

DSS User's Manual

Version 6.02.000

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Welcome

Thank you for using our Digital Surveillance System (DSS)!

This user's manual is designed to be a reference tool for operation of your system.

Here you can find detailed operation information about DSS.

Important Safeguards and Warnings

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Note:

- Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise it may cause fire.
- The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device without professional instruction.

Warning:

- Please use battery properly to avoid fire, explosion and other dangers.
- Please replace used battery with battery of the same type.
- Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

Special Announcement

- This manual is for reference only.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.

1 Overview

DSS Platform is software for user to manage DSS and it has the following functions:

- Multi-device, multi-channel real time monitoring and record playback
- Local snapshot, record mark and etc. of playback record
- E-map function allows user to position the device at any time.
- Audio intercom allows client to communicate with front-end device and broadcast.
- Video intercom, remote unlock and talk
- Easy management and Control TV Wall display synchronously.
- Customize monitoring plan and supports multi-channel/window video tour.
- Alarm activation with alarm video
- Mouse simulating rocker to control PTZ
- Fisheye and speed dome link
- Access control, alarm controller arm/disarm
- Behavior analysis, people count, heat map.

2 Configure System

Before you use the platform, please follow the steps listed below to set the initialization information.

2.1 Startup

Connect the power supply and startup.

The first time you startup, system will format the hard disk automatic, may take you about 10 minutes, please be patient.

Note: DSS Built-in one 1T corporate hard disk, if system start abnormal, need to check whether the hard disk is loose.

Before you use the platform, please set system IP address.

DSS default IP address:

- port 1:192.168.1.108
- port 2:192.168.2.108
- port 3:192.168.3.108
- port 4:192.168.4.108

2.2 Get IP Address

If you forget DSS platform IP, you can find it back via Dahua ConfigTool. Use version later than General_ConfigTool_Eng_V3.21.0.R.151219.exe.

Step 1. Use Ethernet cable to connect DSS system to PC. Open ConfigTool, see Figure 2- 1.

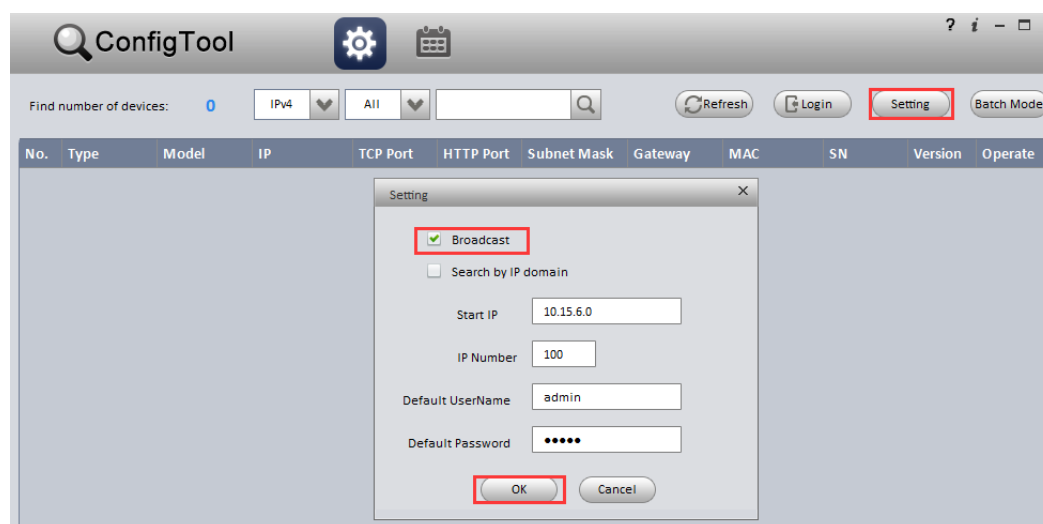


Figure 2- 1

Step 2. Click Refresh, it shows device list and related information searched in LAN, including DSS. See Figure 2- 2.

No.	Type	Model	IP	TCP Port	HTTP Port	Subnet Mask	Gateway	MAC	SN	Version	Operate
31	DSS	DSS	172.7.2.217	5050	80	255.255.0.0	172.7.0.1	9c:5c:8e:4e:b9:8f	9c:5c:8e:4e:...	1.00.000	
32	DSS	DSS	172.7.57.157	5050	80	255.255.0.0	172.7.0.1	4c:11:bf:0b:66:03	1C00839PA8...	6.02.000	
33	DSS	DSS	172.7.56.61	5050	80	255.255.0.0	172.7.0.1	4c:11:bf:0b:66:0e	1C00839PA8...	6.03.000	
34	DSS	DSS	172.7.55.190	5050	80	255.255.0.0	172.7.0.1	9c:5c:8e:4f:4f:29	9c:5c:8e:4f:4...	3.22.000	
35	DSS	DSS	172.7.57.101	5050	80	255.255.0.0	172.7.0.1	f8:bc:12:4e:3f:b6	f8:bc:12:4e:...	3.22.000	
36	DSS	DSS	192.168.2.190	5050	80	255.255.255.0	192.168.2.173	9c:5c:8e:4f:4f:2a	9c:5c:8e:4f:4...	3.22.000	
37	DSS	DSS	172.7.56.60	5050	80	255.255.0.0		4c:11:bf:0b:66:0a	1234567890...	3.20	
38	DSS	DSS	172.7.56.76	5050	80	255.255.0.0	172.7.0.1	4c:11:bf:25:33:d9	1E03F27PB...	6.03.000	

Figure 2- 2

2.3 Quick Guide

Please input <http://ip/config> on the IE and then click Enter button. System pops up the following dialogue box. See Figure 2- 3.

Config System

Username:

Password:

Figure 2- 3

1. Please input user name and password. System default user name is **admin** and password is **123456**.
Note: For security reason, please change your login password after you first login. Password can contains number, letter, underline and other symbols.
2. The system shows Quick Guide interface, see Figure 2- 4.

The screenshot shows a network configuration window with a sidebar on the left containing a 'Quick Guide' and a list of configuration steps: Segment Setup, Server Config, Basic, Map Server, Email Server, Storage Config, Self-check, System Upgrade, and Advanced Setting. The main area has a top navigation bar with steps: TCP/IP (selected), LAN/WAN Mapping, Master/Slave, Hot Backup, N+M, Time, Map, and Email. Below this, a header says 'Select network mode, and configure IP address info.' The configuration fields include: Network Mode (Multi-address), Default Network Card (Network card 1 [eth0] [1000Mbps]), Select network card (Network card 1 [eth0] [1000Mbps]), MAC Address, IP Address (172.7.56.77), Subnet Mask (255.255.0.0), Default Gateway (172.7.0.1), Preferred DNS (8.8.8.9), and Alternate DNS (8.8.4.9). At the bottom right are 'Save and Reboot' and 'Skip' buttons.

Figure 2- 4

3. Configure TCP/IP.

1. Select appropriate network mode, and set IP address, subnet mask, gateway and etc. for different Ethernet cards.
2. Click Save and Reboot. If you do not want to configure, please click Skip. If you click Skip, the system will operate according to current IP and perform next config.

Note:


- Multi-address mode: known as multi-Ethernet card mode, you have more than one segment can configure with different segments; this mode requires higher network reliability.
- Such as: configure hot spare, which requires Ethernet 2 with hot spare server beat IP; as well as being used in plan with ISCSI extended storage. While, under planning of Ethernet port: Ethernet port 1 as server communication, port 2 as reserved, port 3 and 4 as ISCSI storage.
- Load balancing: known as Ethernet card binding mode, suitable for condition that requiring higher network band width, and used in plan of high performance demand or non-ISCSI storage.
- Fault-tolerant mode: (master-spare strategy) Only one device is in active status, and when one device goes down, the another immediately switches from hot spare to master device. MAC address is visible from outside. Viewing from outside, bond MAC address is exclusive in order to switch disorder. This mode only provides fault tolerant function; so this algorithm may improve usability of network connection, but its resource utilization is low as there is only one port in working status and when there are N network ports, its resource utilization is 1/N.
- Advanced binding: used to let user select quantity of Ethernet card to be bound when the Ethernet card mode is load balancing, in order to achieve stream forwarding over 1K by one Ethernet card; for example: 2 IP bindings, plus 2 multi-addresses, this server can have 3 IPs, and bound IP bandwidth is 2K, the other 2 are 1K, suitable for pure stream forwarding scene (storage not recommended).

4. LAN/WAN mapping config.

Configure IP address, router address and each type of server port. Click Save and Next. If you do not configure, then click Skip.

Note:

If the system access WAN via router LAN/WAN mapping, then you need to fill in WAN address and port info of related Ethernet port. If no port is mapping, then you can main port config. Address of router is the address accessed by WAN.

5. Click  next to each server name, you can view related server definition, see Figure 2-5.

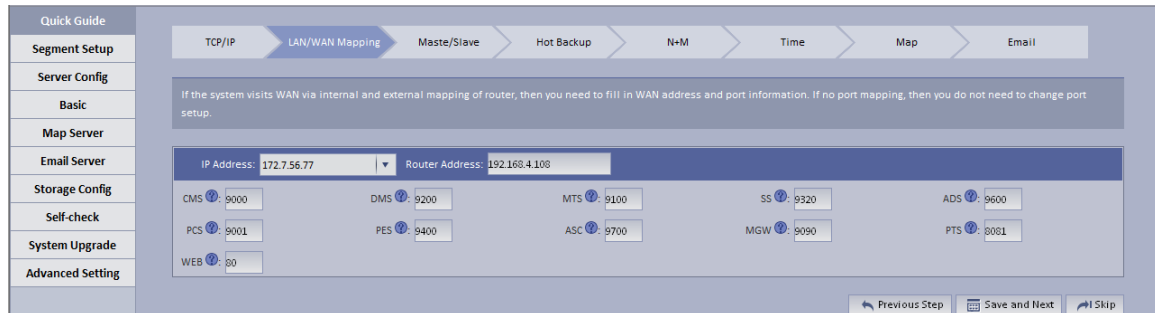


Figure 2- 5

6. Master/slave server selection.

By default, the system uses master server, and if you want to set it to slave server, please select Slave. See Figure 2- 6. Click Save and Next. If you do not configure, click Skip.



Figure 2- 6

Note:

Server in a distribute system has two types: master and slave. There is only one master server and the rest are slave servers. Master server is the only controller which manage data, device and dispatch other distribution work. In the system, only master server will enable database (mysql server) , tomcat and CMS and etc. Role of distribute server includes device input+forward+storage, only enable corresponding function services, such as DMS, MTS, SS, ARS, PCPS and etc. The entire system has only one port to user which is master server IP address.

7. Hot spare.

If the system configures hot spare, when master server goes down, hot spare server will replace master server and continue working, to main system stability. When master server recovers, the system will switch back to master server, see Figure 2- 7.

Quick Guide

Segment Setup

Server Config

Basic

Map Server

Email Server

Storage Config

Self-check

System Upgrade

Advanced Setting

TCP/IP > LAN/WAN Mapping > Master/Slave > **Hot Backup** > N+M > Time > Map > Email

If you want another server to replace this main server and maintain system operation after main server finish downtime, please configure a hot spare service for this main server, fill in the following info and save.

Virtual IP:

Mask:

Spare IP:

Spare beat IP:

Spare config system:

Spare config system:

☒ Clear Alarm Data To shorten preparation time for basic data, all alarm data will be cleared.

Figure 2- 7

Parameter	Note
Virtual IP	An IP not used in network segment and is configured with virtual IP. No matter where master server or hot spare server works, they all can be accessed via virtual IP without distinguishing master and hot spare servers.
Mask	Mask info.
Spare IP	Hot spare server IP address, known as address of port 1 of hot spare server.
Spare beat IP	<ul style="list-style-type: none"> Hot spare server beat IP address, known as address of port 2 of hot spare server.
Spare config system user (password)	Hot spare server CONFIG SYSTEM account and password.
Clear Alarm Data	After hot spare is configured, the system will auto sync master data with spare. If master alarm information is too much which causing long time for sync, it will clear alarm data on master server when hot spare is enabled by default.

Configure virtual IP, hot spare server IP and etc., click Save and Next. If you do not configure, then click Skip.

Note:

Before the system starts hot spare, first make sure the master server and hot spare server are correctly configured physically and port 2 of both master and hot spare servers are connected via Ethernet cable within the same segment. Port 1 of both master and hot spare servers is configured to have different accessible addresses within the same segment. See Figure 2- 8.

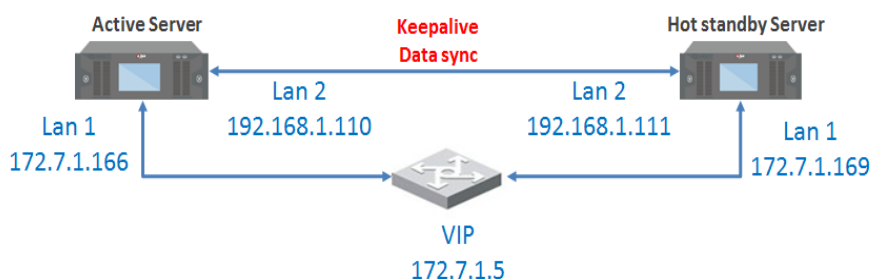


Figure 2- 8

Note: During hot spare, we do not recommend to use master and hot spare servers as central storage.

8. N+M.

The system shows “N+M” interface, see Figure 2- 9. N+M backup is for mechanism of slave server in a distribute. After a distribute server add redundant server, if this slave server goes down and cannot reboot in 60s, CMS will allocate device and business of this slave server to redundant server, meantime it will save record on disk of redundant server.

1. First login CONFIG SYSTEM of the slave server you want to configure, in distribute, select Slave, see Figure 2- 9.

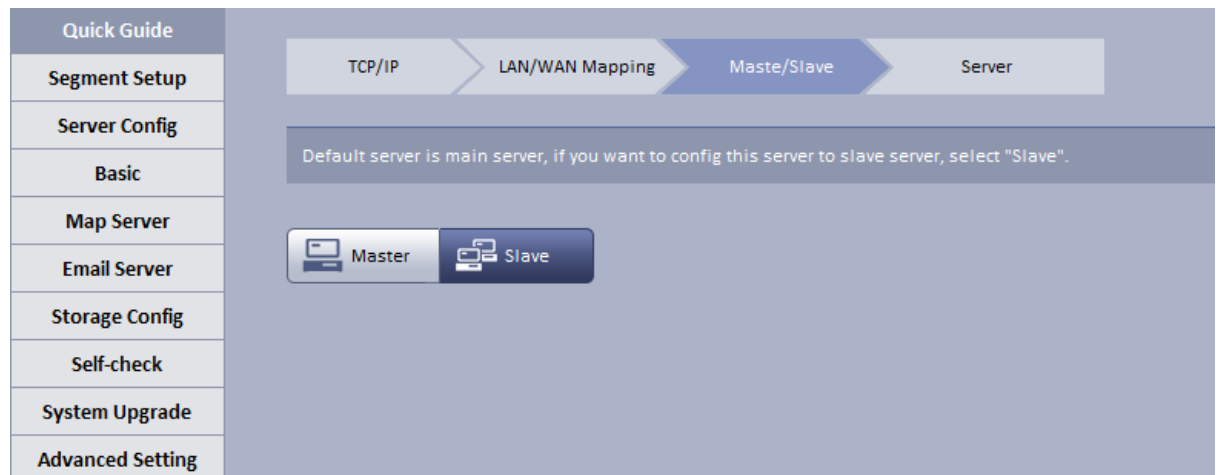


Figure 2- 9

2. Fill in master server IP, see Figure 2- 10.

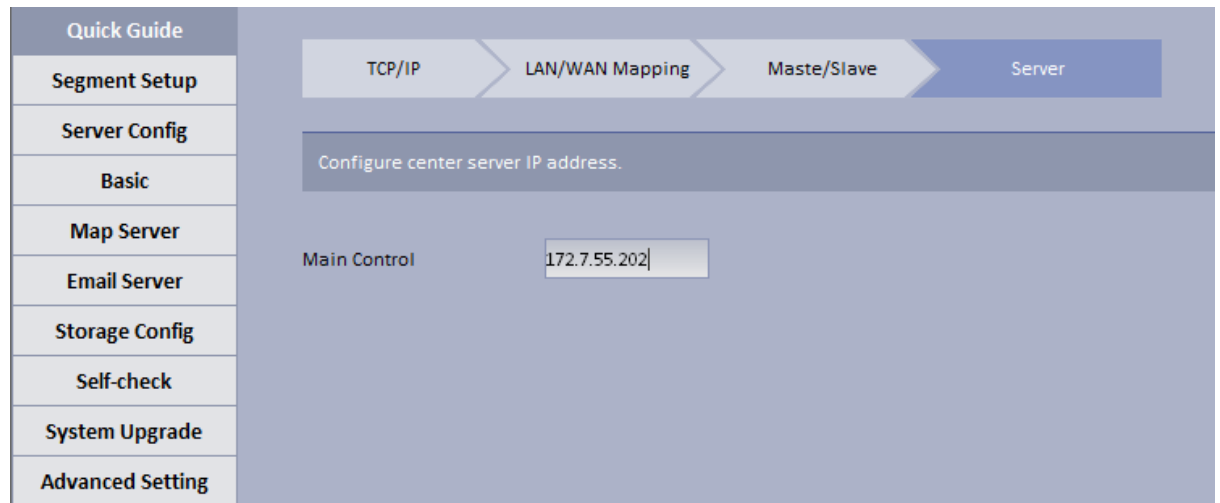


Figure 2- 10

3. Login master server CONFIG SYSTEM, in N+M interface, you can see all slave servers, see Figure 2- 11.

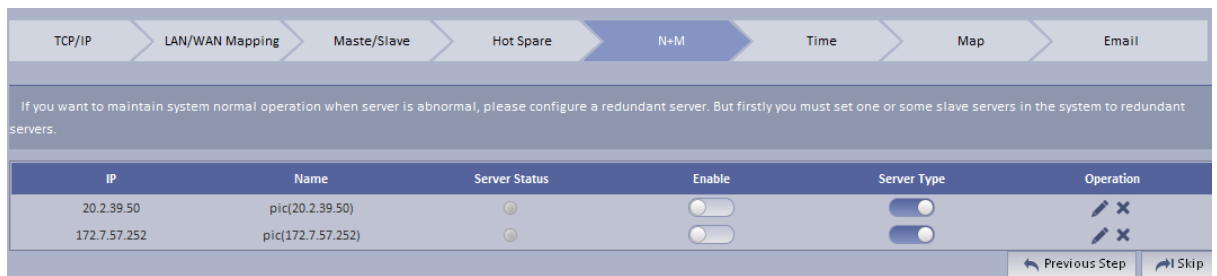


Figure 2- 11



4. Select corresponding slave server, in “Enable” column, enable button, and after server reboots, Server Status shows  which means that slave server can be used as normal, see Figure 2- 12.



Figure 2- 12

5. If you want to configure redundant server for slave server, select slave server you want to configure it to redundant server. In Enable column enable button, and in Server Type column modify server type to be non redundant server type.
6. Select one slave server, click  button, the system pops up edit box, see Figure 2- 13.

Select redundant server on the left, click Add to add it to the right, click OK.

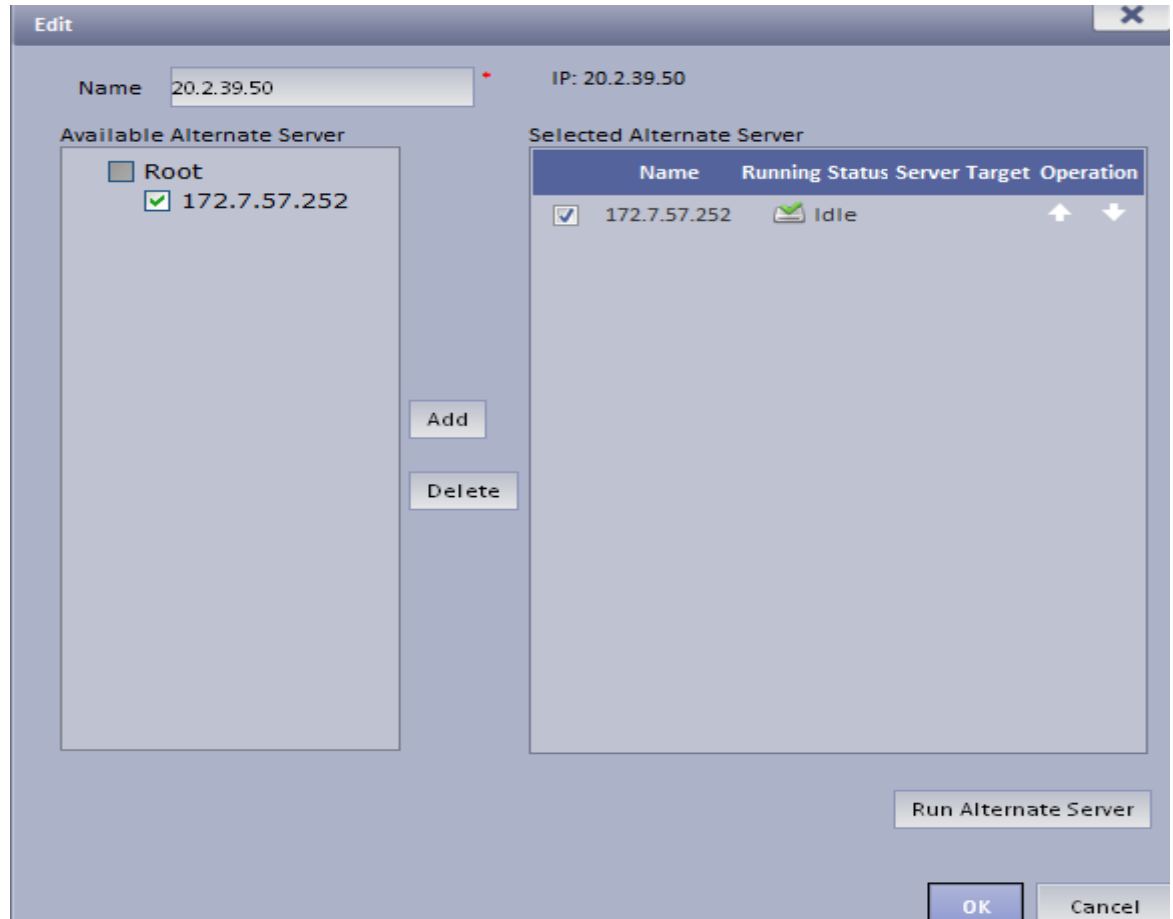


Figure 2- 13

After set redundant server, you can see Figure 2- 14.






IP	Name	Server Status	Enable	Server Type	Operation
172.7.56.63	12		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	 
172.7.57.252	172.7.57.252		<input checked="" type="checkbox"/>	<input type="checkbox"/>	 

Figure 2- 14

When distribute server goes down, redundant server will replace it in 60s and you may view status of redundant server.

Click  button next to redundant server, to view info in home server mounted by redundant server and current operation status. See Figure 2- 15.

Edit

Name

172.7.57.252

IP: 172.7.57.252

Home Server


Name	Main Server Status	Alternate Server Status
20.2.39.50	 Running	

Figure 2- 15

Note:

- Server status: green means that distribute server is running, when you add device, you can mount it on current distribute server; grey means that the distribute server is not used, when you add device, this distribute will not be shown in server list; blue means that this server is redundant.
- Enable: highlight means that server is enabled. Grey means disabled.
- Server Type: highlight means that it is distribute server for now; grey means that it is redundant server for now.

Note:

- During N+M backup, certain data will be lost depending on size of stream.
- When redundant server is working, the record originally saved on slave server can be searched but cannot be played, but if original slave server has been recovered from abnormality but the device has not been moved back, those records on original distribute server can also be played.
- When distribute server recovers, you can manually move back device to original slave server. In Figure 2- 16, click the red button, now you can search and playback record in both slave server and redundant server.

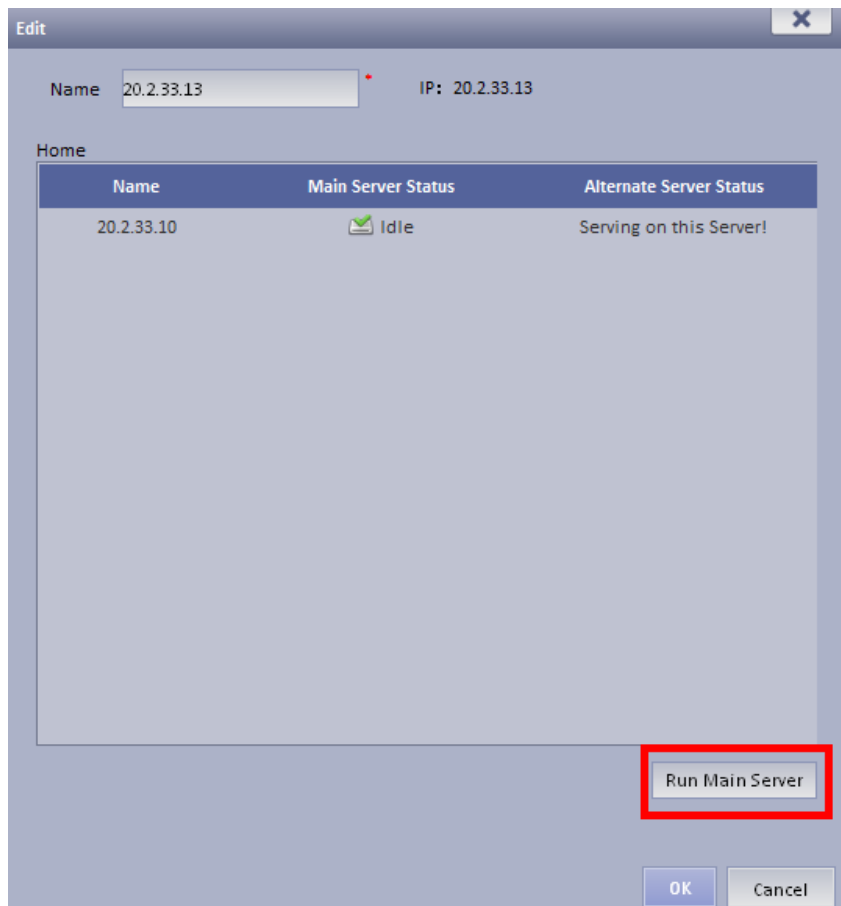


Figure 2- 16

9. Set Time. The system shows Time interface, see Figure 2- 17.

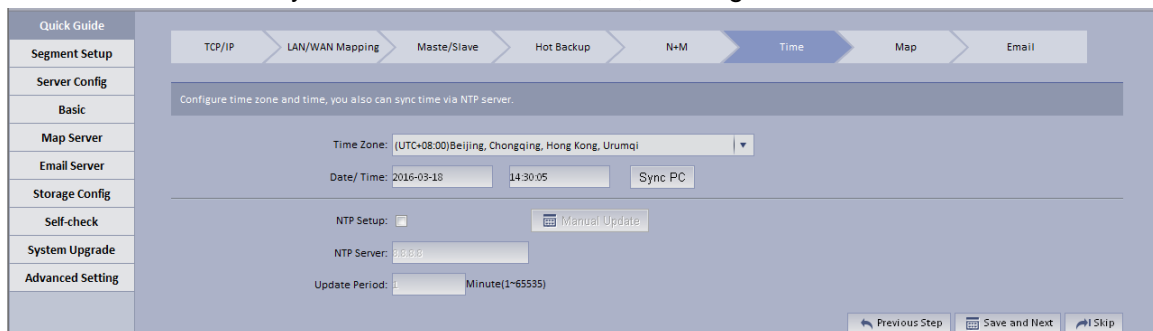


Figure 2- 17

1. Configure time zone and time, default is UTC+08:00, it can quickly sync with PC. If there is NTP server, you may configure to ensure accuracy of DSS time.
2. Click Save and Next, if you do not configure, please click Skip.

When NTP sync with server, scene are not the same:

NTP sync may target server at a specific server (has NTP function) to sync time, while only can remain syncing with one server.

Remain sync time:

Sync time on Manager-end, it sync serves of entire group related to this server.

Hot spare, master/slave server time config, you can check NTP sync, enter identical server IP,

see below:

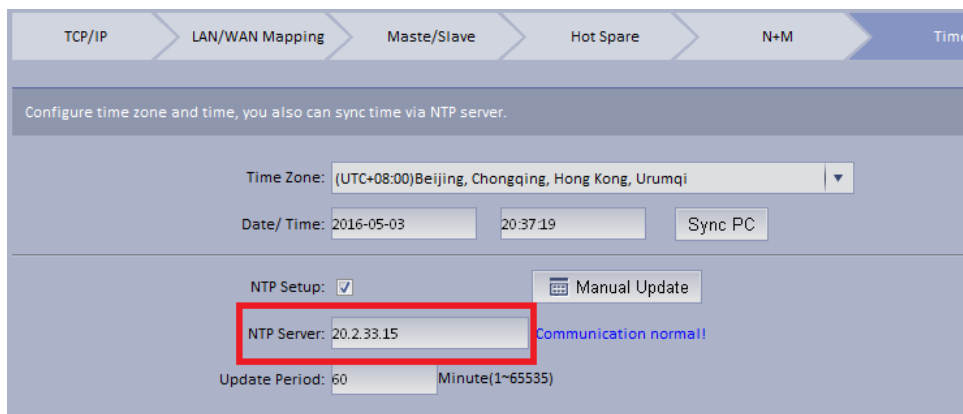


Figure 2- 18

10. Set Map. The system shows Map interface, see Figure 2- 19.

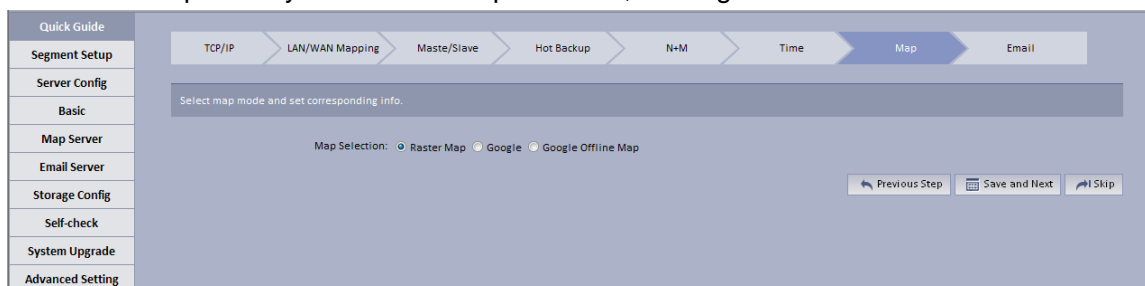


Figure 2- 19

Note:

- **Raster Map:**
Raster picture shows one picture, suitable for indoor environment. Fix camera at a position indoor, such as parking lot to count traffic flow. Server uses raster map by default.
- **Google:**
Google online map requires client has right to access Google map, and via network use Google online map, it shows map of a entire city which can be zoomed in/out. The map can be visible as a city in whole, or precise to a specific point.

In map config page, select Google, fill in longitude and latitude of the target city plus zooming setting, save. After server reboots, in client and manager-end, you can see Google online map, see Figure 2- 20.

Figure 2- 20

- **Google offline map:**

Google offline map deploys offline map on other server, and network exists between client which accessing Google map and Google offline map server, thus it can access Google offline map as same with Google online map.

1. In map config page, select Google offline map, fill in map server address, and set the rest same with Google online map.
2. Click Save and Next. If you do not configure, click Skip.

11. Configure Email.

The system shows Email interface, see Figure 2- 21.

12. Configure email server. When alarm occurs, this email server may send email to specific user.

Figure 2- 21

Parameter	Note
SMTP Address	Fill in email server address.

Parameter	Note
Port	Fill in email port.
Username and Password	Username and password of email box sends out email.
Sender Mail Address	• Email address.
Encryption Type	There are 3 types, 1. No encryption, 2. TLS encryption, 3. SSL encryption. Method of encryption can be used for inter-organization email server.
Test Recipient	Enter email address of a test receiver, click Mail Test. So he/she can receive a test email to check the email setup.

13. Fill in all contents, click OK. Reboot server.

2.4 Segment

TCP/IP config, LAN/MAP mapping are same as config in wizard, skipped here.

2.5 Server

Click Server Config on the left, see Figure 2- 22.

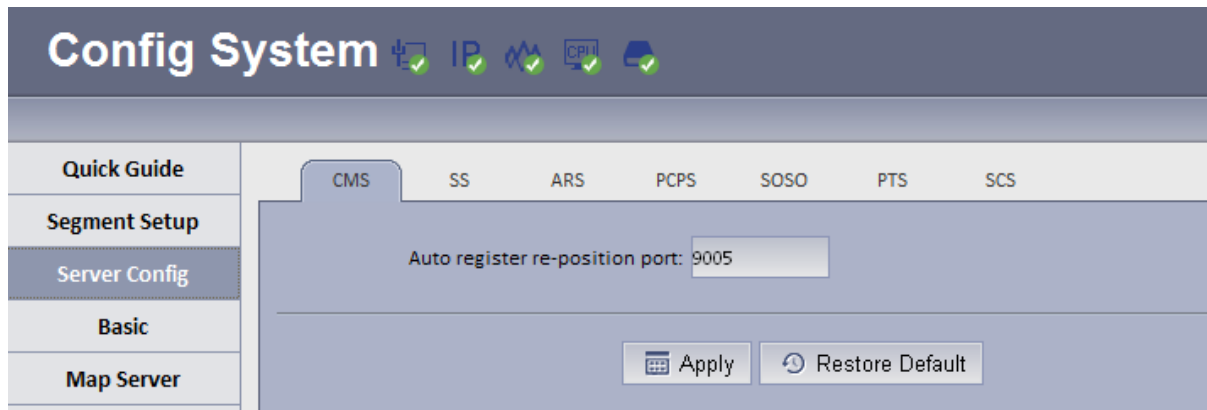


Figure 2- 22

- CMS:

This function is mainly for registration of CMS device mount on N+M back.

Auto register device: need to fill in server IP and CMS port (by default ARS server port is 9500), if you directly write server IP, then when the server goes down, redundant server will replace, and the Auto register device cannot register to redundant server.

To prevent this situation, when you register it, fill in hot spare VIP for server IP, and fill in port as port of CMS (9500 by default).

By auto registering Auto register device, when server has redundant server replacement, it can be used as normal.

Note: This function requires specific device (please refer to the device).

- SS

Max locked record ratio: record lock function, currently only support to lock center record; after record is locked at client, when storage disk is full and overwrites, it skip locked record and overwrite non-locked record.

Default ratio is 10, and user can customize size of lock record.

- ARS:

Auto register server IP is server port, which is 9500 by default. It can be modified as long as identical with registration on device.

Stream type: self-adaptive, main stream and sub stream.

Self-adaptive: when access client, according to client setup, stream self adapts to change.

Main stream: when access client, do not affect by client setup, stream type shows main stream.

Sub stream: when access client, do not affect by client setup, stream type shows sub stream.

Currently stream type setup is valid for static connection auto registration device (device auto register type, please refer to device).

- PCPS

This option is for non-Dahua device connection. Please maintain default setup.

- SOSO server



Figure 2- 23

SOSO server config is to filter search content.

In DSS Manager-end interface, add device, click auto search. See Figure 2- 24.

