Level 8 is the highest, when one same device is controlled by multiple keyboards at the same time, the high level has priority, and only after the keyboard control with high level exits and the time set by "keyboard time interval" passes, the keyboard with low level can access the control right. After setting, click and add "add keyboard" to the keyboard list information, the keyboard information of the selected list can be deleted by clicking "delete keyboard". The device can only be controlled by keyboard by "opening monitoring port"

7.11 Standalone playback apparatus

1. Select at [Start] of the system, which is as shown in Figure 7.11.1:

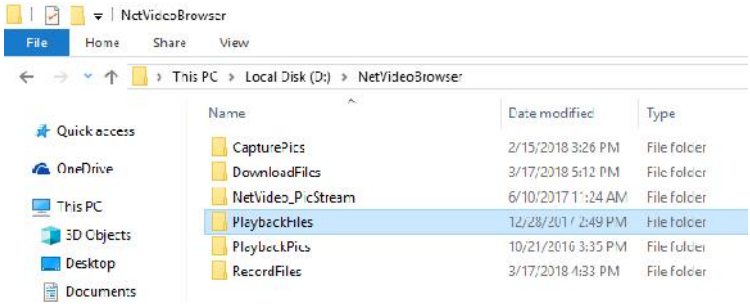


图 7.11.1

Figure 7.11.1

2. Select [Playback Apparatus] in the installation menu to turn on the independent playback apparatus, which is as shown in Figure 7.11.2.

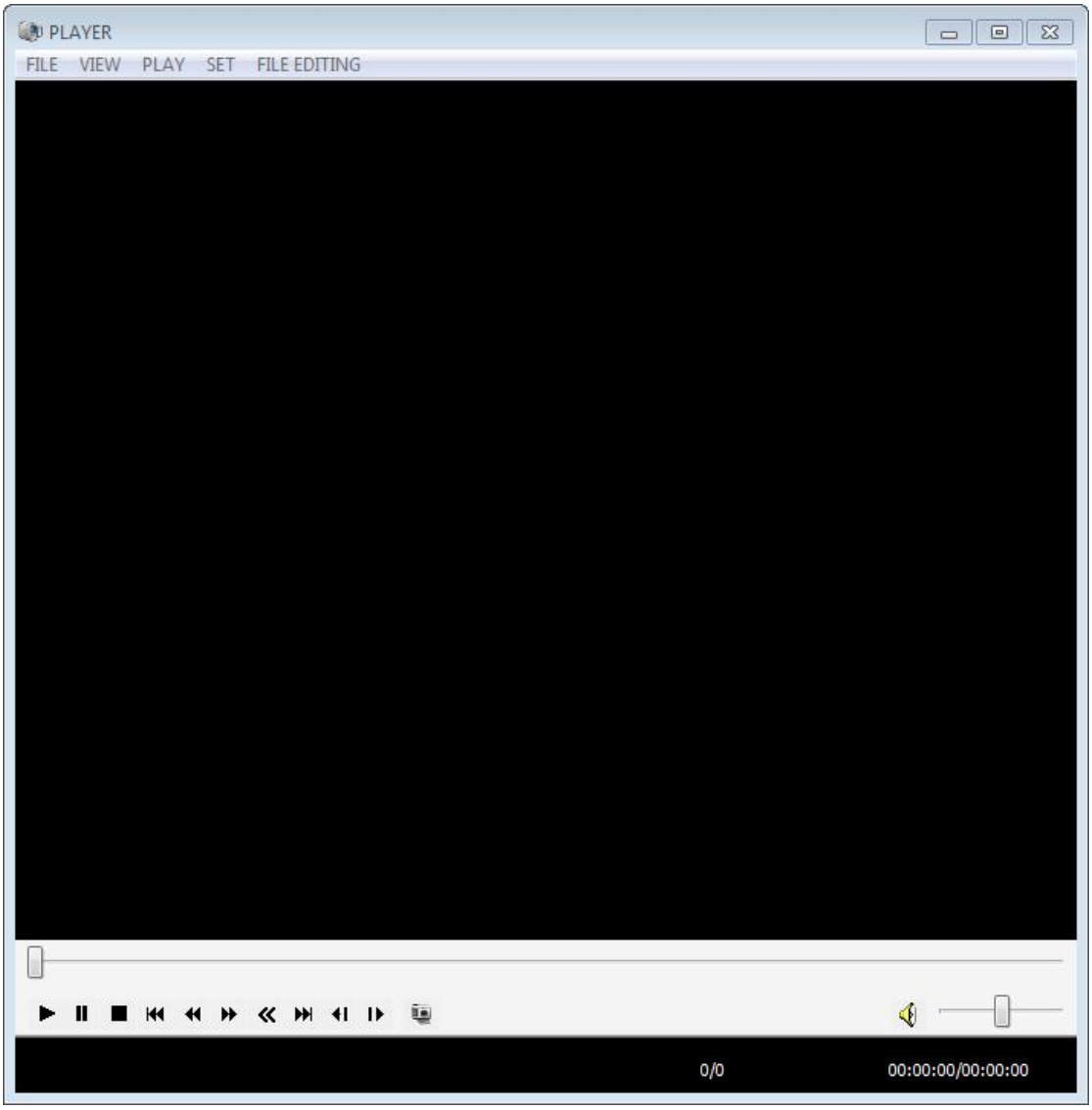


Figure 7.11.2

3. Drag the recording to the play window of playback apparatus to automatically play, which is as shown in Figure 7.11.3.

Figure 7.11.3

7.12 Guard configuration

: Guard configuration display button. Click to display the guard configuration page.

