

DSS Manager User's Manual (Base)

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Welcome

Thank you for using our software!

1 GENERAL INTRODUCTION

In this chapter, you will find:

Heading	Content
1.1 Glossary	Introduce the term definition concerning this user's manual.
1.2 Overview	Introduce DSS (Digital Surveillance Software) system overview.
1.3 Network Connection	Network structure, environment and etc.
1.4 Environment	Server and manager client-end environment requirement

1.1 Glossary

English Abbreviation	Full Name	Definition
CMS	Central Management Server	System management, server management, operation realization, system allocation and storage policy implement.
MTS	Media Transfer Server	Audio/video data transfer, support stream media.
SS	Storage Server	Audio/video data central storage, playback and front-end record playback.
DMS	Device Management Server	Device configuration, PTZ control, device alarm receive and send out.
ARS	Auto Registration Server	It is to support the device of auto registration function. It is for the device that does not have the fixed WAN IP to connect to the server.
VMS	Video Matrix Server	It is to manage the decoder to output the TV signal to the video wall.
CU	Operator Client-end	Monitor key operation. real-time monitor, PTZ control, record playback, monitor plan and alarm activation.
MU	Manager client-end	Device management, user name management, user group management, organization management, system management, system log and running status.

1.2 Overview

DSS (Digital surveillance software) is monitor software of strong function. It embedded multiple-window, multiple-user. It supports audio talk, E-map of multiple-level, alarm centre. DSS is compatible with other extension devices. It has high reliability, friendly user interface, high flexibility and sound expansibility.

The DSS platform can connect to various devices or models (such as DVR, IPC, NVS, MCD, NVR, SVR and etc).

DSS supports the following devices: DVR, NVS, IPC, MCD, NVR, SVR and IPS series.

This manual is for Manager client-end only.

1.3 Network Connection

Please refer to the network connection sample. See Figure 1-1.

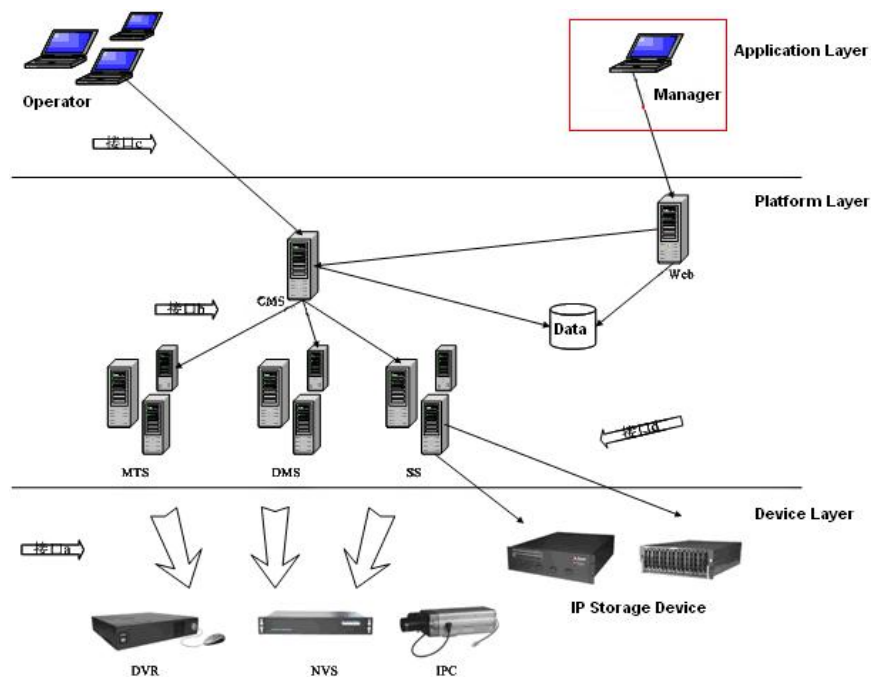


Figure 1-1

1.4 Environment

1.4.1 Server

Hardware

- ① CPU E5620(4-core)@2.40Hz
- ② Memory 8G
- ③ HDD 120G free capacity (This HDD can not be used as the storage HDD)
- ④ 1000M Ethernet dual network cards

Software

- ① Microsoft Windows 2003 Advanced Server Enterprise version, 4G or higher version, SP2.
- ② Internet Explorer 7.0

1.4.2 Manager Client-end

Hardware

- ① CPU Core 2 Duo 3.0
- ② Memory 2G
- ③ HDD 10G free capacity
- ④ 100M Ethernet card

Software

- ① Microsoft Windows XP SP3
- ② Internet Explorer 7.0

2 Log in

In this chapter, you will find:

Heading	Content
2.1 Preparation	Something you need to know before log in the DSS.
2.2 Log in	Introduce DSS log in steps.

2.1 Preparation

Before you log in, please make sure:

- PC and encode device connection is right.
- Storage media is working properly and has completed the HDD synchronization.
- DSS server and encode device network connection is O.K.
- DSS service has booted up.
- There is no other software or management platform in the encode device.

2.2 Manager Login

There are two ways for you to log in.

Input the following address in the IE address column:

<http://serverIP/>

The serverip is your web server IP. System default port is 80.

The click Enter button, you can go to an interface shown as in Figure 2-1.

The other way is double click the DSS Manager icon in the desktop and then you can see an interface is shown as in Figure 2-1.

It includes three options:

- Download the plug-in
- Operator login
- Admin login



Figure 2-1

Please input user name, password and authentication code to log in.

Default user name is system, password is 123456.

The main interface is shown as in Figure 2-2.

Note:

- Before log in, please make sure the platform server has booted up.
(Tomcat\CMS\DMS\MTS\SS\ARS\VMS)
- For security reasons, please modify the password after you first logged in.

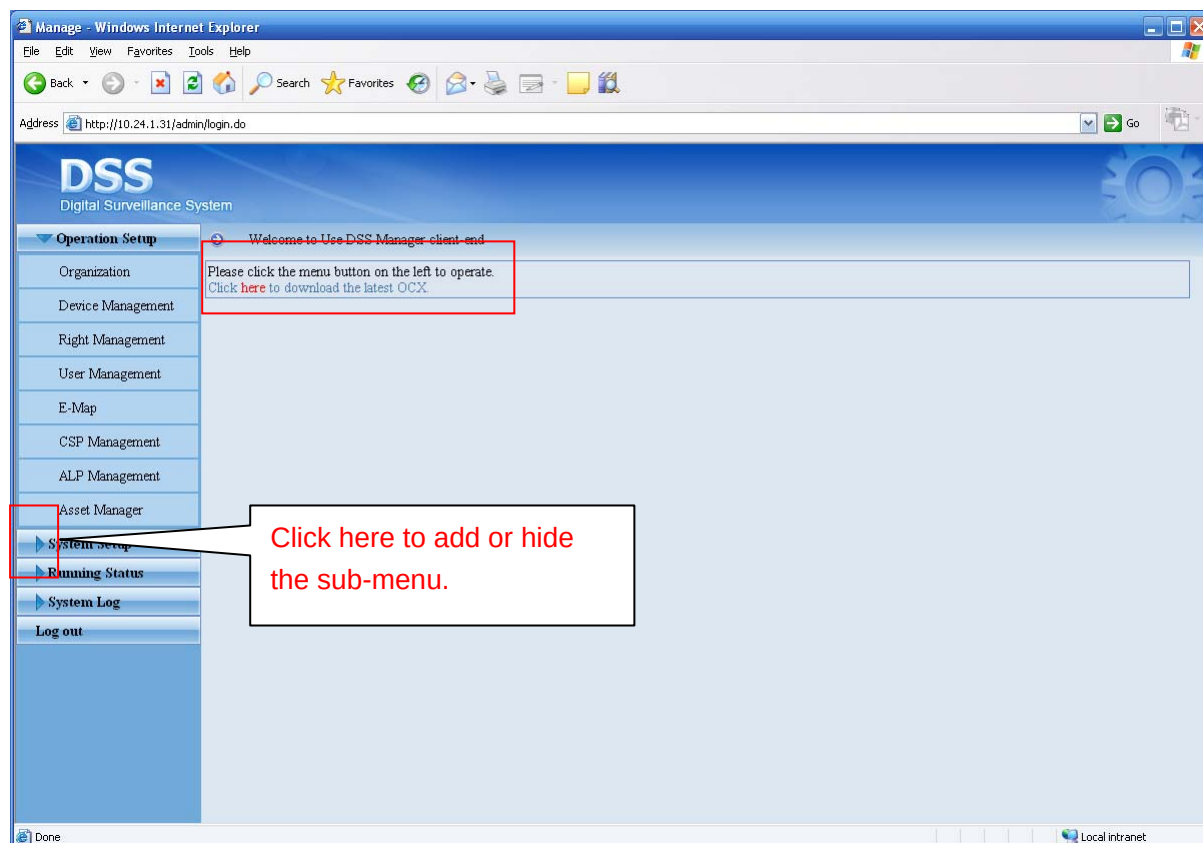


Figure 2-2

If it is your first time to log in, system may pops up a dialogue box asking you to install the plugin.

In Figure 2-2, you can click here button to download the latest OCX.

System pops up the following dialogue box for you to install. See Figure 2-3.



Figure 2-3

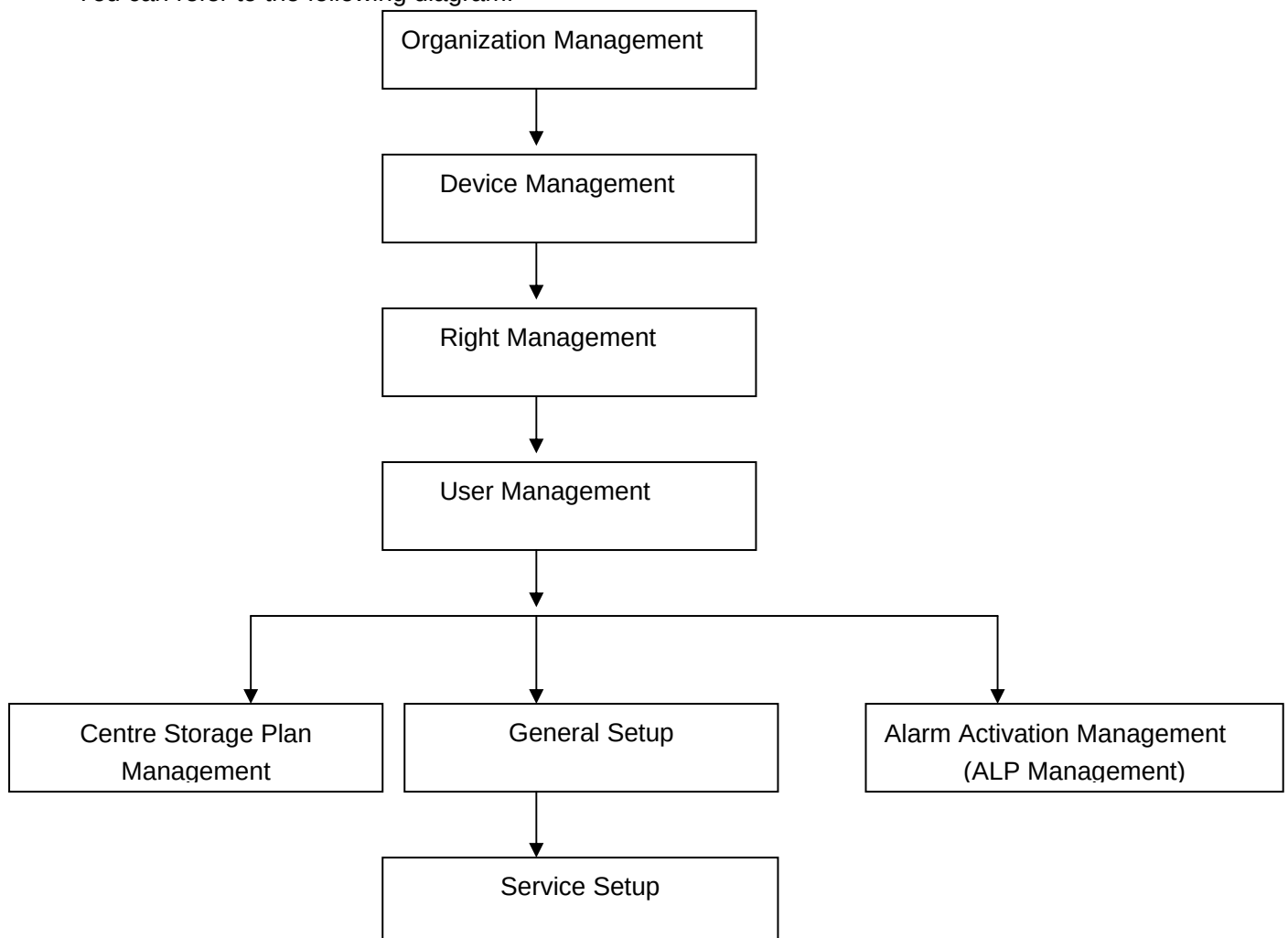
3 SYSTEM CONFIGURATION

In this chapter, you will find:

Heading	Content
3.1 General Introduction	DSS system general introduction
3.2 Management Setup	It includes organization, device management, right management, user management, e-map, ALP management, CSP management, asset management.
3.3 System	It includes general setup, service setup and update management.
3.4 Running status	It includes device status list, decoder status list, user status list, server status list.
3.5 System log	It includes system log, alert information, operator log, and encode state log.
3.5 Log out	Log out DSS.