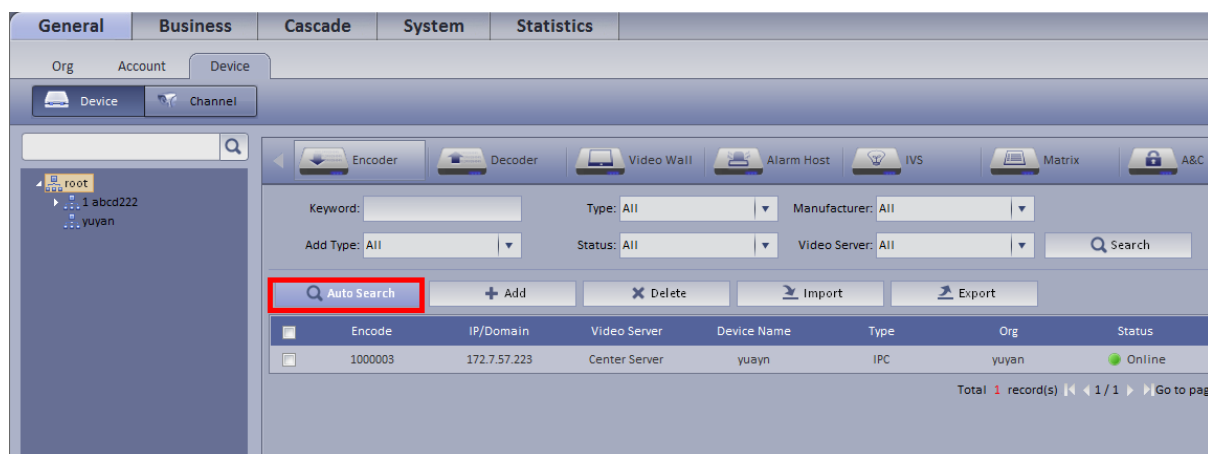


Figure 2- 24

Server enables auto search of Dahua device by default and disables auto search of ONVIF device, see Figure 2- 25.

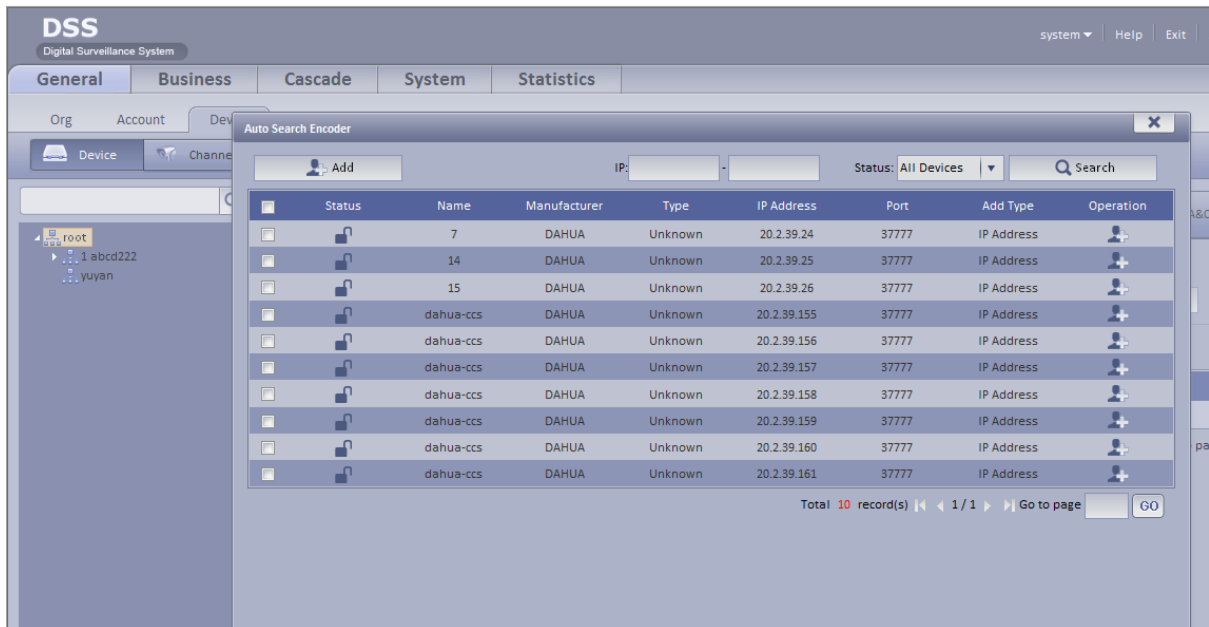


Figure 2- 25

- PTS server

Picture storage server port, 8081 by default.

- SCS server

SCS server config, current version is config item of video talk server. Default is in Figure 2- 26.

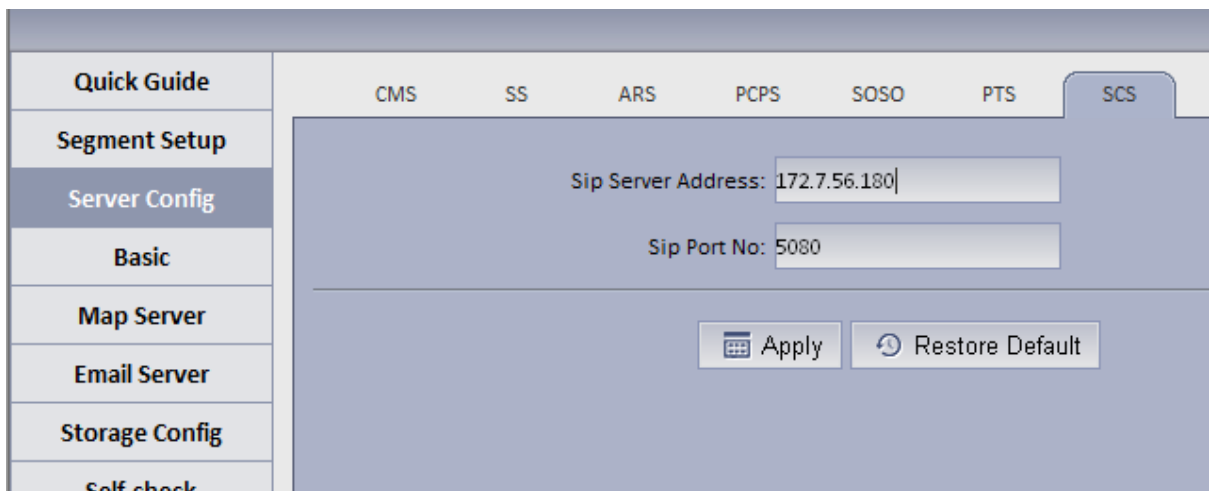


Figure 2- 26

Server address: server IP, port is 5080 by default. On device registered via sip server, the port must be identical. See Figure 2- 27.

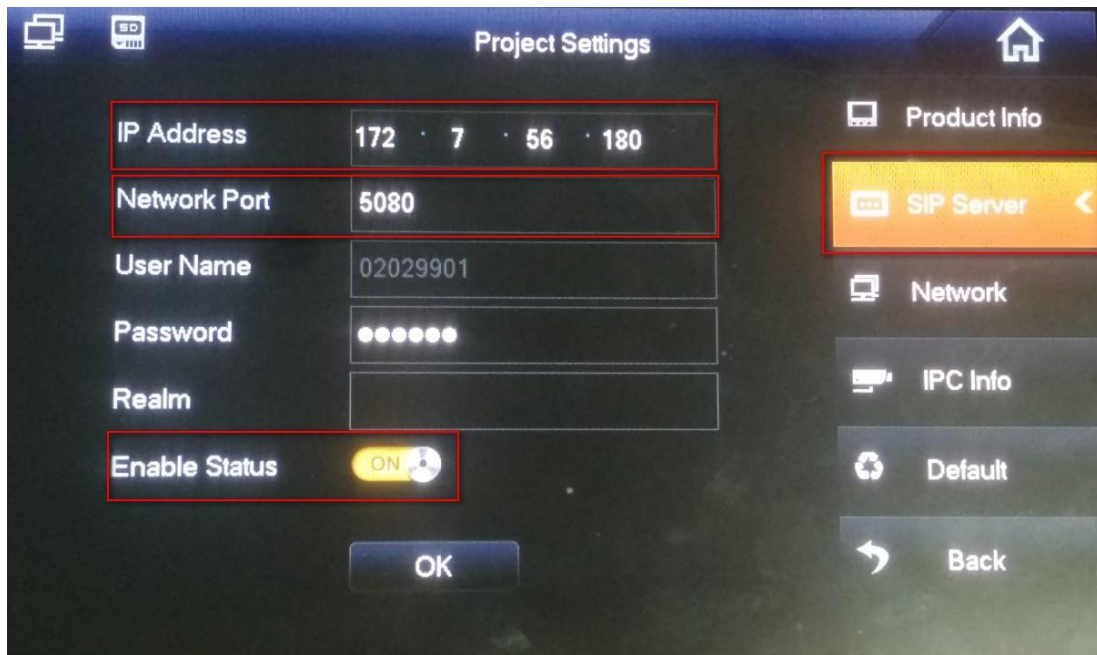


Figure 2- 27

2.6 Basic Config

- Account modification: login config account, modify login password.
- System maintain: support to reboot, shut down and restore.

Restore default: it will clear database and restore default status.

- Time setup

Function in wizard, skipped here.

- Web access port setup

In case web port 80 is occupied, you must modify to other port and assess the system again by entering IP address plus port no.

i.e.: port no. is changed to 801, the IP address shall be followed by "ip:801". See Figure 2- 28.

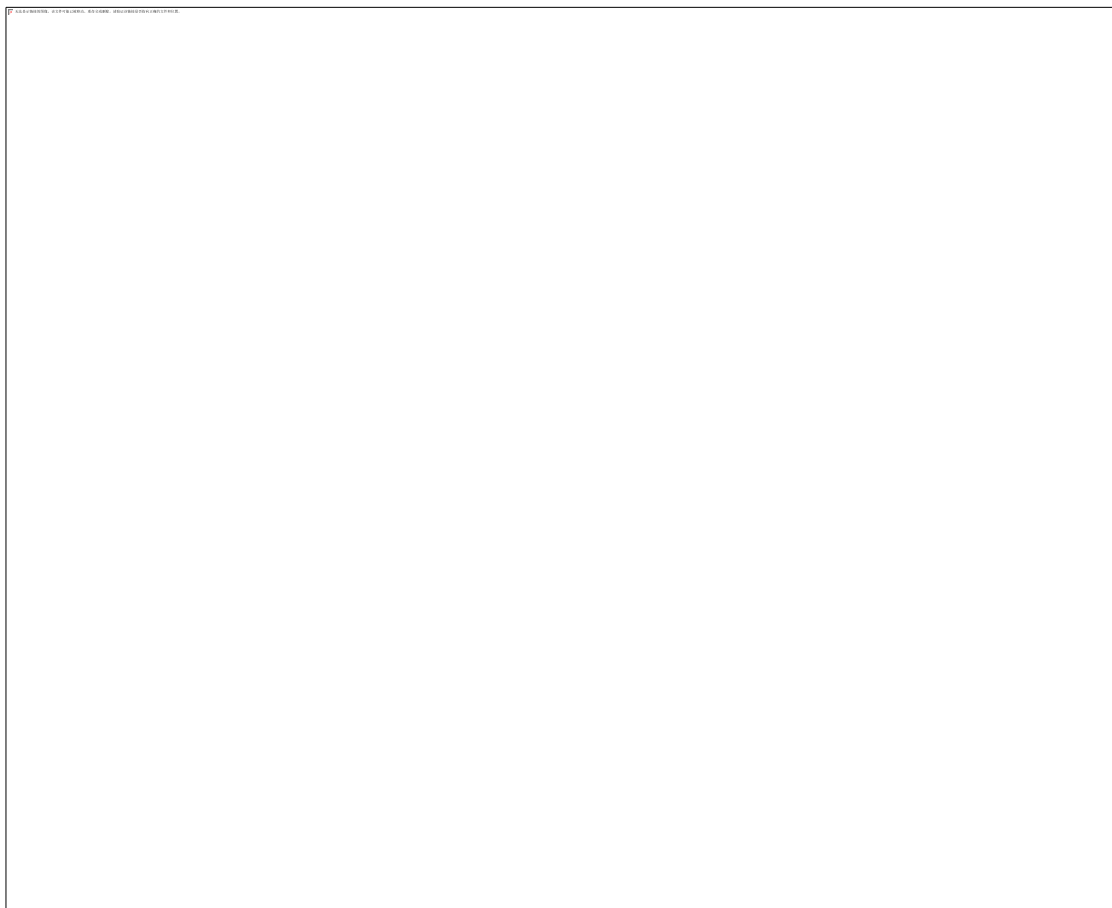


Figure 2- 28

- Add static router

In environment of single Ethernet card or multi-Ethernet cards, you may be able to access more than one network segment via router, here add static router addresses of these routers to prevent network address error.

- Ping check

Enter IP, click Apply, test whether platform server and other network are the save, and ether loss of packet exists.

2.7 Map

Map config is the same as in wizard, skipped here.

2.8 Email

Email config is the same as in wizard, skipped here.

2.9 Storage

Storage config includes local config and network config.

- Local config: plug hard disk to local server, and you can directly format hard disk and set type of video or picture.

Set to picture, this disk only stores picture info; set to video, this disk only stores video info; see Figure 2- 29.

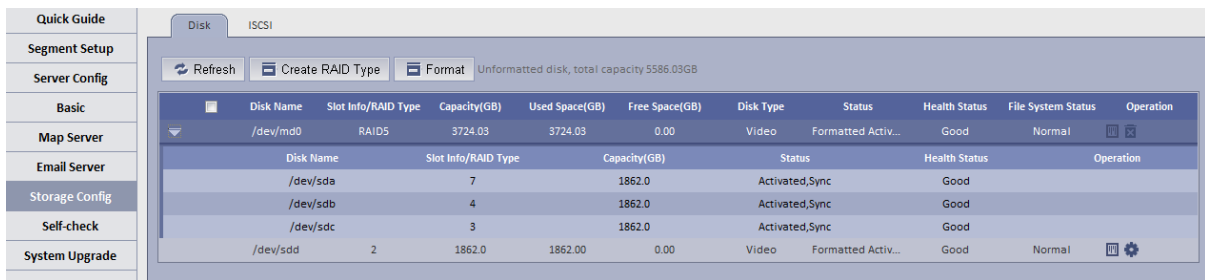


Figure 2- 29

Click Create RAID Type, to create Raid and improve data security.

Note:

Raid is a simple technology which can improve external storage solution which can be selected according to actual scene need. Currently the platform supports setup of multiple Raid methods, and user can customize this.

See Figure 2- 30.

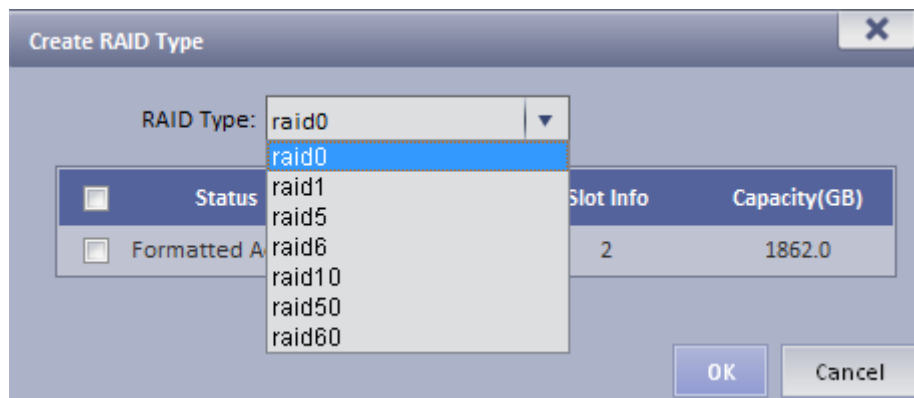


Figure 2- 30

Local config can set hot spare: local hot spare and global hot spare. Local disk may be selected to be hot spare. When other disks in use are failed, it can replace any of them.

Local hot spare: select one designated Raid group. (current only supports Raid5).

Set hot spare:

1. Select hard disk: select button to set hot spare, see Figure 2- 31.

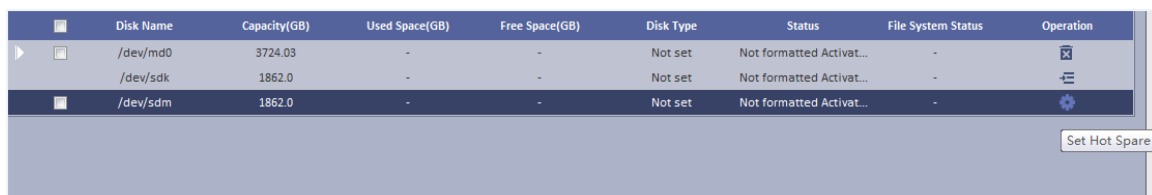


Figure 2- 31

2. After click the button, see Figure 2- 32 and select hot spare type.

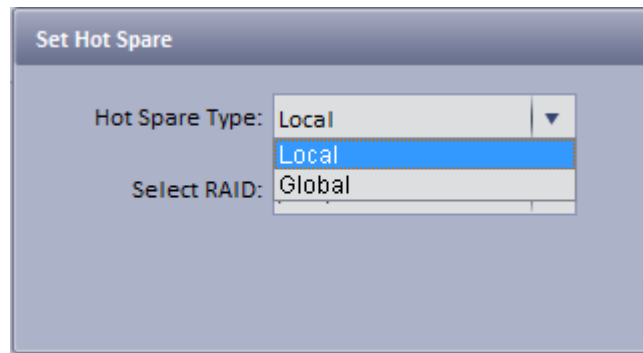


Figure 2- 32

If you select local hot spare (only support Raid5): locally select one raid5 group.



Figure 2- 33

After setup is successful, view Raid5 group which has one additional hot spare disk. When any one of raid5 disk is broken, local hot spare will continue working.

	Disk Name	Capacity(GB)	Used Space(GB)	Free Space(GB)	Disk Type	Status	File System Status
	/dev/md0	3724.03	-	-	Not set	Not formatted Activat...	-
	Disk Name	Capacity(GB)			Status		Operati
	/dev/sda	1862.0					
	/dev/sdc	1862.0					
	/dev/sdl	1862.0					
	/dev/sdm	1862.0					

Figure 2- 34

- If select global hot spare. See Figure 2- 35.

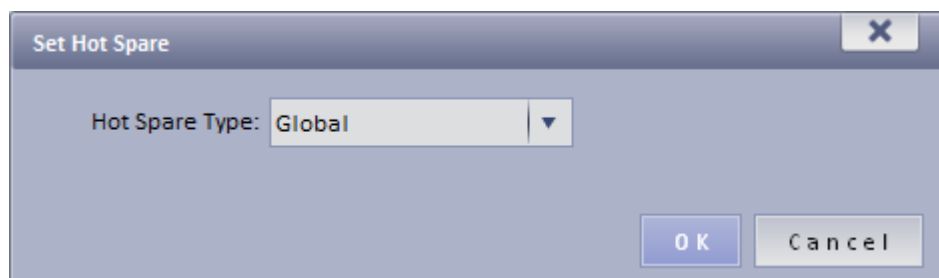




Figure 2- 35

After setup is successful, when any one storage disk in server is broken, global hot spare disk will replace it and continue working.

At the upper left corner of system self-check interface, it shows system real-time operation status.  means normal,  means abnormal, see Figure 2- 40.

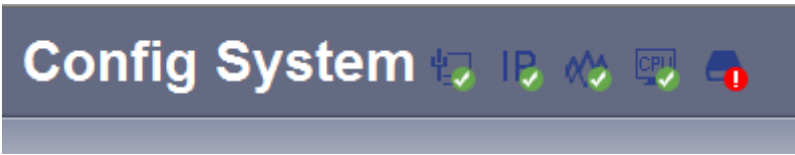


Figure 2- 40

Click to see corresponding details.

- Application check: it shows current system running server, database, FTP server operation status, see Figure 2- 41.

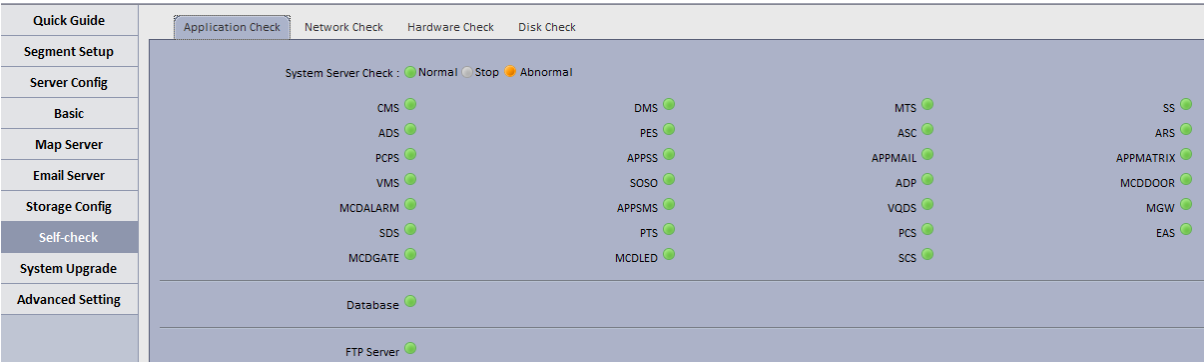


Figure 2- 41

- Network check: it shows current Ethernet card status and real-time stream in/out flow, see Figure 2- 42.

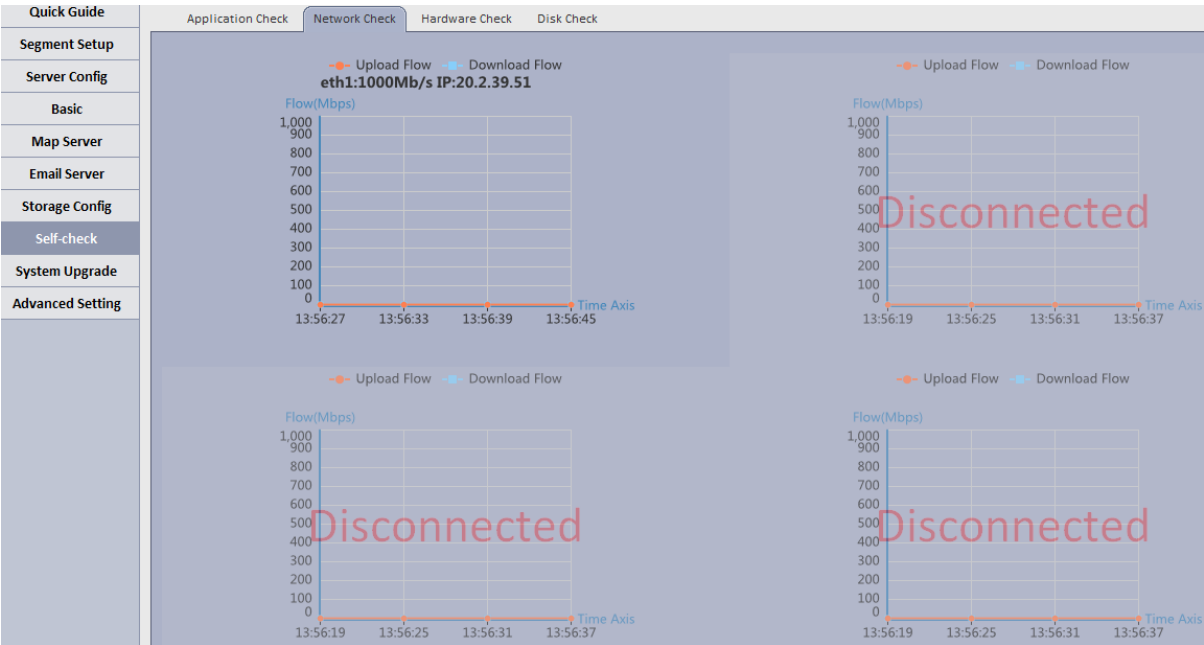


Figure 2- 42

- Hardware check: it shows current system running status, and real-time data, see Figure 2- 43.

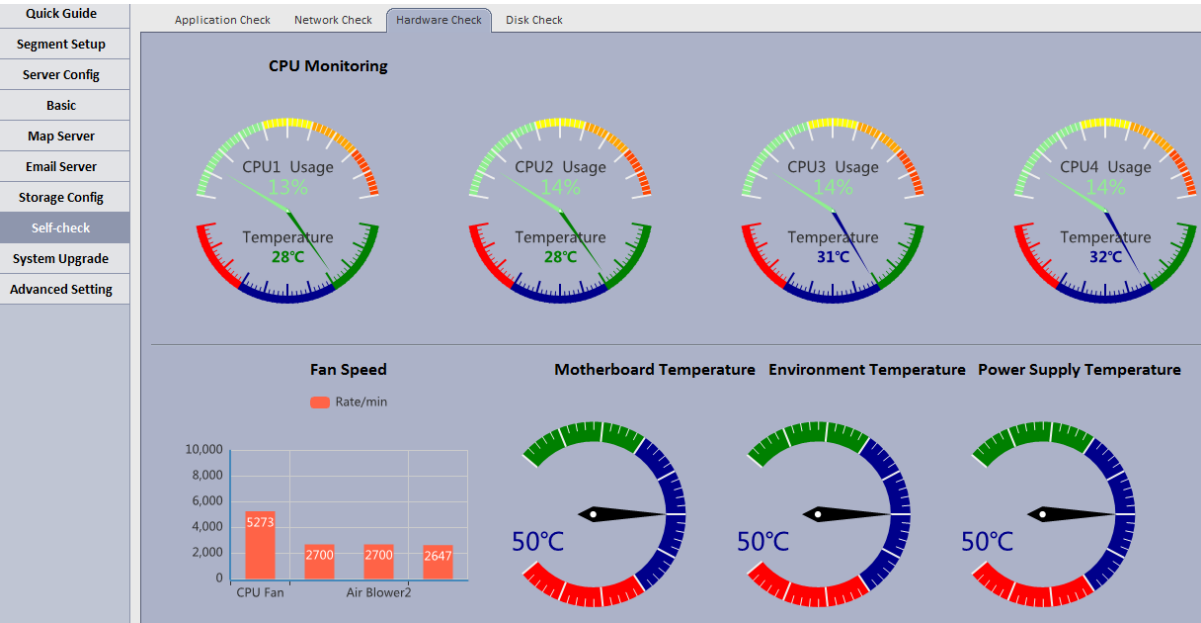


Figure 2- 43

- Disk check: it shows current system real-time mounted HDD operation status, including mounted hard disk of Raid disk in network storage server, see Figure 2- 44.

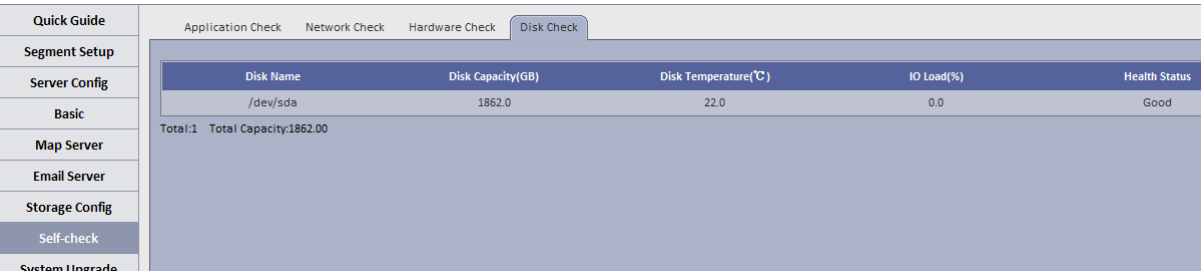


Figure 2- 44

2.11 System Upgrade

The system supports one-click WEB upgrading, compatible with tool upgrading, see Figure 2- 45.

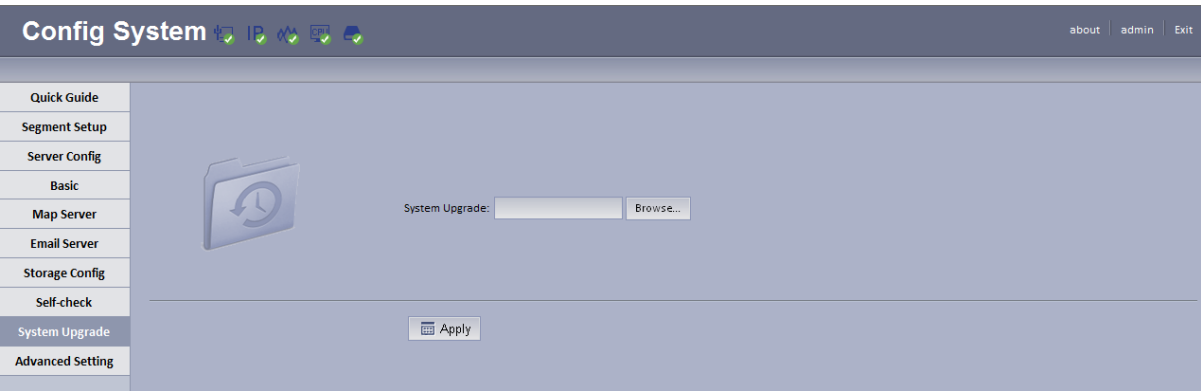


Figure 2- 45

2.12 Advanced Config

Master/slave config, hot spare config, N+M config are same as in wizard, so skipped here.

3 License

3.1 Login WEB

You can refer to the following steps to login DSS manager. In Internet Explorer, input IP address of DSS, press Enter. You will see 错误!未找到引用源。 .

Default username is **system**. Default password is **123456**.

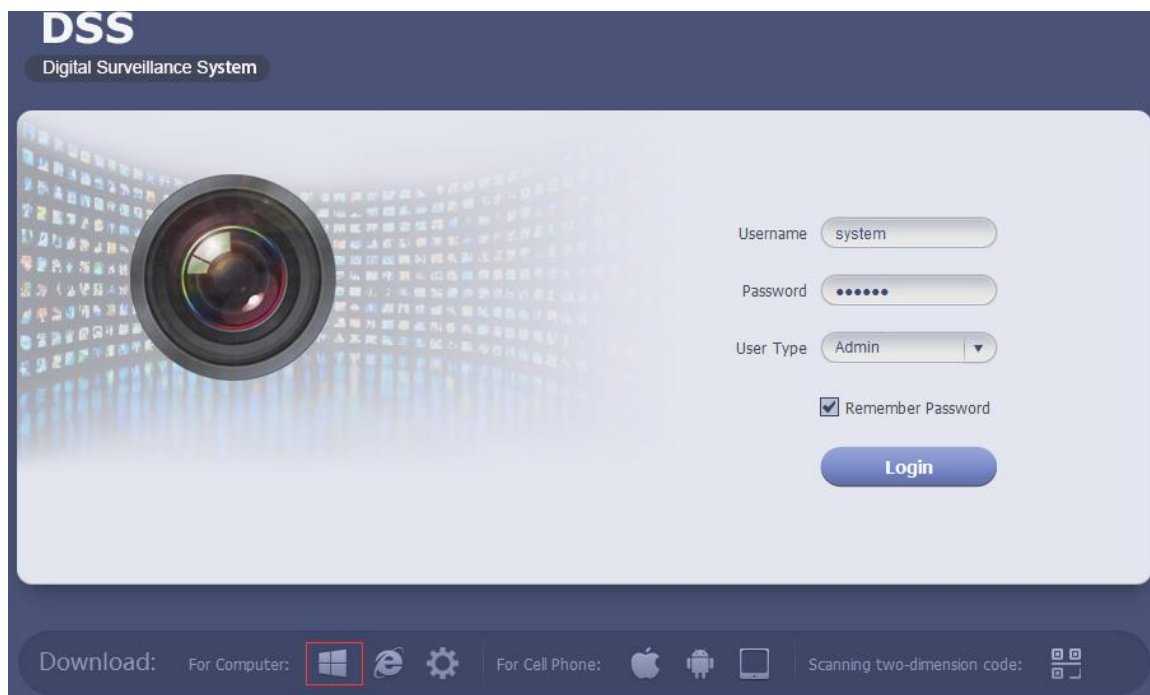


Figure 3- 1

Note: You can download DSS Client on this login page. If it is your first time login DSS Manager, please add its IP address into the trusted site of your explorer.

3.2 License

It is just for pure software version currently, when you finished the install, the system only provides a trial version with 30-day basic video function, if system need support much more, include channel number, add-ons, and more long, can contact the business man to apply.

Step 1. Login DSS Manager.

Step 2. Click License at the upper-right corner.

The system provides a trial version support basic video function with 30-day and 100 channels default.

Step 3. you can apply for a 30-day value-added function trial, currently, the system support POS, People Count, Video Talk, Trial only free 100 channel and 30-day

Step 4. you also can purchase the service. Click Buy bar, see Figure 3- 2.

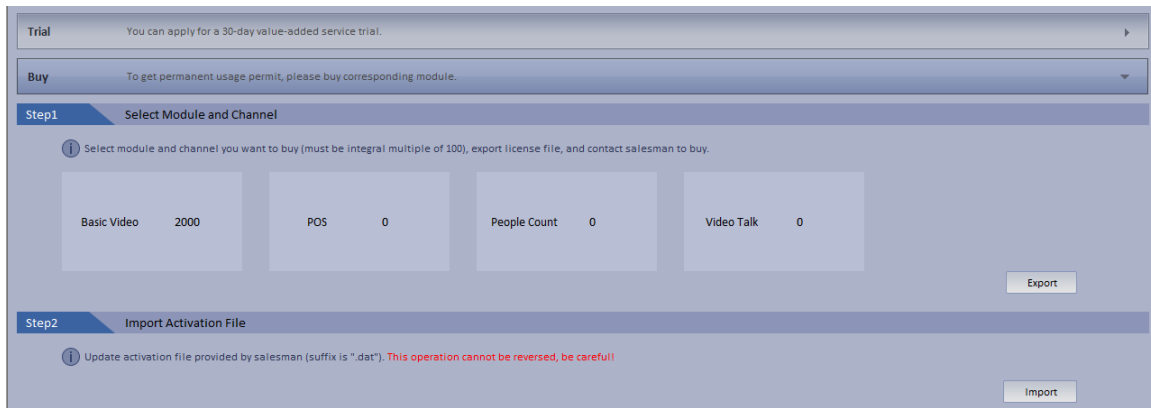


Figure 3- 2

Step 5. Enter number of channels you want to purchase, click Export.

Step 6. Send exported License file to supplier, and after you have gotten activation file, click Import to import it into the system.

Note:

If the device is whole unit model (DSS4004 or DSS7016D), then its control of right may be different from pure-software server. A whole unit device can only control device boot up while cannot limit channel quantity.

Step 1. Check module you want, such as check POS and flow count, click OK, then export file.

See Figure 3- 3.

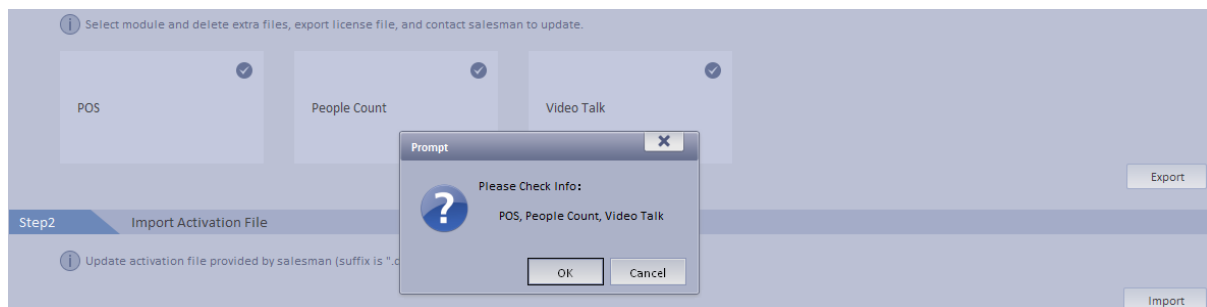


Figure 3- 3

Step 2. Send the file you just exported to salesperson.

Step 3. After salesperson receive the file, import the file, see Figure 3- 4.