Click [Guard Configuration] to enter the guard configuration page, which is as shown in Figure 7.12.1

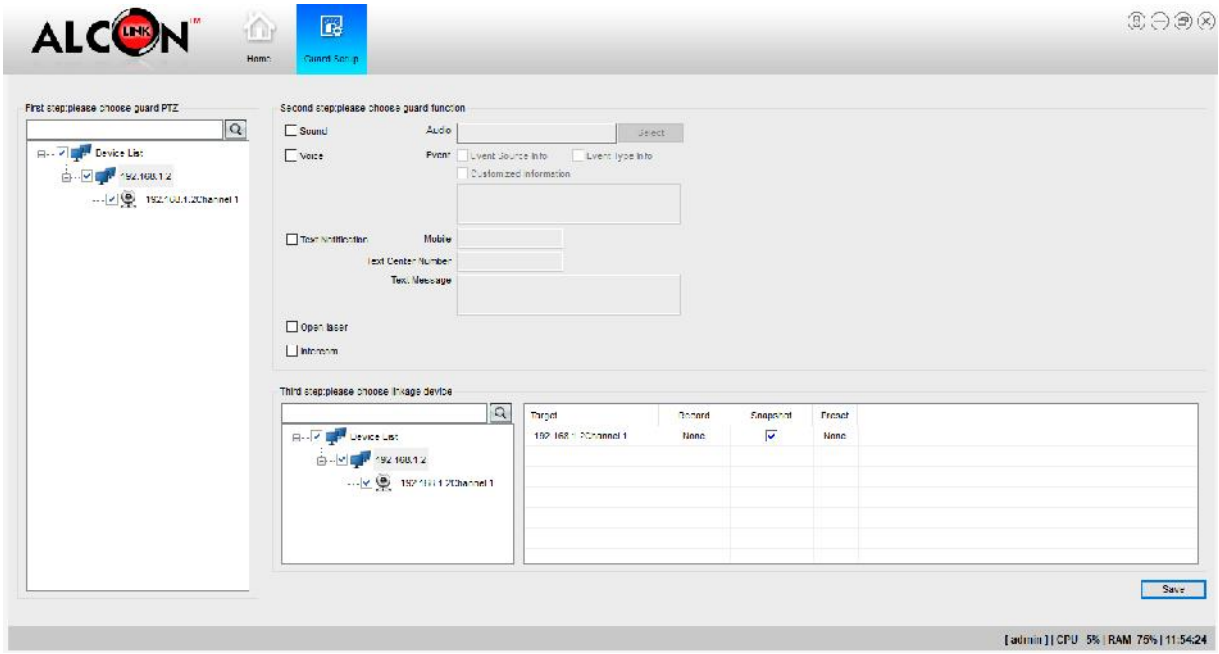


Figure 7.12.1

Select the left spherical alerter and the guard function, the user can customize and configure the guard function, then associate the device and click [Save] to save the relevant configurations, which is as shown in Figure 7.12.2

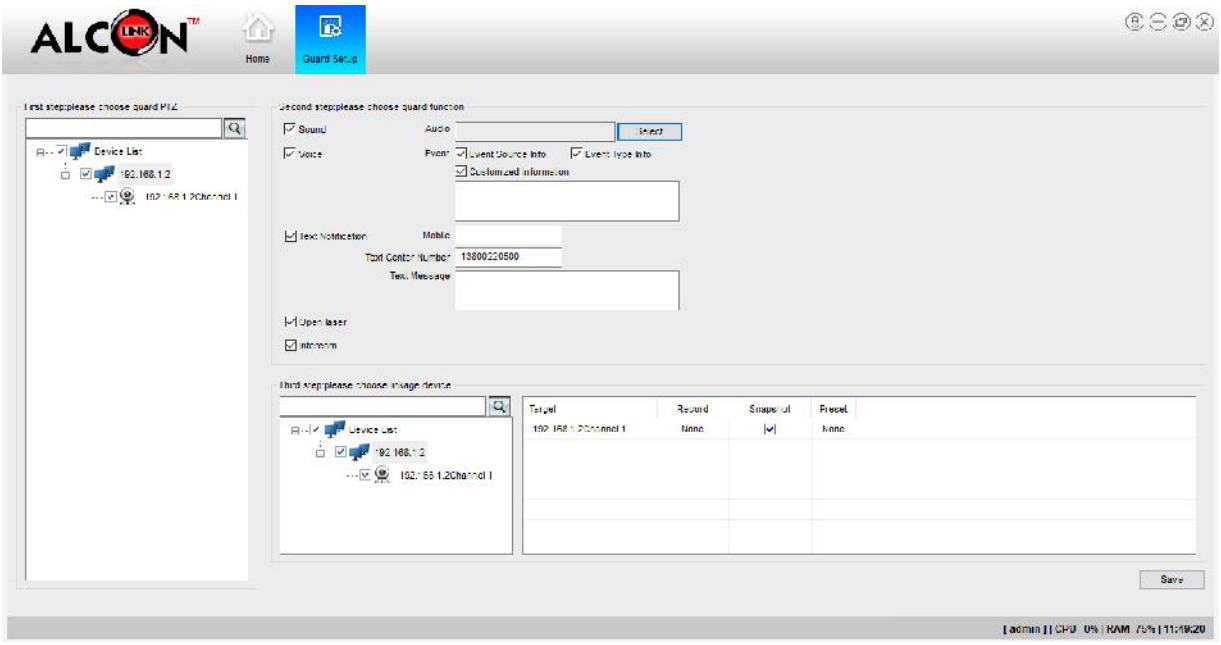


Figure 7.12.2

7.13 Guard

: Guard display button. Click to display the guard page.