3.1 General Introduction

You can refer to the following diagram.



- Organization management: You can set the corresponding organization structure according to the whole monitor system so that you can manage easily.
- Device management: it is for you to add encoder (DVR, IPC, NVS, MCD, NVR, SVR) , decoder (NVD,SNVD) and video wall.
- Right management: It is to set the corresponding rights for the manager and the operator.
- User management: It is to add, remove or lock the user account and set the corresponding right groups. For the client-end, there are two levels: manager and operator. These two levels are not merely distinguished in the account but in the group it belongs to. If current account is the manager account, it can login the manager client-end. If current account is the operator account, it can login the operator client-end.
- ✧ Manager client-end has the following rights: device management, user management, service setup and etc.
- ✧ Operator client-end has the following rights: monitor video, playback record, PTZ control and etc.

Note:

One account can have the above two-level at the same time. For this kind of account, it can log-in in these two interfaces. See Figure 3-1 and Figure 3-2.

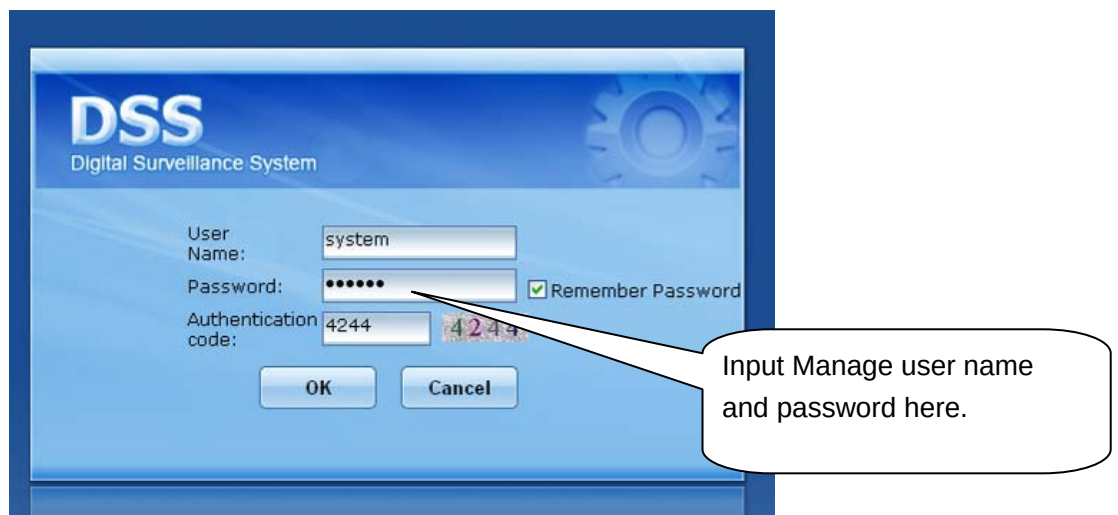


Figure 3-1

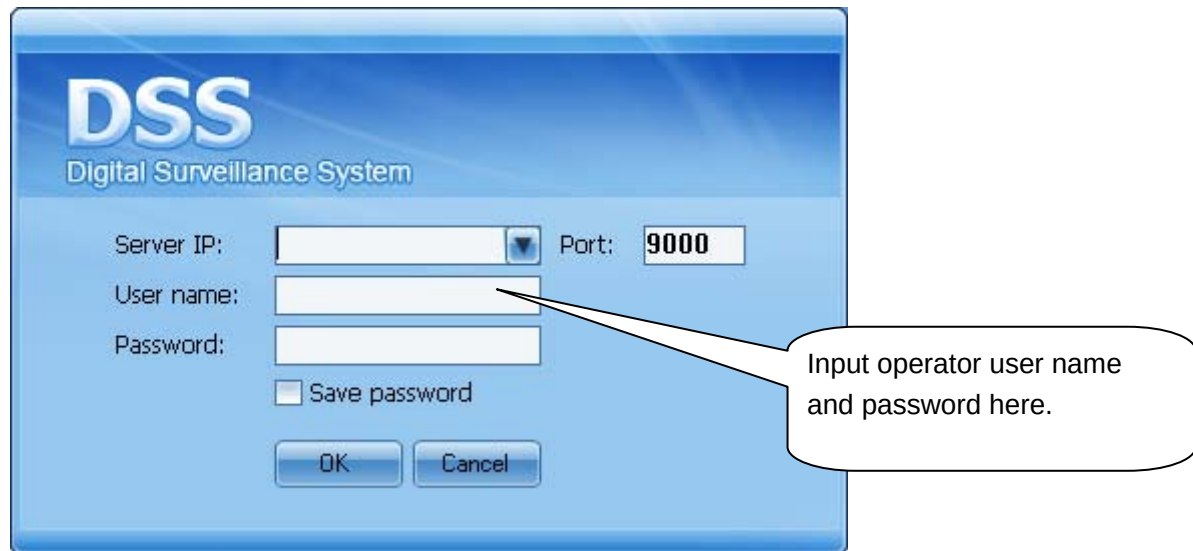


Figure 3-2

- E-map: It is to set, modify, display the region information and e-map nodes status position and etc.
- Centre storage plan management (CSP management) it is for centre platform to storage the data from the front-end and auto storage to the redundant array of independent disks.
- Alarm linkage management (ALP management): When there is an alarm from front-end device, the corresponding camera in the front-end can begin auto record (alarm activates the centre to record). The activation alarm includes external alarm, video loss alarm, motion detection alarm and camera masking alarm.
- Asset management: It is to categorize the device name, manufacturer, position, working status, corresponding management person..
- General setup: Set CMS server, auto-number, compulsive I frame, synchronization setup, log save time, alarm information, Web server and DDNS.
- Service setup: Set median transfer server (MTS), storage and playback (SS), device management server (DMS), video matrix server (VMS). Mobile media transfer service (MMTS), auto register service (ARS), protocol transfer proxy service (PCPS).
- Upgrade service management: it is to control and manage client-end upgrade. The operator can automatically updates to the latest version after the client-end upgraded.
- System log: Memory system running and operation log.
- Device status list: It is to view front-end is online or not, and view its corresponding platform basic information.
- User status list: You can view current user is online or not.
- Decoder status: Display all decoders' statuses.

3.2 Operation Setup

Operation setup is the first step of system initialization. It is also an important part of the system management. It includes the following eight sections. See Figure 3-3.

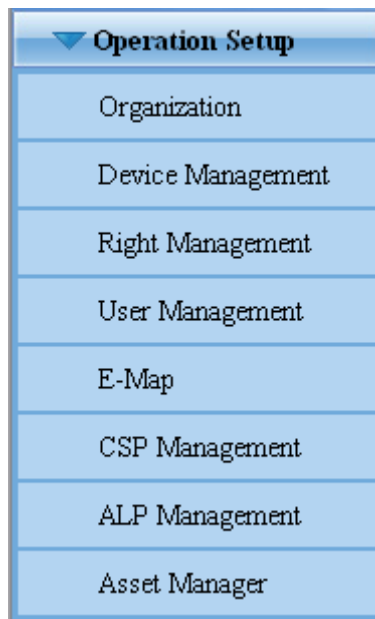


Figure 3-3

3.2.1 Organization

In Figure 3-3, click **Organization** button, you can go to the following interface. See Figure 3-4.

System default root name is root.

In organization management, you need to nest the management layer one by one and the last child node shall set according to the device actual position. Usually, one zone or one department is nested in one group node. System supports max 255 levels.

Operation Setup - Organization		
Name	Erccode	Operation
rcot	001	 
Overseas	001C01	  

Figure 3-4

Edit organization

Click , you can modify the node name and its corresponding information. See Figure 3-5.

Operation Setup - Organization - Detailed information

Node name: Overseas

Description:

OK Back

Figure 3-5

Add organization

Click , you can add a node. See Figure 3-6.

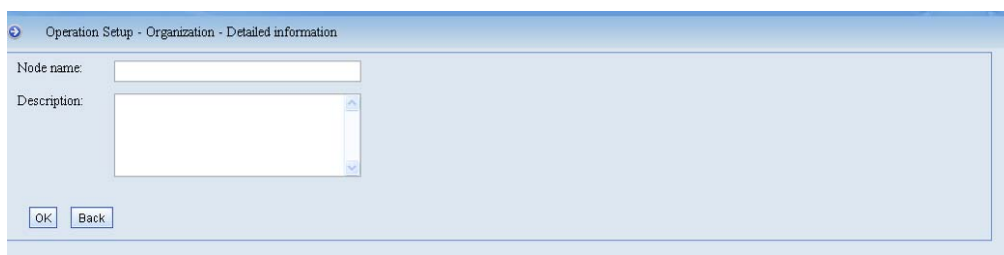


Figure 3-6

Delete organization

Please note, you can only delete the non-root item. You can remove current node if there is no device.

If there is a device (including its sub-node has any device), click , system pops up the following dialogue box. See Figure 3-7. Click OK to remove the selected node.

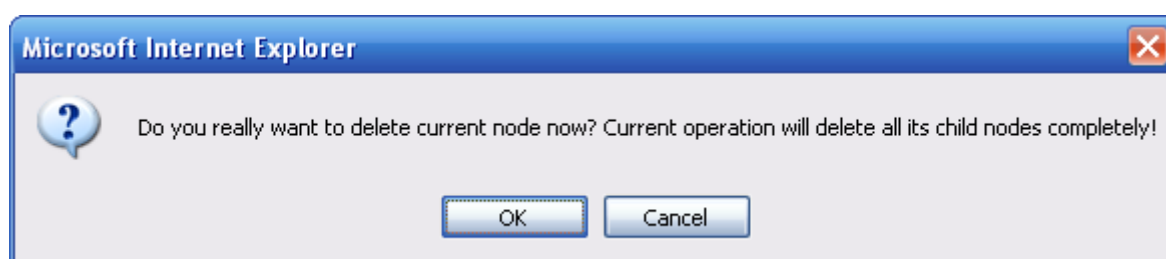


Figure 3-7

Note:

When you delete one node, you will delete all the child-regions and the device information at the same time!

3.2.2 Device Management

This interface allows you to manage all devices.

Click **Device Management** button, you can see an interface is shown as in Figure 3-8.