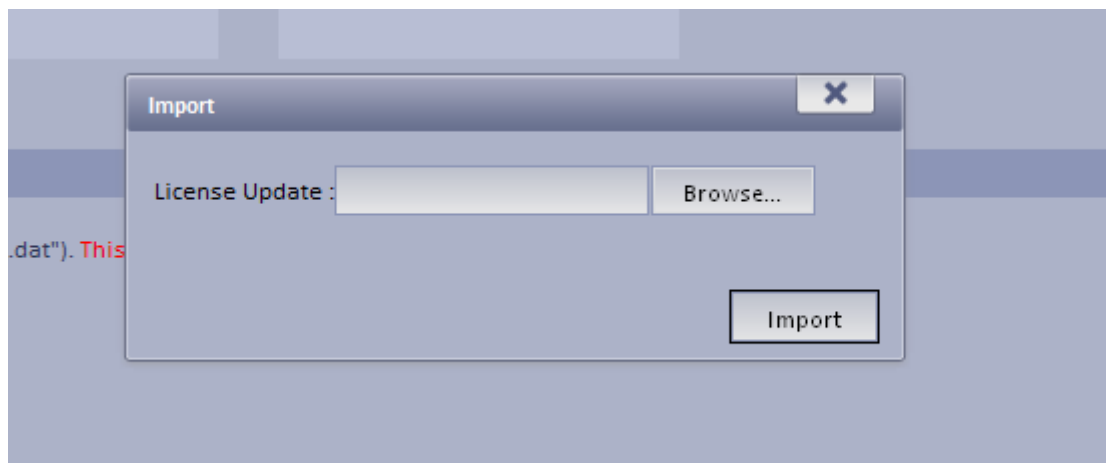


Figure 3- 4

Step 4. After file is imported, refresh page, it shows module which you can select to support, see Figure 3- 5.

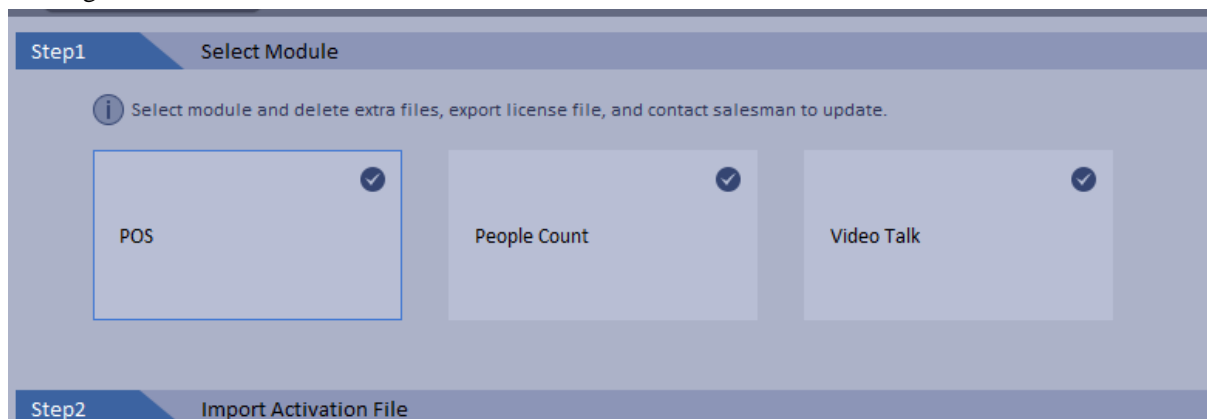


Figure 3- 5

4 Add Organization and Login User

You can enter IP address of DSS platform in IE to login Manager.

4.1 Add Organization

Before you add device, you need to add organization of current device. You can arrange, organize and manage layer of device in Org.

The default first-level organization is root node. Newly added organization will be displayed below the root node.

Select General>

Select General> Org, Org includes basic organization and logic organization. When you configure user role, if you select different organizations in the right area of “Device Right>Device Tree Display Right”, then in Client Live Preview interface, it shows device under the corresponding organization.

- Select General> Org.

1. Click .

System pops up Add Org box, see Figure 4- 1.

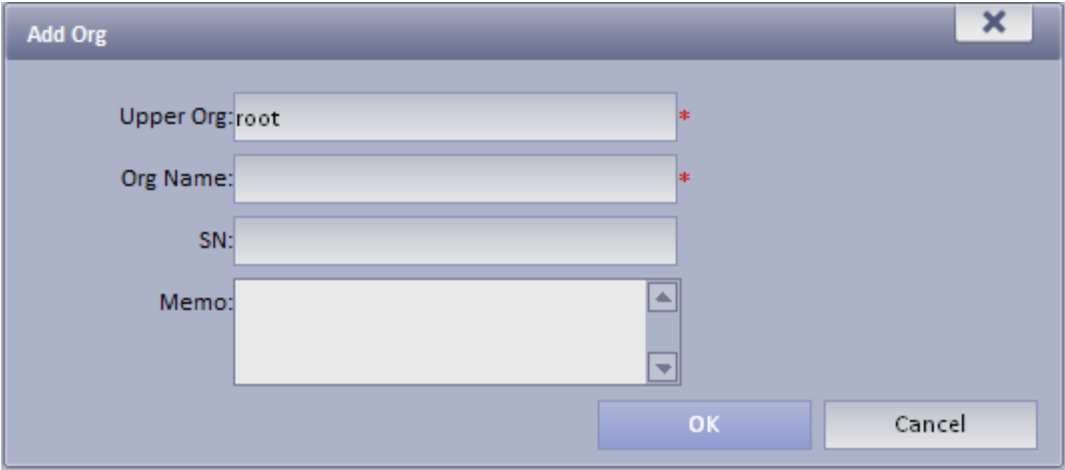
The image shows a dialog box titled "Add Org" with a close button (X) in the top right corner. Inside the dialog, there are four input fields: "Upper Org:" with the value "root" and a red asterisk to its right; "Org Name:" with a red asterisk to its right; "SN:"; and "Memo:" which is a text area with up and down arrow buttons on its right side. At the bottom right of the dialog are two buttons: "OK" and "Cancel".

Figure 4- 1

2. Select Upper Org, input Org Name, SN.

3. Click .

Note:You can only modify root node organization info, and you cannot delete this organization.

- Select Org>Logic Org, click Create Logic Org.
System shows Create Logic Org box, see Figure 4- 2

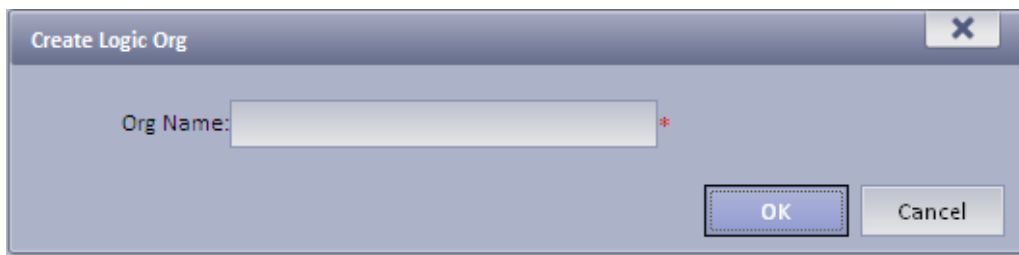


Figure 4- 2

1. Enter org name, click OK.
2. After you add new logic org in the area on the left, click ▼ and select config.
You also can click create login org in area on the left, then root node will be shown below.
3. In channel Config Channels area , select alternative channel and add it to selected channel. See Figure 4- 3.

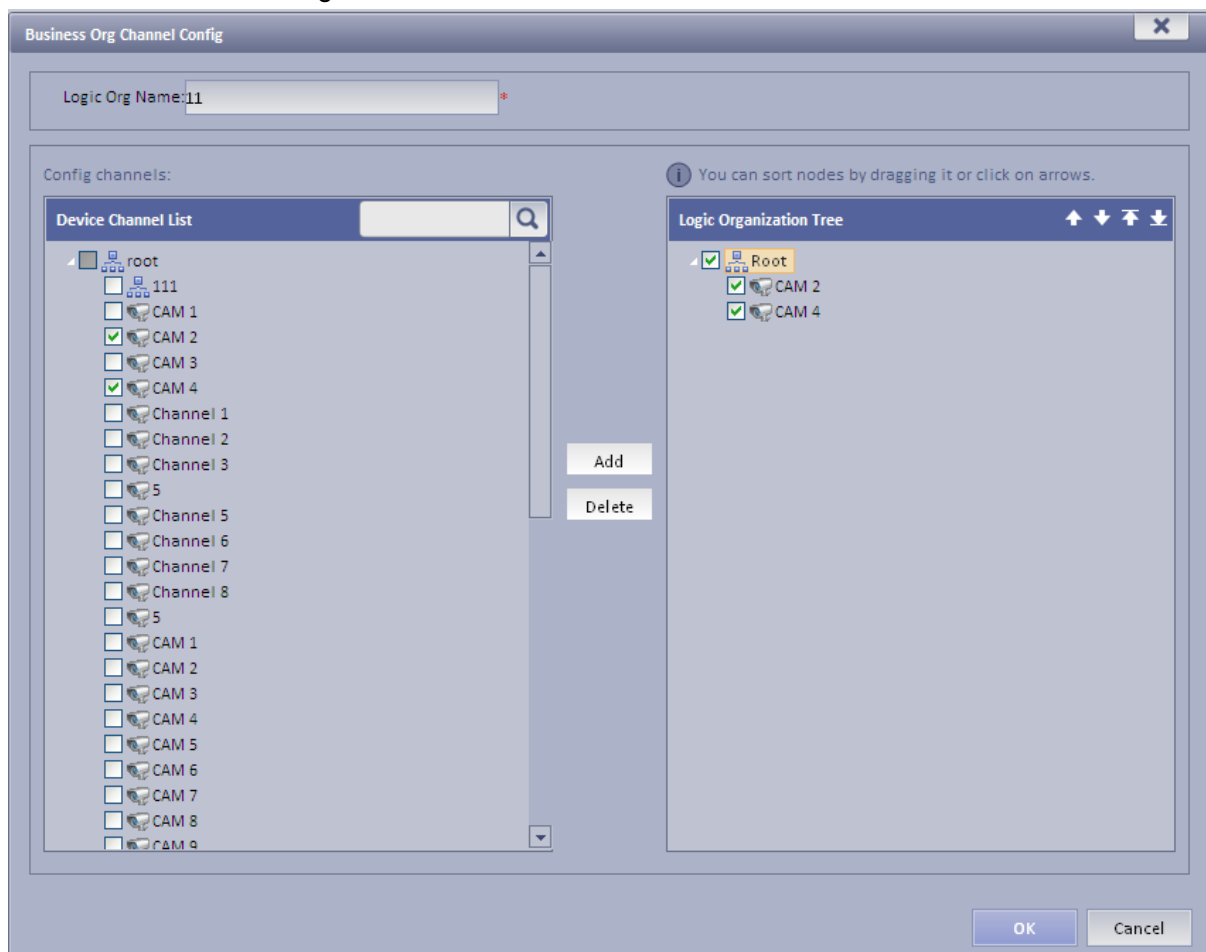


Figure 4- 3

You can adjust channel selection via ▲, ▼, ⇧ and ⇩.

4.2 Add User Role

DSS Platform supports to add user role and then add user. Existing user can login Manager as well as Client. Different user roles lead to different operation rights.

Rights of user role includes Administrator Menu right, Operator Menu right and Device right. You must grant these rights before you can operate.

Step 1. Click General>Account. System displays Account interface.

Step 2. Click Role tab.

Step 3. Click  Add . System pops up Add Role box.

Step 4. Input Role Name, and select Role Level.

Note: If you check Copy Role next to Role Name, and select one role from the dropdown box, then the info will be pasted to your selected role.

Step 5. Click Device Rights page, select right in Right Trees and select channel in Channel Tree on the right. See Figure 4- 4.

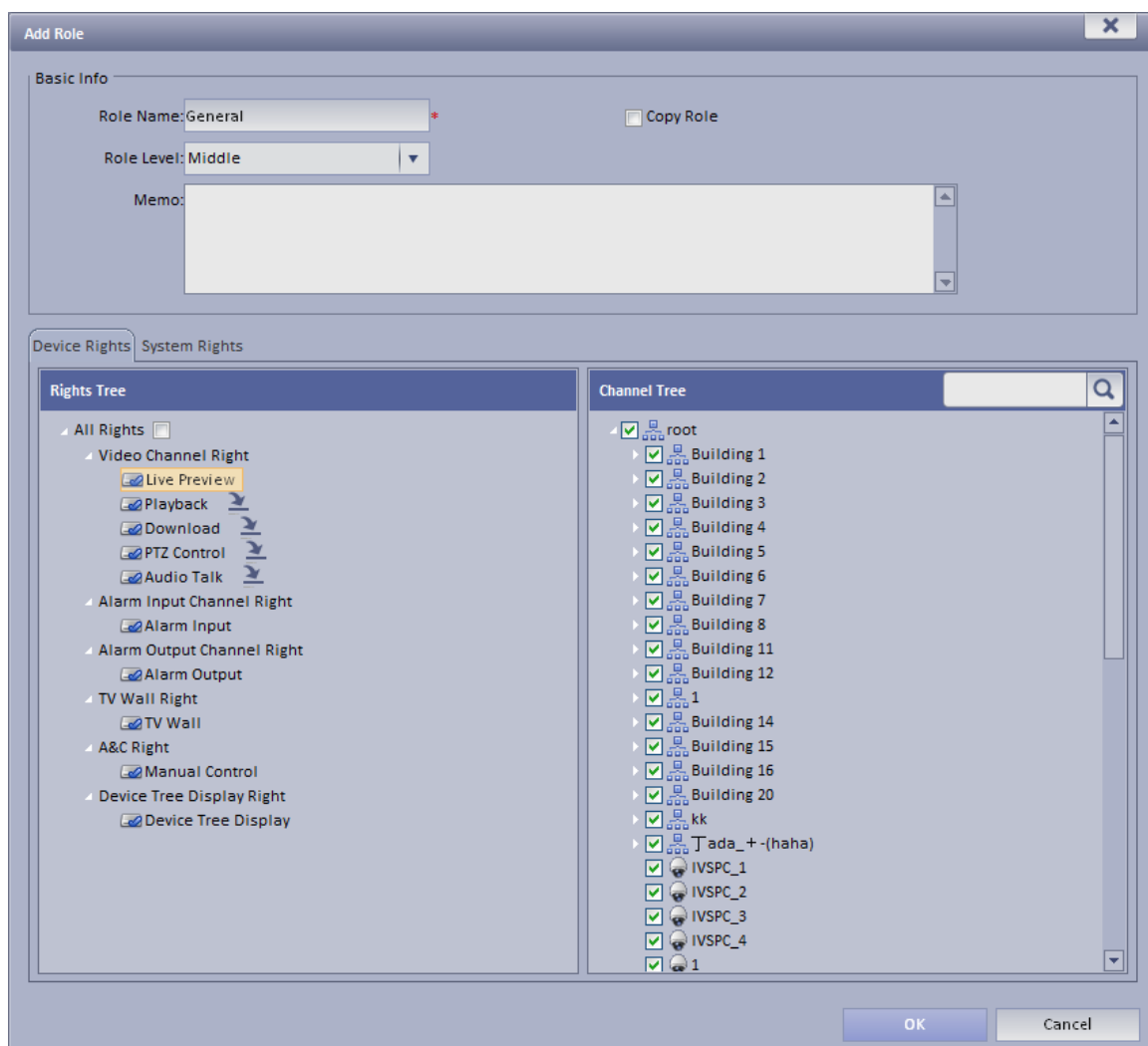



Figure 4- 4

Note:

- Click  so you can copy setting from the selected node to current node.
- If you do not check corresponding device right, then all users under this role will have no corresponding rights.

Step 6. Click System Rights tag, select corresponding system rights. See Figure 4- 5.

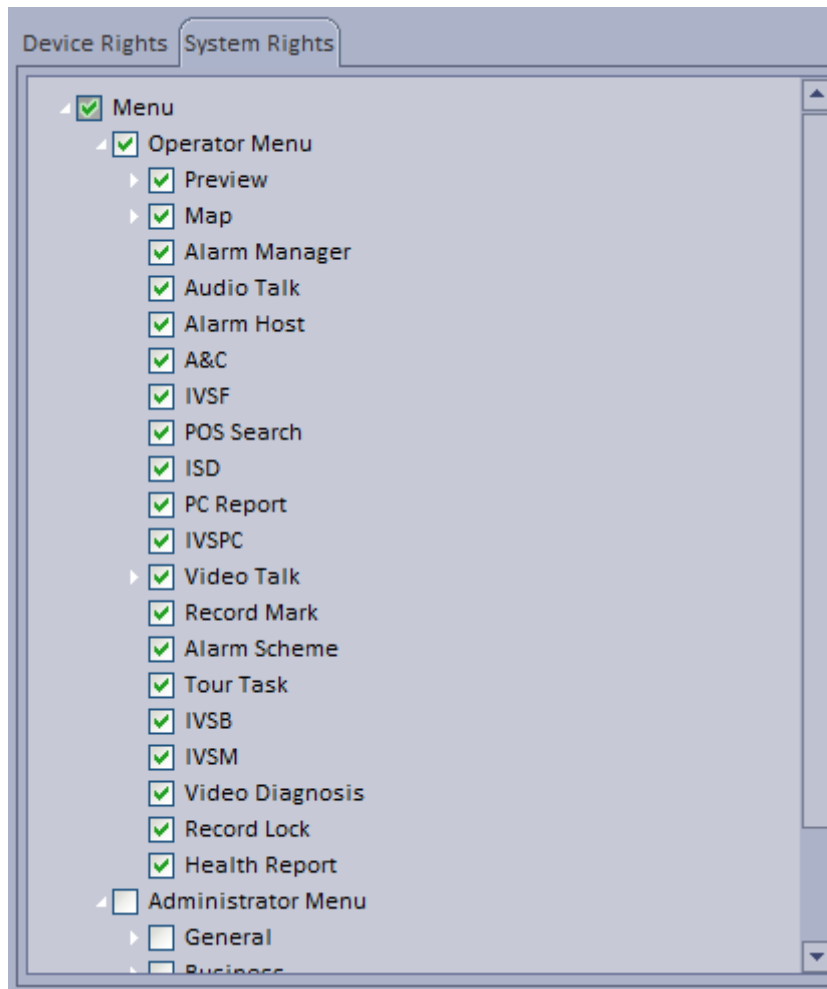


Figure 4- 5

Step 7. Click OK to add the role.

4.3 Add User

If you have added user role, now you can add user of that role.

Step 1. Click User tab under Account.

Step 2. Click . System pops up Add User box.

Step 3. Create a username, a password and confirm password. Select Department and Role.
See Figure 4- 6.

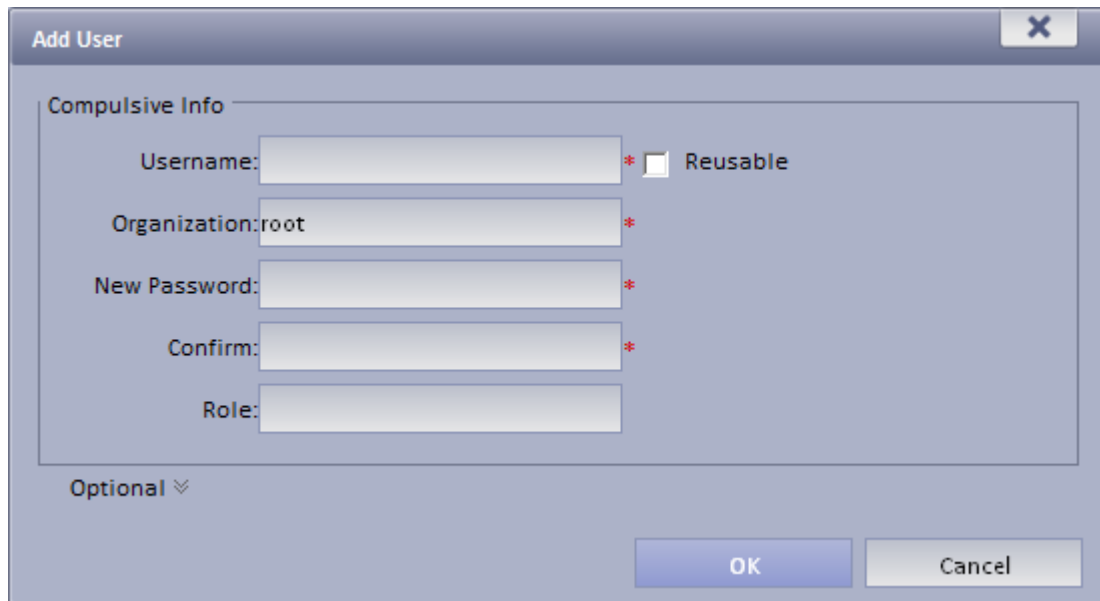
The image shows a 'Add User' dialog box with a title bar containing a close button (X). The dialog is divided into two sections: 'Compulsive Info' and 'Optional'. The 'Compulsive Info' section contains five text input fields: 'Username:', 'Organization:', 'New Password:', 'Confirm:', and 'Role:'. Each of the first four fields has a red asterisk (*) to its right. To the right of the 'Username' field is a checkbox labeled 'Reusable'. The 'Optional' section is currently collapsed, indicated by a downward-pointing chevron icon. At the bottom right of the dialog are two buttons: 'OK' and 'Cancel'.

Figure 4- 6

Note:

- If you check Reusable box next to Username, then you allows more than one user to login system with this Username at the same time.
- If you do not select a role, then the user will have no System Rights or Device Rights.
- You can select more than one role at a time.
- You can click Optional in the lower-left corner to fill in extra info.

Step 4. Click OK to add user.

5 DSS Client Installation and Login

5.1 Requirement for PC

To install DSS, your PC shall match the following requirements. See Chart 5- 1.

Parameter	Requirement
OS	Microsoft Windows XP SP3, Microsoft Windows 7
CPU	Core 2 dual-core 3.0
Hard Disk	At least 10GB free space
Video Card	DirectX 9.0c and higher
Memory	At least 2GB
Monitor	1024×768 and higher
Explorer	IE7, IE8

Chart 5- 1

5.2 Install

Please follow these steps to install DSS Client:

Step 1. Download and install the Client

- a) In Internet Explorer, input the IP address of DSS. System displays login interface of DSS Manager as in Figure 5- 1.

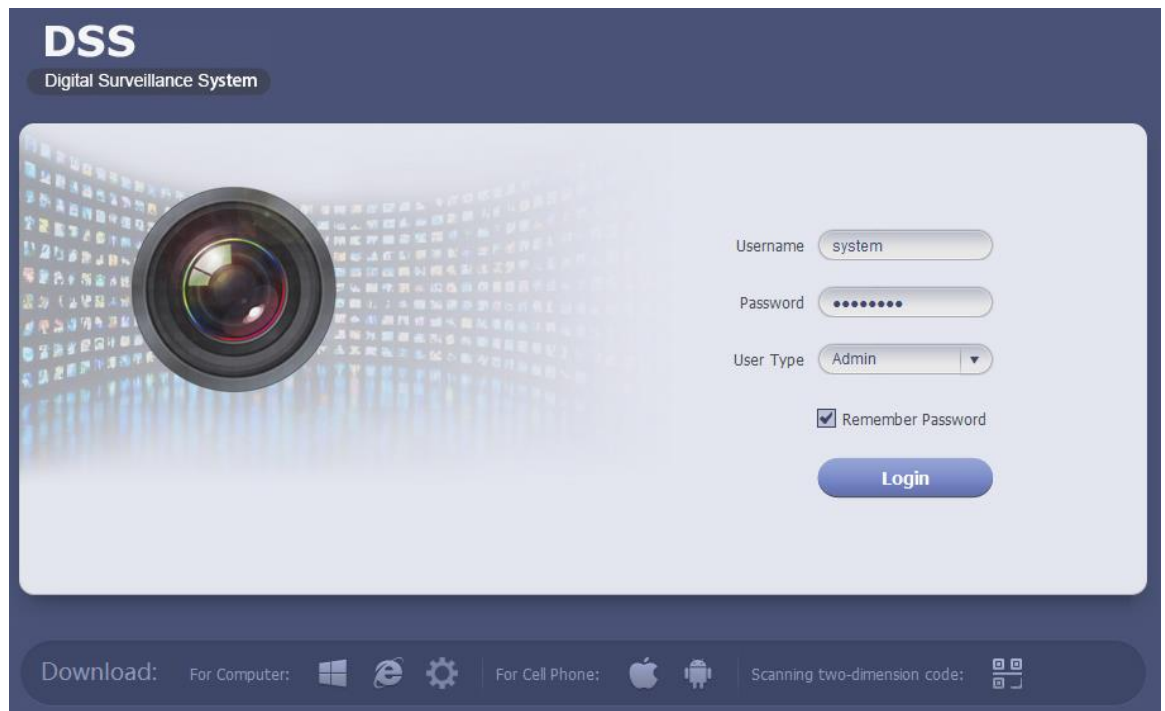



Figure 5- 1

- b) Click  Download Client-end. System pops up a box.
 - c) Click Save. Download and save DSS Client to local PC.
- Step 2. Install the Client, check Run DSSClient, see Figure 5- 2.

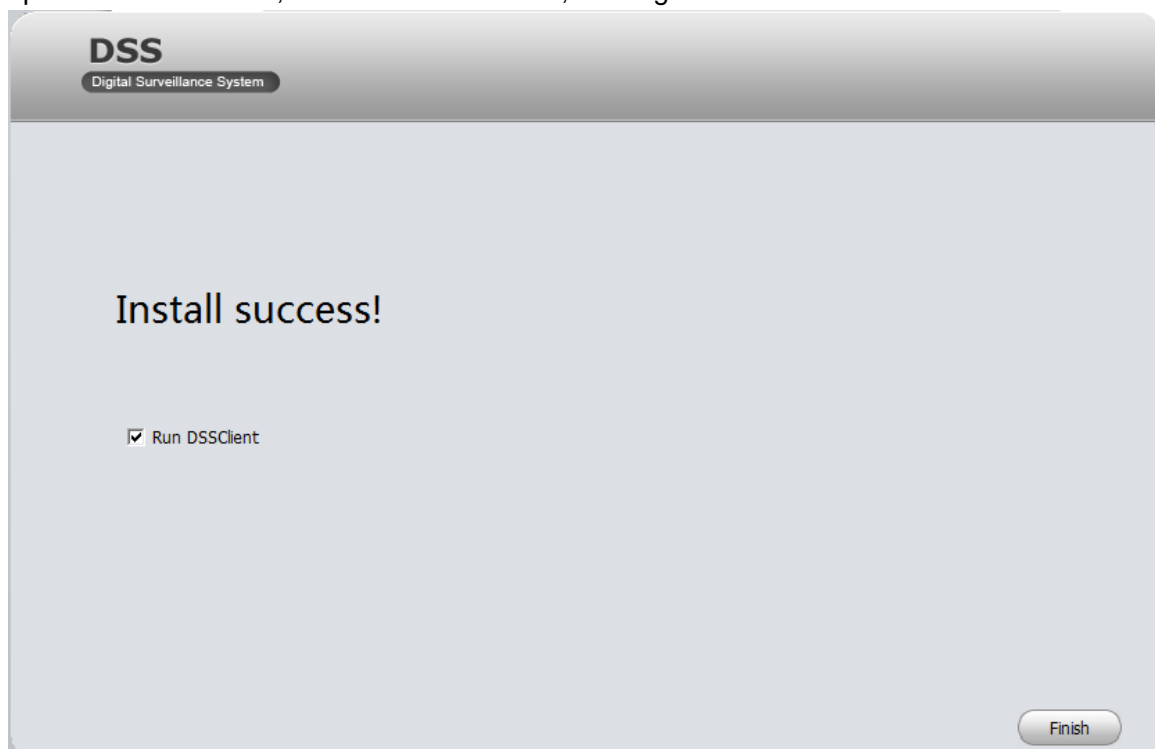


Figure 5- 2

5.3 Login

DSS Client interface is shown in Figure 5- 3.

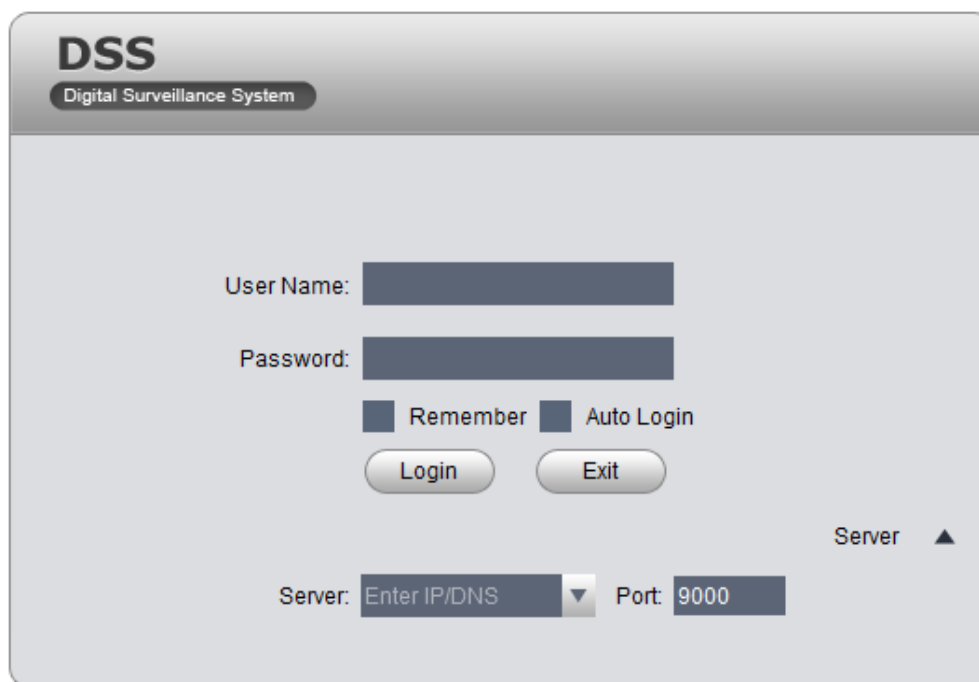


Figure 5- 3


Step 1. Input Username and Password.

Step 2. Click Server, and input Server IP and Port. Server IP shall be the IP address of DSS.
Default port is 9000.

Step 3. Click Login. System pops up homepage as in Figure 5- 4.




Figure 5- 4

- Click Log Off on the right of interface to switch user.
- Click Password to modify login password.
- Click  in the upper-right corner to lock account. To unlock, you need to input login password in box pops up.

5.4 Local Config

After you first login Client, you can Window Split, Connection Type, Bit Stream Type, Alarm Level Amount, Video Buffer Time, Snapshot Save Path, Max Record Path and Record Save Path and etc.



Step 1. Click  in Setup Manager area. System enters Local Setup interface. See Figure 5- 5.

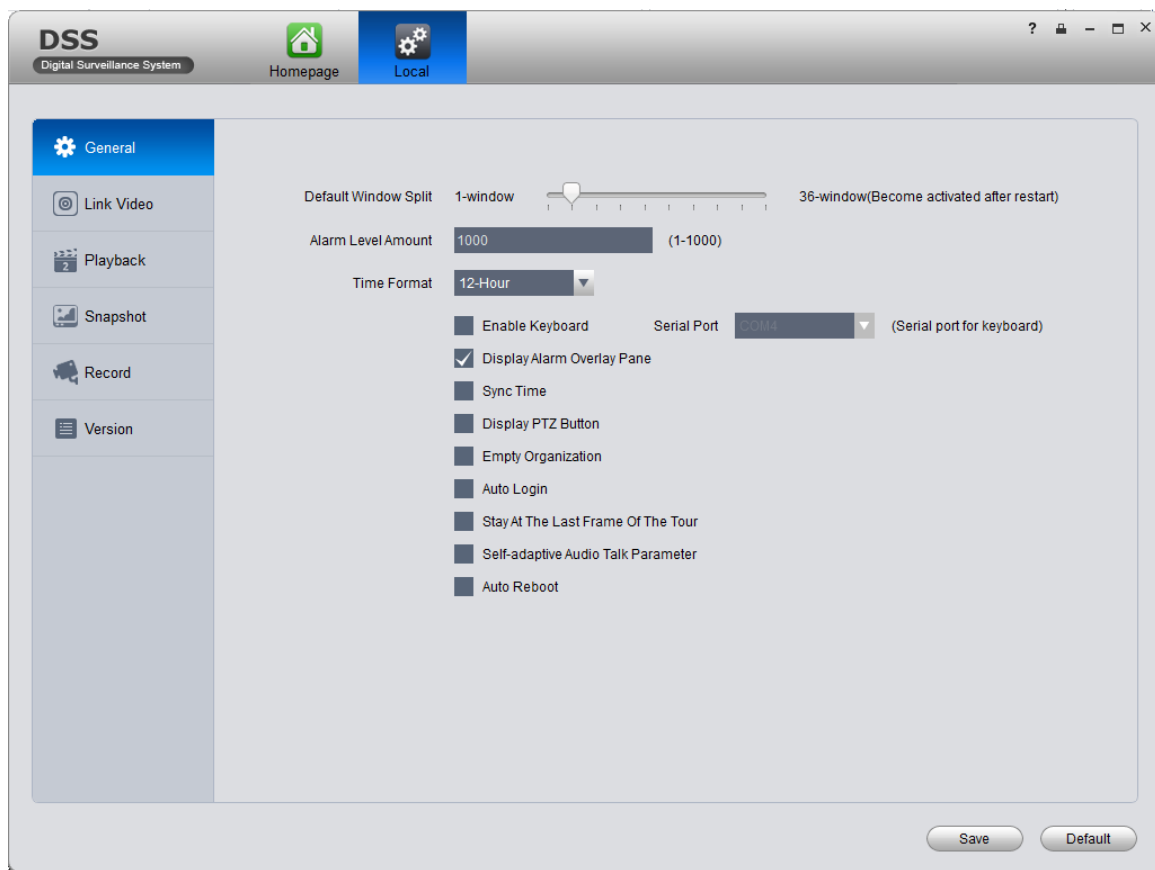

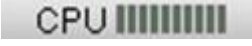






Figure 5- 5

Parameter		Note
General	Default Window Split	Set preview, playback and others' default display modes.

Parameter		Note
	Alarm Level Amount	Max alarms in Alarm Manager. Default is 1000 items.
	Time Format	Set “12 Hour” or “24 Hour” standard.
	Enable Keyboard	Check to enable keyboard.
	Serial Port	Select port (COM 1~COM10) For network keyboard use only.
	Display Alarm Overlay Pane	<p>Display it or not </p> <ul style="list-style-type: none"> ●  : real time display CPU status ●  : Real time display net status ●  : Quickly enter Alarm Manager>Alarm List interface. ●  : Quickly enter Alarm Manager>System Event interface. ●  : Prompt alarm device
	Sync Time	Respond sync time or not: <ul style="list-style-type: none"> ● Check: sync server time by Client. ● Not check: Do not sync server time.
	Display PTZ Button	Check it to display 8 keys of PTZ in window.
General	Empty Organization	If you create more than one organization on Manager, and the organizations have no device. Select this parameter, so Client displays name of the organizations.
	Auto Login	If select this parameter, then you will automatically login the client when you open it.
	Stay at the Last Frame of the Tour	If you select this parameter, then image stops at the last frame during tour.
	Self-adaptive Audio Talk Parameter	During talk, system can auto match device sampling frequency, sampling bit, and audio format.