Click [Guard] to enter the guard page, which is as shown in Figure 7.13.1

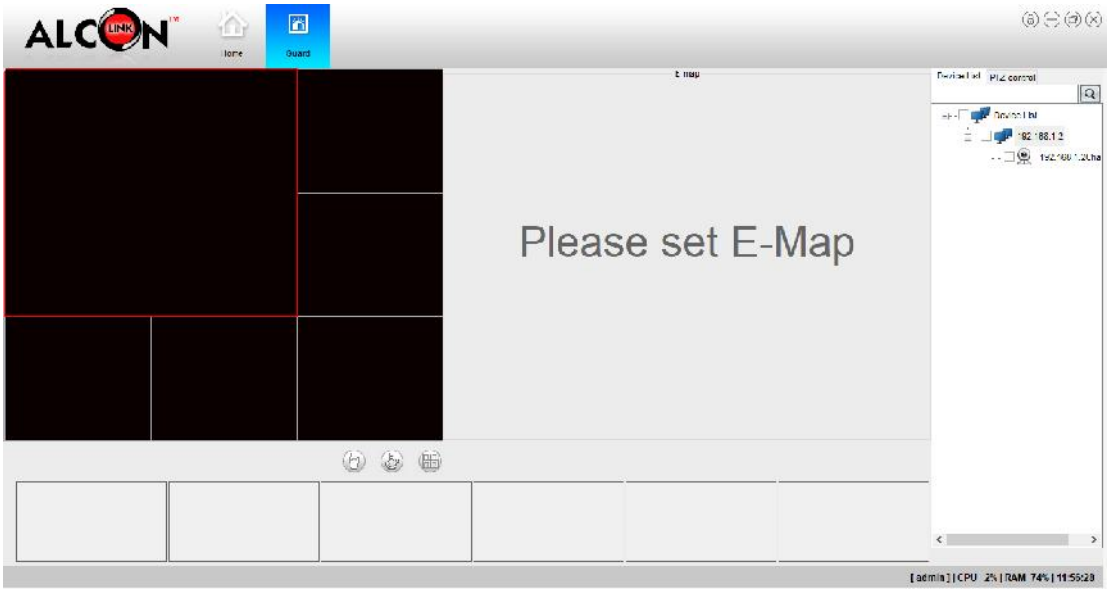


Figure 7.13.1

Set the map and corresponding monitoring point on the electronic map, then select the set monitoring point on the right device list of guard page to check this monitoring point's video and operate talkback, laser and all playbacks. As shown in Figure 7.13.2

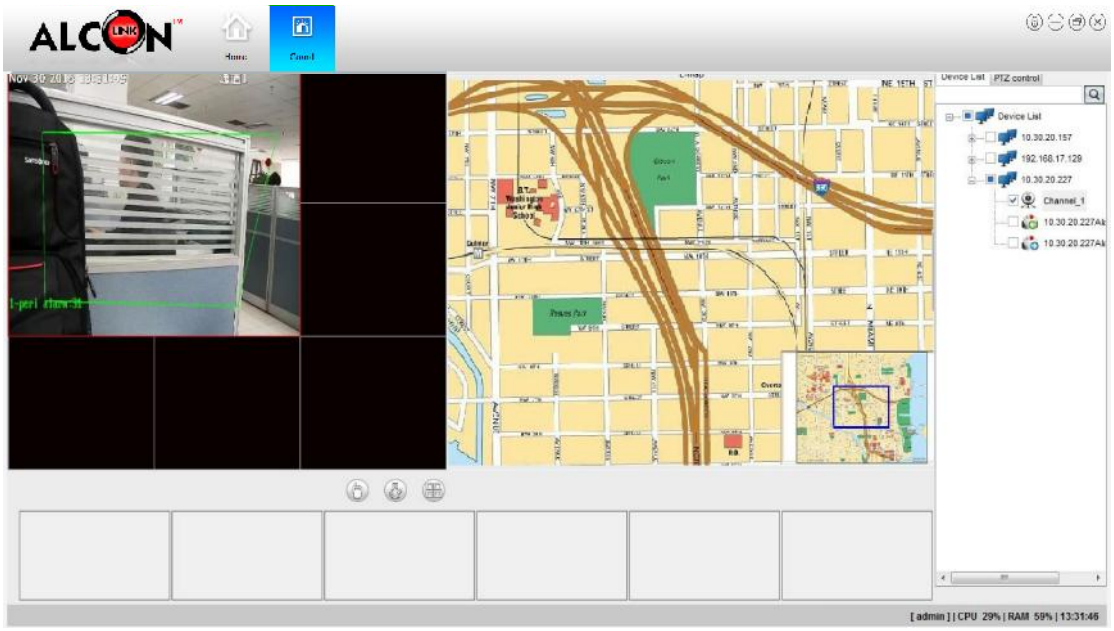


Figure 7.13.2

[Talkback] Turn on/off the real-time talkback with spherical alerter.

[Laser] Turn on/off the laser.

[All Playbacks] Turn on/off the instant playback of spherical alerter.

VIII. Intelligent Analysis Instructions

8.1 Face retrieval

: Face retrieval display button. Click to display the face retrieval page.

Click [Face Retrieval] to enter the face retrieval page, which is as shown in Figure 8.1.1