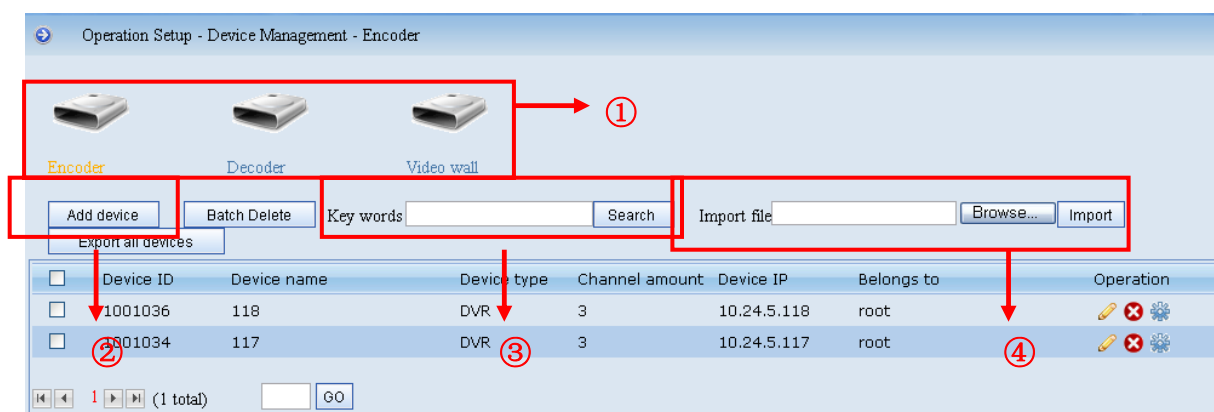
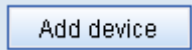


Figure 3-8

Before you add a device, please select device type: Encoder/Decoder/Video Wall in pane 1.

Add an encoder

After you selected Encoder, the Encode font becomes yellow which means current item has

been selected. Click  button in pane 2, you can see the following interface. See Figure 3-12.

- Device ID: System automatically generates one device serial number (It ranges from 1001025). You can go to the System Setup->General Setup to set a self-defined initial number.
- Device Type: There are six options: DVR/IPC/NVS/MCD/NVR/SVR.
- Device Name: Please input a device name here.
- Memo: You can input some simple description here. You can just leave it in blank.
- Manufacturer: You can select from the dropdown list. There are two options:1 (Dahua) 2(Hikision)
- Model: Input device model here.
- Channel Amount: There value ranges from 1 to 256. (Please make sure the number amount before you input. It can not be modified.)
- Alarm Input Amount: There value ranges from 1 to 256. (Please make sure the number amount before you input. It can not be modified.)
- Alarm Output Amount: There value ranges from 1 to 256. (Please make sure the number amount before you input. It can not be modified.)
- Login type: There are two options: direct login/auto login.
 - ✧ Direct login: if the current device has the fixed IP address, DSS server can use the IP to access the device directly. See Figure 3-9.

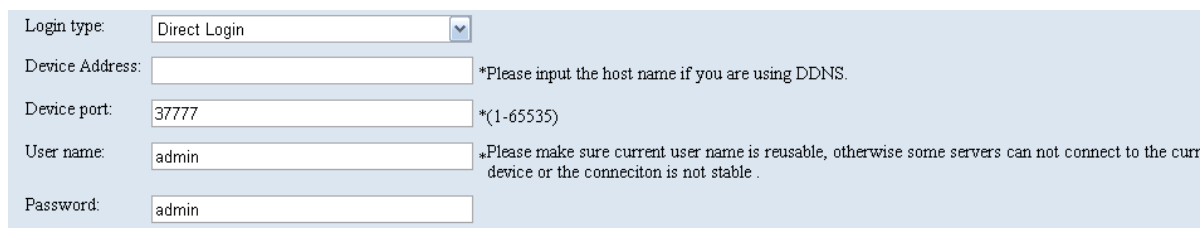


Figure 3-9 shows the 'Direct Login' configuration form. It includes fields for 'Login type' (set to 'Direct Login'), 'Device Address' (with a note: '*Please input the host name if you are using DDNS.'), 'Device port' (set to '37777' with a note: '* (1-65535)'), 'User name' (set to 'admin' with a note: '*Please make sure current user name is reusable, otherwise some servers can not connect to the current device or the connection is not stable.'), and 'Password' (set to 'admin').

Figure 3-9

- ✧ Auto login: If the current device has the dynamic IP address or the front-end device is in the LAN, you can select the auto login to add the front-end device to the DSS device list. Before you use the auto login function, you need to go to the System Setup->Service Setup to add the auto register service. Proxy port is the virtual device port in the proxy. The value ranges from 1 to 65535. You can begin with 37777. Plus two value each time when you add a device. See Figure 3-10.

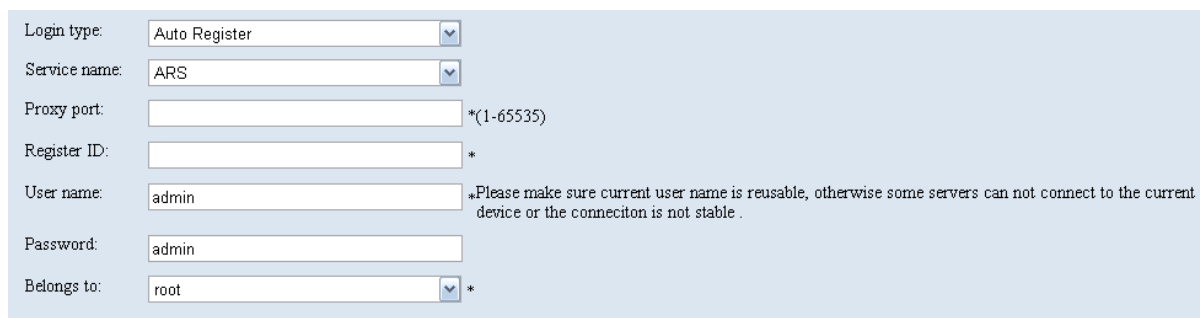


Figure 3-10 shows the 'Auto Register' configuration form. It includes fields for 'Login type' (set to 'Auto Register'), 'Service name' (set to 'ARS'), 'Proxy port' (with a note: '* (1-65535)'), 'Register ID' (with a note: '*'), 'User name' (set to 'admin' with a note: '*Please make sure current user name is reusable, otherwise some servers can not connect to the current device or the connection is not stable.'), 'Password' (set to 'admin'), and 'Belongs to' (set to 'root' with a note: '*').

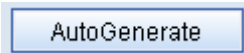
Figure 3-10

- Device address: It is the device IP address or domain. You can input device DDNS name if it works with the DDNS server. Besides, you need to go to the System Setup->General Setup-DDNS Server Setup to input DDNS server IP and port. See Figure 3-11.

	Service IP	Port
DDNS1		
DDNS2		
DDNS3		
DDNS4		

OK Cancel

Figure 3-11

- Device port: The default setup is 37777.
- User Name: Please input log in name here. **It shall support reuse (E.g., multiple users can use this account to log in at the same time.)**
- Password: Please input corresponding password here.
- Belong to: Please select the organization the device belongs to. (Here only displays the organization tree manager belongs to and its corresponding sub-tree.)
- Extra stream: Here you can enable/disable the extra stream function.
- Channel setup: Here you can input channel name and then select channel type(General camera, speed dome and dome camera) You can click  to generate channel number quickly.
- Alarm Setup: You can input alarm input name and then select alter type. For alarm grade: There are three options.
- Alarm output Setup: Here you can input an alarm output name for respective channel. You can draw a circle to enable alarm function. You can also click ALL/Cancel button to select or cancel all channels. For alarm type, you can select from the dropdown list. There are two options: Normal open/Normal close.

Operation Setup - Device Management - Encoder - Detailed information

Device ID: 1001056 * Auto number

Device type: DVR

Device name: *

Memo:

Manufacturer: 1

Model:

Channel amount: 1 *

Alarm amount: 0 *

Alarm Output amount: 0 *

Login type: Direct Login

Device Address: *Please input the host name if you are using DDNS.

Device port: 37777 *(1-65535)

User name: admin *Please make sure current user name is reusable, otherwise some servers can not connect to the current device or the connection is not stable.

Password: admin

Belongs to: root *

Extra stream: ☐

Channel setup:

Channel name: Channel ID: 1001056001 Channel type: General Camera

Figure 3-12

Add a decoder

If you select to add a decoder, the interface is shown as in Figure 3-13.

- Decoder ID: System can automatically generate a SN or you can input the SN manually if you are going to add a NVD. Please make sure the ID here is the same with the device SN if you are going to add a SNVD.
- Decoder type: There are two options: NVD and SNVD.
- Decoder name: You can input a name here for your own identification.
- Channel amount: Please input channel amount here.
- Decoder mode: In the auto mode, the decoder can directly connect to the device to decode. In the passive mode, the device realizes the bit stream transfer via the MTS to send to the decoder.
- Decoder IP: Please input current decoder IP address.
- Decoder port: Please input port number here. Usually the default port is 37777.
- User name: The user name you use to login the device.
- Password: The corresponding password you use to login the device.
- Belongs to: Select decoder belong organization. System here only displays manager's the organization tree and its belonging tree.
- Channel setup: Please input output name and max split amount (1/4/16.)

Operation Setup - Device Management - Decoder - Detailed information

Decoder ID: 1001050 * Auto number

Decoder Type: NVD

Decoder Name: *

Channel Amount: 4 *

Decoder IP: *

Decoder Port: *(1-65535)

User Name: *

Password: *

Belongs To: root *

Channel setup:

Channel name:		Max split amount:	1
Channel name:		Max split amount:	1
Channel name:		Max split amount:	1
Channel name:		Max split amount:	1

OK Cancel

Figure 3-13

Add video wall

Select the video wall in pane 1 in Figure 3-8 and then click  button. You can see an interface shown as in Figure 3-14.

- Name: Please input a device name for the video wall.
- IP address: Input video wall device IP address.
- Organization node: Please select an organization for the video wall.
- Memory: Please input the note information if necessary.
- Group edit: You can add the device to one rights group and set the corresponding rights when you are adding the device.

Operation Setup - Device Management - Video wall - Detailed information

Name: *

IP address: *

Organization node: root *

Memo:

Group edit (Please click the "+" button to edit the category. Please go to the Right Management interface to set the detailed information.)

+ ☐ 1

OK Cancel

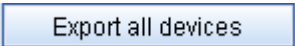
Figure 3-14

Other operations

Device fuzzy search

Click search button in the pane 3 of Figure 3-8, you can search the device by device SN, name, IP address.

Device information import/export

Click  button, you can export the device information. The default name is devices.xml. See Figure 3-15.

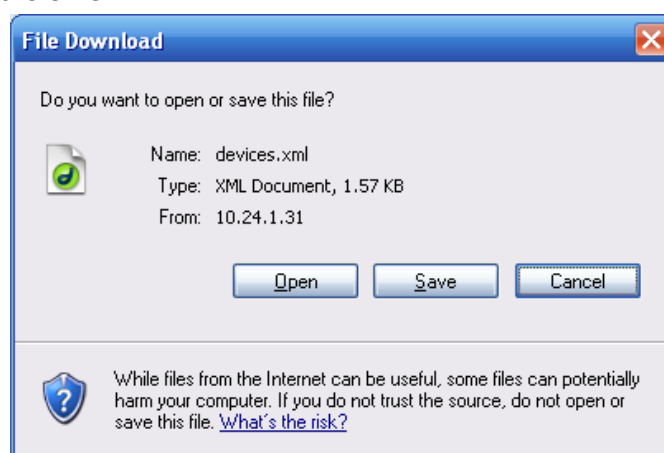


Figure 3-15

Import

Click the Browse button and select the xml file, you can import the device information.

Note:

You need to input the corresponding information in item with *, otherwise system pops up warnings when you save current setup.

Please make sure all the information you input here is identical with the actual conditions.

3.2.3 Right Management

The right management includes the manager group setup and operator group setup.

The user in the same group has the same rights and one user can belong to several groups.

Manager has the system configuration rights and operator has management rights.

Click right management icon, you can see an interface is shown as Figure 3-16.

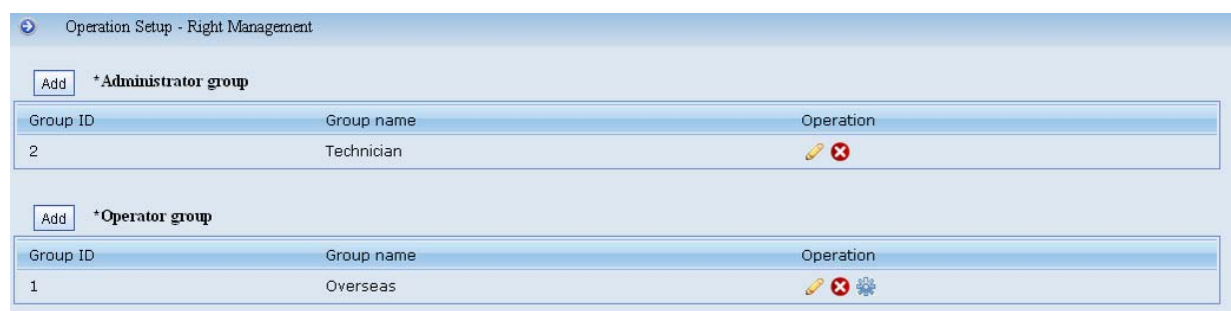


Figure 3-16

Add administrator group

Click  button near the administrator group. You can see an interface is shown as in Figure 3-17.