Parameter		Note
	Auto Reboot	If you select this parameter, when PC boots up, the client boots up automatically.
Video	Connection Type	Request video mode.
	Bit Stream Type	Bit stream type used when you open video, you can select default bit stream, or self-adaptive stream for window size.
	Play Mode	Select play mode accordingly. There are RT priority, fluency priority and balance first. Default video buffer time is 1500ms.
	Login Enable	Task enabled after login. Include: None, previous tour task, previous preview record.
	Double Click on Real Time Window to Switch to Main Stream	Double click window to switch to main stream. Note: When window split is more than 9, double click a window to maximize window. Video stream will be switched to main stream.
	Display Error Info	When system has error or user encounters operation error, it shows a message box or not.
	POS Width	Live preview interface POS display width.
	Display Video Info	Display real time video bit rate and etc. in monitoring window or not.
Playback	Instant Playback Enable	Select this parameter to enable instant playback.
	RT Playback Time	Select real time playback time, default is 15s.
	Select this parameter, playback enable.	Start playback

Parameter		Note
	Enable High Definition Adjustment	Check to prevent stuck high definition video.
Snapshot	Save Snapshot Picture Directly	Select this parameter, then you will not see a snapshot box pops up.
	Format of Save Capture	Picture storage format, as BMP and JPEG.
	Continuous Amount	Set amount of continuous snapshot. Min is 2, and max is 10.
	Continuous Interval	Set continuous snapshot interval.
	Snapshot Save Path	When you snapshot at local, storage path is set here.
	Picture ftp server	Enter FTP server address, username and password used to save picture
Record	Max Record Time	Max record time of local recording.
	Max Size of Single Record	When you record locally, you cannot record file over this max size
	Record Save Path	Record storage path of local recording.
Version		View version info of the software.

Step 2. Set General, Snapshot and Record/Download info.

Step 3. Click Save.

6 Live Preview

Live Preview function supports to view live video, and monitor PTZ, snapshot, record and etc. at the same time.

6.1 Video Preview for General Encoding Device

Before you can use functions of Client, you shall add organization and device on Manager.

Directly enter DSS Platform IP address in IE, to login Manager,

Step 1. Select General>Device>Device, system displays device interface.

Step 2. Click  Encoder

Step 3. Click  Add . System displays Add Encoder box, see Figure 6- 1.

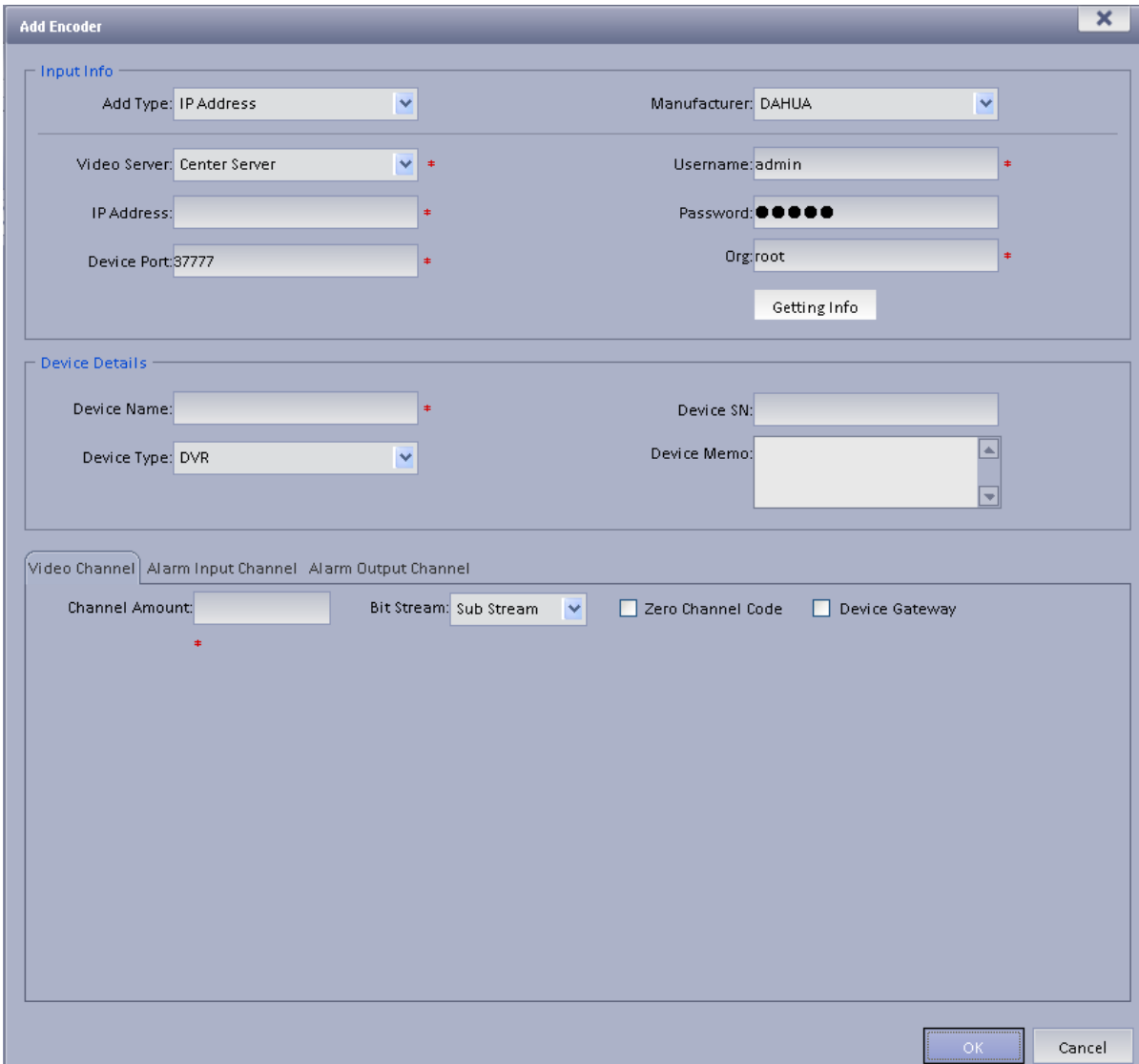


Figure 6- 1

Parameter	Note
Add Type	You can add device via the following methods:

Parameter	Note
	<ul style="list-style-type: none"> IP Address: If the device has static IP address, you can add device with its IP address. IP Section: If there are multiple devices with continuous IP address, such as 192.168.1.50~192.168.1.100, and their port no., channel number and other parameters are the same, you can add these devices as batch by entering starting IP and end IP. Domain Name: If you do not know IP the device, you can its domain name. Auto Register: When front-end device has dynamic IP address or in LAN, you shall add device via auto register. For example, add mobile device via auto register. ONVIF: When device supports ONVIF protocol, you can add device via ONVIF.
Video Server	<p>Server where the device belongs to.</p> <p>Click the box and you can select corresponding organization in prompt box.</p>
Device Type	System supports to add device types including: DVR, IPC, NVS, MDVR, NVR, Smart NVR, MPT3000, EVS, Smart IPC, VIT.
Zero Channel Code	Combine multiple windows into one channel transmission.
Device Gateway	<ul style="list-style-type: none"> If select this parameter, then enable device input gateway. When you select transcoding, you need transcoding server. If not select this parameter, then not enable this function.
Enable All	<ul style="list-style-type: none"> If select this parameter, then enable all channels of the alarm output device. If not select this parameter, then not enable channel of the alarm output device and cannot preview at Client. <p>By default, enable all is checked and is recommended.</p>


Step 4. Set Input Info, and click Getting Info. System will automatically get info of video channel, alarm input channel and alarm output channel.

Note: If you add device with IP section, domain name or auto register, then you cannot get info of video channel, alarm input channel and alarm output channel by clicking on Getting Info.

Step 5. Click OK as finishing adding encoder.

Step 6. Login DSS Client.





Step 7. Click  in Basic area. System shows Live Preview interface.

Step 8. In device list on the right, select channel and double click or drag it to video window. If you double click device, then all channels under this device will be open. Video window shows live preview, see Figure 6- 2.



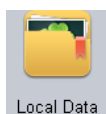
Figure 6- 2

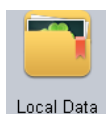
You can click  in video window to locally record; click  to snapshot. Record and snapshot can be set in Local Config under Setup Manager area.

6.2 Local Data

Snapshot picture and record will be saved in local disk.

You can search saved local data, as saved record and snapshot in Local Data interface.



Step 1. Click on  in Setup Manager area. System pops up Local Data interface.

Step 2. On the right, select device channel.

Step 3. Config start time and end time. Select data type (picture, video) or use advanced search.

Step 4. Click on Search. See Figure 6- 3.

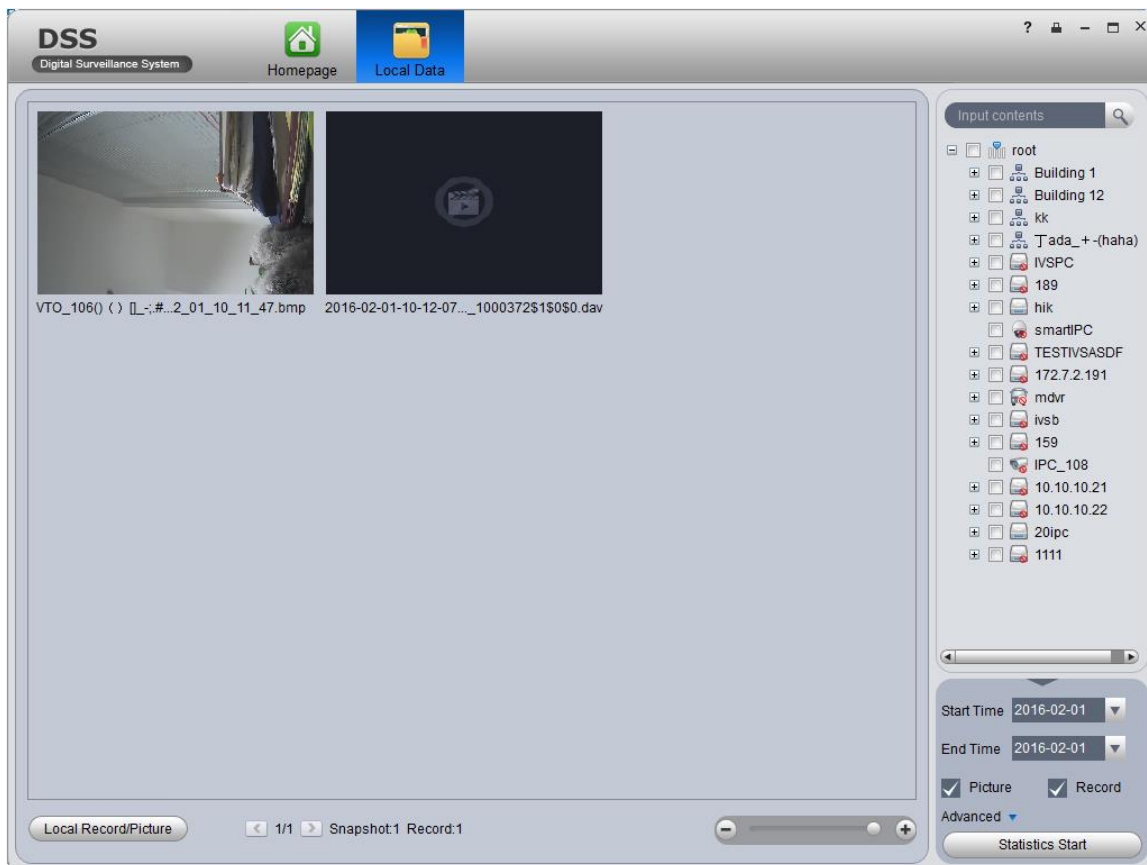


Figure 6- 3

Step 1. Right click searched picture or record, you can copy, cut and delete the picture or record.

You also can open path where the picture and record stored.

Step 2. Double click picture, you can view detailed info of picture.

Step 3. Double click record, you can view detailed info of record and playback the record.

Step 4. Click Local Record in the lower left corner, you can open local record storage path.

Step 5. Click  to adjust picture size.

6.3 Fisheye

DSS Platform supports fisheye device installation, which includes ceiling, wall mount and grounding.

Step 1. Login DSS Manager.

Step 2. Select General>Device>Device.

Step 3. Click Add. System pops up Add Encoder box, see Figure 6- 4.

Figure 6- 4

Step 4. Configure fisheye device parameter, for “function”, select support fisheye.

Step 5. Click OK. Login DSS Client.



Step 6. Click

Step 7. Double click fisheye device on the right. Ceiling installation has 8 types, see Figure 6- 5 as there are “1+8” types.

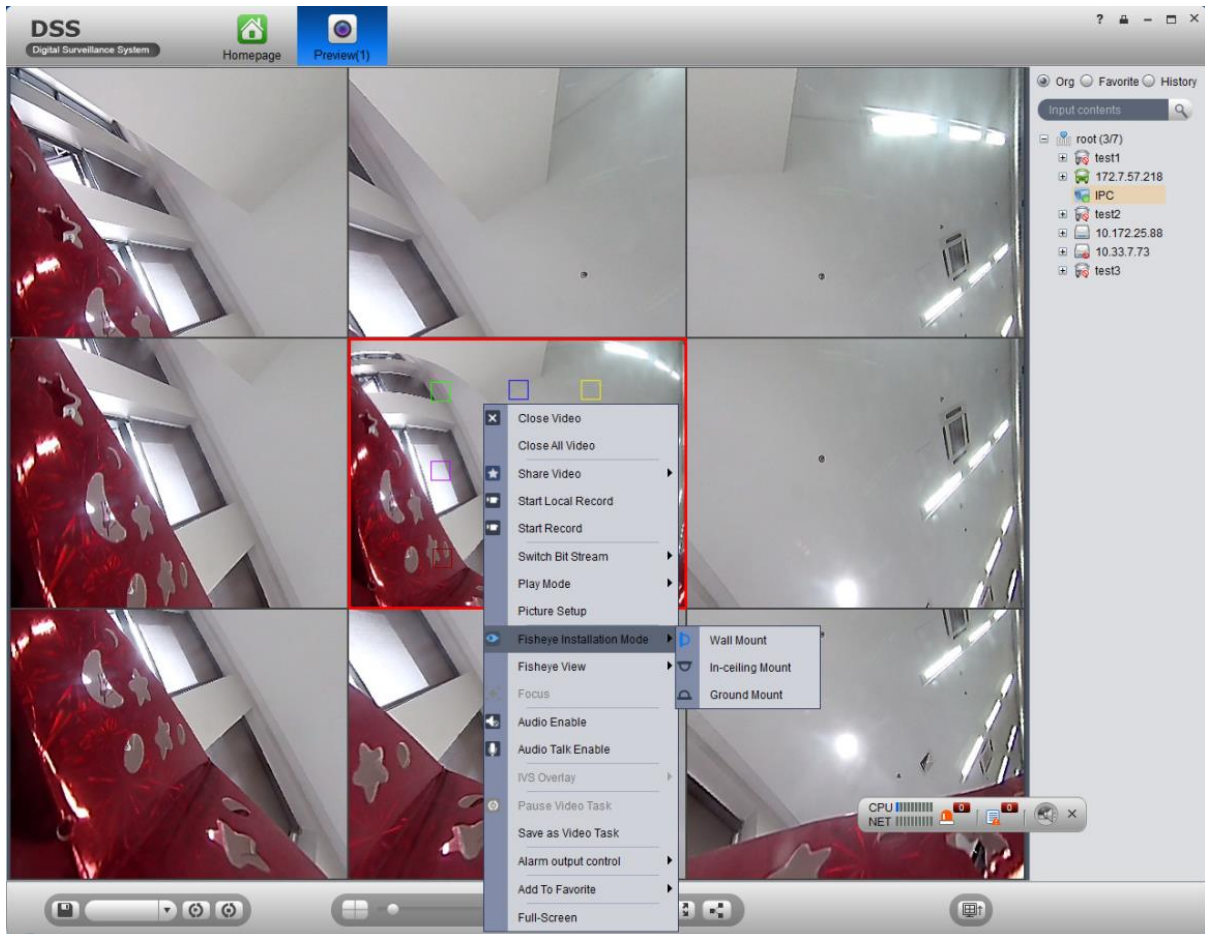



Figure 6- 5

The fisheye in the center splits into 8 scenes. You can drag mouse to one of these blocks, such as: , and its corresponding box will rotate.

Wall mount includes 5 types while grounding includes 7 types.

6.4 Tour Task

6.4.1 Tour Task

You can set tour task to achieve tour over several windows. To set tour task:



Step 1. Click **Tour Task** in Setup Manager area. System displays Tour Task interface.



Step 2. Click **+**. System displays add task interface.

Step 3. Input Task Name, Description and select Window No.

Step 4. Drag designated device on the right to left window for setup as in Figure 6- 6.

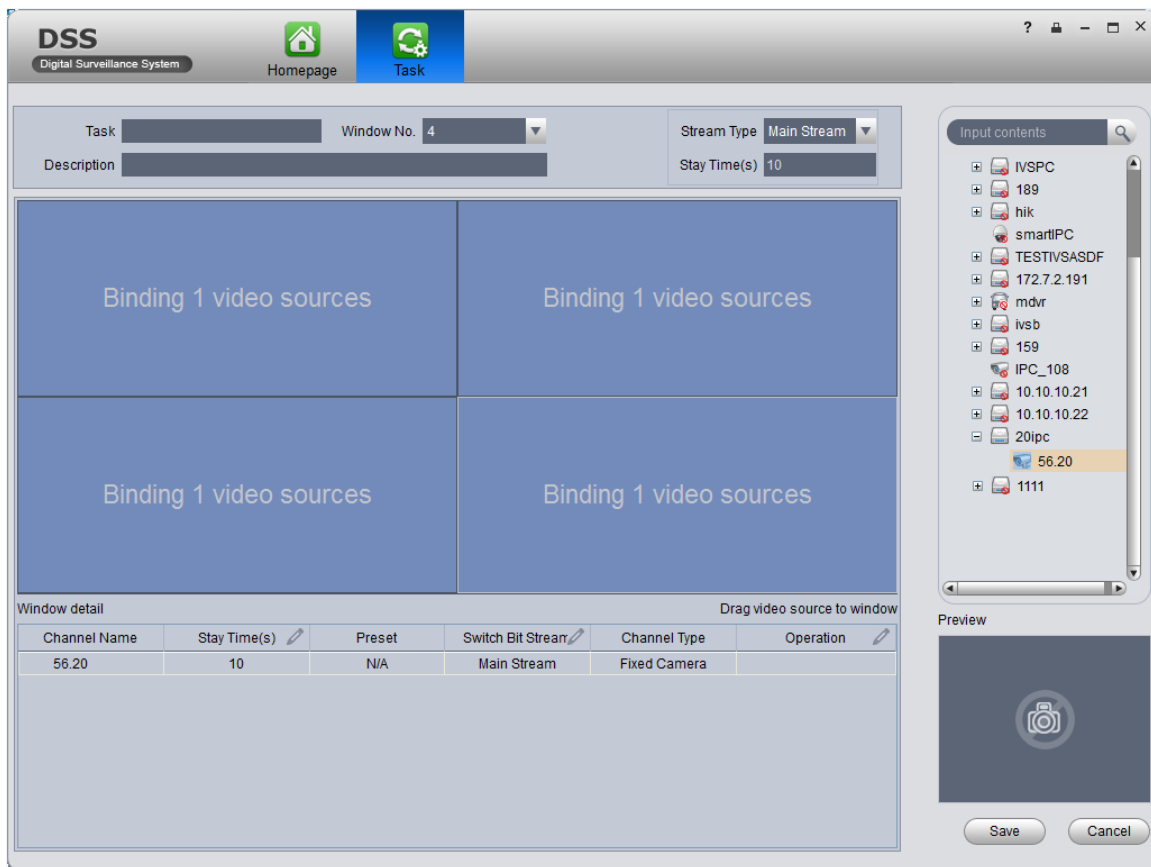






Figure 6- 6

- Click , so you can view video in Preview in the lower right to view it.
- Click ,  to adjust sequence, or click  to delete added channel on the left.

Step 5. Click Save.

See Figure 6- 7.

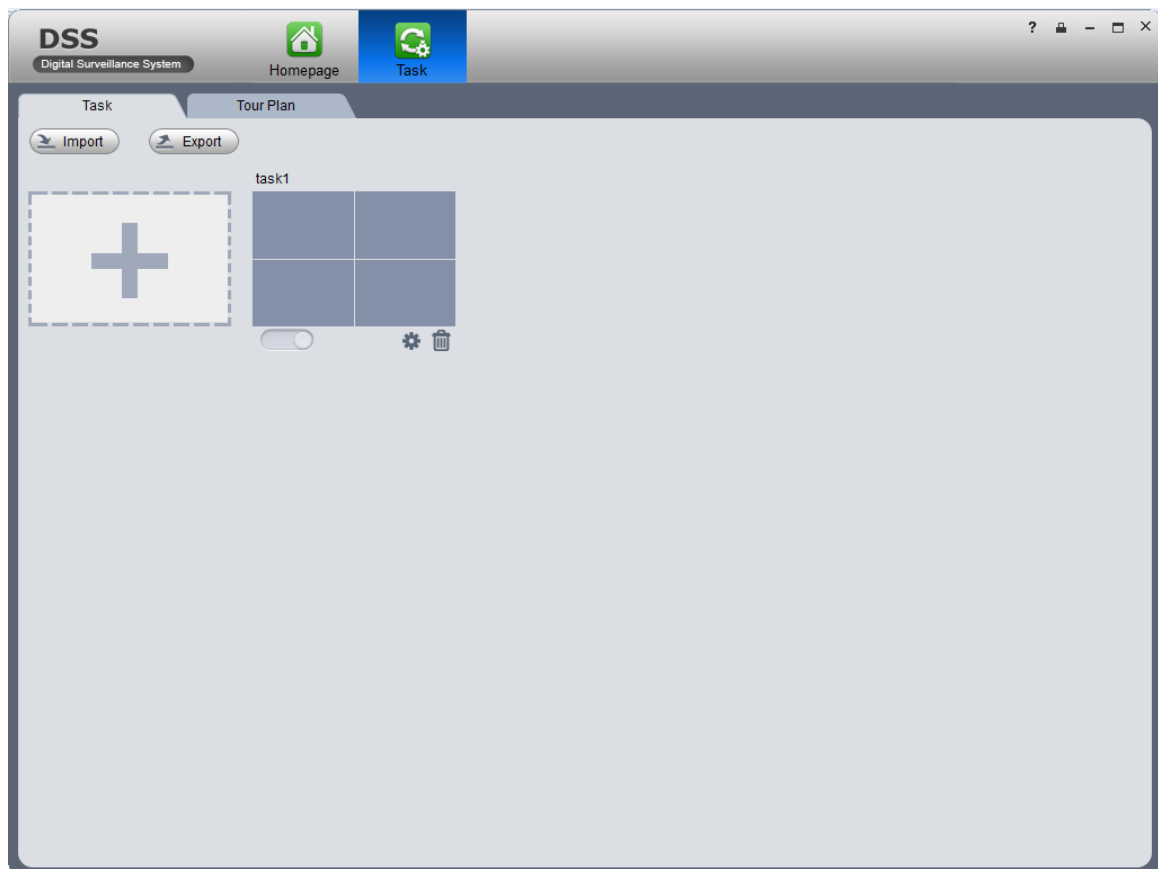



Figure 6- 7

To enable tour task, there are two ways:

- In Tour Task interface, click  to turn on tour task. You can now view monitoring status of tour channel in Preview interface.
- In Preview interface, select tour task in the lower left, and click start.

6.4.2 Tour Plan

By configuring tour plan, you can achieve start time and end time of each tour plan.



Step 1. Click  in Setup Status area, select Tour Plan tab.



Step 2. Click .

Select wither Schedule or Tour Plan.

Note:



Schedule : schedule, may specify time to execute plan.




Tour Plan : tour plan, may specify tour plan with interval period.

- Select schedule
See Figure 6- 8.

Start Time	End Time	Task	Operator
00:00:00	23:59:59	task1	+ x

Figure 6- 8

1. Input plan name, select start time and end time.
2. Click  to add tour plan.
3. Check Enable Remaining Time Plan, click Save.

Note:

Enable Temaining Time Plan: It means the plan to be executed at remaining time period other than absolute time period.

- Select tour plan
 1. Configure corresponding parameter.
See Figure 6- 9.

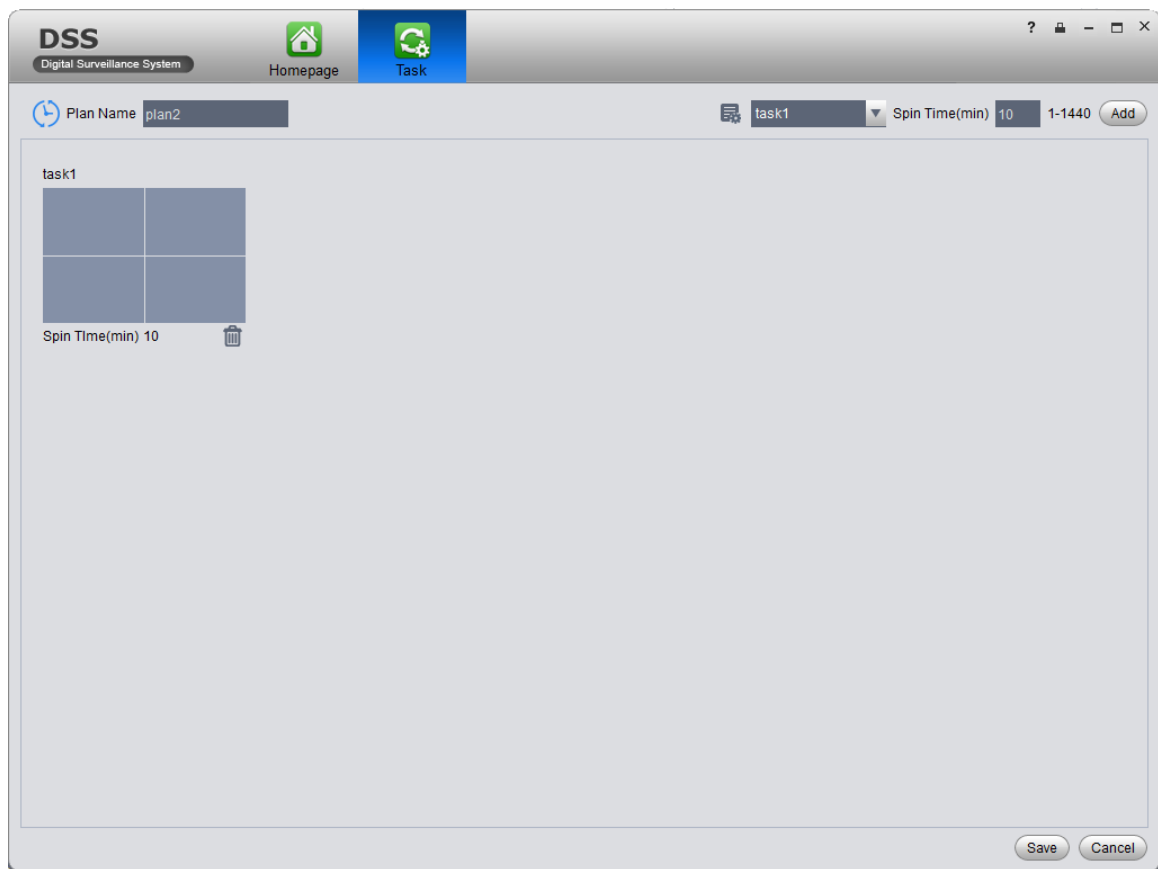


Figure 6- 9

2. Click Save.
See Figure 6- 10.

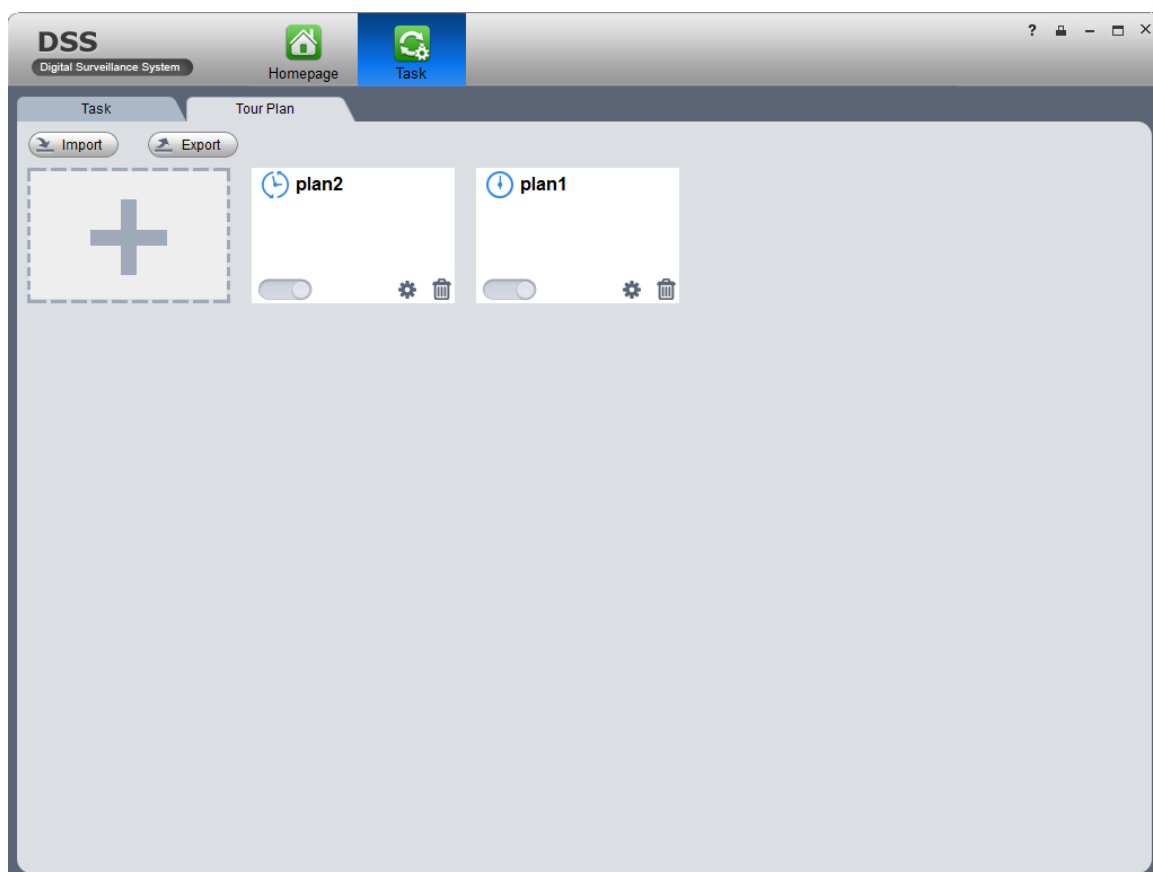

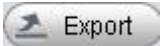


Figure 6- 10

Click  to import existing plan. Click  to export plan.

6.5 PTZ

If device type is speed dome, then you can click PTZ tab in the interface to set PTZ as in Figure 6- 11.

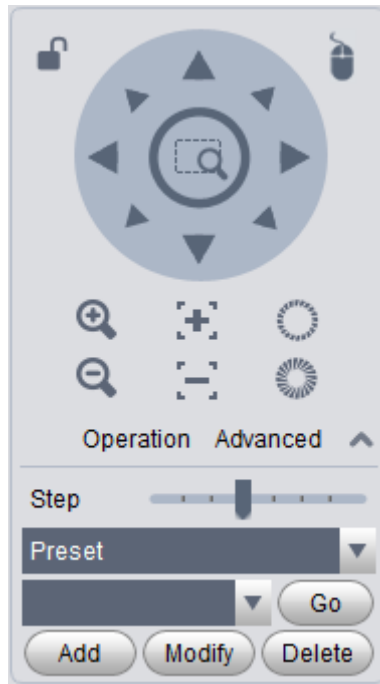








Figure 6- 11

Parameter	Note
	<p>Click  to lock current PTZ. Lock status is .</p> <p>Based on current user level, control over PTZ may vary.</p> <ul style="list-style-type: none"> ●When low-level user lock the PTZ, high-level user can click  to unlock. ●When high-level user lock the PTZ, low-level user cannot unlock it until it is automatically unlocked. ●User of same level can unlock PTZ that lock by each other. <p>Note: PTZ default unlock time is 30s.</p>
	Control speed dome with mouse.
Direction key	It sets rotation direction of PTZ in eight directions as up, down, left, right, upper left, upper-right, lower-left, lower-right.
	<p>Partial zoom for zoom in/out of certain area.</p> <p>Note: This function can only be controller with mouse.</p>
Step Length	It controls rotation speed of PTZ in 1~ 8 directions with different step lengths.
Zoom	It controls zoom of speed dome.
Focus	It adjusts focus.
Iris	It adjusts brightness.

Parameter	Note
Preset	Via setting preset, you can rotate camera toward position of the preset.
Tour	Via setting tour, you can tour camera among different presets. Note: This function does not require support from speed dome, but speed dome must support preset.
Aux	It adjusts light, wiper, PTZ menu, auto rotation, aux 1, aux 2 and IR light.

- Preset

By setting preset, you can rotate camera toward position of preset. To add preset:

Step 1. Click direction key on PTZ to rotate camera.

Step 2. Click Preset tab.

Step 3. Click Add. System pops up Preset Setup interface.

Step 4. Input SN and Name as in Figure 6- 12.

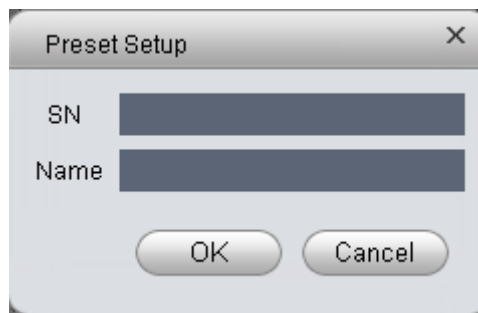


Figure 6- 12

Step 5. Click OK.

When you need to rotate the camera toward designated position, you just need to select direction from the dropdown list, and click Go.

- Tour

Via set Tour, you can make camera tour among different presets.

Note: There must be at least two presets for tour.

To add tour:

Step 1. In PTZ interface, click Tour tab.

Step 2. Click Add. System pops up a new tour box.

Step 3. Input name and SN. In All Presets area on the left, select preset, and click Add. System adds presets on the left to list on the right as in Figure 6- 13.