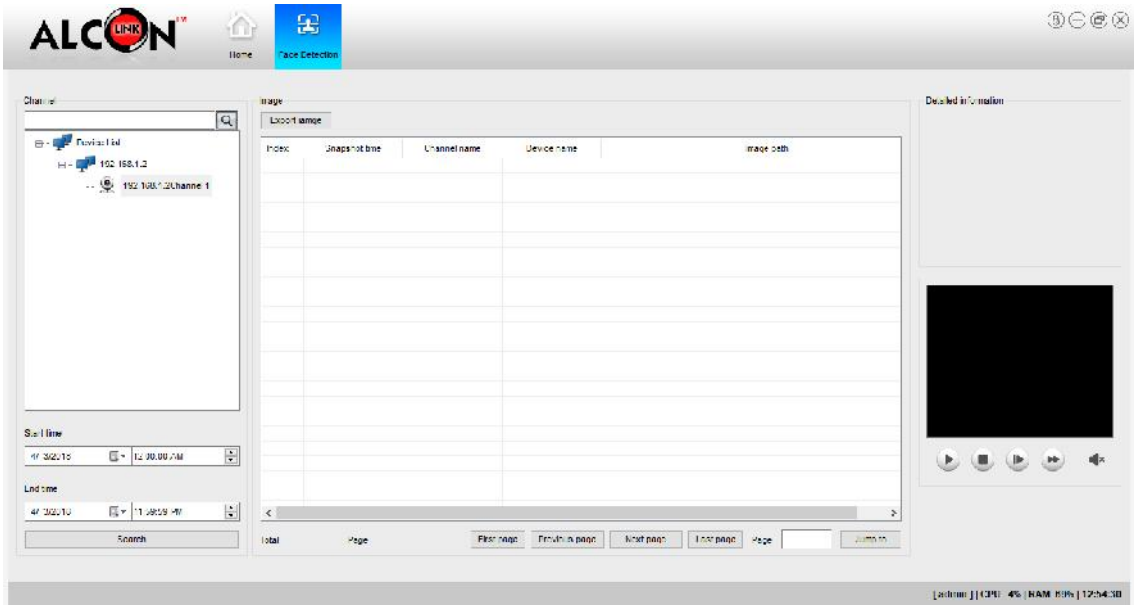


Figure 8.1.1

At this point, the user can select any channel at the left monitoring point and select start/stop time in the lower left corner, then click [Query] to inquire all face snapshots at this monitoring point during this period, so the face snapshots can be seen at the right detailed information after double clicking one record, which is as shown in Figure 8.1.2

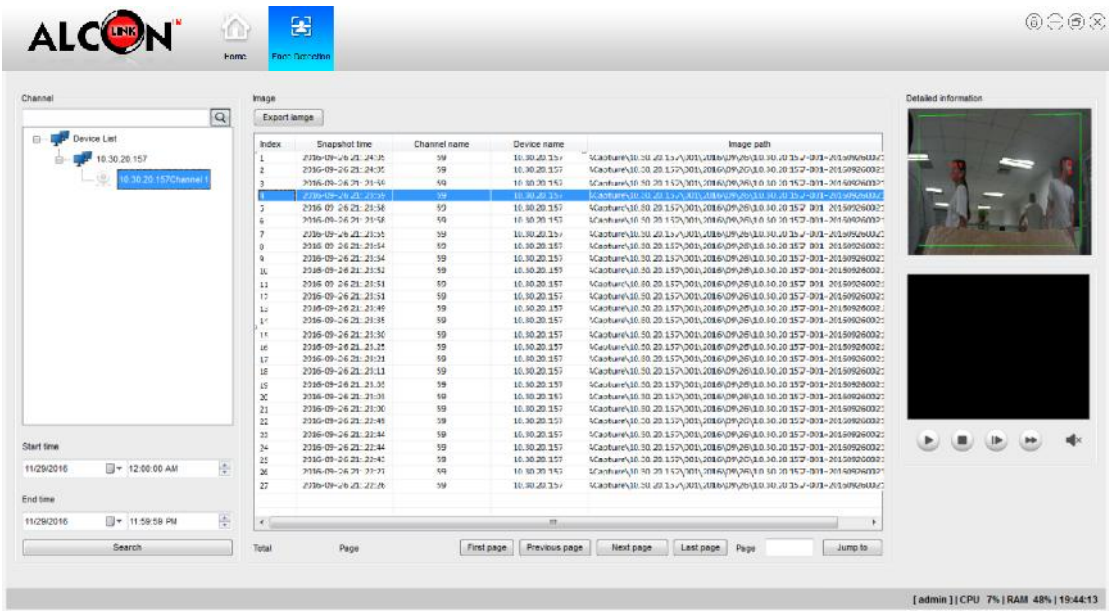


Figure 8.1.2

8.2 Face snapshot

: Face snapshot display button. Click to display the face snapshot page.

Click [Face Snapshot] to enter the face snapshot page, which is as shown in Figure 8.2.1

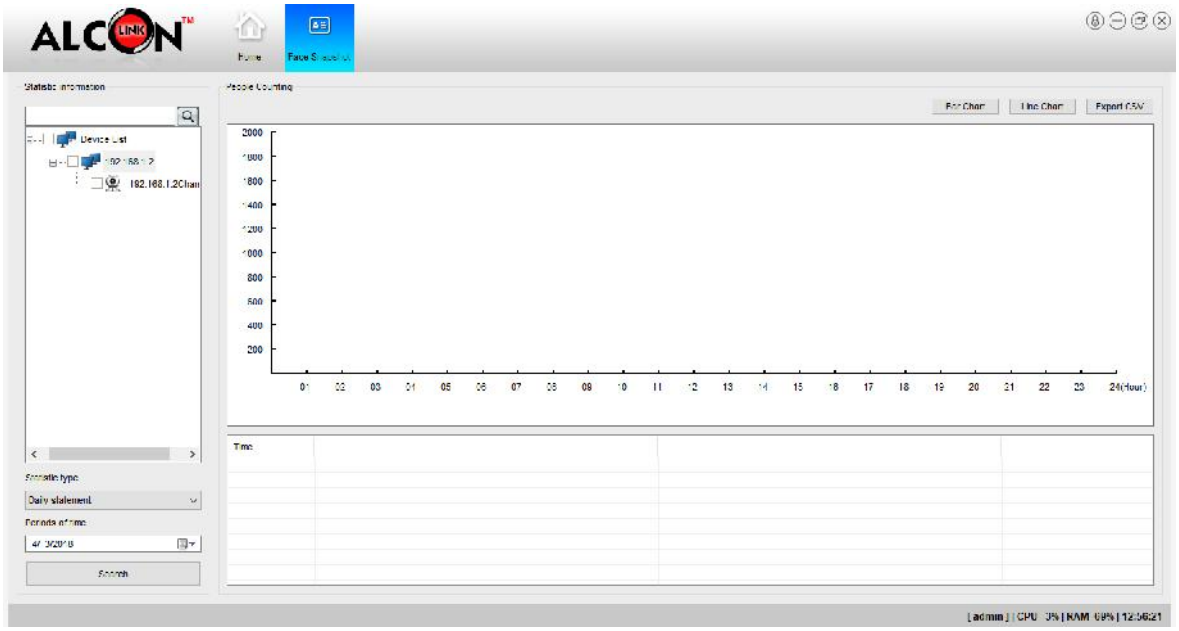


Figure 8.2.1

Set the left statistical conditions, select the channel to be inquired and statement types, set the time period and click the query, then the right statistical data and corresponding statistical diagram will be obtained, the column diagram is as shown in Figure 8.2.2