Figure 3-17

Manager rights is to manage the system It includes: user name, right group management, organization, device management, storage plan, alarm activation, general setup, service setup, update service, system log, device status and user status.

Please draw a circle before corresponding item and then click OK button to exit.

Add operator group

Click  button near operator group, you can see an interface is shown as in Figure 3-18.

Please input operator group name here and then select group level (Level1 to Level 5). Finally you can click OK button.

Group name: Here you can input a name for you reference.

Group level: You can select the group level from the dropdown list. The value ranges from 1 to 5. The 5th has the highest priority.

Originating from: It is to get the same rights of the previous setup group. For example, you have added a group A. You can select the group A from the dropdown list when you are adding a new group B. The group B has the same rights setup of the group A. You can still set other rights if necessary.

Figure 3-18

Note:

Please follow the steps here to set corresponding rights for newly added user; otherwise you can not use this user to manage the device!

Edit Operator group

In Figure 3-16, click  near the operator overseas. You can see an interface is shown as in Figure 3-19.

System Setup - Right Management - Detailed information

Group name:

Group type:

Group level:

Belongs to:

Devices:

Granted Device:

Overseas - 10.15.5.154 Office - 10.15.5.177

Figure 3-19

There are two ways for you to grant the device rights.

Grant one device at one time.

You can select a device name from the dropdown list and then enable the corresponding operation rights (such as channel monitor right, playback right, PTZ control right, alarm channel control right and etc)

Finally, you can view the device name and IP address you have granted to current operator. See Figure 3-20.

Granted Device:

Overseas - 10.15.5.154 Office - 10.15.5.177

Figure 3-20

Grant one device to a whole organization

Or you can select an organization first and then select All Encoders (Figure 3-21)/all decoders (Figure 3-22)/all video walls (Figure 3-22) first, and then set the corresponding rights.

Operation Setup - Right Management - Detailed information

Group name:

Group type:

Group level:

Belongs to:

Devices:

Monitor: ☐

PlayBack: ☐

Download: ☐

PTZ: ☐

PTZ Advanced Setup: ☐

Alarm input: ☐

Alarm output: ☐

Direct Connection: ☐

Figure 3-21

Operation Setup - Right Management - Detailed information

Group name:

Group type:

Group level:

Belongs to:

Devices:

TV Output: ☐

Figure 3-22

Operation Setup - Right Management - Detailed information

Group name:

Group type:

Group level:

Belongs to:

Devices:

Control: ☐

Figure 3-23

Edit manager &operator

In Figure 3-16, click  near the operator (manager), you can edit operator (manager) information. See Figure 3-24.

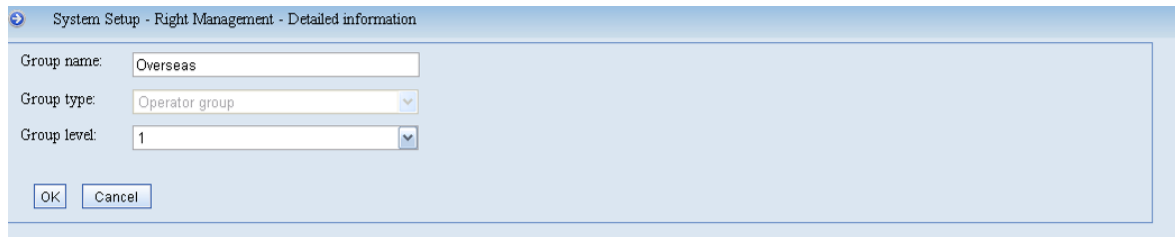


Figure 3-24

In Figure 3-16, click  near the operator (manager), system pops up the following dialogue box. See Figure 3-25. Click OK to remove selected group.

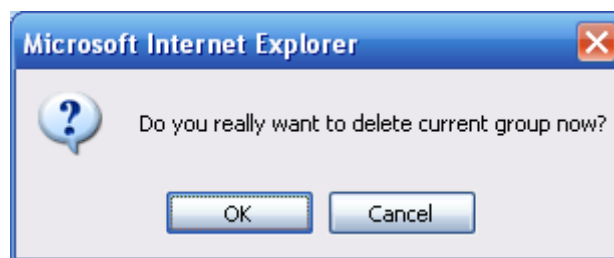


Figure 3-25

3.2.4 User Management

Click user management button, you can see an interface is shown as in Figure 3-26. The user management includes two levels: administrator and operator.



Account name	Alias	Control Right Groups	Admin Right Groups	Operation
system	system	Overseas		
Test	Test	Overseas		  
1	1	Overseas		  

Figure 3-26

Click add button, you can see an interface is shown as in Figure 3-27. Here you can input administrator /operator name and password. Then select corresponding groups (multiple choices). Please click OK to save current setup.

Note:

- For one logged in account, there are three statuses: administrator, operator, both (administrator/operator).
- Admin group: You can check the box here to set current account as the admin and then select the corresponding rights.

- Operator group: You can check the box here to set current account as the operator and then select the corresponding rights.
- Reuse: Please check the box here to set current account as reusable. It allows multiple-users to use this account to login at the same time.

Figure 3-27

In Figure 3-26, click , you can modify current administrator/operator information. See Figure 3-28.

Figure 3-28

Click  near the administrator/operator, system pops up the following dialogue box. See Figure 3-29.

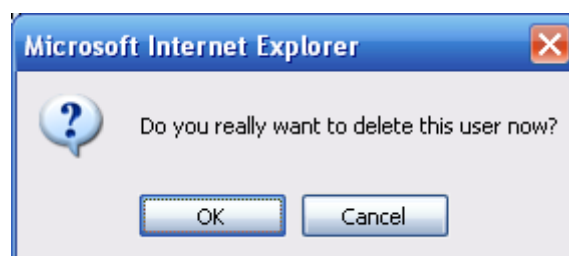


Figure 3-29

Important

You can not remove the default administrator account **system**.

Please note, you can only select the organization below or equal to your organization structure.

3.2.5 E-map

E-map provides three modes to display the node: E-map, preview and device tree. See Figure 3-30.

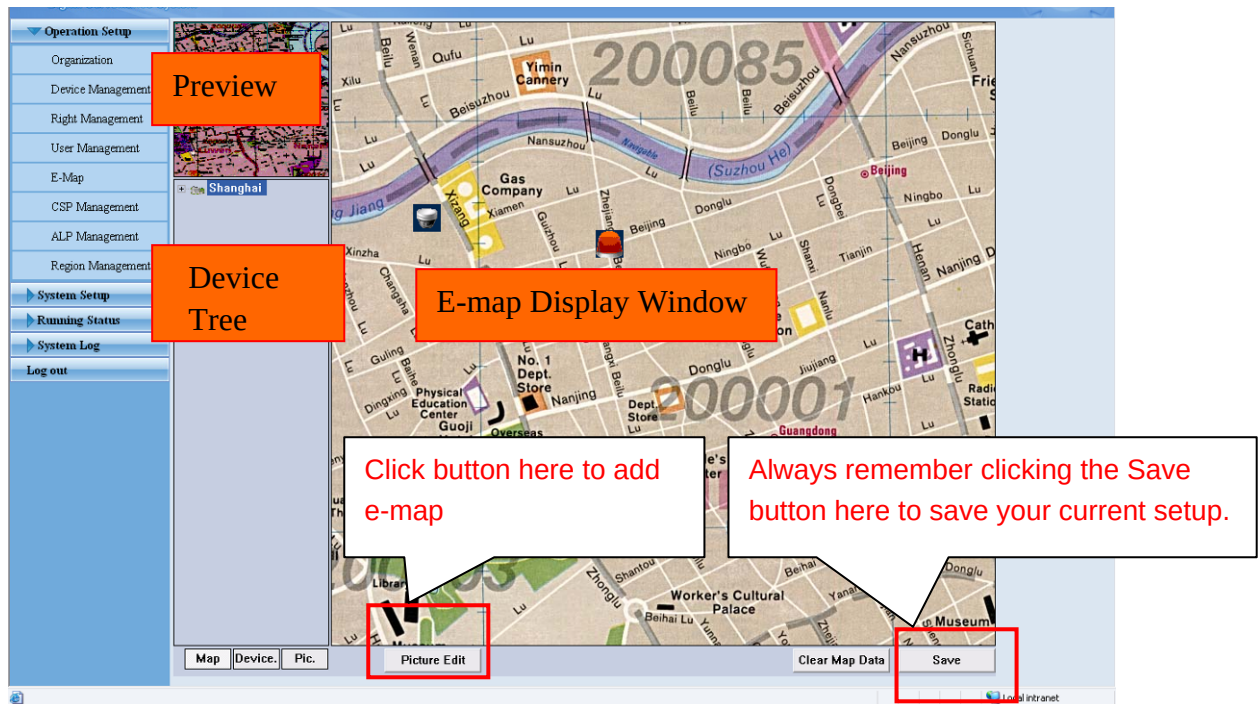


Figure 3-30

In the E-map, you can see the device position and current status. Double click the e-map node, you can see the property dialogue box. Here you can the detailed information of the node. See Figure 3-31.

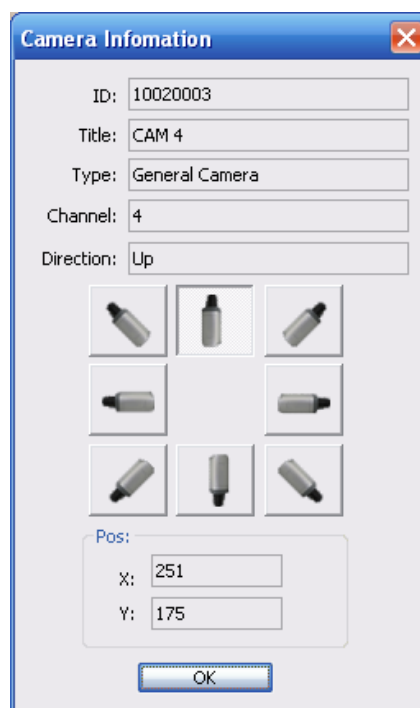


Figure 3-31

Please note different e-map nodes have different property interfaces.

The e-map node consists of four modes: domain, camera, alarm channel and sub-e-map. The camera consists of general camera, speed dome, IP camera, network video server and so on.

In Figure 3-30, click picture edit button, you can see the following interface. See Figure 3-32.

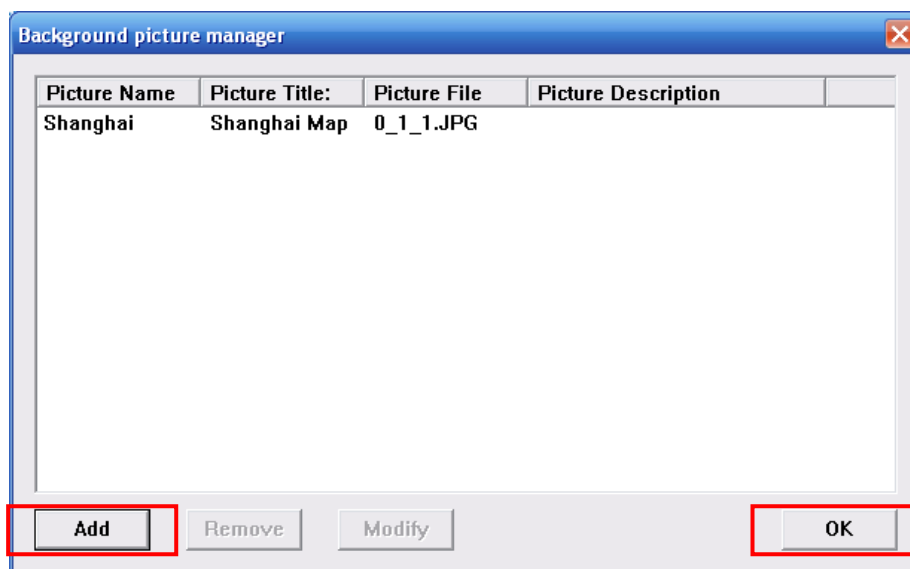


Figure 3-32

Click add button, you can see an interface is shown as in Figure 3-33. Here you can input picture name (such as Shanghai New), picture title and then select picture path. Please click OK button to save current setup.