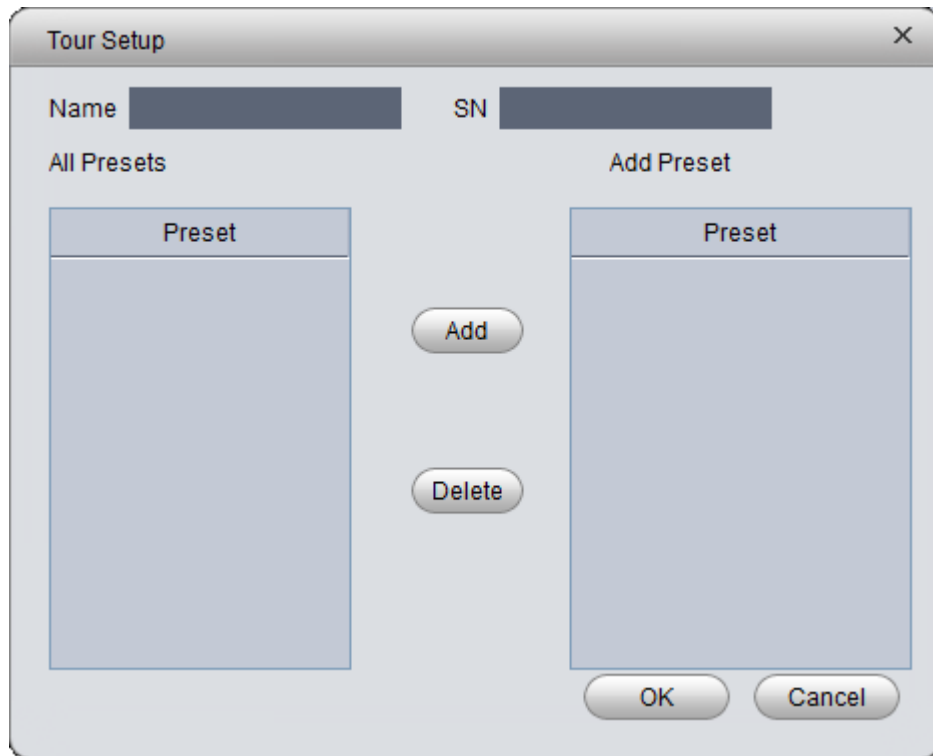
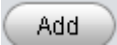



Figure 6- 13

-  Select preset on the left, click this button, presets will be added into list on the right.
-  Select preset on the right, click this button, presets will be deleted from the list on the right.
- Modify Stay Time, click Stay Time column of presets on the right to modify it. It ranges from 3s ~ 6000s.

Step 4. Click OK. System will say it is successfully saved.

Step 5. Click OK.

When you want to start tour, in Tour tab, select tour from dropdown list and click Start.

- Scan

Step 1. Select Scan from the dropdown list.

Step 2. Click PTZ button, rotate PTZ to a specific position toward left, click , set left border.


Step 3. Continue rotating PTZ to a specific position toward right, click , set right border.

Step 4. Click , to start scan, and PTZ will rotate back and forth within two borders.

- Pattern

Pattern is the path of scanning.

Step 1. In the dropdown list, click Pattern.

Step 2. In  dropdown list, select pattern number, you can set 5 patterns.

Step 3. Click Setup>Start Record, operate 8 PTZ buttons, to start setup of pattern.

Step 4. Click Setup>Stop Record, setup is complete.

Step 5. Click Startup to start rotation according to setup.

6.6 POS Function

Before you can see POS transaction info on Client, you must add POS resource on DSS Manager.

Warning


Current POS info are all connected to NVR, and sent to DSS Platform for storage via NVR later, so you just need to add NVR of POS.

Step 1. Login DSS Manager.

Step 2. Select General>Device>Device.

System shows Device interface.

Step 3. Click .

Step 4. Click . System shows Add Encoder box, see Figure 6- 14.

Add Encoder

Input Info

Add Type: IP Address Manufacturer: DAHUA

Video Server: 22 Username: admin

IP Address: Password: •••••

Device Port: 37777 Org: root

Getting Info

Device Details

Device Name: Device SN: Device Memo:

Device Type: NVR

Video Channel Alarm Input Channel Alarm Output Channel **POS Channel**

Channel Amount: Bit Stream: Sub Stream ☐ Zero Channel Code ☐ Device Gateway

OK Cancel

Figure 6- 14

For device type, select NVR, then you will see POS tab.

Step 5. Configure POS device parameter, click OK.

Step 6. Login DSS Client.



Figure 6- 15

Step 7. In Live Preview, click POS tab on the right.

Step 8. Double click POS device.

If you swipe card on POS device, then it will refresh POS card record in window on the left. In POS interface, you can search POS info list and playback related record.



Step 1. Click  in More Extension area.

Step 2. Select search time and etc, click Search.

POS info list are shown on the left, and related video is shown on the right, see Figure 6- 16.

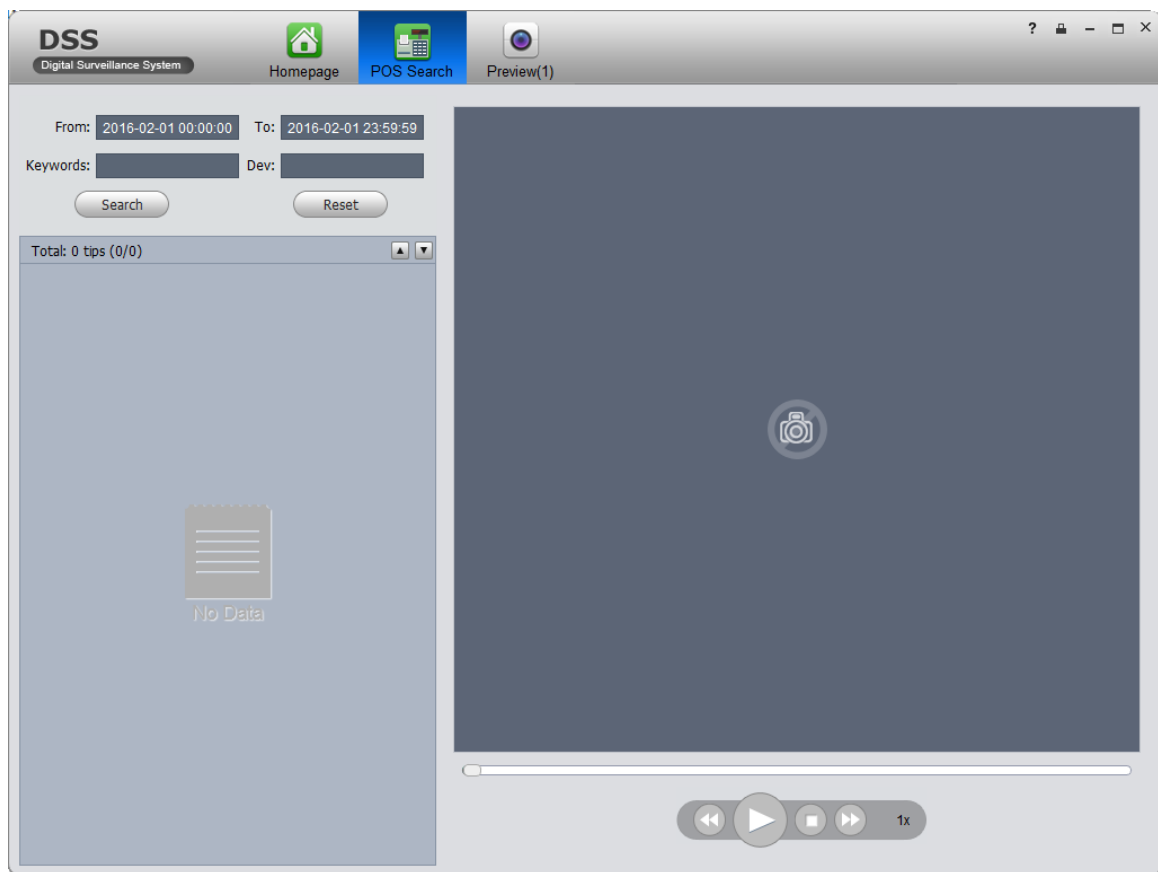


Figure 6- 16

7 Playback

The system can search and playback record from device or center storage media. You can search for different channels, different times, and different types of record on Client, playback and download them. If there is record found, it will show different colors in date selection area.

- Device storage: Record stored in SD card on front device or in DVR, NVR. Storage plan is configured on device.
- Center storage: Record stored on NVS, or DSS hard disk. For detailed config, please refer to Storage config in System Config. Before you playback record from center, please configure normal plan first. Within the setup period, the system will store record file on NVS.

7.1 Configure Storage Plan

Step 1. Login DSS Manager.

Step 2. Select Business>Storage. System displays Storage interface as in Figure 7- 1.

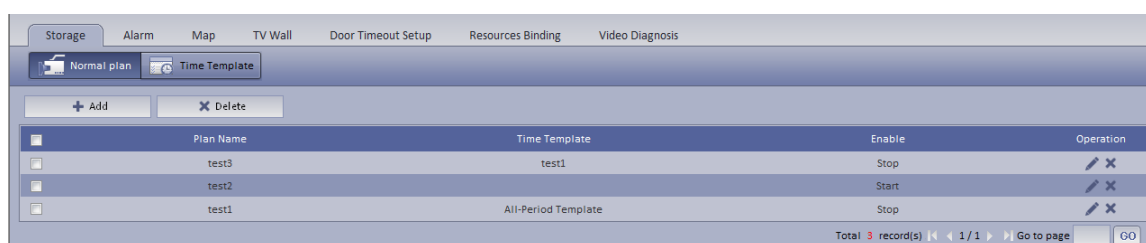



Figure 7- 1

Step 3. Set record time.

- Click Time Template in the upper-right corner of storage interface. System displays Time Template interface.
- Click . System pops a Add Time Template box. See Figure 7- 2.

Add Time Template

Basic Info

Template Name: *

☐ Copy

Template Details

☒ Single Period ☐ Cycle Period

Time Setup

Start Time: * End Time: *

Memo

Memo:

OK Cancel

Figure 7- 2

- c) Input Template Name, select cycle period. Set single system, cycle mode and never stop. See Figure 7- 3.

Add Time Template

Basic Info

Template Name: *

☐ Copy

Template Details

☐ Single Period ☒ Cycle Period

Single Cycle

Start Time: * End Time: * Total of 12 hour(s) 0 second(s)

Cycle Mode

Repeat Time: ☒ Check All ☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☒ Sat ☒ Sun *

Start Date: *

End Date: * ☒ Never Stop

Memo

Memo:

OK Cancel

Figure 7- 3

Note:

If you check Copy next to Template Name, and select template in the dropdown list, then you can copy configured template to current template.

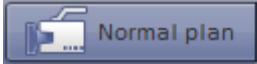
d) Click OK.

See Figure 7- 4.



Figure 7- 4

Step 4. Set normal plan.

- a) Click  in the upper right corner of Storage interface. System displays Normal Plan interface.

- b) Click **+ Add**. System pops up Add Normal plan box. See Figure 7- 5.

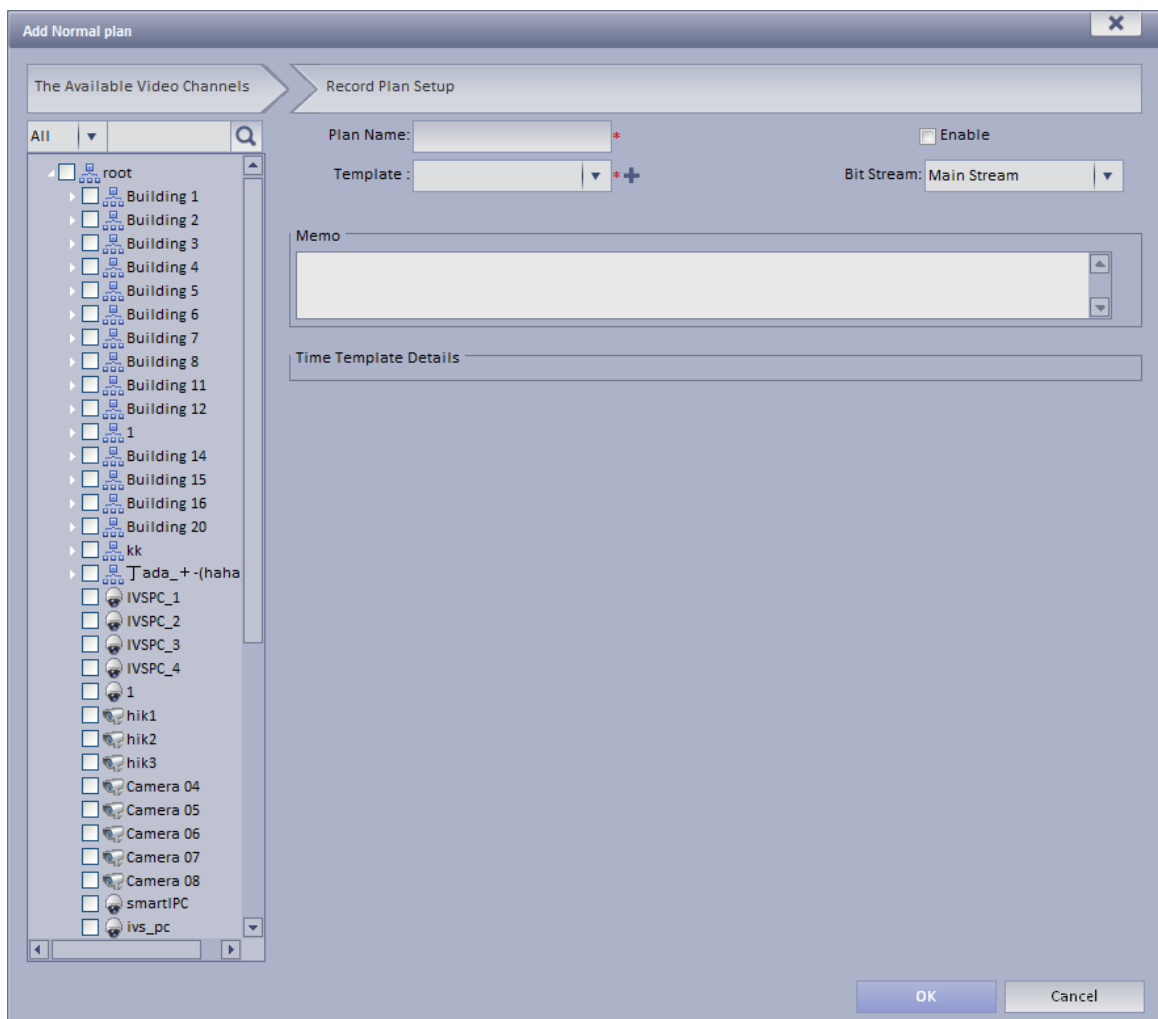


Figure 7- 5

- c) Input Plan Name, and select Template, Bit Stream. Check Normal plan. See Figure 7- 6.

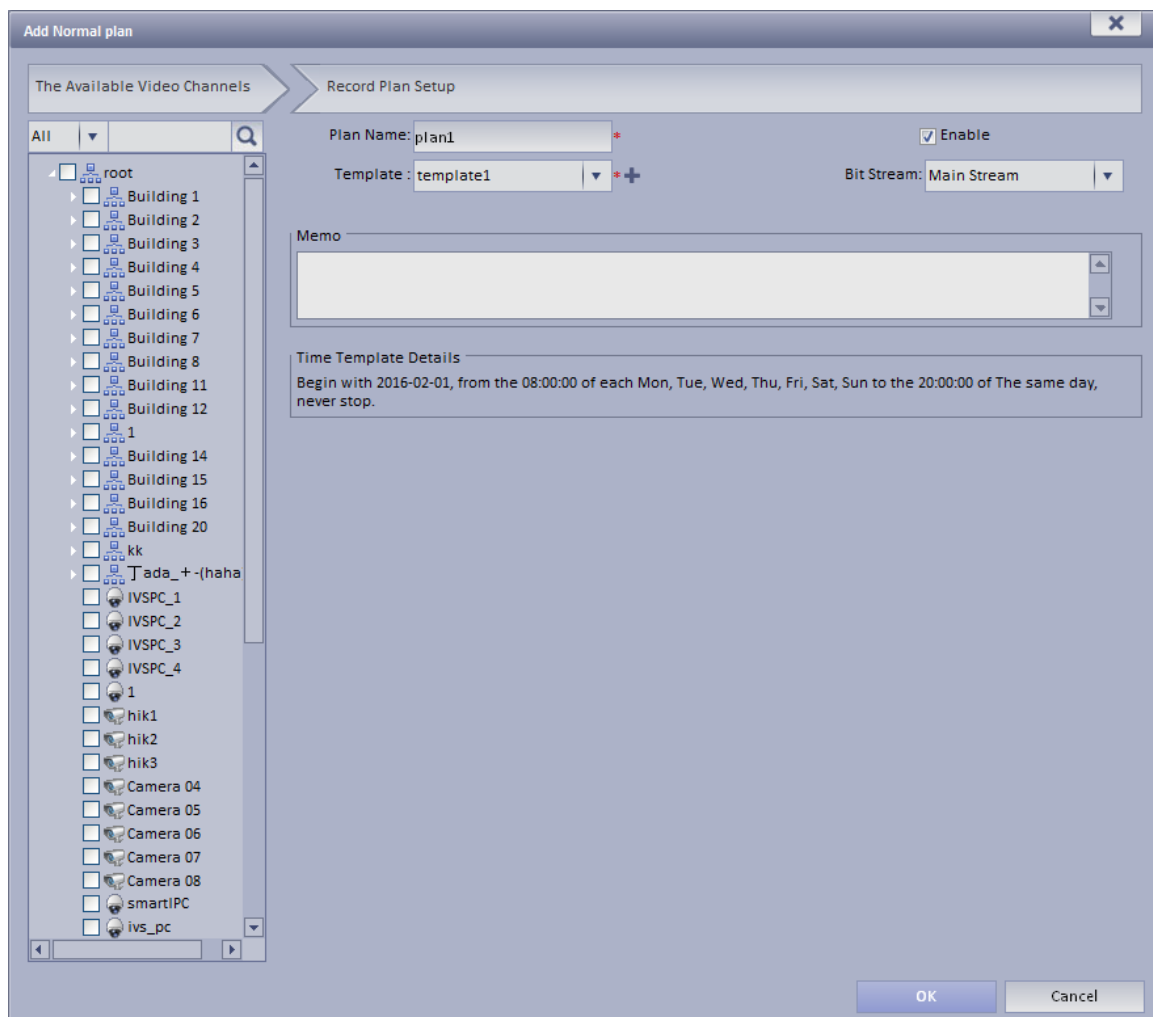


Figure 7- 6

d) Click OK. System displays configured normal plan.

7.2 Playback

7.2.1 Playback



Step 1. Open DSS Client. In Basic area, click **Playback**. System displays playback interface.

Step 2. In the upper-right corner, select Device, Center, or Period, and check device channel.

Step 3. Select date, time, record type for search.

Step 4. Click Search. After search is finished, channels with record will be displayed in time progress. See Figure 7- 7.

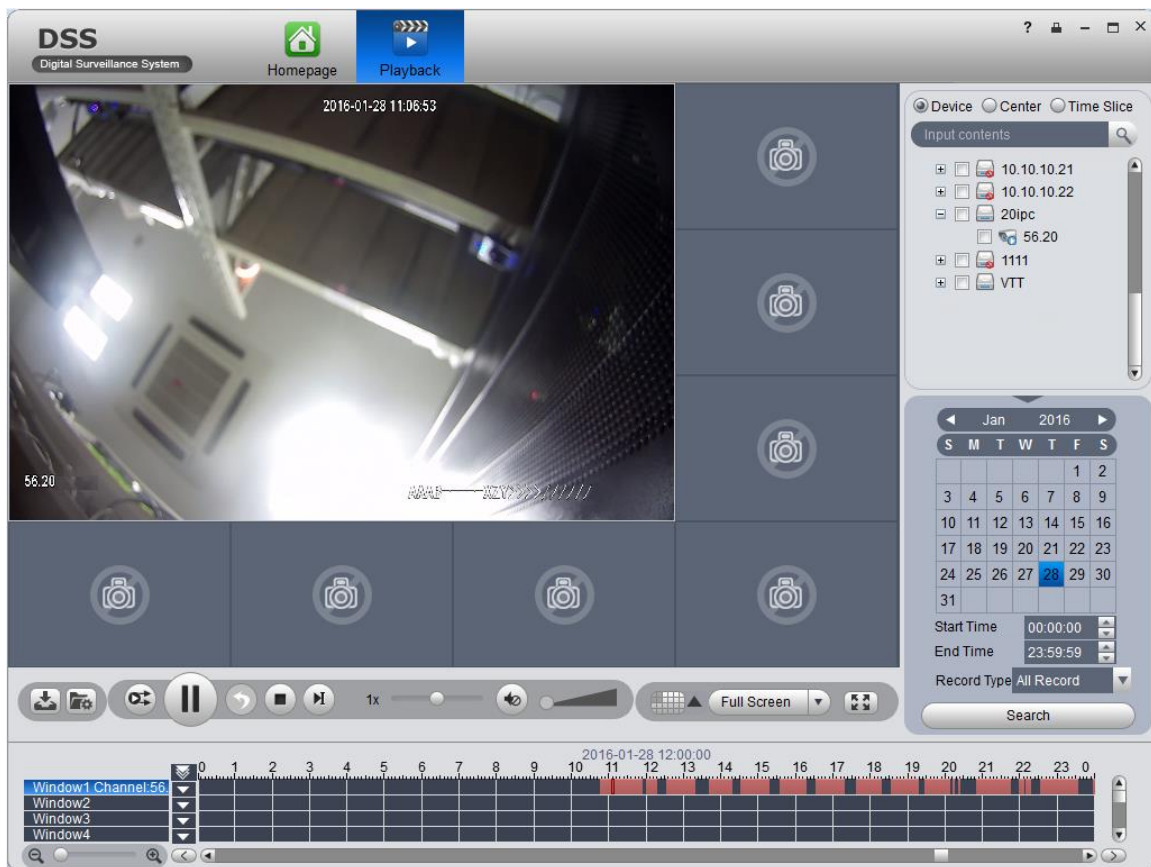



Figure 7- 7

Step 5. Select channel to playback, click  to play record. Or, double click time progress bar to playback record of the moment you click.

7.2.2 Fisheye Playback Record

The system supports to playback central record in fisheye device.

Step 1. Click Playback, enter Playback interface.

Step 2. On the right, click fisheye device and set time, click Search.

After videos are searched, double click to open record. Right click and select video mode of fisheye to playback, such as wall mount, see Figure 7- 8.

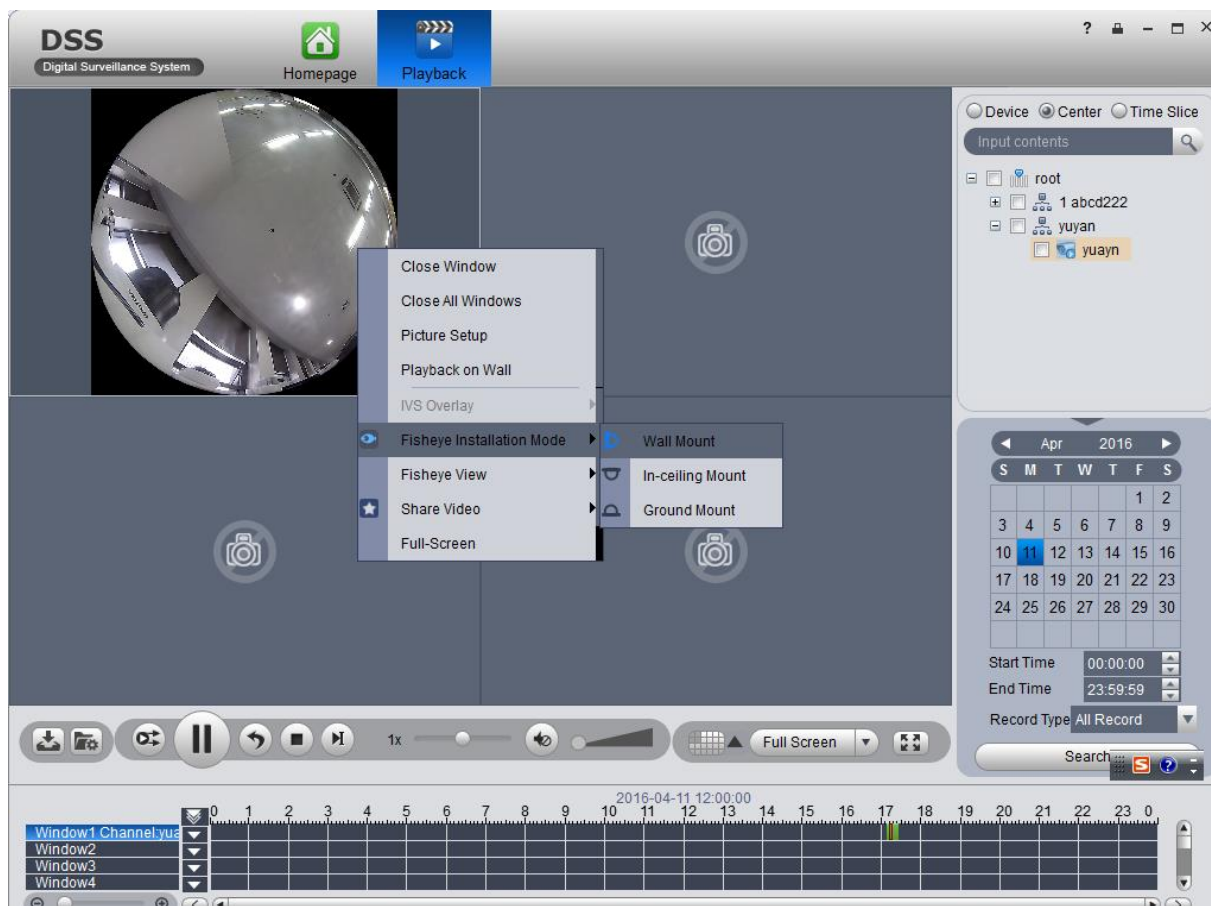


Figure 7- 8

Step 3. Select wall mount mode, right click Fisheye View and select split mode, such as 1+2 mode. See Figure 7- 9.

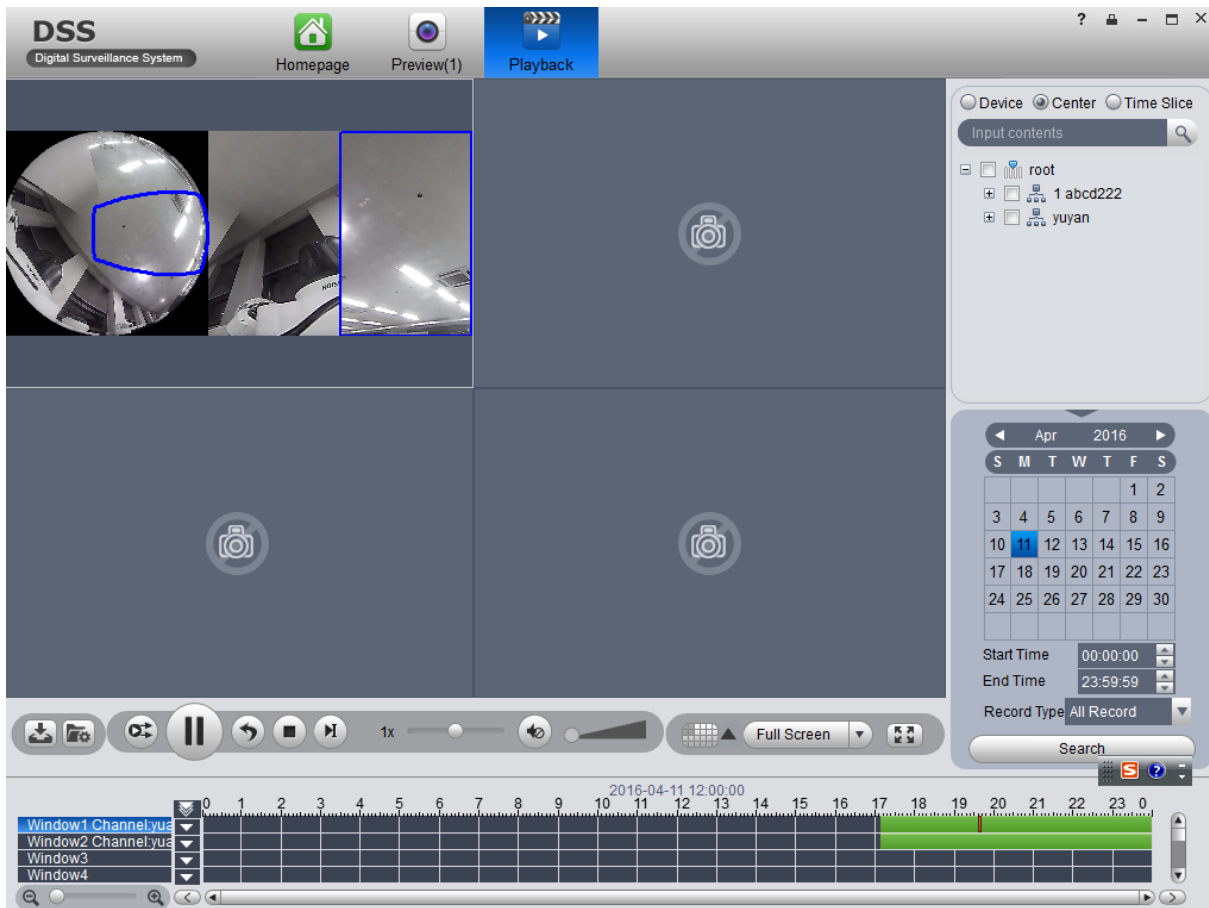


Figure 7- 9

You also can drag small block on fisheye to rotate video window on the right.

7.2.3 Playback by Time Slice

Warning

Time Slice function is for record store in center only, make sure record has been ready.

System Support Center recording will query the video window period by the average number of chips, and displays the corresponding period of the video in each window.

Step 1. In the Playback screen at the top right, select time slice.

Step 2. Select one channel, period for search, click Search.

The system will playback video corresponding period in each window. See Figure 7- 10.

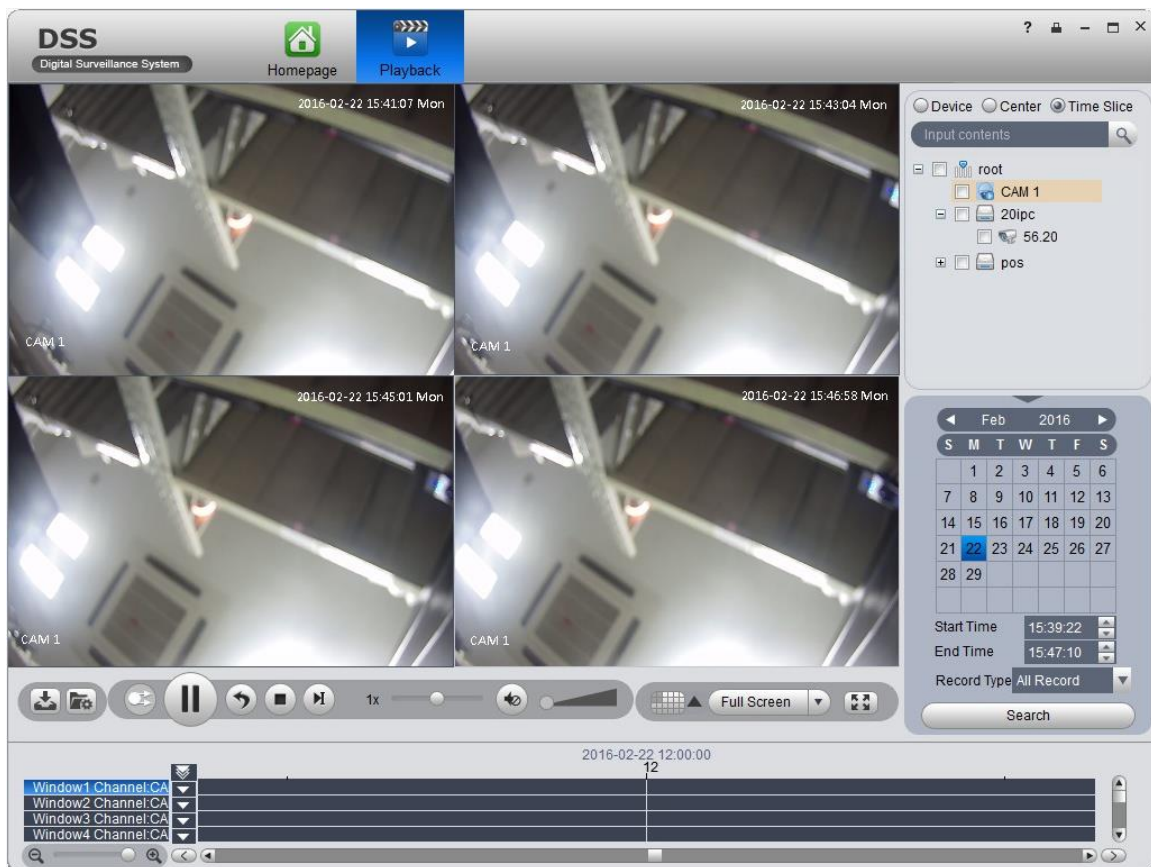



Figure 7- 10

7.2.4 Mark Record

Via marking record, you can create bookmark in designated record.

To mark record:

Step 1. Click  in Playback interface. System pops up a Add Mark box as in Figure 7- 11.

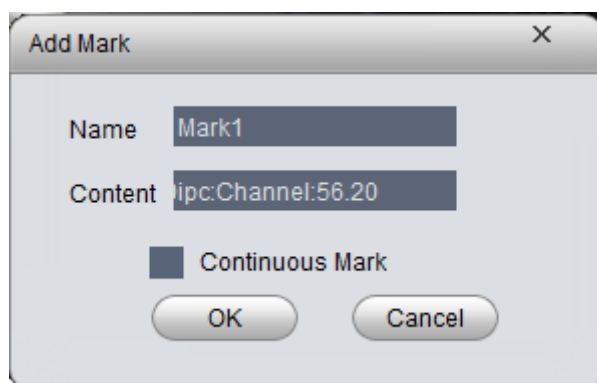






Figure 7- 11

Step 2. Input Name and Content, click OK. System pops up box saying mark successfully. Select Continuous Mark to continuously mark current record.

Step 3. Click  in playback window. System pops up a Mark Manager box as in Figure 7- 12.

Mark Manage						
SN	Name	Contents	Channel	Record Time	Record Source	Mark Time
1	Mark1	Device:20ipc:Cha...	56.20	2016-01-28 11:23:31	Device	2016-02-02 10:12:05

Figure 7- 12

Select record, click ,  and , you may playback, delete and edit the record. For marked record, it displays in progress bar in playback window, as in Figure 7- 13. Click , you can play marked record file.

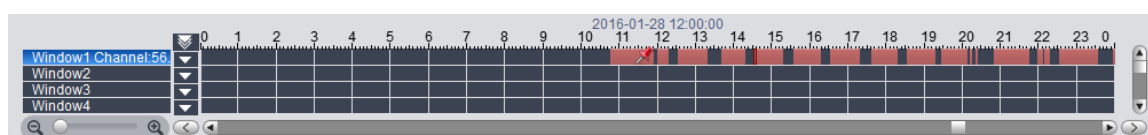


Figure 7- 13

DSS Client supports search, playback, edit and delete marked record.

If you have marked record, you can quickly search record with the mark, and you also can playback, edit and delete the record. Please refer to Ch 5.2.3.

To search marked record:



Step 1. In Extension area, click **Record Mark**. System displays Recrd Mark interface.

Step 2. In device list, select channel, time, and input mark name.

Step 3. Click Search Mark. System shows search result, see Figure 7- 14.