Figure 8.2.2

The broken line graph is as shown in Figure 8.2.3

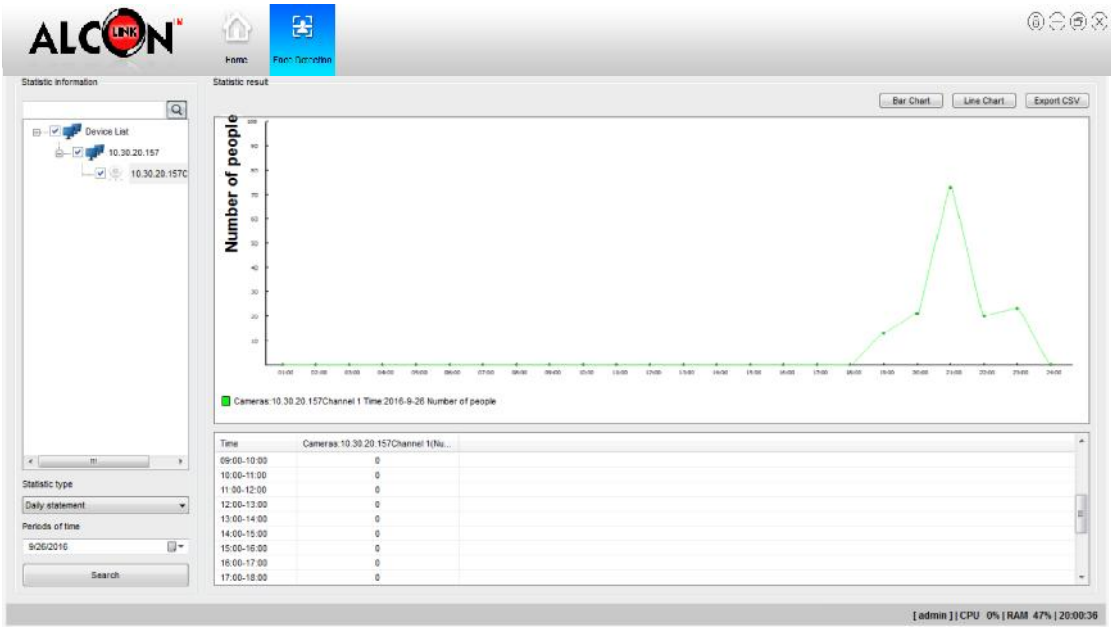
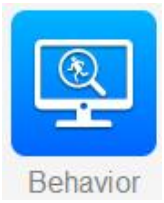


Figure 8.2.3

8.3 Behavioral analysis



: Behavioral analysis display button. Click to display the behavioral analysis page.

Click [Behavioral Analysis] to enter the behavioral analysis page, which is as shown in Figure 8.3.1

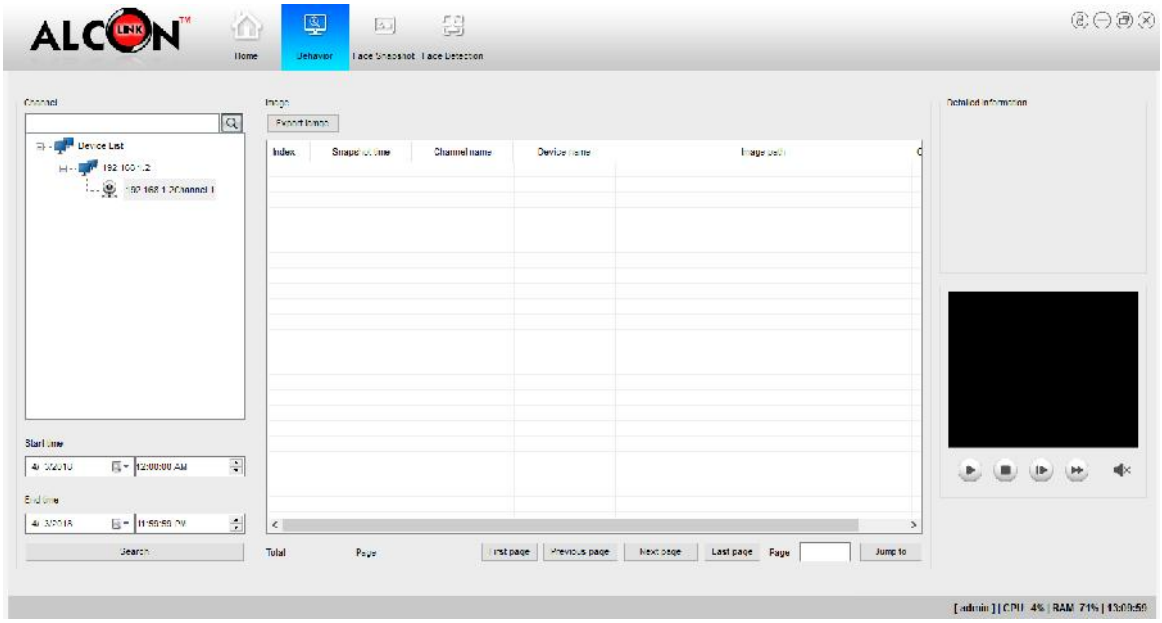


Figure 8.3.1

At this point, the user can select any channel at the left monitoring point and select start/stop time in the lower left corner, then click [Query] to check the behavioral analysis snapshots at this monitoring point during the corresponding period, so the behavioral analysis linkage snapshots can be seen at the right detailed information after double clicking one record, which is as shown in Figure 8.3.2