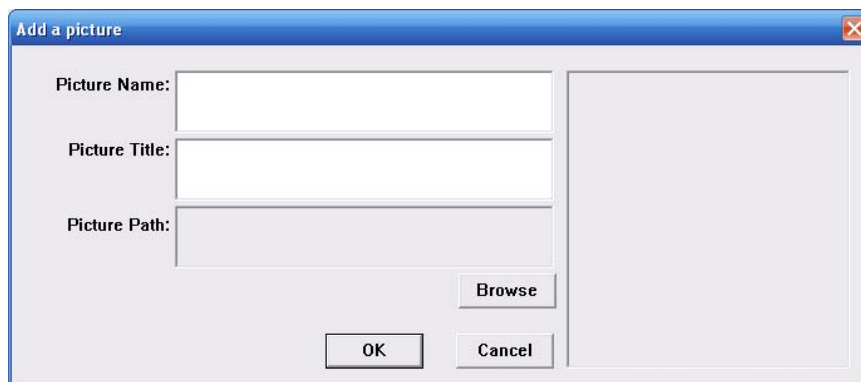


Figure 3-33

System goes back to Figure 3-32, please click OK button to exit.

After you finished the above steps, click picture button in Figure 3-30. Now you can see you have added an e-map (Shanghai New). Repeat above steps to add more e-maps. See Figure 3-34.

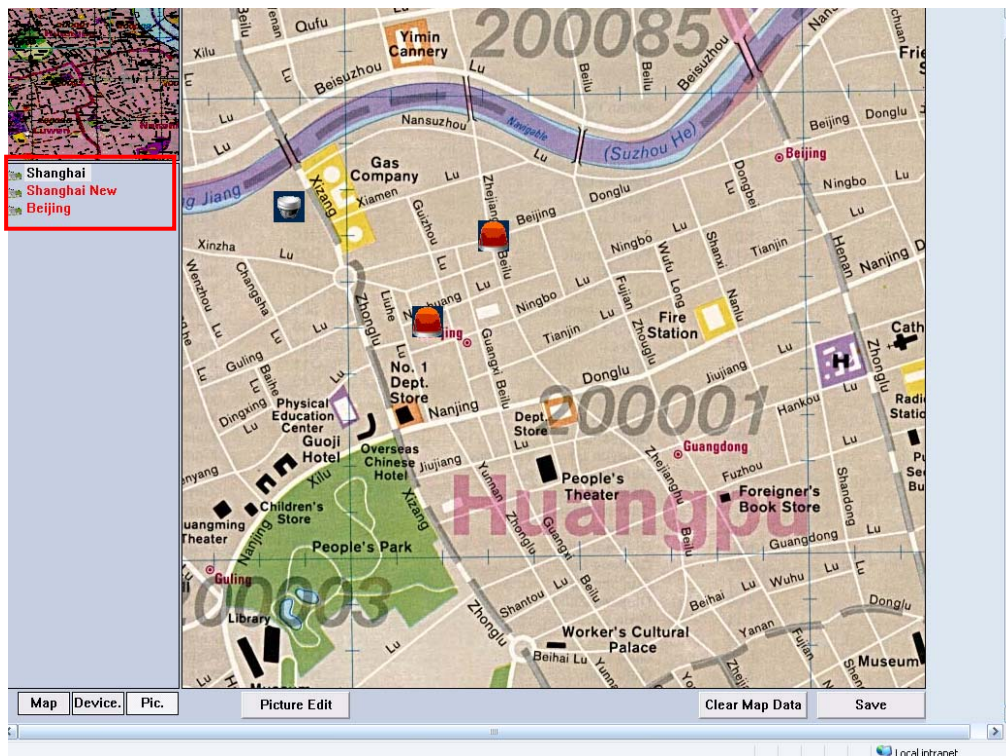


Figure 3-34

In Figure 3-34, select e-map Shanghai new and then drag it to the display section. Now you can see an interface is shown as in Figure 3-35.

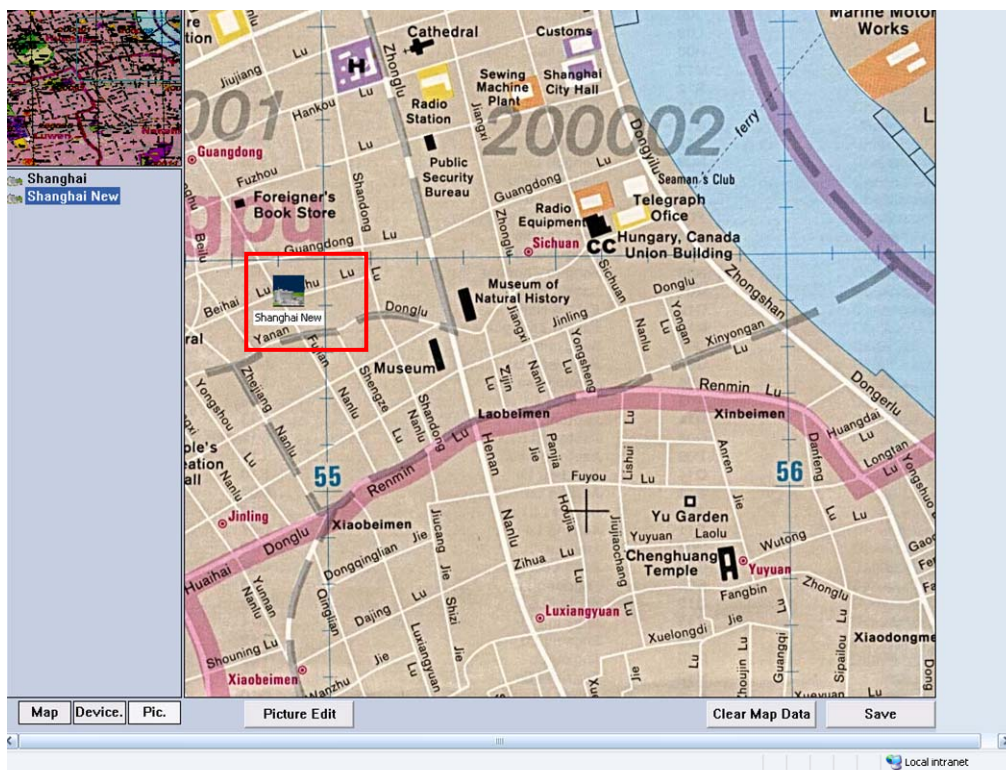


Figure 3-35

In Figure 3-35, click device button, and then drag the channel number to the e-map and then release. You can see the following interface. See Figure 3-36.

You can see you have added a camera in the e-map (The red circle one.)

Important

Always remember clicking save button in Figure 3-30 to save current e-map setup!

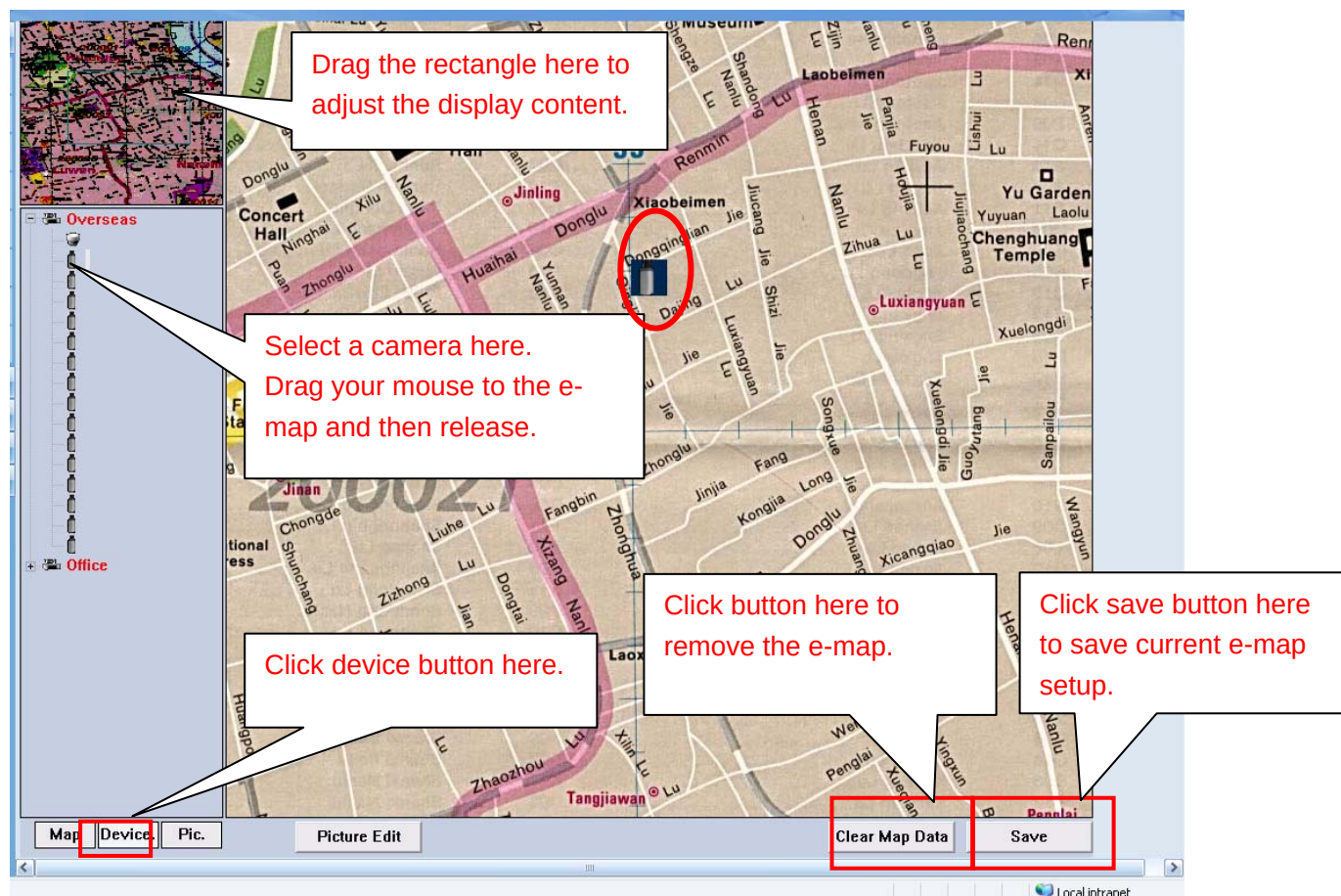


Figure 3-36

Click Clear Mapdata button on the right bottom, system pops up the following dialogue box. See Figure 3-37.

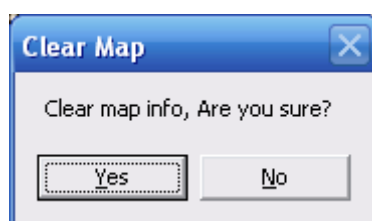


Figure 3-37

Click YES button, you can remove all e-map background and all nodes.

Tip:

Move the green rectangle icon in the preview section; you can view different e-map content in display section.

You can repeat the above procedures to add a sub-map.

If you want to implement multiple sub-e-maps setup, you can follow the procedures below:

- Open one map such as map1.
- Click picture button and drag map 2 to anywhere in map1.

- Click map button and click map 2 to open current map
- Double click device name on your right side to add one device to map 2.
- You can view newly added e-map and device list in the map list section.
- Click save button, now you have added one sub-map and its device.

Click different e-map node or e-map background, you can view various right-key menu.
Domain background menu is shown as in Figure 3-38.

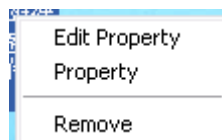


Figure 3-38

Sub e-map background menu is shown as in Figure 3-39.