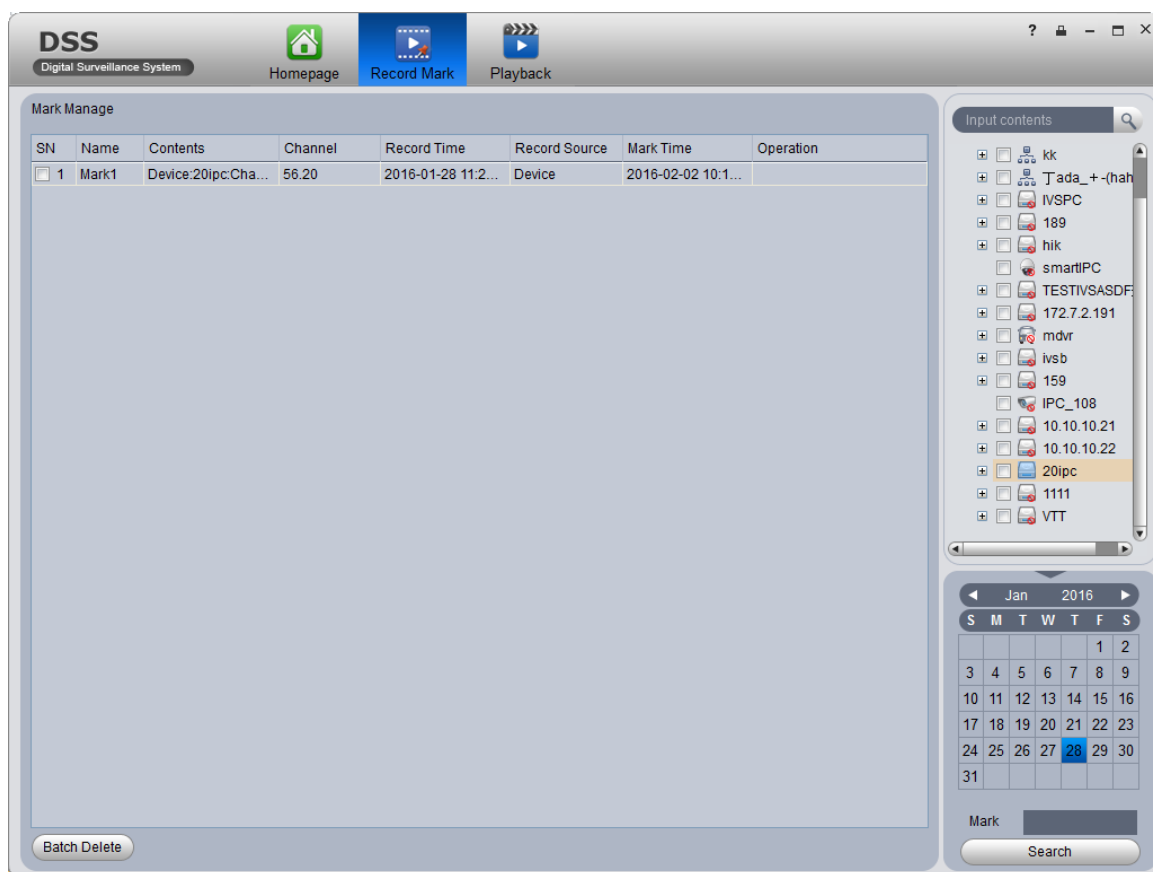




Figure 7- 14

Step 4. Check multiple marked records, and click  to delete checked records.

Click  to play record.

Click  to delete record.

Click  to edit.

7.2.5 Record Lock

Note:

You can only lock record which is recorded half an hour ago.

Step 1. In time bar in Record Playback window, right click time you want to lock record start at.

See Figure 7- 15.

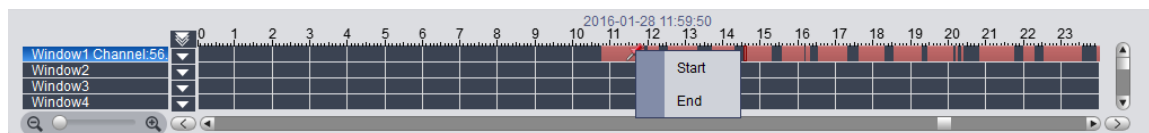


Figure 7- 15

Step 2. Fill in record parameter, click Lock.

Step 3. If you search again, you will see blue color in progress bar which is the locked record.

See Figure 7- 16 错误!未找到引用源。.

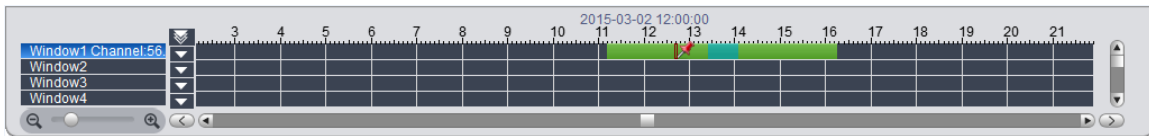


Figure 7- 16

Note:

When disk is full, ss will not overwrite locked record. SS is responsible for record storage, playback, download.

All of locked records can be search in Record Lock interface.



Step 1. Click **Record Lock** in Extension area. System shows Record Lock interface.

Step 2. In device list, select Channel, Start Time, End Time and Enter Lock Reason. Click Search to search lock record. See Figure 7- 17.

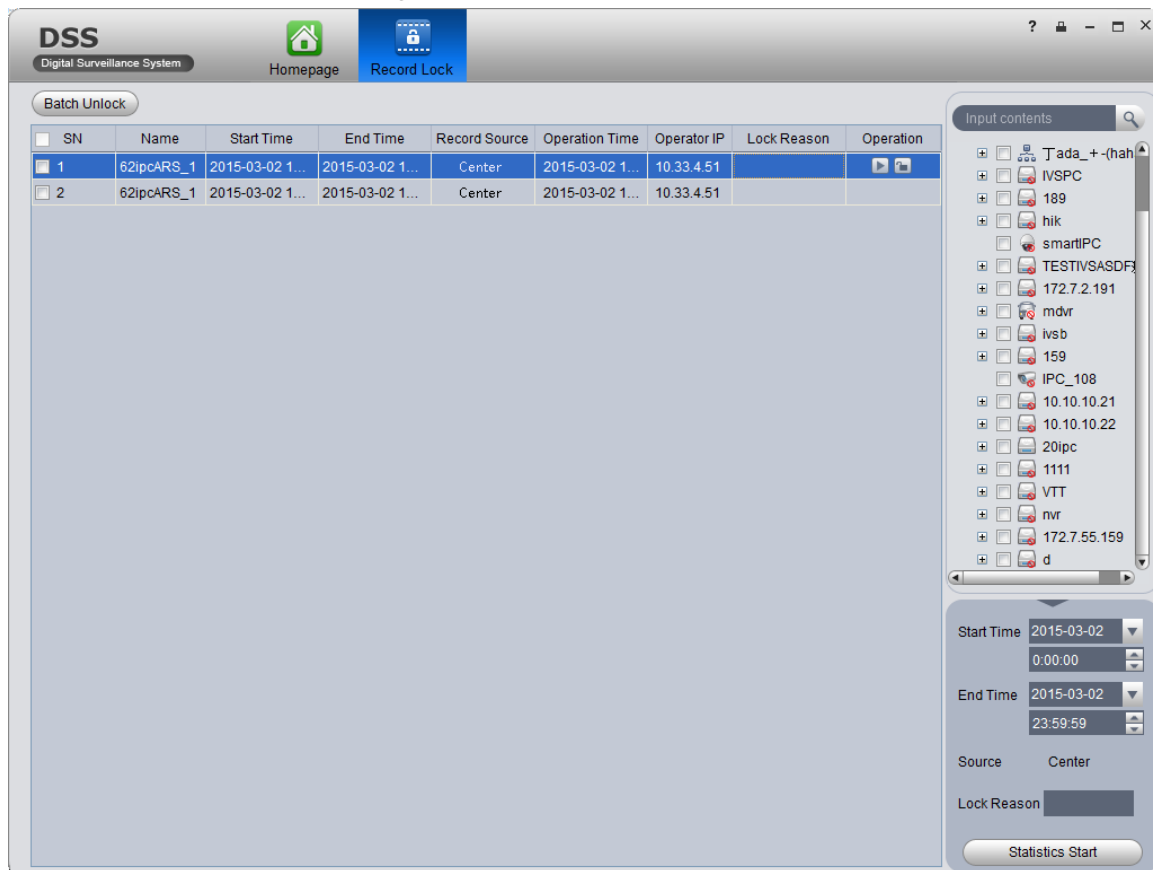


Figure 7- 17



Step 3. Select channel, click **Batch Unlock** to unlock multiple records at once.

Click to play record.

Click to unlock record.

7.2.6 Download Record

The system supports the playback of video downloaded and saved to a local PC.

Step 1. Click  above playback window or click . See Figure 7- 18.

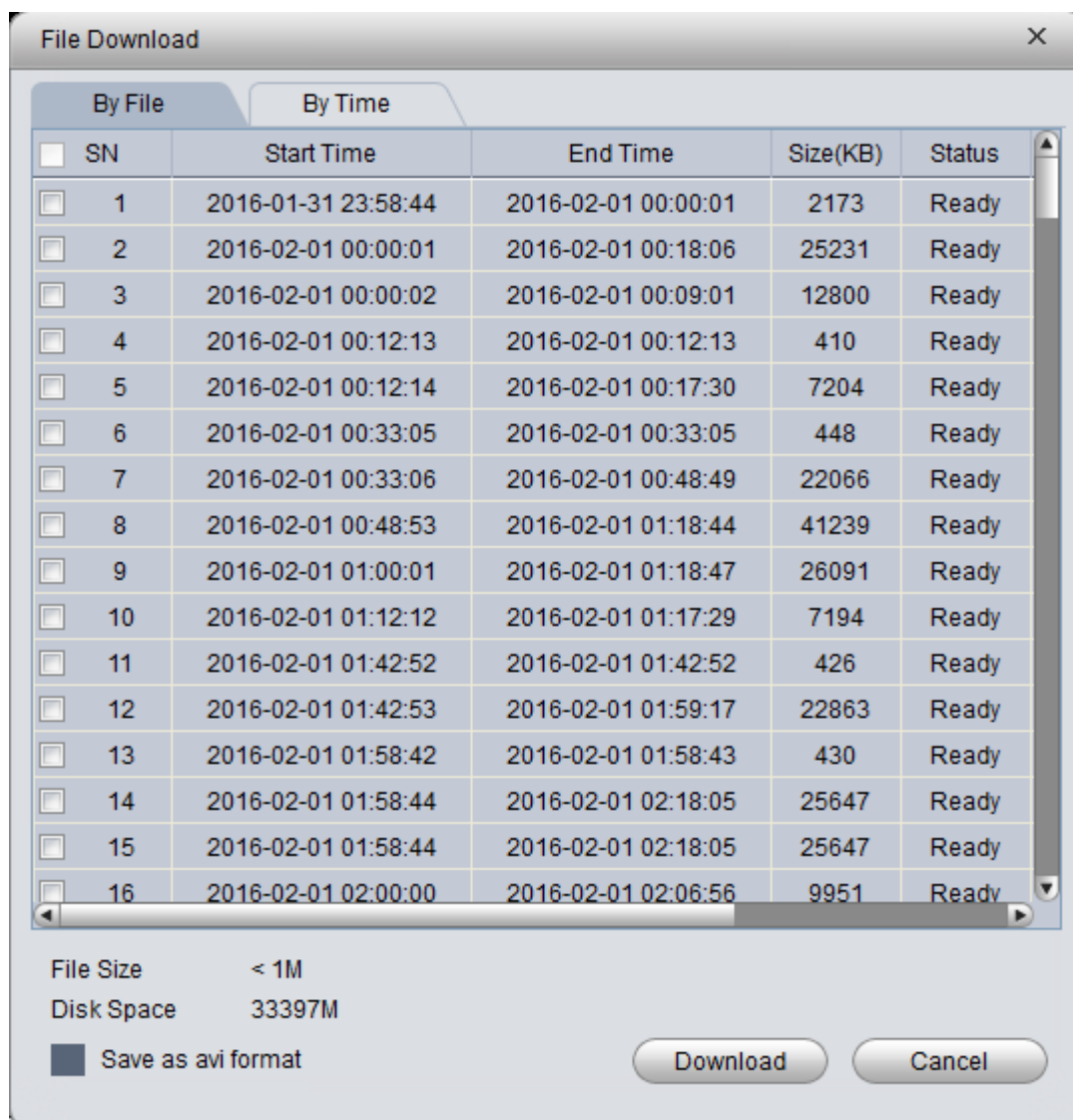


Figure 7- 18

Step 2. Check the file to be downloaded, select Download grounds , enter Comments , and click Download.

The system starts downloading the file, Download Status to downloading. You can also click download time tab, select the time period, by time period download video.

Step 3. Click  in Record Playback interface. See Figure 7- 19.

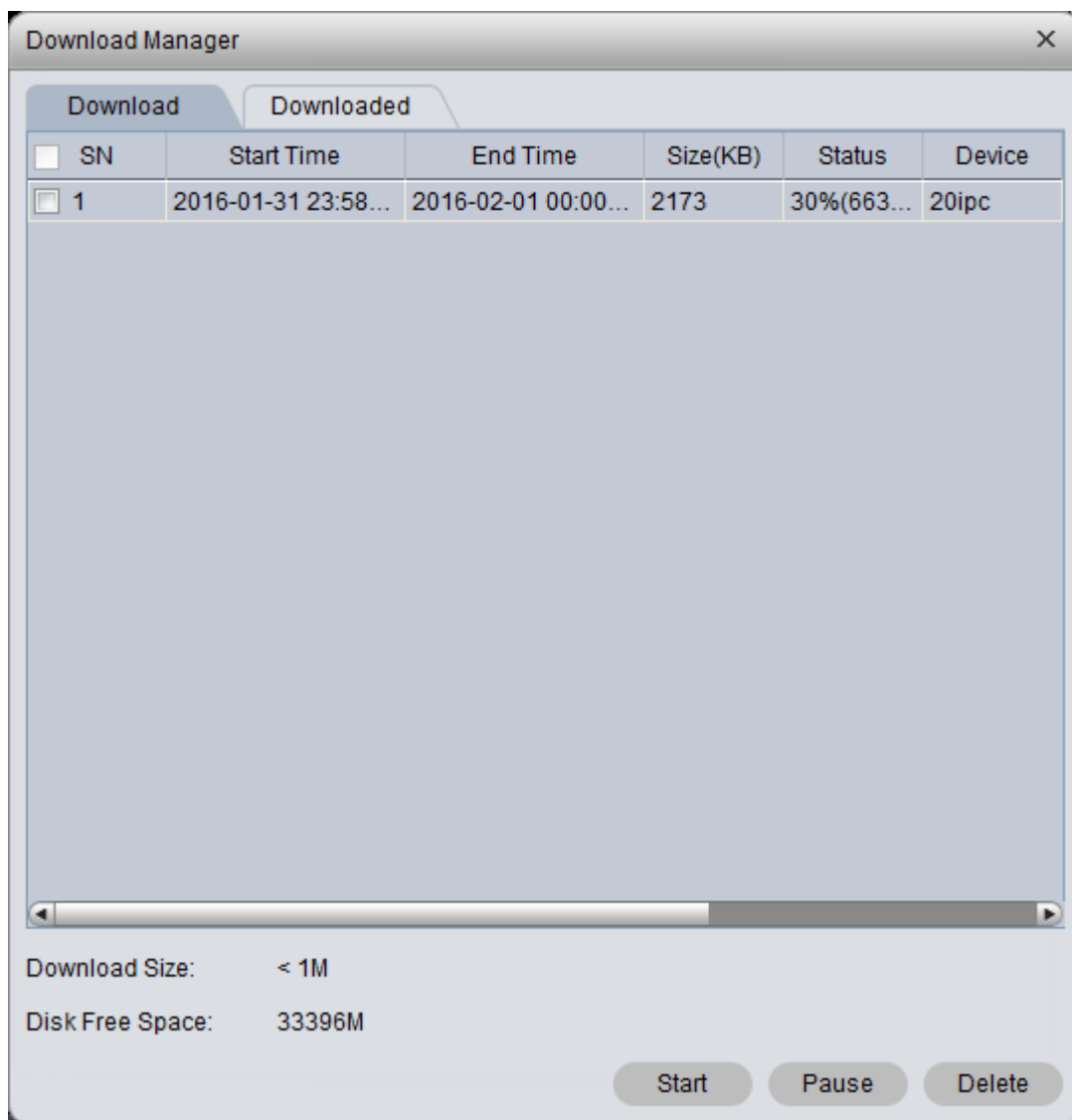


Figure 7- 19

You can view the download progress; you can check the video files being downloaded pause download and delete the file being downloaded.

8 E-Map

Before you can use E-map function, you must configure type of map on DSS, including raster map, Google, Google offline map, while you must drag video device, ANPR device, alarm device onto map so that you can use E-map function on Client. E-Map supports alarm prompt, video preview and playback.

8.1 Raster Map

8.1.1 Configure System and Select Map

- Step 1. In IE enter IP address of DSS Platform followed by “/config”, such as “172.7.50.50/config”. Press Enter.
- Step 2. Enter username and password to login. \
- Note:
Default username is “admin”. Default password is “123456”.
- Step 3. Select Map Config tab. See Figure 8- 1.

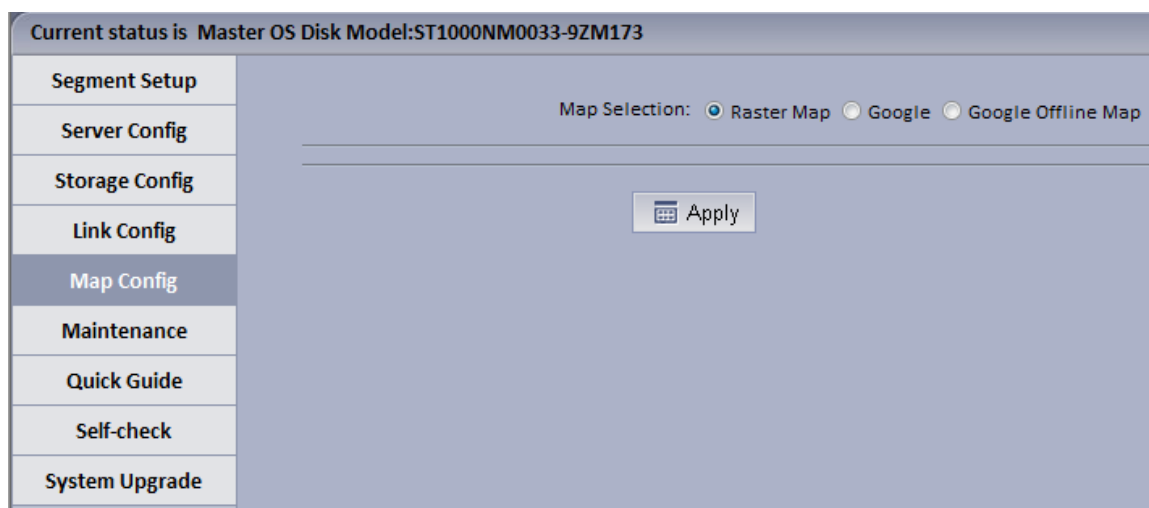


Figure 8- 1

- Step 4. Select map type to set. Click Apply.

8.1.2 DSS Manager Map Config

DSS Manager supports to add video device, ANPR device, access control device, video intercom device and etc.

- Step 1. Login DSS Manager.
- Step 2. Select Business>E-map.
- Step 3. Click Add.
- Step 4. Select picture you want to add, click Submit.
- See Figure 8- 2.

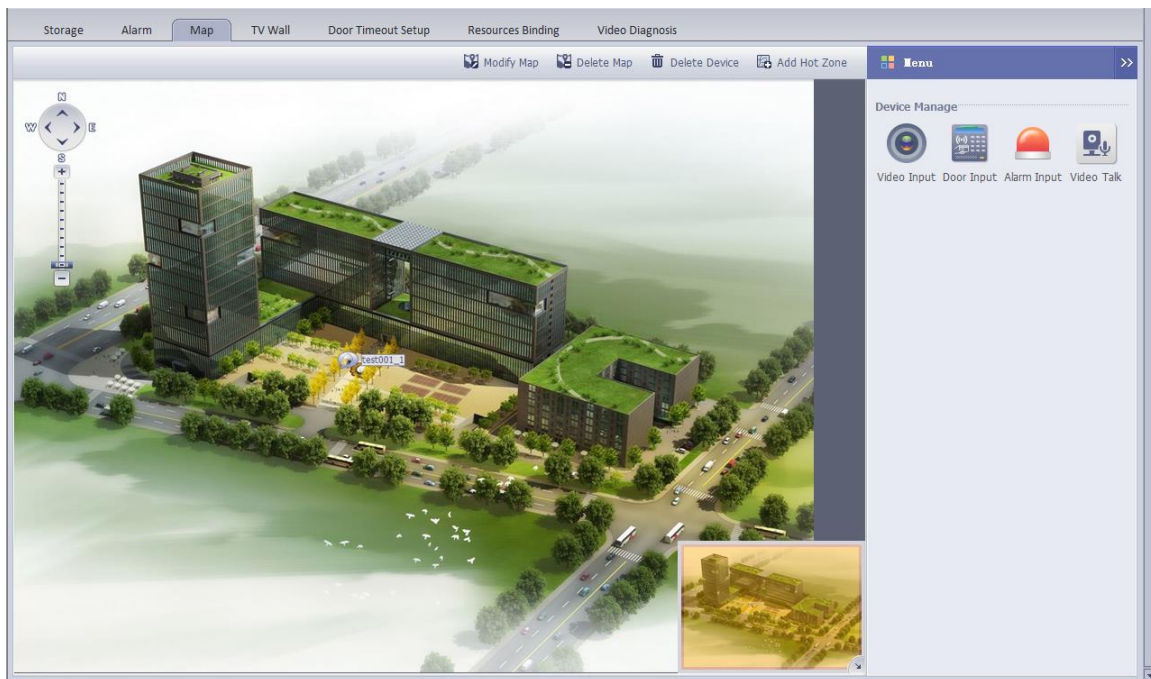


Figure 8- 2

Note:

Hot zone: To add a hot zone on map, click Add Hot Zone, then system will auto link to hot zone map.

Step 5. Drag device under Video Input tab on the right onto map. See Figure 8- 3.

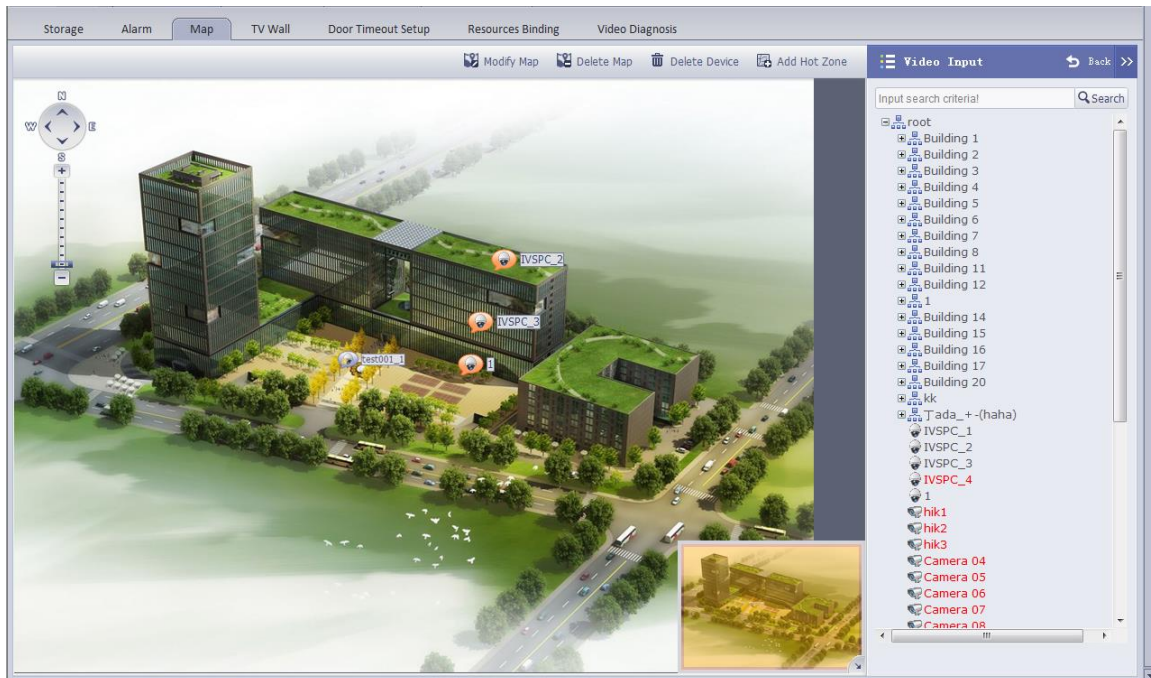


Figure 8- 3

Font color in Video Input device list:

- Red: this channel has not configured on map.
- Grey: this channel has been added on map.

Step 6. Drag device under Door Input, Alarm Input and etc. onto the map. Config of map is complete.

8.1.3 DSS Client Map Function

Step 1. Login DSS Client.



Step 2. Click in Basic Function area. See Figure 8- 4.

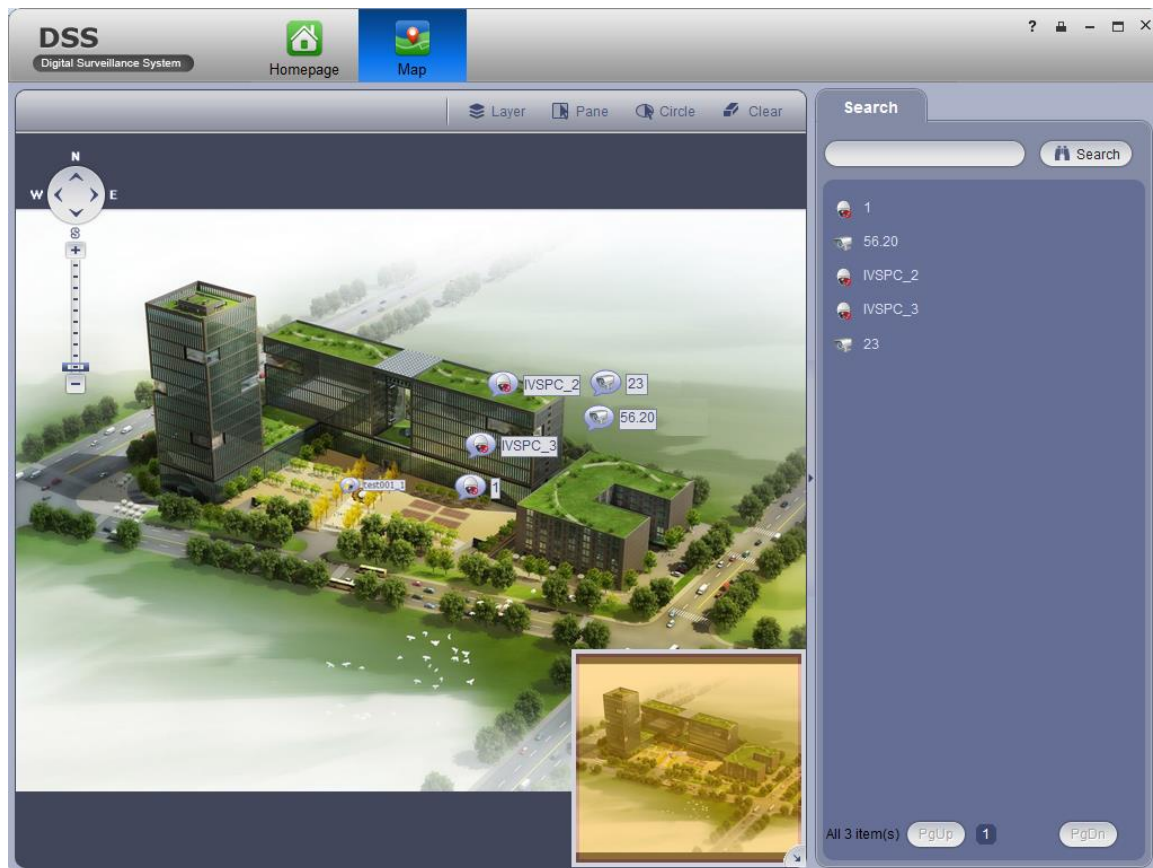


Figure 8- 4

Step 3. Client device under Search tab, or directly click device on map.

Device info are shown on map, such as channel name, device no. and channel no.

Step 4. Double click device on map, or right click device, select Open Video to open live preview, see 错误!未找到引用源。 .

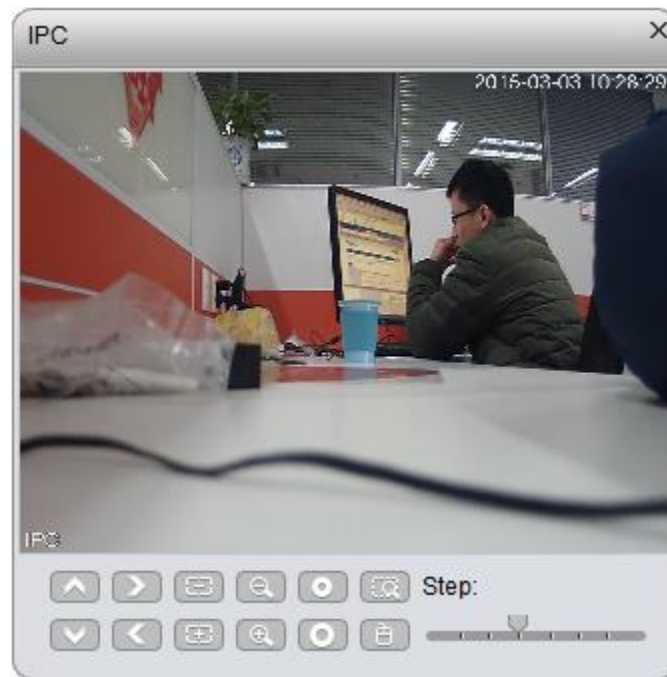


Figure 8- 5

Step 5. Right click device, select record playback, configure playback time and storage type. You can search playback record.
See Figure 8- 6.



Figure 8- 6

8.2 Google, Google Offline Map Config

8.2.1 Configure System and Select Map

Google and Google offline map have similar configuration steps, so here we make Google offline map as an example.

Step 1. Login DSS config system.

Step 2. Select Map config tab. See Figure 8- 7.

Segment Setup

Server Config

Storage Config

Link Config

Map Config

Maintenance

Quick Guide

Self-check

System Upgrade

Map Selection: ☐ Raster Map ☐ Google ☒ Google Offline Map

Map Engine Path:

Map Engine WAN IP:

Longitude and Latitude Setup

Longitude:

Latitude:

Map Zoon Setup

Map Initial Zoom Level:

Map Spot Display Level:

Min Map Display Level:

Max Map Display Level:

Apply

Figure 8- 7

Step 3. Select map type you want to set, configure map parameter, click Apply.

8.2.2 DSS Manager Map Config

Step 1. Login DSS Manager.

Step 2. Select Business>E-map.

Step 3. Drag device channels under video device, ANPR device, alarm input tabs onto map, see Figure 8- 8.

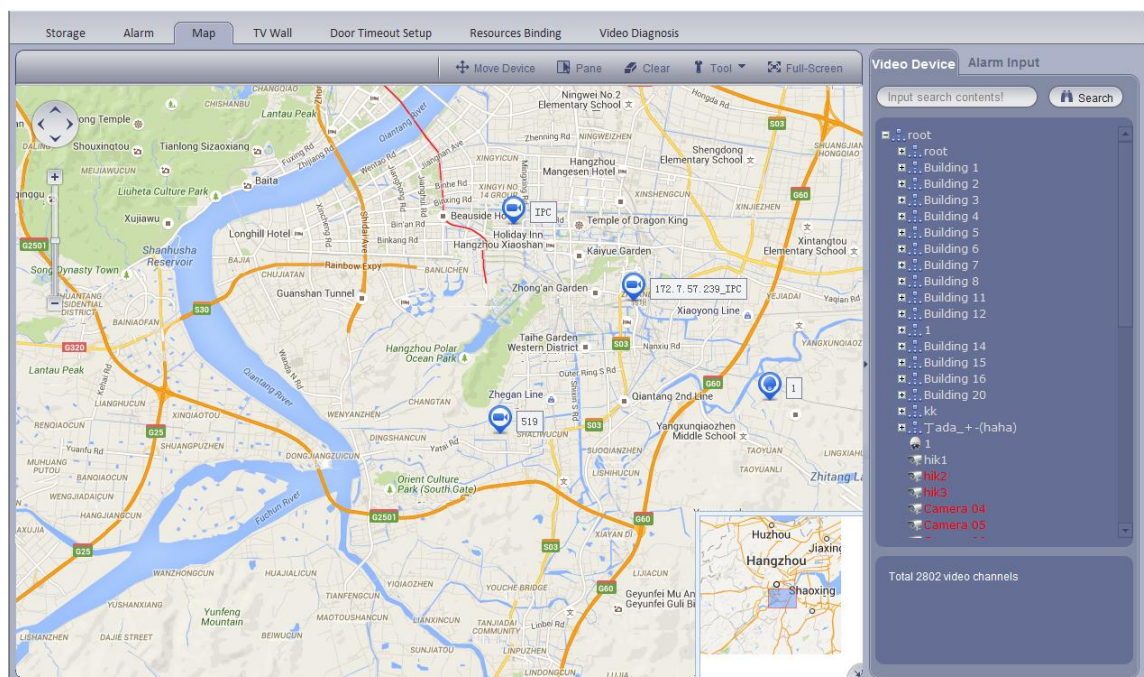


Figure 8- 8


Parameter	Note
Move Device	Click to move device on map.
Pane	Select device via pane.
Clear	Clear pane selection on screen.
Tool	Include distance, side measuring, mark and reset. <ul style="list-style-type: none"> Measure distance: measure the actual distance between two points. Measure side: measure the actual area of a certain zone on map. Mark: mark on map. Reset: reset map to initial position.
Full-Screen	Show e-map in full screen. Under full screen mode, click exit full screen at the upper-right corner to exit.

8.2.3 DSS Client Using Map Function

8.2.3.1 Surveillance

Step 1. Login DSS Client.



Step 2. Click  in Basic Function area. As shown in Figure 8- 9, device dragged onto map on Manager are shown.

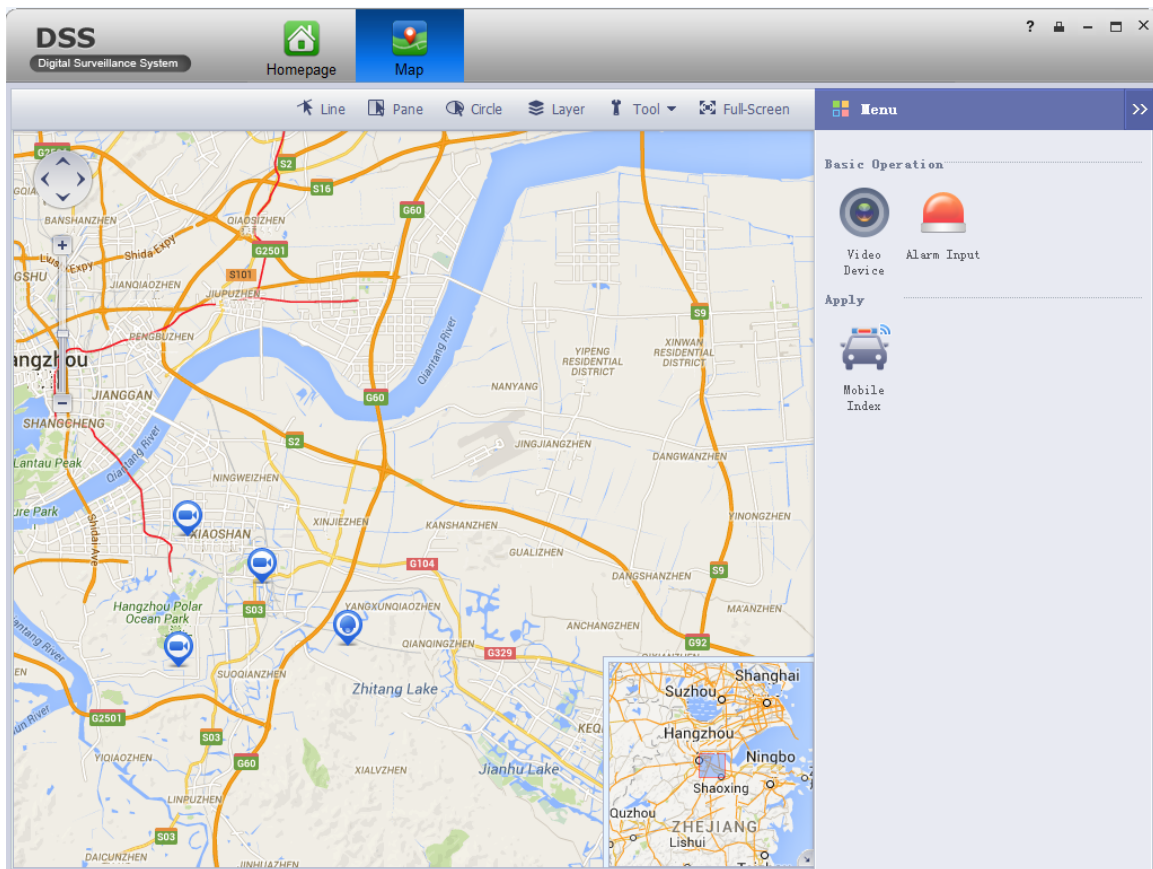
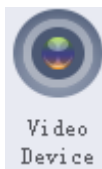


Figure 8- 9



Step 3. Click **Video Device** on the right. The interface shows surveillance spots in a list with their detailed locations, see Figure 8- 10.