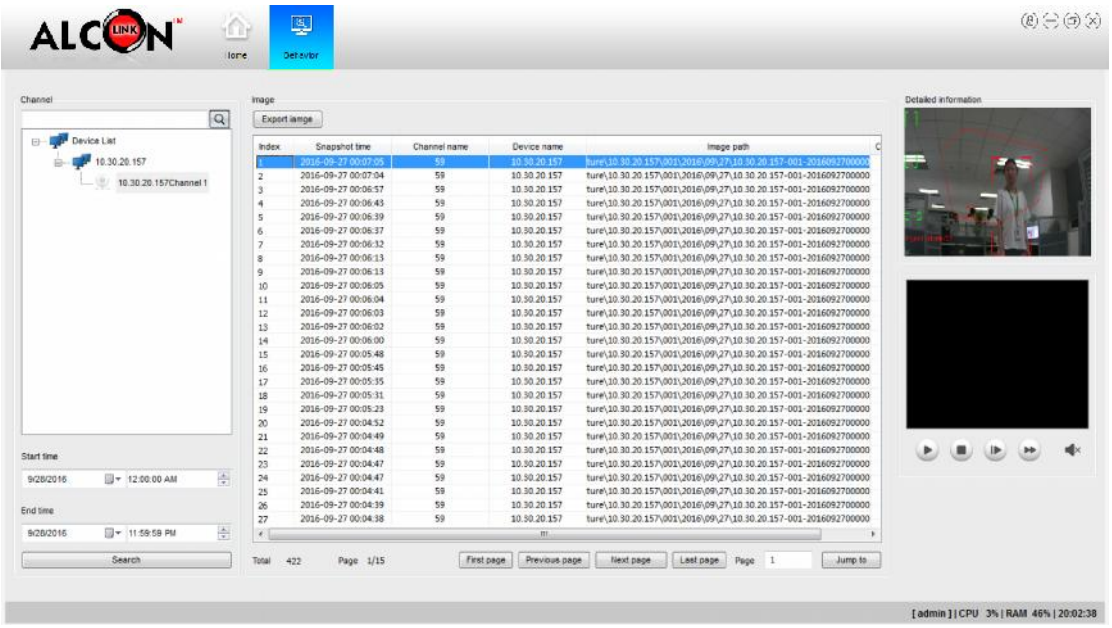


Figure 8.3.2

8.4 Cross-line Counting

: Cross-line counting display button. Click to display the cross-line counting page.

Click [Cross-line Counting] to enter the cross-line counting page, which is as shown in Figure 8.4.1

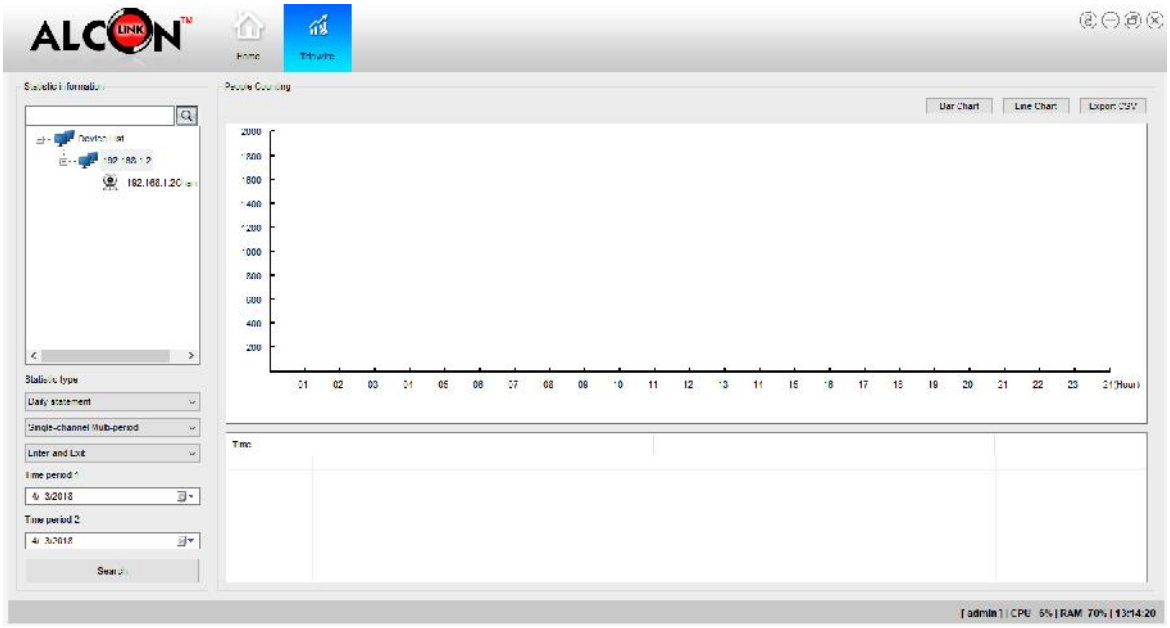


Figure 8.4.1

At this point, the user can select any channel in the left monitoring point and select statement type, single channel/multiple periods, cross-line type and time period in the lower left corner, then click [Query] to check the cross-line counting and corresponding statistical diagram of this monitoring point in corresponding period, the column diagram is as shown in Figure 8.4.2