Figure 3-39

Speed dome, IPC, alarm channel menu is shown as in Figure 3-40.

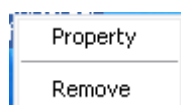


Figure 3-40

3.2.6 CSP Management

The CSP(central storage plan) management interface is shown as in Figure 3-41.

Operation Setup - CSP Management								
Add								
ID	Name	Camera	Start time	End time	Status	Repeat	Owner	Operation
2	2		00:00:00	23:59:00	Enable	true	system	
1	1		00:00:00	23:59:00	Enable	true	system	

Figure 3-41

This function allows system to storage the video in specified period. The recorded files are in the media of the central storage server. Please select the channel to record the video. This function becomes activated once you added the plan.

Click  button, you can see the following interface. See Figure 3-42.

You can add the central storage plan one channel by one channel. Or you can select several channels to add. .

Operation Setup - CSP Management

Camera:

Plan name:

Time section: From: 2012 Year 2 Month 21 Day 0 Hour 0 Min 0 Second
 To: 2012 Year 2 Month 21 Day 0 Hour 0 Min 0 Second

☐ NextDay ☒ Always

Week: ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun

Status: ☒ Enable ☐ Disable

Extra stream: ☐

Memo:

OK Cancel

Figure 3-42

Camera: You can select one or more cameras.

Plan name: You can input a plan name here.

Time section: Please select the time period according to your actual requirements. Please make sure the start time is earlier than the end time. System begins all-day record from the plan enable time if you check the ☒ Always button.

Please note, if the period is not within one day (E.g. from 00:00 to 24:00), you need to draw a circle before the next day button. ☒ NextDay

Originating from: It is to get the same rights of the previous setup group. For example, you have added a group A. You can select the group A from the dropdown list when you are adding a new group B. The group B has the same rights setup of the group A. You can still set other rights if necessary.

Week: You can select the date to allow the plan repeat regularly. The date-month-year are null if you want to set based on the week.

Status: Check the box before Enable, the storage plan begins immediately. Check the box before the Disable, the plan is idle.

Time section: From: 2012 Year 2 Month 21 Day 0 Hour 0 Min 0 Second
 To: 2012 Year 2 Month 21 Day 0 Hour 0 Min 0 Second

☐ NextDay ☒ Always

Week: ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun

Status: ☒ Enable ☐ Disable

Extra stream: System saves via the extra stream if you check the box here.

Memo: You can write down the corresponding note here.

Click OK button, you can add the plan in the storage plan list.

Batch add

Click button, you can see the following interface. See Figure 3-43.

You can select the corresponding channels from the panel on the right side.

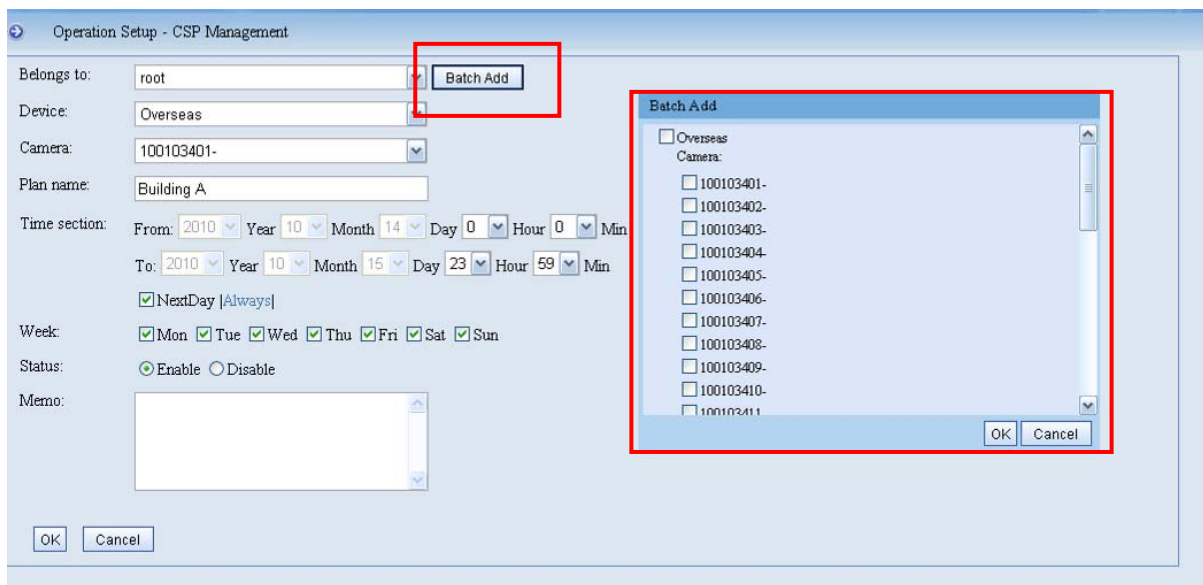


Figure 3-43

The centre storage plan is saved in the platform central server.

You can double click the plan name to view the detailed information.

When you add more than one plan to one channel, the specified period shall not overlap.

Otherwise, you can see a dialogue box shown as in Figure 3-44.

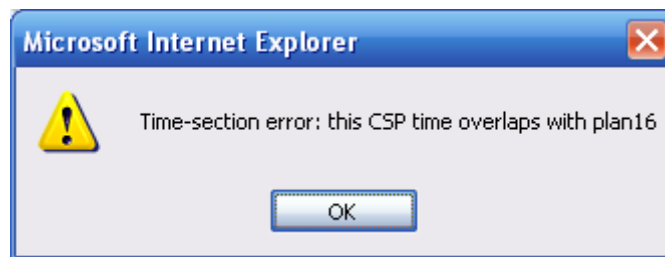


Figure 3-44

3.2.7 ALP Management

ALP (Alarm linkage/activation management) interface is shown as in Figure 3-45.

When there is an alarm (video loss/motion detection/camera masking) from one device, system can generate alarm signal to the central server. Then the central storage server can automatically stores the video coming from the activated record function. (The record period is self-defined)

Operation Setup - ALP Management						
Add policy						
Policy ID	Policy name	Alarm device	Alarm type	Enable	Operation	
3	dd	1001035001	External alarm	Enable	✎ ✖	
4	6u	100103501	Motion detector	Enable	✎ ✖	

Figure 3-45

Add Policy

Click  button, you can see an interface is shown as in Figure 3-46.

Click search button, you can search the device and then select alarm channel, set alarm type (video loss, motion detection, camera masking).

Then select video channel, click  , you have set the activated alarm device (One alarm device can support several video device as the activation device.)

Then you can select the period. The activation becomes active during the specified period. If you choose all day then the setup is active all the time.

Please input the record time in the column, when there is activated alarm, system can begin record for specified time.

Please draw a circle before the enable to save current setup.

Please click OK button to finish the policy setup.

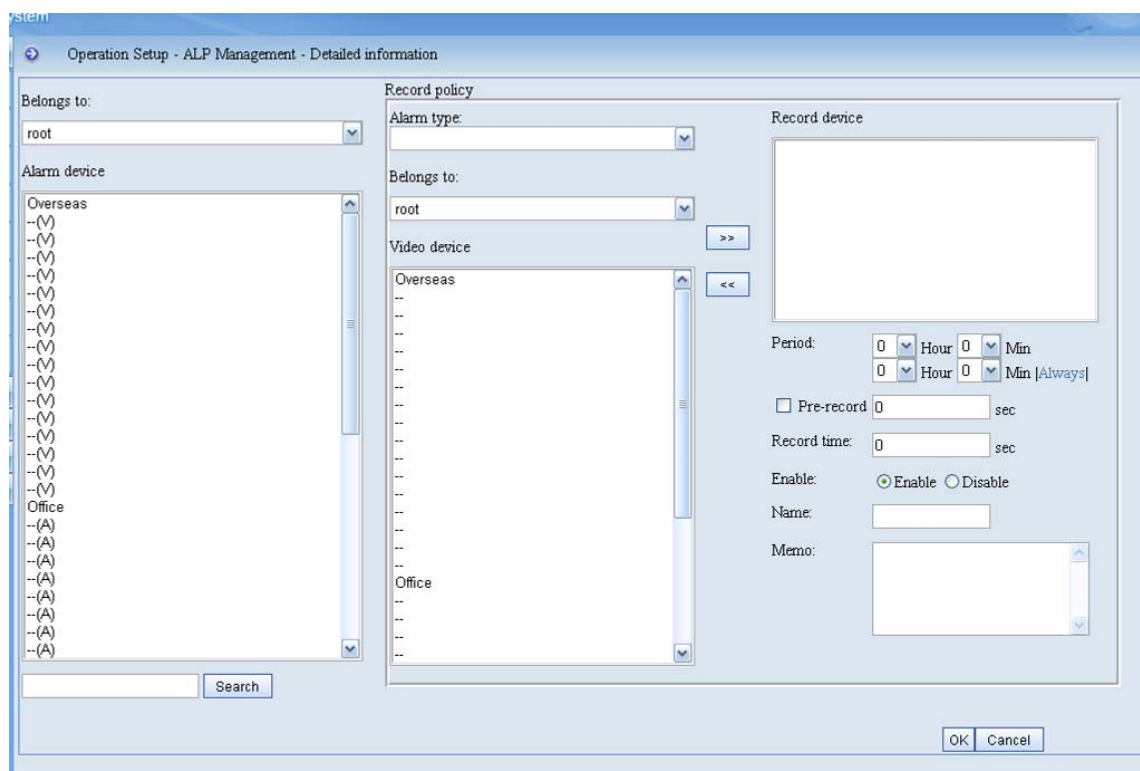


Figure 3-46

Edit alarm activation policy

In Figure 3-45, click  you can see an interface is shown as in Figure 3-47.

Here you can modify activated video device, the active period, record time and activation policy name.

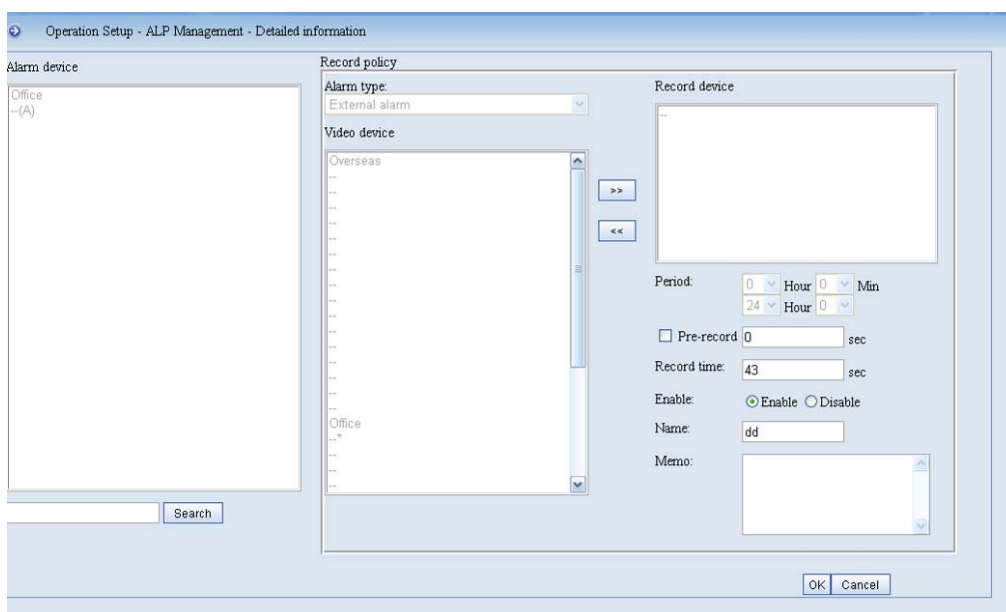


Figure 3-47

Important

Before you enable the pre-record function, please make sure the front-end device has installed the HDD and the local record function is valid, otherwise the central server can not record the file!

Delete alarm activation policy

Click  near the activation policy, system pops up the following interface. See Figure 3-48.

Click OK button to remove the selected policy.