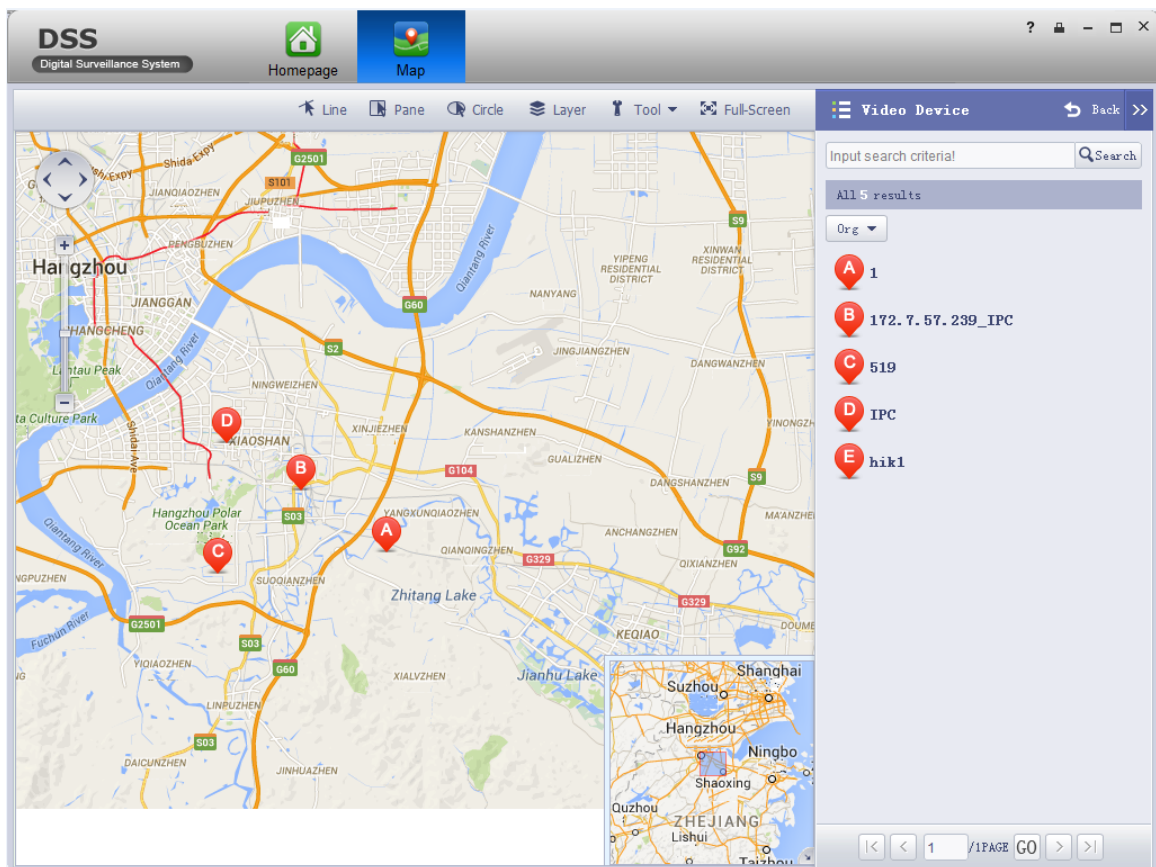


Figure 8- 10

Step 4. Click spot, for example: A.

Detailed location is shown on map, such as device no., channel name and etc. See Figure 8- 11.

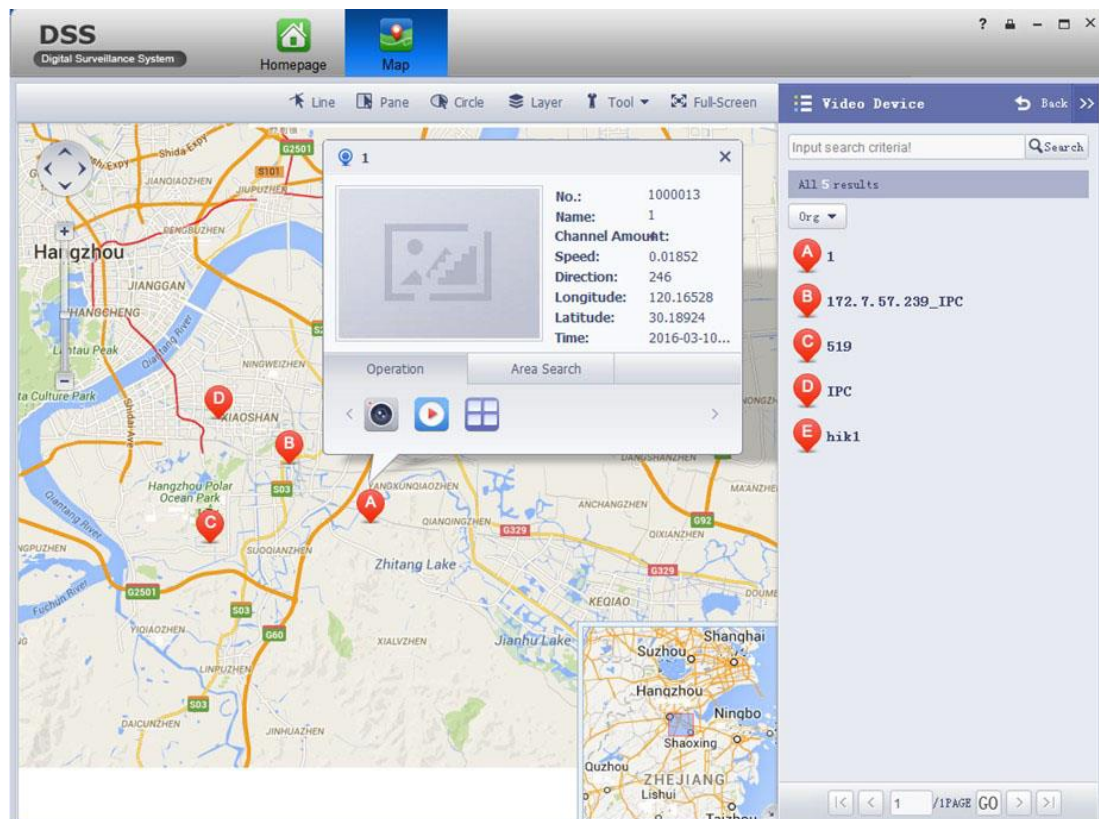






Figure 8- 11

Parameter		Note
Device Operation		Open live preview of this channel. When live preview is in progress, the system supports local record, audio intercom, snapshot and ON/OFF audio.
		Playback this channel's record.
		Decode and output this channel to wall.
Area Search		Search for video channel and ANPR e-police within surrounding of this channel.

1. Click  in Operation area, to view live preview.
See Figure 8- 12.

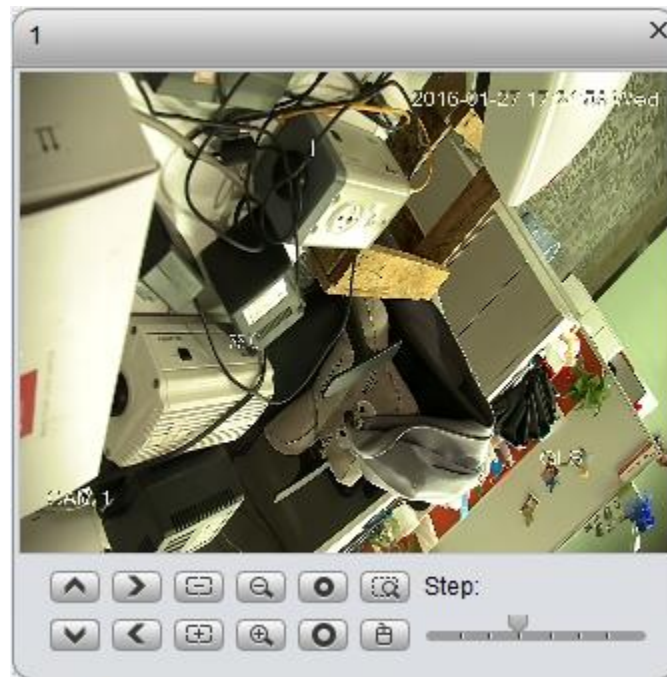



Figure 8- 12

2. Click  in device operation area, to playback record on device or platform. See Figure 8- 13.

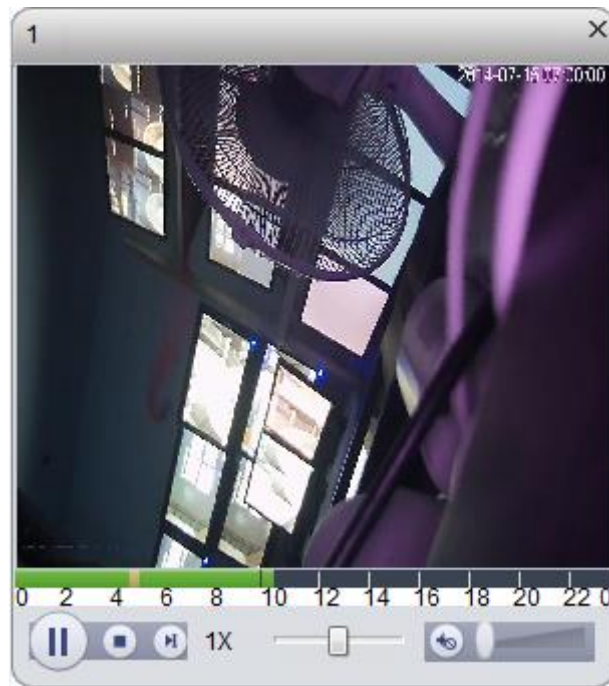


Figure 8- 13

3. Click within operation box, to output video to wall.
See Figure 8- 14. Please refer to Ch 9.

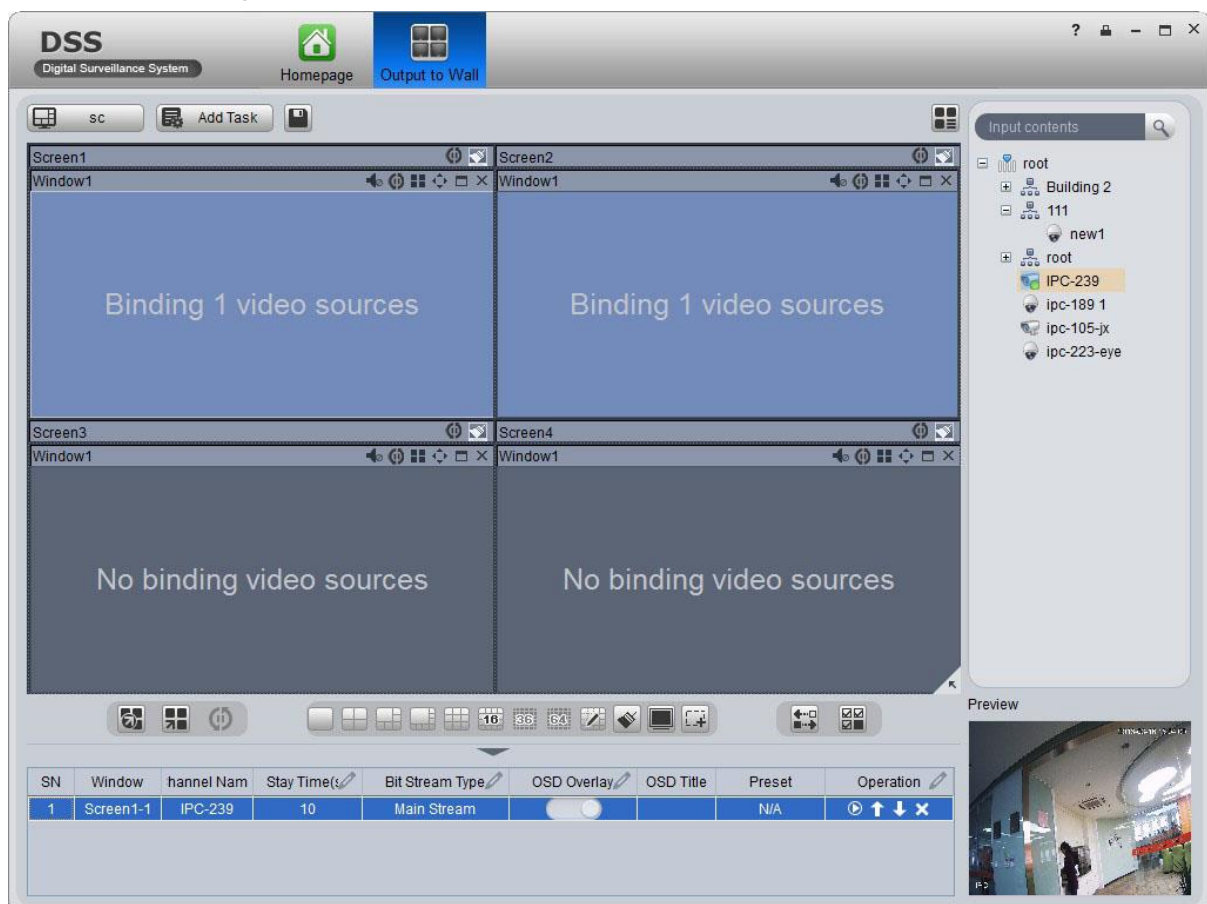



Figure 8- 14

8.2.3.2 Mobile Police

If a vehicle has installed MDVR or GPS, or a policeman carries MPT300 device, then you can view live moving pattern of vehicle or the policeman, and search pattern history of vehicle or police man.

Note:

Before you can view pattern, you must go to DSS Manager General>Device, Encoder tab, add MDVR and MPT300 device via active registration method, and then drag the device onto e-map.

Step 1. Client  on the right in E-map interface. System shows Mobile Police interface, you can see existing mobile device and GPS device, see Figure 8- 15.

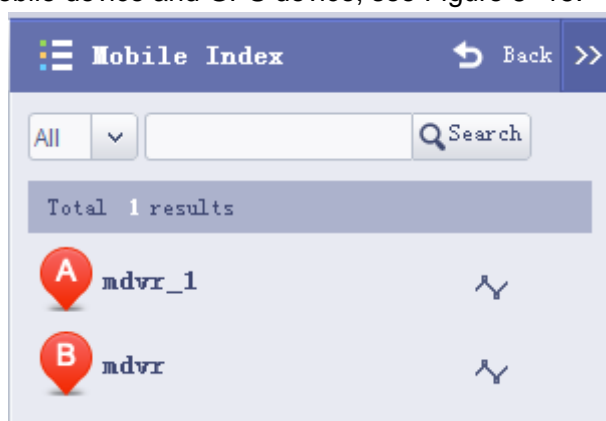



Figure 8- 15

Step 2. Click  next to device. See Figure 8- 16.

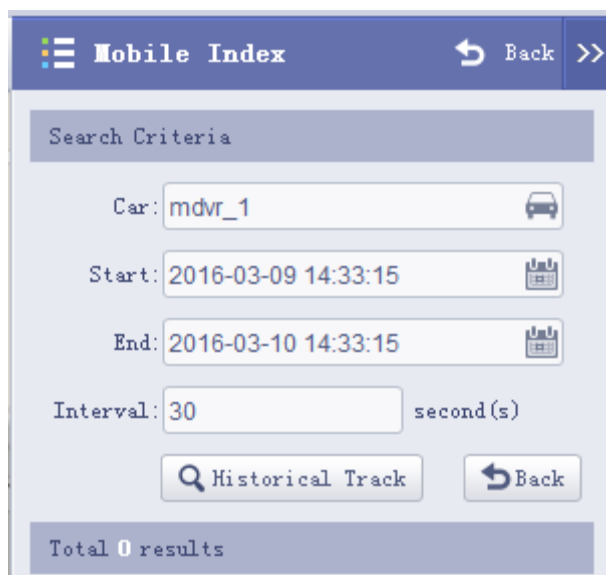


Figure 8- 16

Step 3. Configure Start Time, End Time and Interval.

- Start time and end time cannot have interval over 2 days.
- If you intend to search pattern of other police car, then you can click “policeman police car” field, and select from the dropdown list.

Step 4. Click pattern history. The system shows result as in Figure 8- 17.

The screenshot displays the 'Mobile Index' application interface. At the top, there is a header bar with a menu icon, the text 'Mobile Index', and navigation buttons for 'Back' and '>>'. Below the header is a 'Search Criteria' section with the following fields: 'Car:' with the value 'test1', 'Start:' with the value '2016-03-10 08:48:15', 'End:' with the value '2016-03-11 08:48:15', and 'Interval:' with the value '30' and the unit 'second(s)'. There are two buttons: 'Historical Track' and 'Back'. Below the search criteria, a status bar indicates 'Total 654 results'. The main content area shows a list of four results, each with a red location pin icon and a number in a red circle. The data for each result is as follows:

Result Number	Time	Lon@Lat	Speed (km/h)	Direction
1	2016-03-10 11:40:56	120.165270 30.189240	0.00	East towards South0°
2	2016-03-10 11:41:26	120.165276 30.189238	0.02	East towards South0°
3	2016-03-10 11:41:56	120.165290 30.189241	0.03	East towards South0°
4	2016-03-10 11:42:26	120.163216 30.188230	38.27	

At the bottom of the screen, there is a pagination bar with navigation buttons: '<|', '<', '1', '/66PAGE', 'GO', '>', and '>|'.

Figure 8- 17

Step 5. Click result, the system will show details in e-map, see Figure 8- 18.

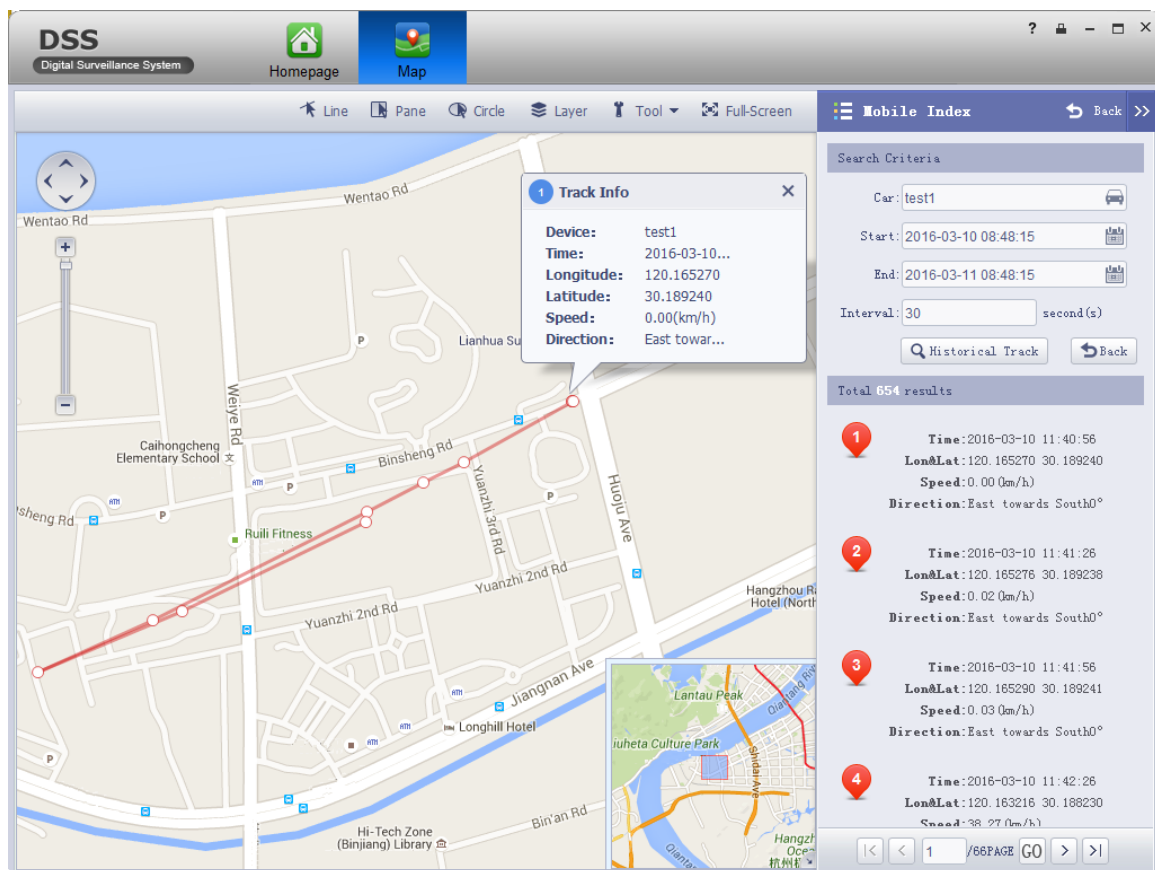


Figure 8- 18

Click [Back](#) at the upper-right corner to go back to E-Map homepage.

9 Alarm

DSS Platform supports alarm function, and you need to set alarm source on device first. Different devices need different alarm type. Here makes NVR an example and introduces web config steps.

9.1 Device-end Config

Step 1. Directly login device web end, or go to DSS Manager-end Device interface>NVR device

tab, click .

Step 2. Open EVENT tab.

Step 3. Click VIDEO DETECTION.

Video detection includes Motion Detect, Video Loss, Tampering, Video Analytics. For example, make Motion Detect as an example. See Figure 9- 1.

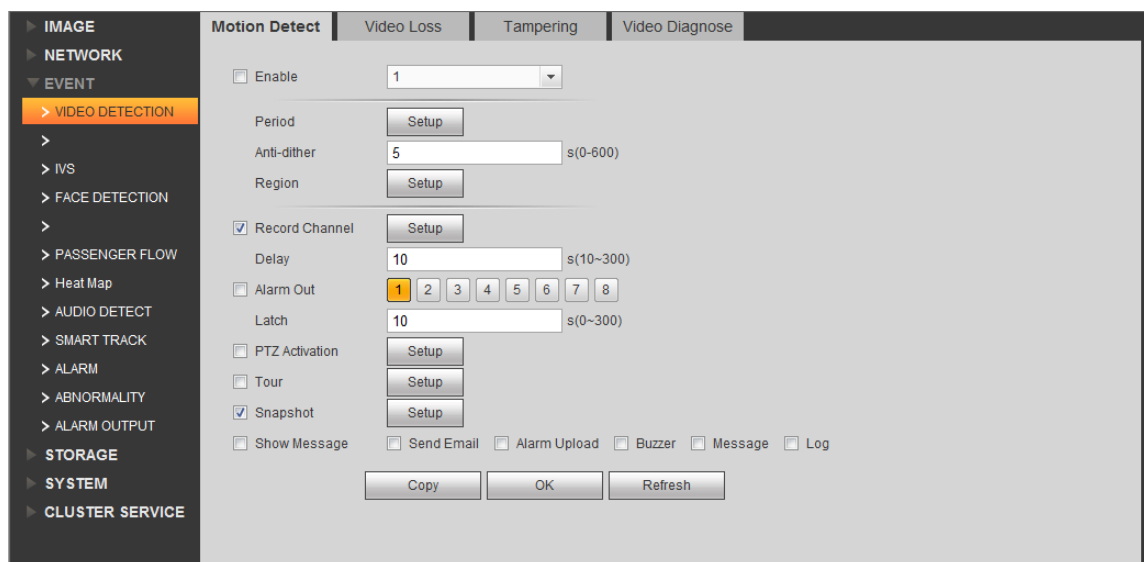


Figure 9- 1

Parameter	Note
Enable	
Period	Set monitoring period.
Anti-dither	Set anti-dither time.
Region	Set monitoring zone.
Record Channel	
Delay	Set alarm delay time.
Alarm Out	Select alarm output.
Latch	
PTZ Activation	PTZ activation.
Tour	Select alarm video output.
Snapshot	Set snapshot channel.

Parameter	Note
Show Message	Send Email: send email when alarm occurs. Alarm Upload: report alarm to DSS platform. Here please check, otherwise the platform cannot record alarm. Buzzer: buzzer prompt alarm. Message: send message when alarm occurs. Log: alarm log generated when alarm occurs.

Step 4. Configure parameter info, click OK.

Step 5. According to actual need, you can click FACE DETECTION, AUDIO DETECT, ALARM and other tabs to configure alarm parameter.

Then configure Local Alarm under Alarm tab.

Step 6. Select ALARM>Local Alarm. See Figure 9- 2.

Figure 9- 2

Parameter	Note
Period	Set monitoring period.
Delay	Set alarm delay time.
Alarm Out	Select alarm output.
PTZ Activation	PTZ activation.
Tour	Select alarm video output.
Snapshot	Set snapshot channel.
Show Message	Send Email: send email when alarm occurs. Alarm Upload: report alarm to DSS platform. Here please check, otherwise the platform cannot record alarm. Buzzer: buzzer prompt alarm. Message: send message when alarm occurs. Log: alarm log generated when alarm occurs.

Step 7. Configure parameters, click OK.

9.2 Config DSS Manager Alarm Scheme

Manager configured alarm scheme is for the entire platform, not a specific user. Thus all user logged in the platform can receive alarm.

- Contact: user you want to send alarm to.
- Link level: link level of alarm.
- Alarm time template: time template of alarm.

- Alarm storm: batch config time interval of alarm. For the same device and same type of alarm, when alarm is frequent, set alarm interval may make alarm report at a fixed interval.
- Alarm video on wall: configure output to wall.
- Alarm scheme: used to configure alarm scheme template.


9.2.1 Set Contacts

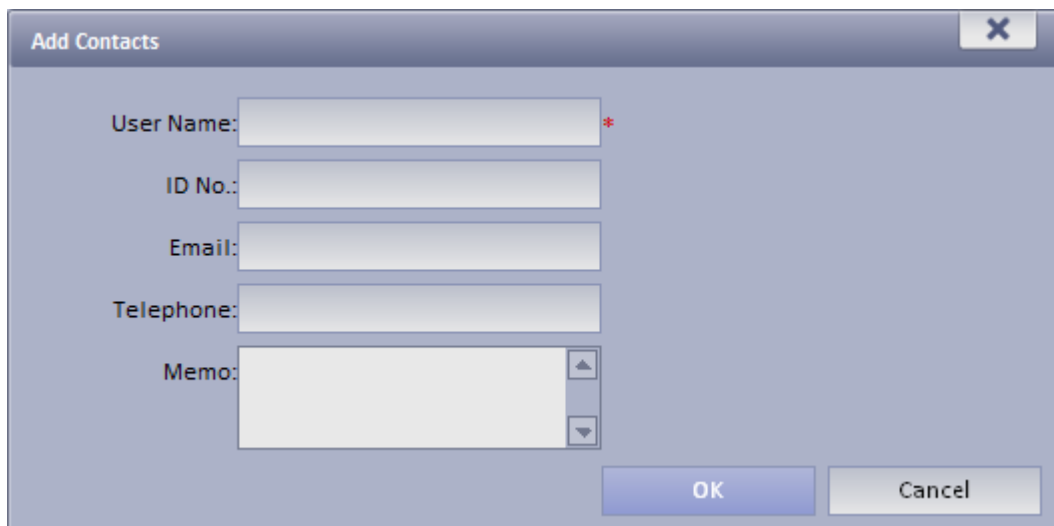
When you add user into contacts and if the setup of Link Level includes email or sms, then system will send email or sms to the new contact.

Step 1. Login DSS Manager.

Step 2. Click Business>Alarm tab. System displays Alarm interface.

Step 3. Click  **Contacts**.

Step 4. Click  **Add**. System pops up a Add Contacts box. See Figure 9- 3.



The 'Add Contacts' dialog box contains the following fields:

- User Name: *
- ID No.:
- Email:
- Telephone:
- Memo:

Buttons: OK, Cancel


Figure 9- 3

Step 5. Input User Name, ID No., Email and Telephone.

Step 6. Click OK.

9.2.2 Set Link Level

You can set Link Level and its corresponding Link Mode as 1 is the highest and 5 is the lowest.

Step 1. Click  **Link Level**. System pops up an interface as in Figure 9- 4.






Link Name	Link Mode	Link Memo	Operation
LEVEL 5	Email, Record, SMS, TV Wall	LEVEL 5	
LEVEL 4	Email, Record, SMS, TV Wall	LEVEL 4	
LEVEL 3	Email, Record, SMS, TV Wall	LEVEL 3	
LEVEL 2	Email, Record, SMS, TV Wall	LEVEL 2	
LEVEL 1	Email, Record, SMS, TV Wall	LEVEL 1	

Figure 9- 4

Step 2. Click . See Figure 9- 5.

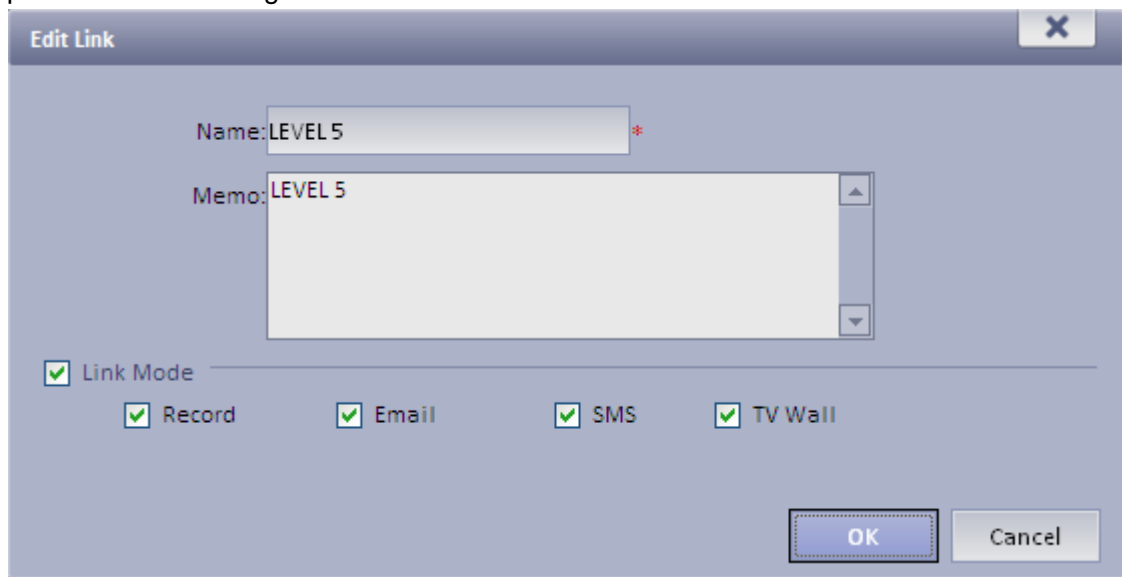
The image shows a software dialog box titled "Edit Link" with a close button (X) in the top right corner. Inside the dialog, there are two text input fields: "Name:" containing "LEVEL 5" with a red asterisk to its right, and "Memo:" containing "LEVEL 5". Below these fields is a horizontal line. Under the line, there are four checked checkboxes: "Link Mode", "Record", "Email", "SMS", and "TV Wall". At the bottom right of the dialog are two buttons: "OK" and "Cancel".


Figure 9- 5

Step 3. Set Link Level Name and select Link Mode.

Step 4. Click OK.

9.2.3 Set Alarm Time Template

You can follow these steps:


Step 1. Click  Alarm Time Template. System displays time template interface.

Step 2. Click Add. System pops up an Add Alarm Time Template box.

Step 3. Input Template Name, select cycle period. Set Single Period and link level. See Figure 9- 6.

Figure 9- 6

Note:

- If you check the Copy box next to Template Name, then you need to select template in the dropdown box.
- You shall set Link Level first before select level here. Please refer to Ch 7.2.2.
- Click  to set Link Level of other periods.

Step 4. Click OK.

9.2.4 Set Alarm Storm

You can set alarm interval and customized alarm storm as batch.

- **Set alarm interval as batch**

Step 1. Click  Alarm Storm. System displays Alarm Storm interface.

Step 2. Select one or more alarm storm, and click  Alarm Interval Setup. System pops up a box as in Figure 9- 7.




Figure 9- 7

Step 3. Set Alarm Interval.

Note: The interval cannot be over 86400 seconds.

Step 4. Click OK.

You can click  to stop alarm interval as batch.

9.2.5 Set Alarm Video on Wall

Note:


You shall configure TV wall before outputting alarm video to the TV wall. Please refer to font color in “0 video input” device list.

- Red: the channel has not configured on map.
- Grey: the channel is added on map.

Step 1. Drag ANPR input, A&C input and alarm input on the right onto map.

Step 2. Complete e-map config.

Configure Alarm Scheme as follows:

Step 1. Click .

Step 2. Click . System pops up an Add Alarm Scheme box.

Step 3. Input Scheme Name, select template and check Enable.

Step 4. Drag channel on the left to TV wall window. See Figure 9- 8.

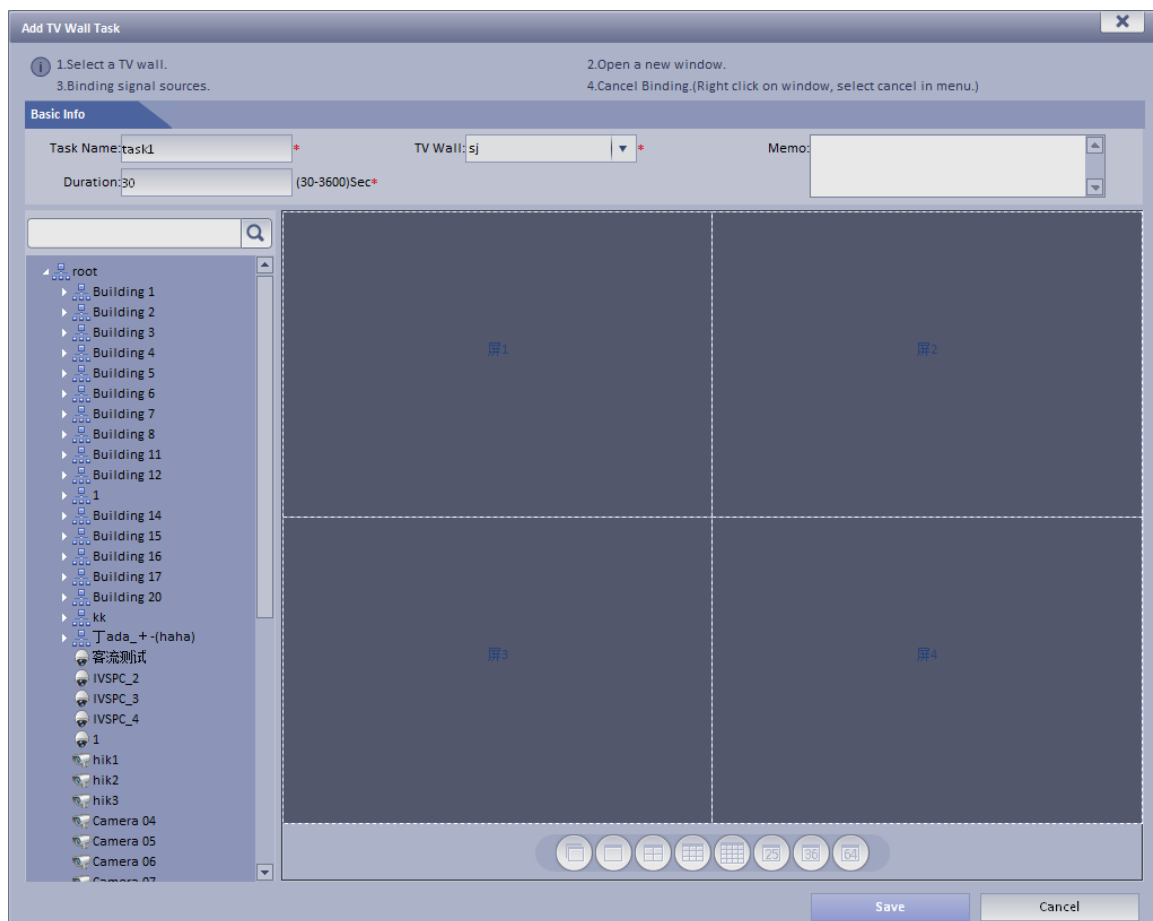



Figure 9- 8

Step 5. Click Save.