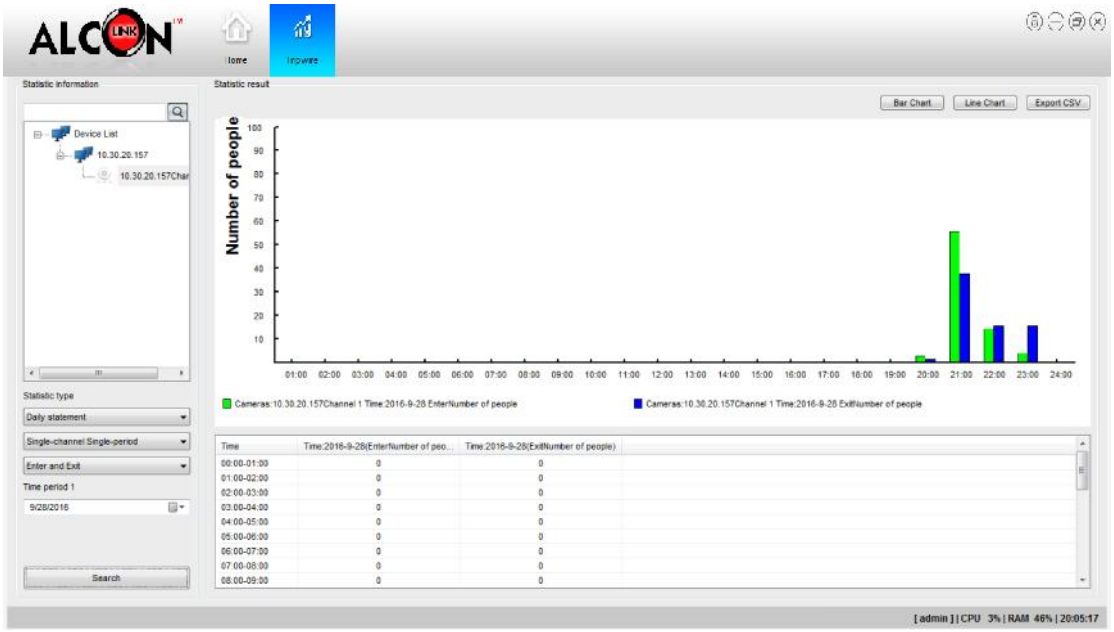


Figure 8.4.2

The broken line graph is as shown in Figure 8.4.3

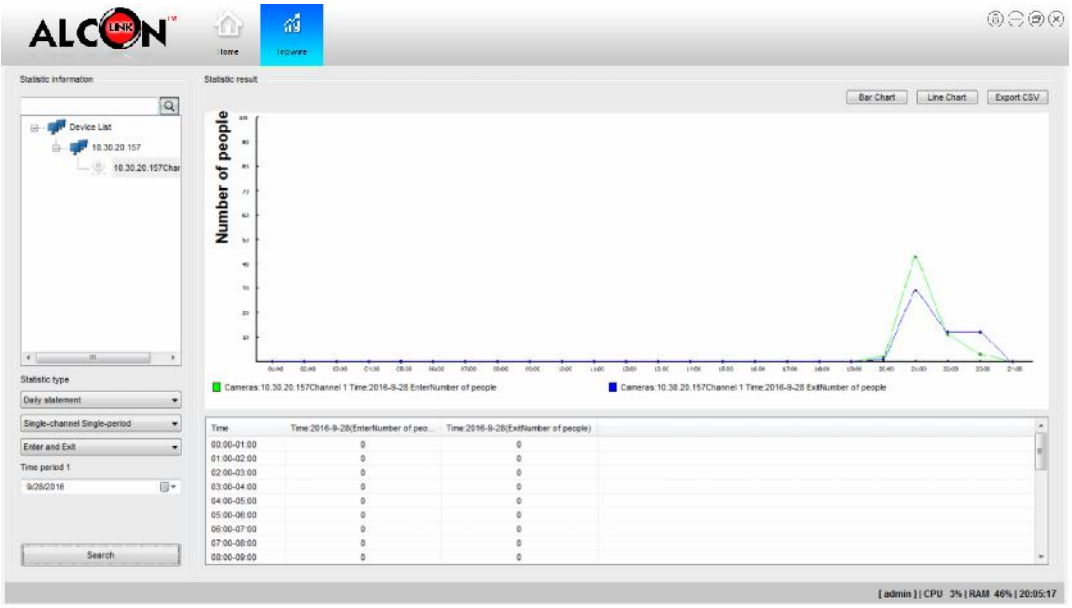


Figure 8.4.3

8.5 Passenger flow

: Passenger flow display button. Click to display the passenger flow page.

Click [Passenger Flow] to enter the passenger flow page, which is as shown in Figure 8.5.1