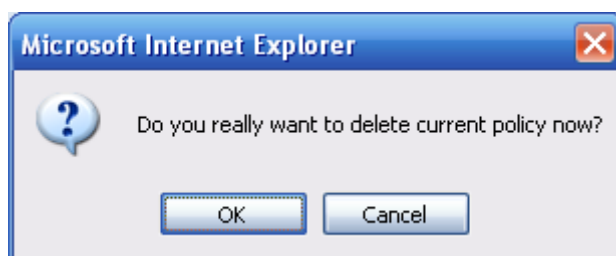


Figure 3-48

3.2.8 Asset Management

Asset management is to categorize the device name, manufacturer, position, use status, corresponding management person and etc so that you can manage them easily.

Click **Asset Manager** button, the interface is shown as below. See Figure 3-49.

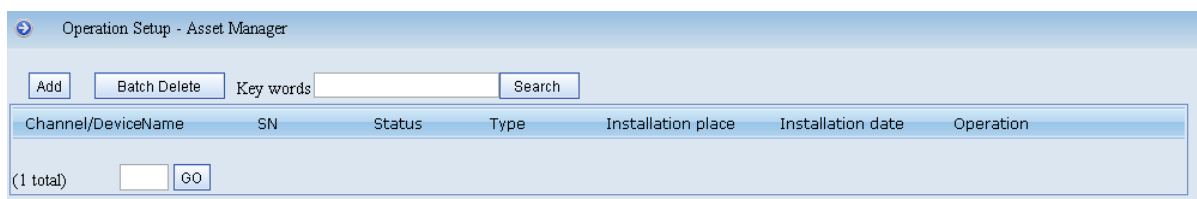


Figure 3-49

Add assets management

Click  button, you can see the following interface. See Figure 3-51.

Device/channel: Click it, you can see system pops up the device tree. You can select the device you want to add. Here you can select a DVR or just select one channel.

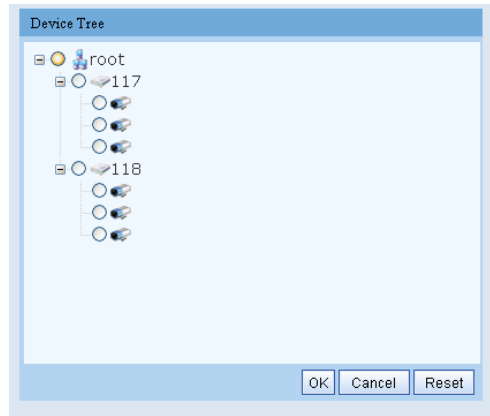
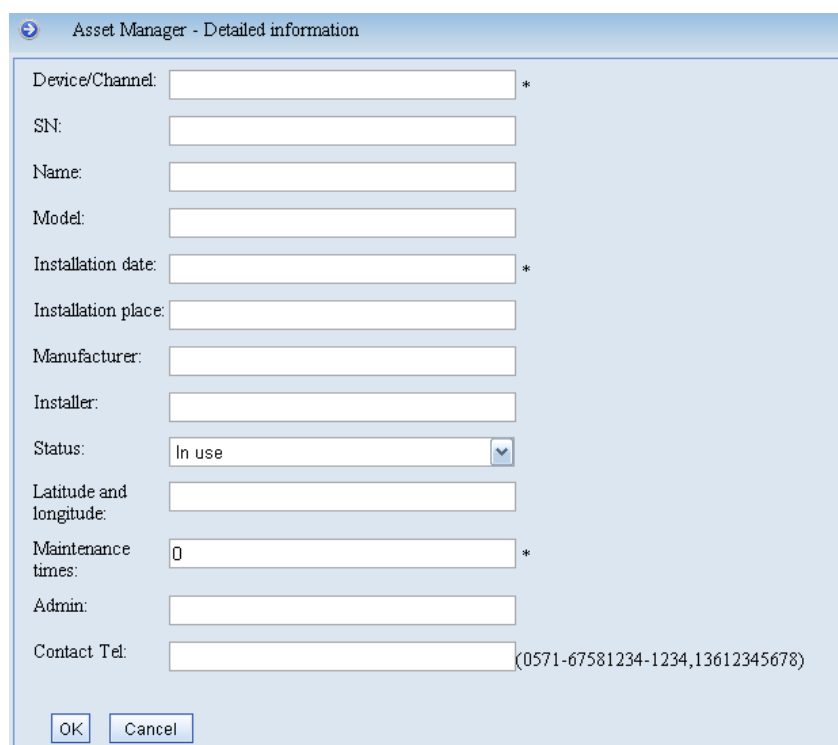


Figure 3-50

- SN: Input a device serial number here.
- Name: Input a device name here.
- Model: Input device model here.
- Installation date: Select the installation date.
- Installation place: Input device installation place.
- Manufacturer: input the corresponding manufacturer name here.
- Installer: Input the device installer.
- Status: You can select from the dropdown list. It includes: in user/maintenance/scrap.
- Latitude and longitude; Please input the device latitude and longitude information.
- Maintenance times: Input device maintenance times here.
- Admin: Input device administrator name here.
- Contact telephone: input administrator contact information here.



Asset Manager - Detailed information

Device/Channel: *

SN:

Name:

Model:

Installation date: *

Installation place:

Manufacturer:

Installer:

Status:

Latitude and longitude:

Maintenance times: *

Admin:

Contact Tel: (0571-67581234-1234,13612345678)

OK Cancel

Figure 3-51

3.3 System Setup

System setup is an important part of the management. It is mainly about the system server setup. It includes three modules: general setup, service setup and update management. See Figure 3-52

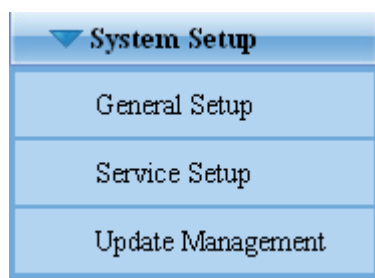


Figure 3-52

3.3.1 General Setup

Click general setup button, the interface is shown as in Figure 3-53.

CMS is an abbreviation for central management server. It is a key server for the whole system and the key of MTS, DMS, SS, and VMS.

- CMS server
 - ✧ CMS IP: Central management server IP.
 - ✧ CMS port: Default value is 9000.
- Auto number: This is a serial number system gives to the device. Please refer to Operation Setup-> Add Device for detailed information. You can also disable auto number function and then input your self-defined start number.

- Force I frame: This function allows system to use the compulsive I frame of the device. It can help open the video for devices you have used.
- Sync setup
 - ✧ Sync enable: You can select from the dropdown list to enable or disable the synchronization function. System can synchronize all device time and the PC of all operators with the server.
 - ✧ Sync interval: You can input synchronization interval here.
- Log max storage time: Input log storage time here. Unit is month.
- Alert information max storage time: Input alert information storage time here. Unit is month.
- DDNS Server setup: if you want to use DDNS function. You need to get server IP (PC IP), server port value. Please contact out local technical engineer for detailed information. .
- Web server IP management: Here you can set local host IP and WAN IP.

System Setup - General Setup

CMS Server

CMS server IP: 10.24.1.31
CMS Port: 9000

OK Cancel

Auto-number

Enable auto-number: Yes
Initial serial number: 1001049

OK Cancel

Force-I-frame

Enable force-I-frame: Yes

OK Cancel

Sync setup

Roll down to view more information

Figure 3-53

3.3.2 Server Setup

The server setup interface is shown as in Figure 3-54. This interface allows you to manage all the serves in the system. All are established by default when you install the DSS. Usually we recommend you do not modify the service setup.

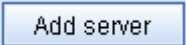
System Setup - Service Setup

Add server

SN	Type	Name	IP	ID	Bandwidth	Additional informBelongs to	Operation
1	MTS	MTS	10.15.5.83	1001	1000Mbps	root	
2	SS	SS	10.15.5.83	2001	1000Mbps	root	
3	DMS	DMS	10.15.5.83	3001	1000Mbps	root	
4	VMS	VMS	10.15.5.83	4001	1000Mbps	root	
5	ARS	ARS	10.15.5.83	5001	1000Mbps	root	

Figure 3-54

Add server

Click  button, you can see the following interface. See Figure 3-55.

Please select the type first: MTS, SS, DMS, VMS, MMTS, ARS, PCPS. (you need to set MTS, SS, and CMS respectively by default.)

- IP: Please input server IP. The format shall be xxx.xxx.xxx.xxx.
- SN: Here you can input serial number to manage servers. Recommended serial number principle is: MTS: 1000+1 (begins from 1001). SS: 2000+1.DMS:3000+1. Please make sure the server (MTS, SS, DMS,VMS,ARS) serial number is unique.
- Name: Usually it is the type such as MTS.
- Organization: It is a root organization by default and can not be modified.
- Bandwidth: There are three types: 10Mps, 100 Mps, 1000 Mps for you to select.
- Password; It is the password for you to login the server.

Click the Save button to complete the setup. System goes back to the service setup interface.

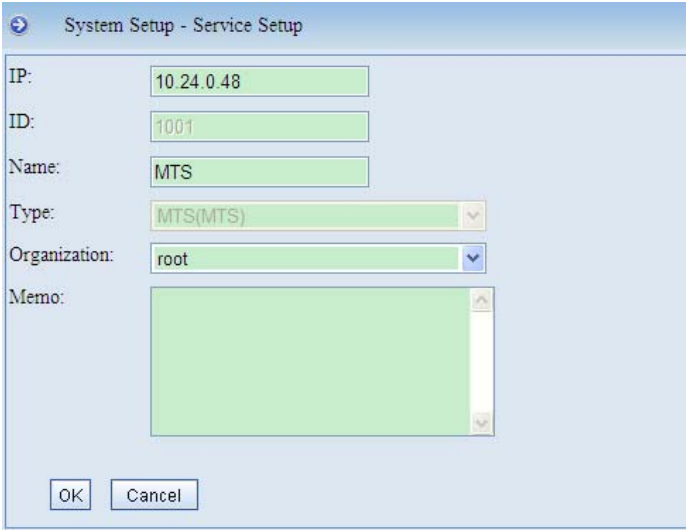
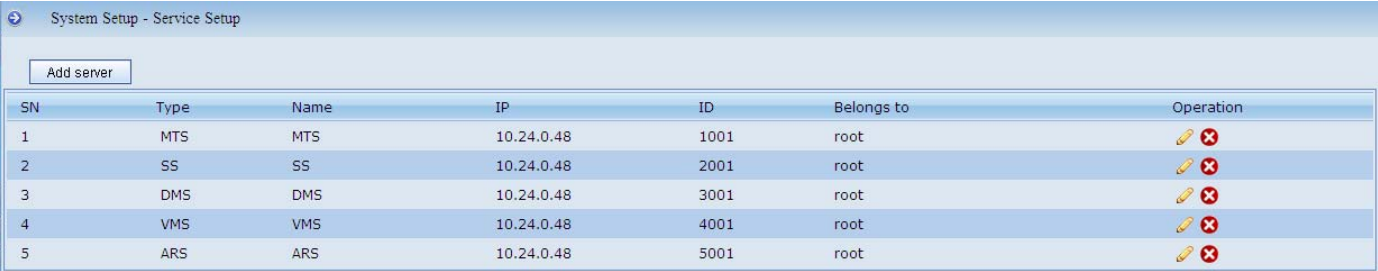


Figure 3-55

Edit server

Click  of the corresponding server, you can modify server information. See Figure 3-56.

You can modify IP, name, organization, bandwidth, access..



SN	Type	Name	IP	ID	Belongs to	Operation
1	MTS	MTS	10.24.0.48	1001	root	 
2	SS	SS	10.24.0.48	2001	root	 
3	DMS	DMS	10.24.0.48	3001	root	 
4	VMS	VMS	10.24.0.48	4001	root	 
5	ARS	ARS	10.24.0.48	5001	root	 

Figure 3-56

Click  of the corresponding server, system pops up the following dialogue box. See Figure 3-57.

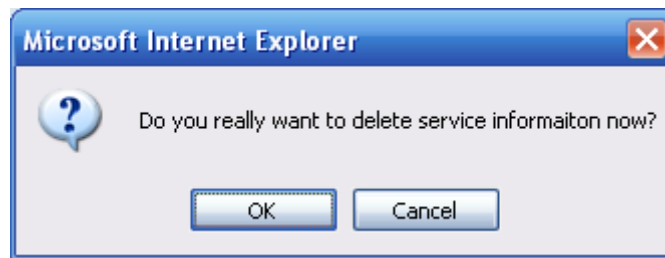


Figure 3-57

3.3.3 Update Management

It is to upgrade the client-end. The operator client-end automatically upgrade to the latest version after you update the program here.

Click upgrade management, system goes to the following interface. See Figure 3-58.

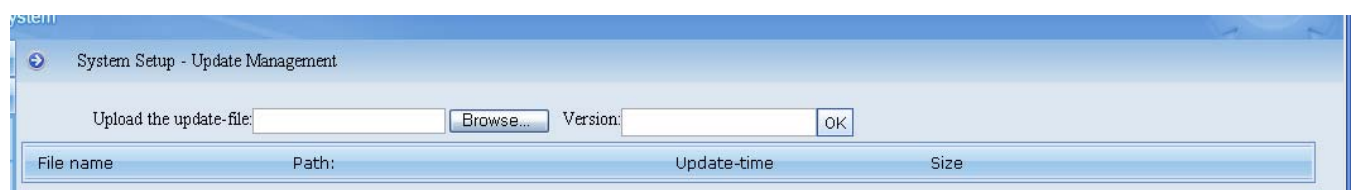


Figure 3-58

Click  button to open upgrade file and then input version number. Please click OK button to begin update. You can view the file name, path, update time, file size and running status at the bottom of the interface.

3.4 Running Status

Running status includes device status list, decoder status list, user status list and server status list.

3.4.1 Device Status List

The device status list is shown as below. See Figure 3-59.

Here you can view encoder serial number, name, type, channel amount, IP address, organization and its status. The red font means current device is offline so that you can quickly find the malfunction encoder here.

Running Status - Device Status List						
Device ID	Device name	Device type	Channel amount	Device IP	Belongs to	Status
1001035	DVR	DVR	16	10.15.5.154	root	Online
1001036	DVR2	DVR	16	10.15.5.177	root	Offline

Navigation: 1 (1 total) [GO]

Figure 3-59

3.4.2 Decoder Status List

The decoder status list is shown as below. See Figure 3-60.

Here you can view current decoder serial number, name, type, output amount, IP address, belonging position, status.

The red font means current device is offline so that you can quickly find the malfunction decoder here.

Decoder ID	Decoder name	Decoder type	Channel amount	Decoder IP	Belongs to	Status
10000	Test4	NVD	4	10.15.5.204	root	Offline

Figure 3-60

3.4.3 Operator Status list

The operator status list is shown as in Figure 3-61.

Here you can view all operator statuses and get online operator, operator amount, locked amount and total amount.

Account name	Alias	User type	State
system	system	Operator	Offline
Test	Test	Operator	Offline
1	1	Operator	Offline

Online user amount:0 Locked user amount:0 Total user amount:3

Figure 3-61

3.4.4 Server Status List

The server status list is shown as below. See Figure 3-62.

Here you can view server ID, server name, server type, server IP, organization and current status.

The red font means current server is offline now.

ID	Name	Type	IP	Belongs to	Status
1001	MTS	MTS	10.15.5.83	root	Online
2001	SS	SS	10.15.5.83	root	Online
3001	DMS	DMS	10.15.5.83	root	Online
4001	VMS	VMS	10.15.5.83	root	Online
5001	ARS	ARS	10.15.5.83	root	Offline

Figure 3-62

3.5 System Log

3.5.1 System Log

Click **System Log** button, you can see an interface is shown as in Figure 3-63.

System log includes the three types:

- System event
- Administrator operation for the system.
- Administrator log in information.

Generally speaking, there are system log, operation log and event log.

You can search by selecting corresponding type (Log period/log type/activation log in name).

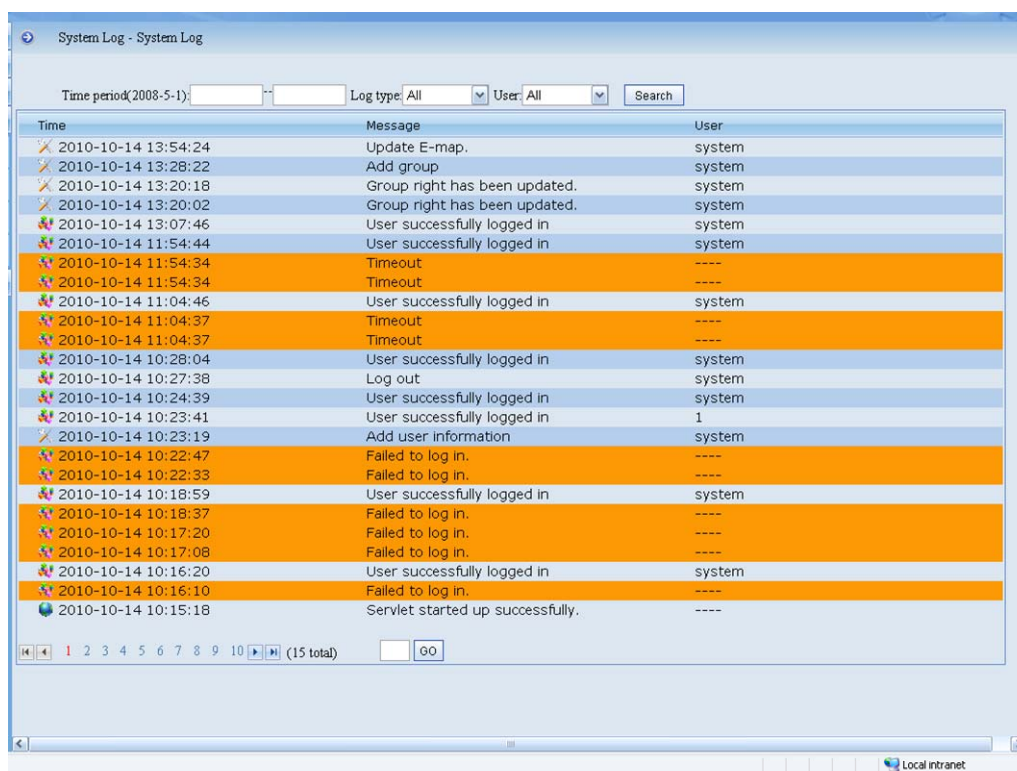


Figure 3-63

3.5.2 Alert Information

Click alert information button, you can select some conditions such as device, device channel, alarm time and alarm type to search alarm message. You can view the following interface. See Figure 3-64.

Here you can see the following information:

- Title: It is the alarm channel.
- Alarm type: External alarm/motion detection/video loss/fiber alarm/HDD full/HDD malfunction/unknown alarm.
- Status: The alarm has occurred or has been confirmed.
- Confirm user: You can view which operator processed current alarm.
- Alert grade: Here you can view alarm grade. There are three levels.
- Alarm status: The alarm has been confirmed or not.
- Confirm time: Here you can view the when the use processed the alarm.
- Alarm time. Here you can view alarm occurred time or confirmed time.
- Search: This function allows you to search via the organization, device, type, channel, alarm grade, confirm status, alarm time and etc to search the alarm information.

Title	Type	Status	Handle User	Alert Grade	Handle Status	Handle Time	Alarm Time
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:54:49.0
	Motion detect	alarm disappeared			Unhandled		2010-10-14 14:53:37.0
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:53:27.0
	Motion detect	alarm disappeared			Unhandled		2010-10-14 14:52:47.0
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:52:32.0
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:52:22.0
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:52:14.0
	Motion detect	alarm disappeared			Unhandled		2010-10-14 14:51:52.0
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:51:42.0
	Motion detect	alarm disappeared			Unhandled		2010-10-14 14:51:14.0
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:51:00.0
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:50:50.0
	Motion detect	alarm disappeared			Unhandled		2010-10-14 14:50:25.0
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:50:15.0
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:50:06.0
	Motion detect	alarm disappeared			Unhandled		2010-10-14 14:49:07.0
	Motion detect	alarm occurred			Unhandled		2010-10-14 14:48:57.0
	Motion	alarm					2010-10-14

Figure 3-64

Click one alarm message; you can view the detailed information. See Figure 3-65.

Running Status - Alert Information - Detailed information

Alarm Time: 2010-10-14 14:53:37.0

Device Title: Office

Channel Title:

Type: Motion detect

Status: alarm disappeared

Message:

Back

Figure 3-65

3.5.3 Operator Log

The operator log is to view operator login time, log out address, IP address and operation name. See Figure 3-66.

Time	Log info	User
2012-02-22 17:10:23	Logged out IP: 10.35.90.98	w
2012-02-22 17:06:28	Successfully logged in IP: 10.35.90.98	w
2012-02-22 15:51:10	Logged out IP: 10.15.2.43	w
2012-02-22 14:33:18	Successfully logged in IP: 10.15.2.43	w
2012-02-22 12:01:20	Logged out IP: 10.15.2.43	w
2012-02-22 11:05:17	Logged out IP: 10.35.90.98	w
2012-02-22 11:01:20	Successfully logged in IP: 10.15.2.43	w
2012-02-22 09:58:30	Offline IP: 10.35.90.22	w
2012-02-22 09:58:27	Successfully logged in IP: 10.35.90.22	w
2012-02-22 09:57:14	Offline IP: 10.35.90.22	w
2012-02-22 09:57:09	Successfully logged in IP: 10.35.90.22	w
2012-02-22 08:59:26	Successfully logged in IP: 10.35.90.98	w
2012-02-22 08:57:30	Logged out IP: 10.35.90.98	w
2012-02-22 08:40:16	Successfully logged in IP: 10.35.90.98	w
2012-02-21 17:36:44	Logged out IP: 10.35.90.98	w
2012-02-21 17:25:14	Successfully logged in IP: 10.35.90.98	w
2012-02-21 17:04:54	Logged out IP: 10.15.2.43	w
2012-02-21 16:47:22	Successfully logged in IP: 10.15.2.43	w
2012-02-21 16:40:47	Logged out IP: 10.15.2.43	w
2012-02-21 16:14:20	Successfully logged in IP: 10.15.2.43	w
2012-02-21 13:43:06	Logged out IP: 10.15.2.43	w
2012-02-21 13:42:32	Successfully logged in IP: 10.15.2.43	w
2012-02-21 13:24:25	Logged out IP: 10.15.2.43	w
2012-02-21 13:24:02	Successfully logged in IP: 10.15.2.43	w

Figure 3-66

3.5.4 Encode State log

Click Encode status log button, you can see an interface is shown as in Figure 3-67.

Here you can view encoder serial number, name, type, channel amount, IP address, organization and its status. The red font means current server is offline now. You can quickly find the malfunction device here.

Time	Status	Device Title	Organization	IP
2012-02-23 11:23:17	Online	117	区级	10.24.5.117
2012-02-22 20:19:45	Offline	117	区级	10.24.5.117
2012-02-22 16:59:40	Offline	118	区级	10.24.5.118
2012-02-22 10:03:39	Online	117	区级	10.24.5.117
2012-02-22 10:03:39	Online	118	区级	10.24.5.118
2012-02-22 09:49:44	Offline	118	区级	10.24.5.118
2012-02-22 09:49:44	Offline	117	区级	10.24.5.117
2012-02-21 17:39:46	Offline	83	root	10.24.3.83
2012-02-21 17:39:06	Offline	31	root	10.24.3.31
2012-02-21 17:38:53	Offline	96	root	10.24.5.96
2012-02-21 17:38:23	Offline	33	root	10.24.3.33
2012-02-21 13:21:37	Online	118	区级	10.24.5.118
2012-02-21 13:21:08	Online	117	区级	10.24.5.117

Figure 3-67

3.6 Log out

Click log out button, system pops up the following interface. See Figure 3-68.
Click OK to exit DSS.

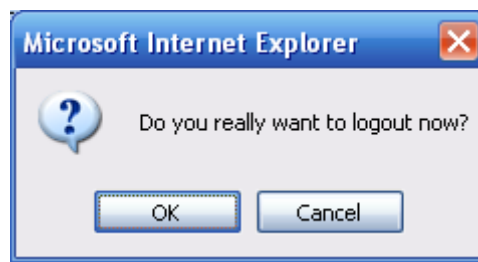


Figure 3-68

Note:

- This user's manual is for reference only. Slight difference may be found in the user interface.
- All the designs and software here are subject to change without prior written notice.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.