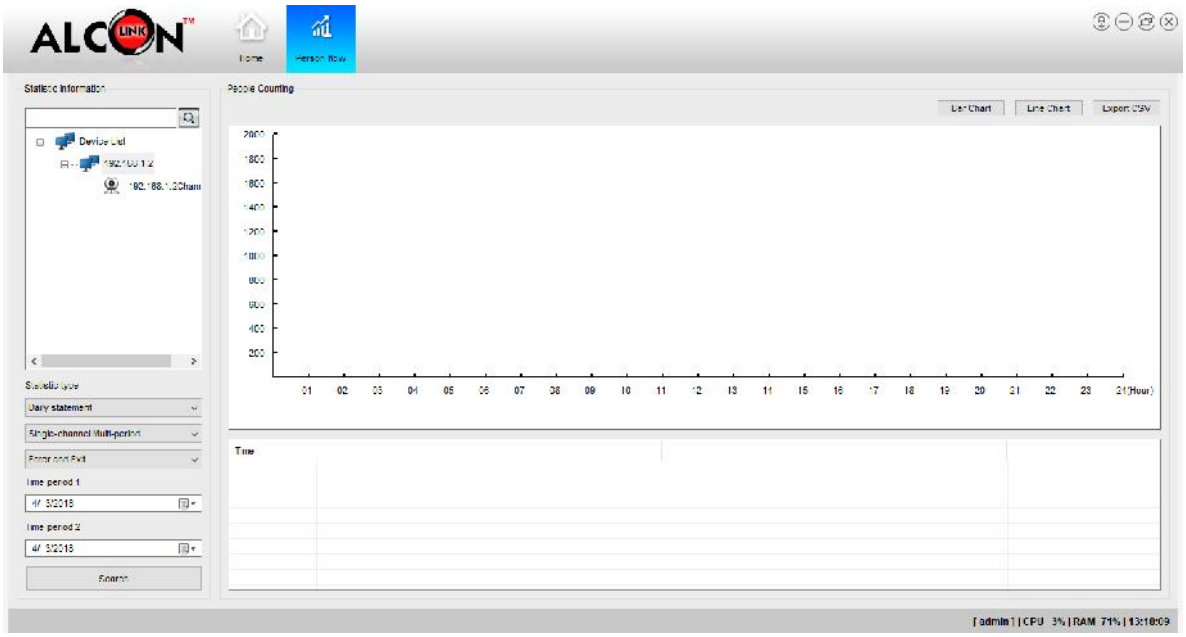


Figure 8.5.1

At this point, the user can select any channel in the left monitoring point and select statement type, single channel/multiple periods, cross-line type and time period in the lower left corner, then click [Query] to check the passenger flow and corresponding statistical diagram of this monitoring point in corresponding period, the column diagram is as shown in Figure 8.5.2

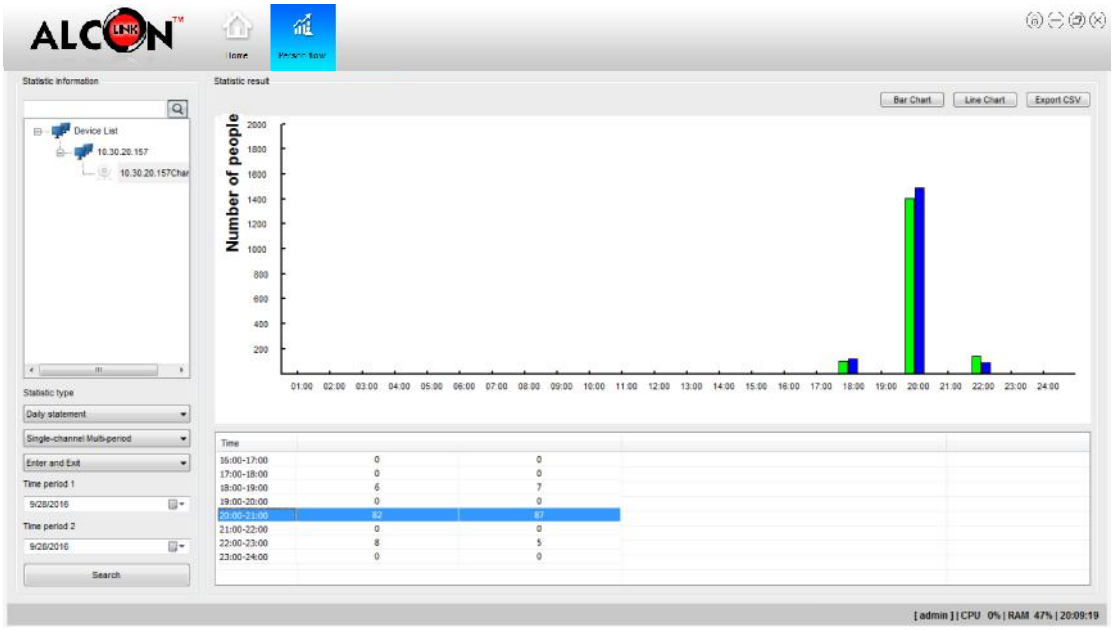


Figure 8.5.2

The broken line graph is as shown in Figure 8.5.3

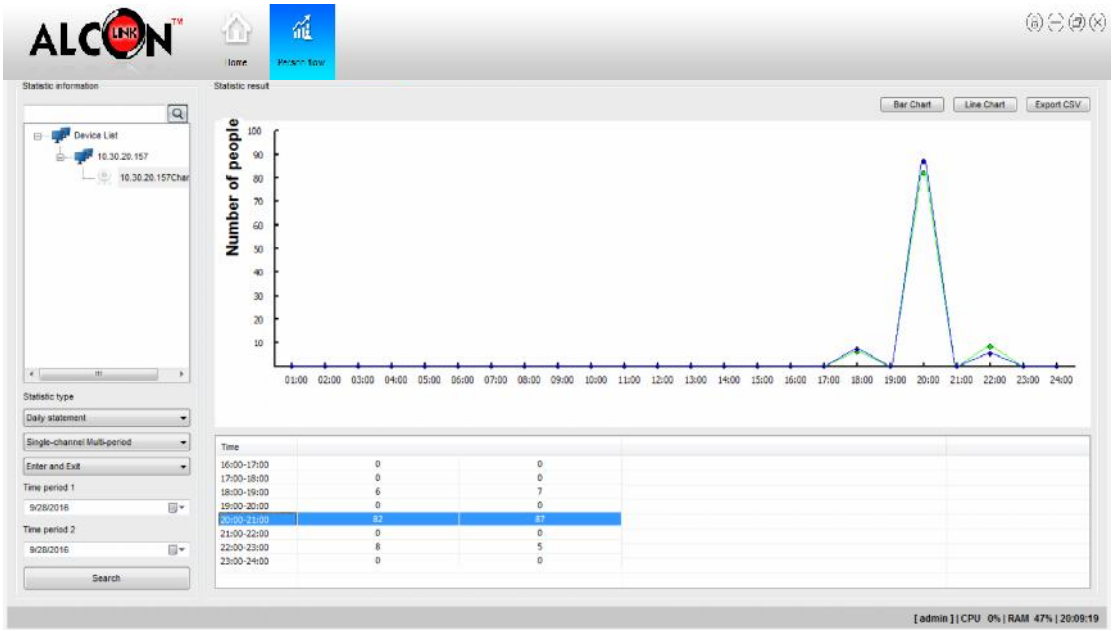


Figure 8.5.3