9.2.6 Alarm Scheme Config

Configure Alarm Scheme as follows:

Step 1. Click  Alarm Scheme.

Step 2. Click  Add. System pops up an Add Alarm Scheme box as in Figure 9- 9.

1 Alarm Time

2 Alarm Source and Operation

3 Alarm Preview

Scheme Name: *

Template: * + New

Enable ☒

Memo:

Template Details


Time	Corresponding Link Level	Corresponding Link Item

Next Cancel

Figure 9- 9

Step 3. Input Scheme Name, select template and check Enable.

Step 4. Click Next. System displays Alarm Source and Operation interface.

Step 5. Click . System displays Add Alarm Source and Link Operation 1 box, see Figure 9- 10.

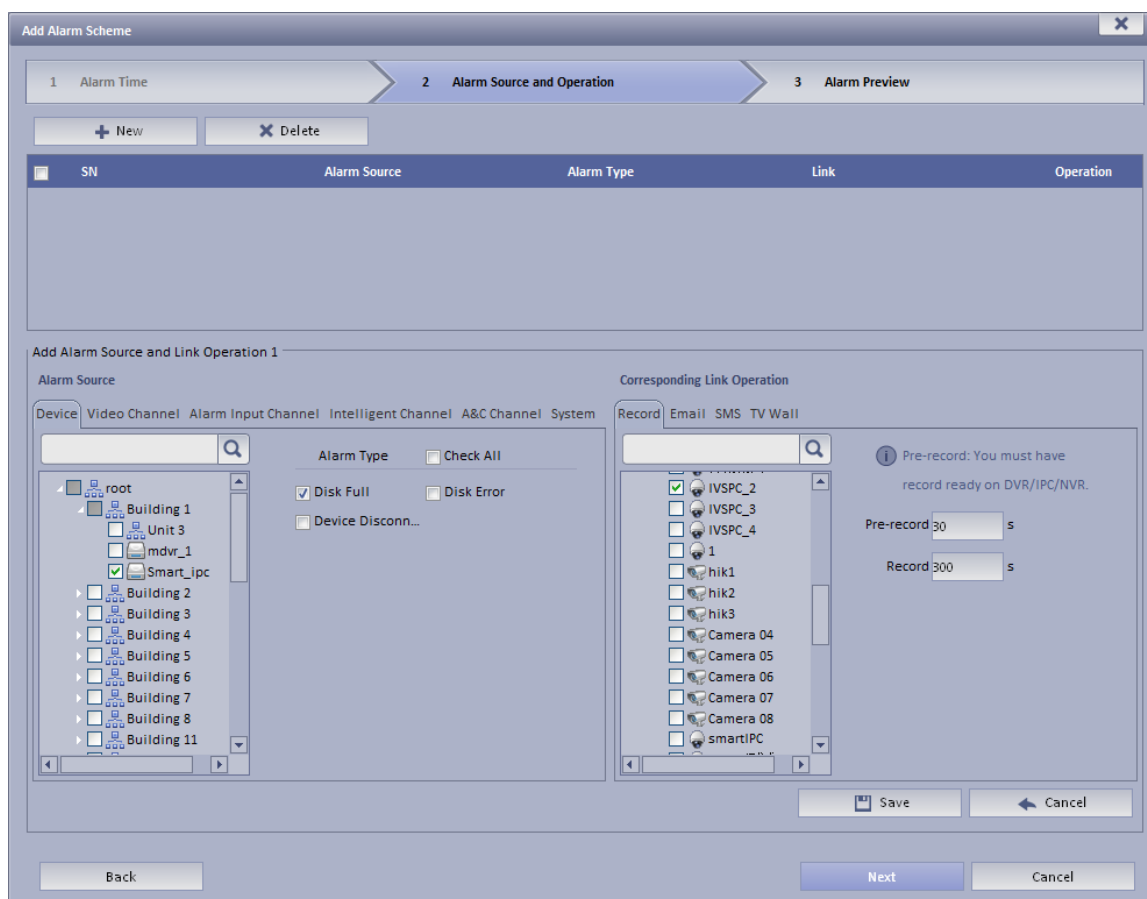


Figure 9- 10

Step 6. In Alarm Source area, select alarm source and its link operation. Alarm source includes device, video channel, alarm input channel, intelligent channel, A&C channel and system.


Different alarm source corresponds to different alarm type.

Step 7. In Corresponding Link Operation area, select link operation. Link operation includes Record, and TV Wall.

- For link operation, if you select record, you shall select video channel under Record tab, and set record time.

Note:

If you need pre-record, then select device record needed.

- For link operation, if you select email and sms, you shall select contacts for both. You can click  to all alarm contacts.
- When link level is video wall, you shall add alarm video wall task first, before selecting corresponding video wall in link level. Please refer to Ch 8.2.5.

Step 8. Click Save. System prompts a message “Successfully save scheme rule!”.

Step 9. Click OK.

Step 10. Click Next. System displays Alarm Preview interface as in Figure 9- 11.

Add Alarm Scheme

1 Alarm Time 2 Alarm Source and Operation 3 Alarm Preview

Scheme Name:123 Template:Level 1

Memo:

Template Details

Time	Corresponding Link Level	Corresponding Link Item
Alarm Time Begins From 2014-09-11 Thursday 17:00:13 to 2014-09-19 Friday 17:00:15	LEVEL 1	Record,Email,SMS,TV Wall

Alarm Source and Operation

SN	Alarm Source	Alarm Type	Link
1	111.10.15.1.25	Disk Full,Disk Error	Record

Link Info

Record | Email | SMS | TV Wall

Back Finish

Figure 9- 11

Step 11. Click Finish.

When alarm occurs, system performs link operation according to Alarm Scheme settings, and shows alarm info in Statistics>Device>Device Alarm Info.

9.3 DSS Client Alarm Scheme Config


Alarm scheme configured on Client is for user of this Client.

9.3.1 Alarm Scheme Config

You can refer to the following steps to set alarm scheme.

Step 1. Login DSS Client.



Step 2. Click  in Setup Manager area. System displays Alarm Scheme interface as in Figure 9- 12.

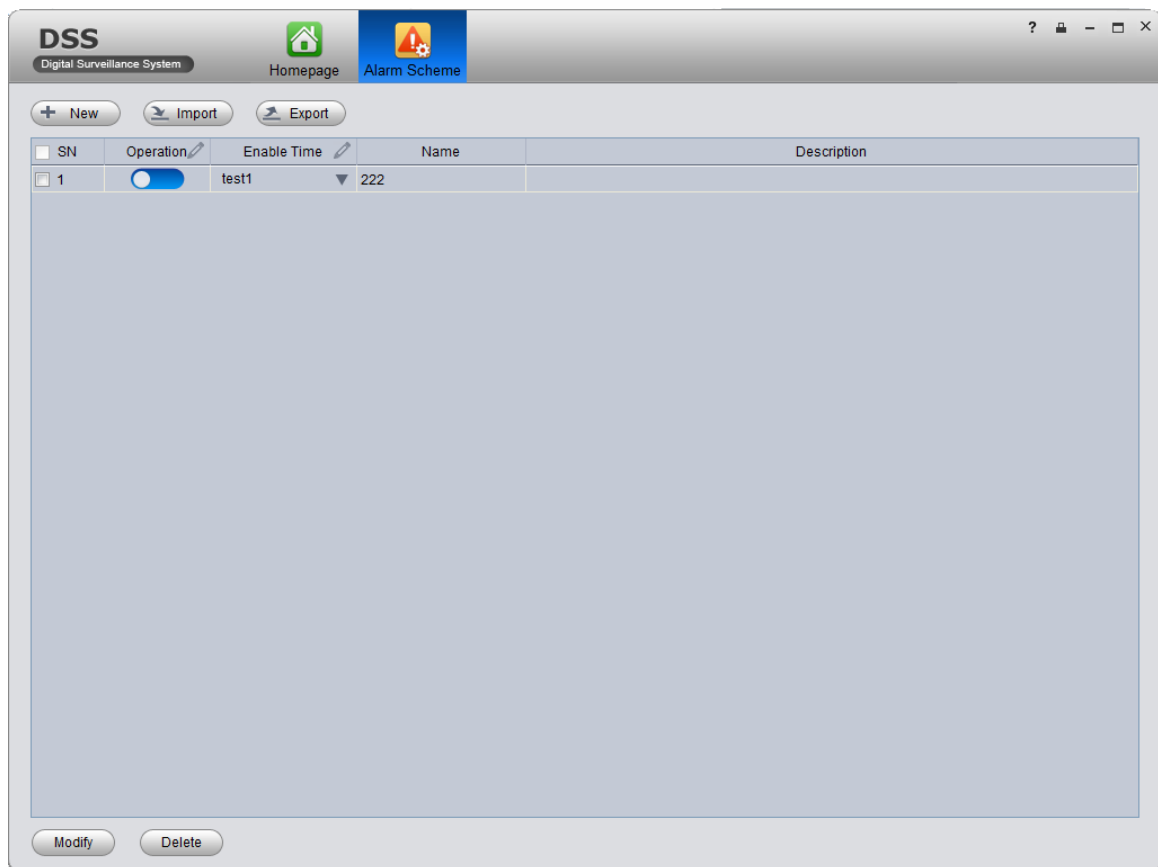



Figure 9- 12

Step 3. Set scheme info.

- Click . System displays Global interface.
- Input Scheme Name, Description, Time, Audio and Others as in Figure 9- 13.

DSS
Digital Surveillance System

Homepage Alarm Scheme

1 Global 2 Alarm Source 3 Link Video

Scheme Name:

Description:

Time: ☐ All-Day ☒ Periods (Two periods can not overlap and total 10 periods)

Start: End: Level:

Remaining Time Level:

Audio: ☒ Default Sound ☐ Custom Sound

Alarm Type: Audio Path:

Loop: (1-100 times)

☒ Cycle


Others: ☒ Map flashes when an alarm occurred

Figure 9- 13

Parameter	Note
Time	<p>Set period of arming, and select level. You can select:</p> <ul style="list-style-type: none"> All-Day: All day is arming period. Periods: Certain periods in a day are arming period. You can add period via <input type="button" value="+"/> and delete period via <input type="button" value="-"/>. <p>Note: Remaining Time Level represents periods not covered by arming.</p>
Audio	<p>Set audio of alarm. You can set:</p> <ul style="list-style-type: none"> Alarm Type: Select alarm type to set sound. Audio Path: Select path of audio file by click Browse. Loop: By selecting this cycle, alarm sound will be looped. Listen: You can listen to the selected sound. Resume: System can restore default setting of non-customizable alarm type.
Others	<p>If check Map flashed when an alarm occurred, then when alarm occurs, it will flash on E-map.</p>

Step 4. Set Alarm Source.

- Click Alarm Source or Next. System displays Alarm Source interface.
- Select channel on the left, and in Alarm Type area, select alarm type to be armed.

- c) Click . System will add alarm source to list on the right as in Figure 9- 14.

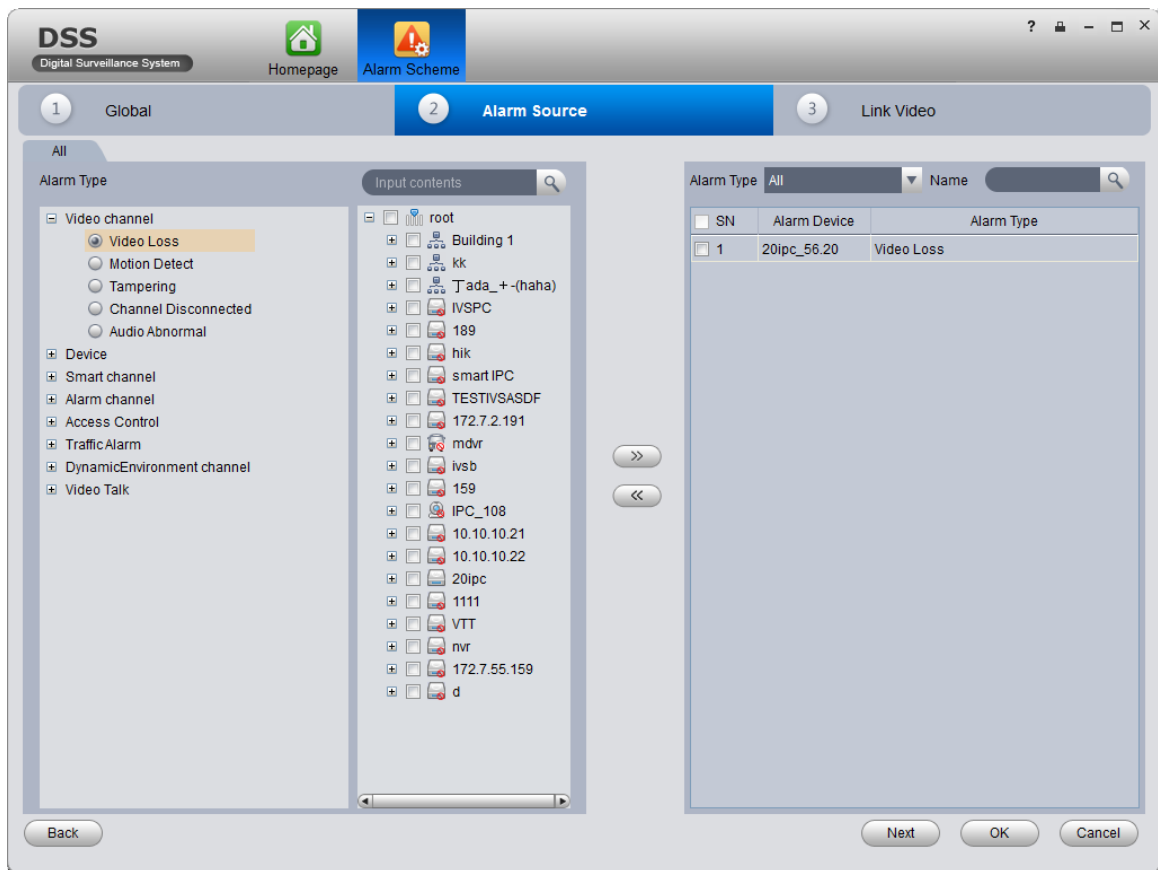





Figure 9- 14

Note:

- If you want to delete alarm source, you shall select alarm source on the right, and click  to remove.
- For alarm scheme, link video is not required, you can click OK to finish setup.

Step 5. Set Link Video

- Click  or Next. System displays Link Video interface.
- Select alarm source on the left.
- Select video channel under Link Video tab.
- Click  to add selected link video to area on the right as in Figure 9- 15.

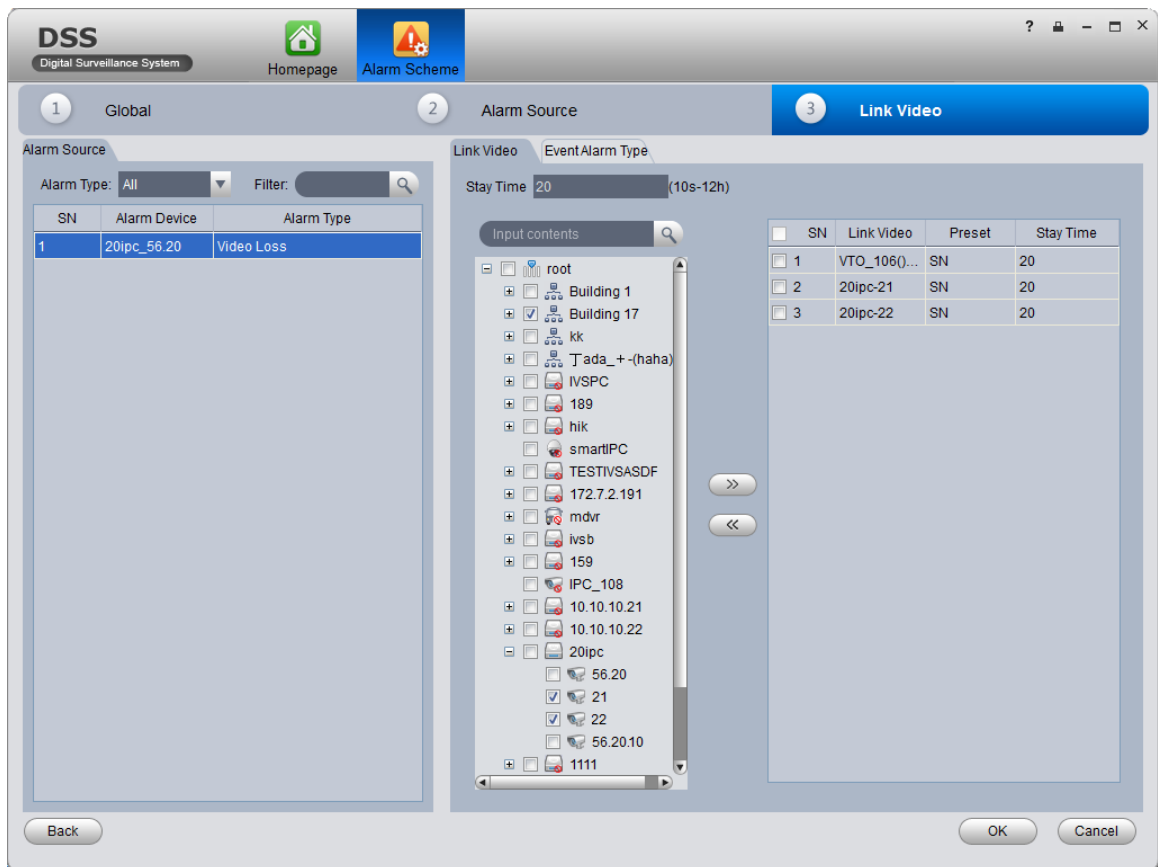




Figure 9- 15

Note:

- Double click Stay Time of added link video to edit its value.
 - If you want to delete added link video, you can select it and click .
 - e) Select alarm output device under Alarm Output tab.
 - f) Select whether Auto Enable Output Device or not, input stay time. In device channel list, select channel and click  to add alarm output.
- You also can check Auto Enable Output Device and edit stay time for added output items.
- g) Click OK. System displays added alarm scheme as in Figure 9- 16.

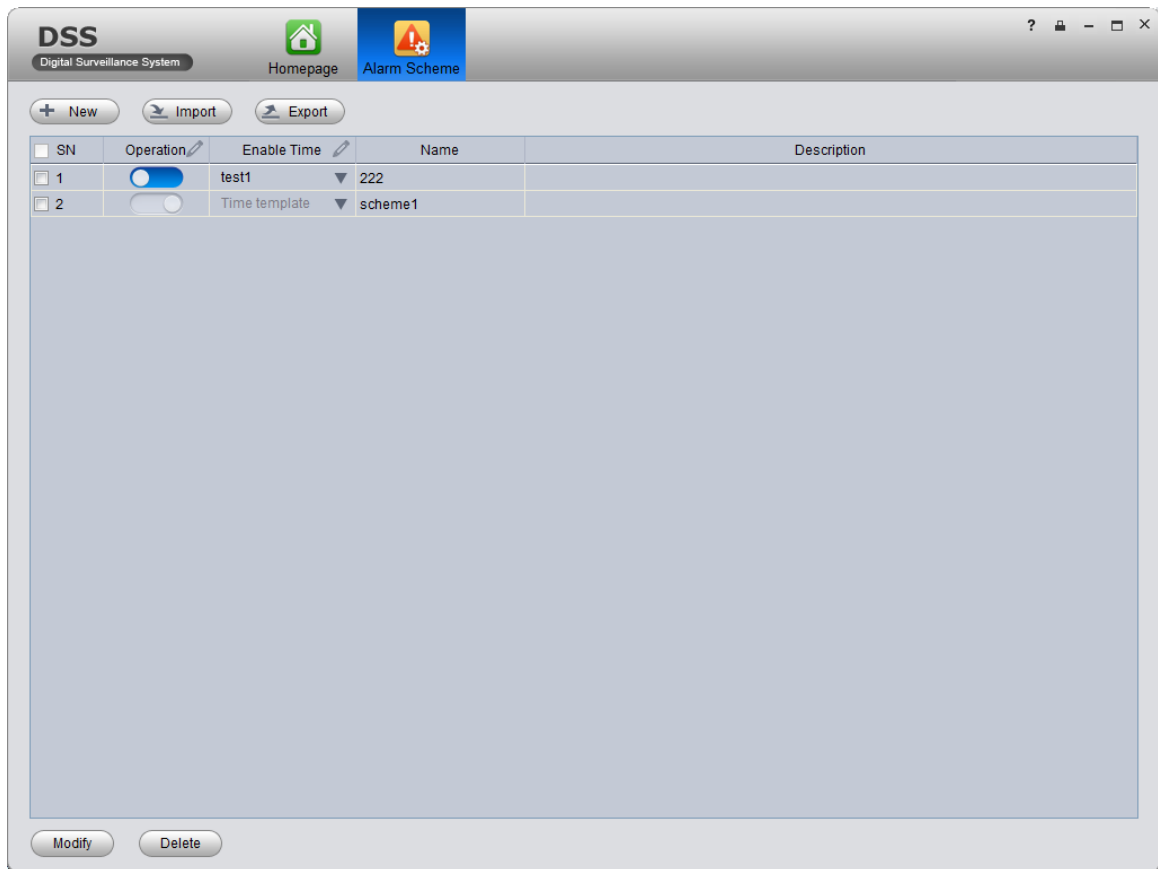





Figure 9- 16

- Click  in Operation column to enable alarm scheme.
- When you enable scheme, you need to click  in Enable Time column, select alarm time template, and if alarm occurs within this period, it will alarm. Alarm time template shall be set on DSS Manager Business>Alarm Config, see Ch 8.2.3.

9.4 Alarm Manager

If alarm scheme is configured, when alarm occurs, Alarm Manager displays corresponding alarm.



Step 1. In homepage, Click  in Basic area. System displays Alarm Manager interface as in Figure 9- 17.

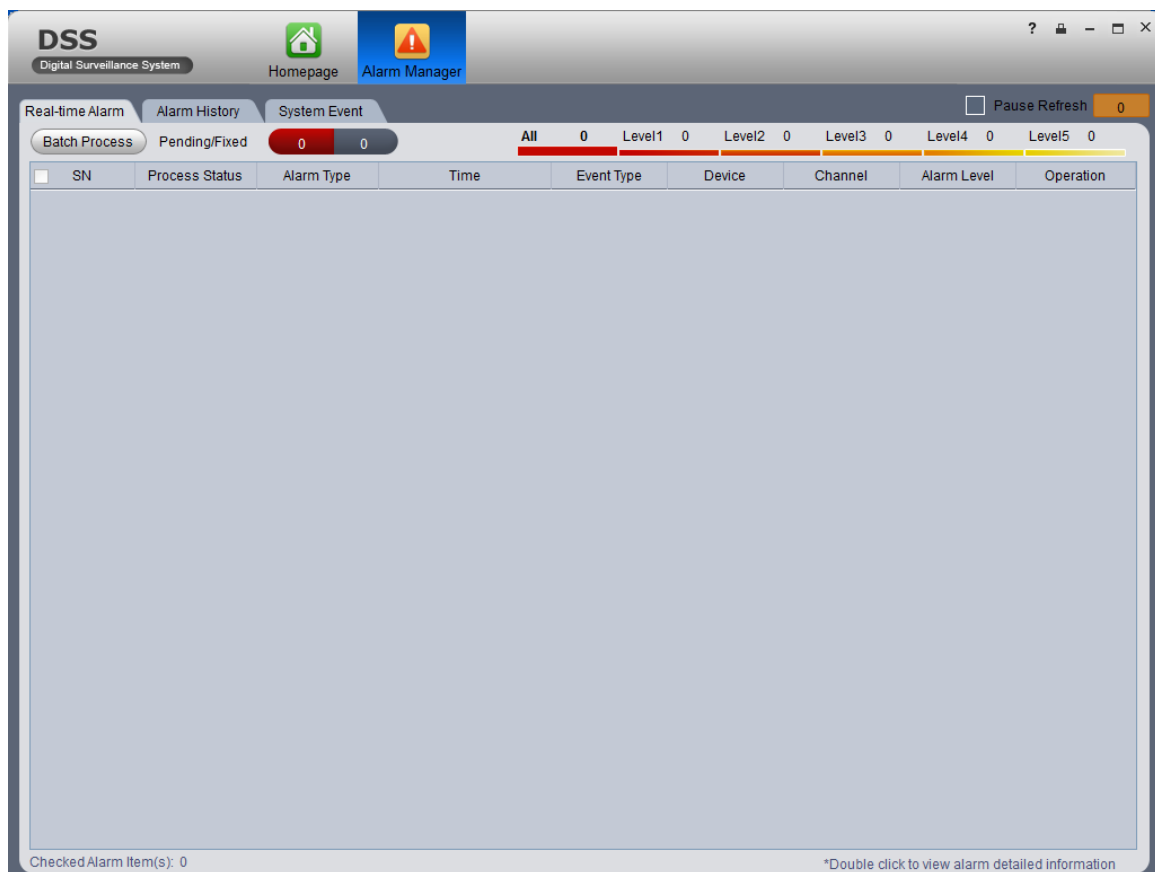




Figure 9- 17

Step 2. Select alarm info, double click alarm details.

Step 3. Select process, input Results and click OK.

- You can click  in  to quickly enter Alarm Manager interface.
- Click Alarm List tab, systems displays all alarms by level.
- Click Search List tab, select corresponding channel in list on the right, and select Alarm Type, Start Time and End Time. Click Search to search alarm records meeting above criteria.
- Click System Event tab, system shows all system alarms.

10TV Wall

DSS Platform supports video wall, and you must add decoder or matrix device on Manager and then configure TV wall before you can configure TV wall task and output to video wall on Client.

10.1 Add Decoder or Matrix Device

- Step 1. Login DSS Manager.
- Step 2. Select General>Device>Decoder.
- Step 3. Click Add. System pops up Add Decoder box, see Figure 10- 1.

Add Decoder

Input Info

Manufacturer:DAHUA

IP Address:

Device Port:37777

Username:admin

Password:*****

Org:root

Getting Info

Device Details

Device Name:

Device Type:NVD

Device SN:

Device Memo:

Decode Channel

Channel Amount:

Decode Mode:Pull

Support to Combine

OK

Cancel

Figure 10- 1

Parameter	Note
Device Type	Include NVD, SVDS, UDS.

Decode Mode	<p>Device decoding mode, include pull stream, direct and push stream.</p> <ul style="list-style-type: none"> • Pull: decoder gets stream via DSS series server. • Direct: decoder gets stream directly from device. • Push: DSS series platform push stream to decoder. <p>It is pull by default.</p> <p>Warning”</p> <p>If you want to output Hikvision device to wall, then you shall add decoder as NVD or add matrix as M60, select pull for decoding mode.</p>
Combine	If decoding supports to combine, check Support to Combine.

10.2 Config TV Wall on DSS Manager

Step 1. Select Business>TV Wall. System shows TV wall config interface.

Step 2. Click . System pops up Add TV wall interface, see Figure 10- 2.

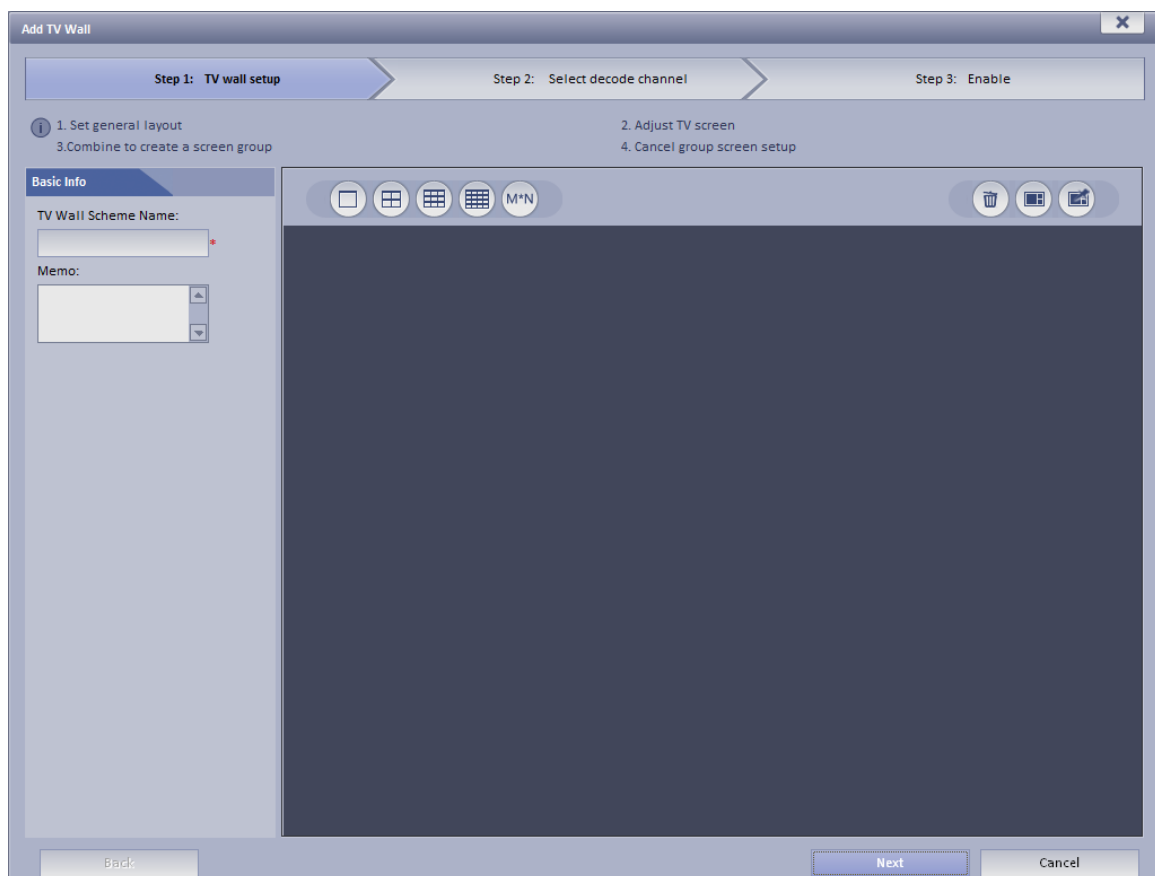


Figure 10- 2

Step 3. Enter TV wall scheme name, and click , select layout to be 1*1, 2*2, 3*3, or 4*4. See Figure 10- 3.

You also can click  to customize TV wall layout.

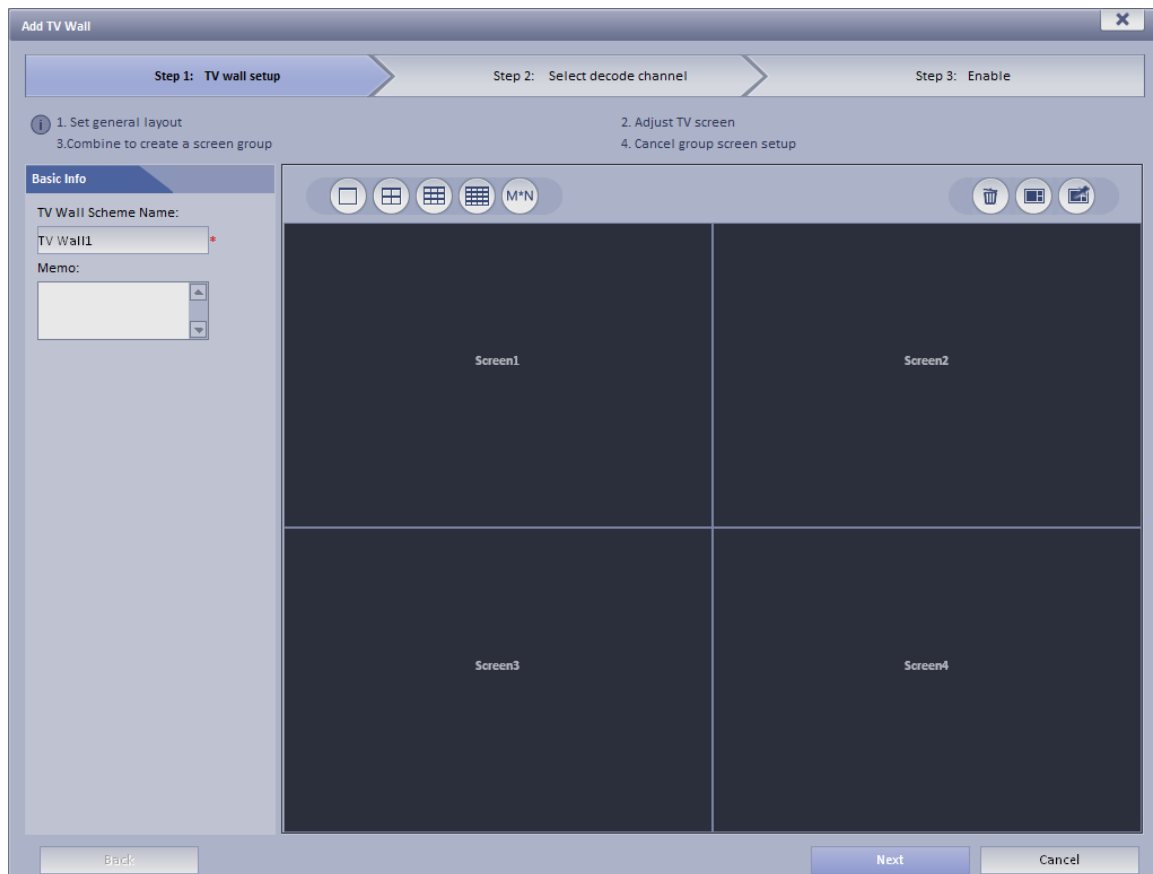




Figure 10- 3

Note:

- Press Ctrl and now you can select more than one screen. Click  on the right to combine selected screens. You can cancel combination by clicking on . Before you combine screens, you must add video wall equipment.
- Double click the screen or right-click and select Properties. In the pop-up box, you can set exact position, size and name of screen.
- Select a screen, and right click to delete or rename the screen.

Step 4. Click Next. System displays Select decode channel interface.

Step 5. In Device Tree, select decoder and drag it to corresponding TV wall. See Figure 10- 4.

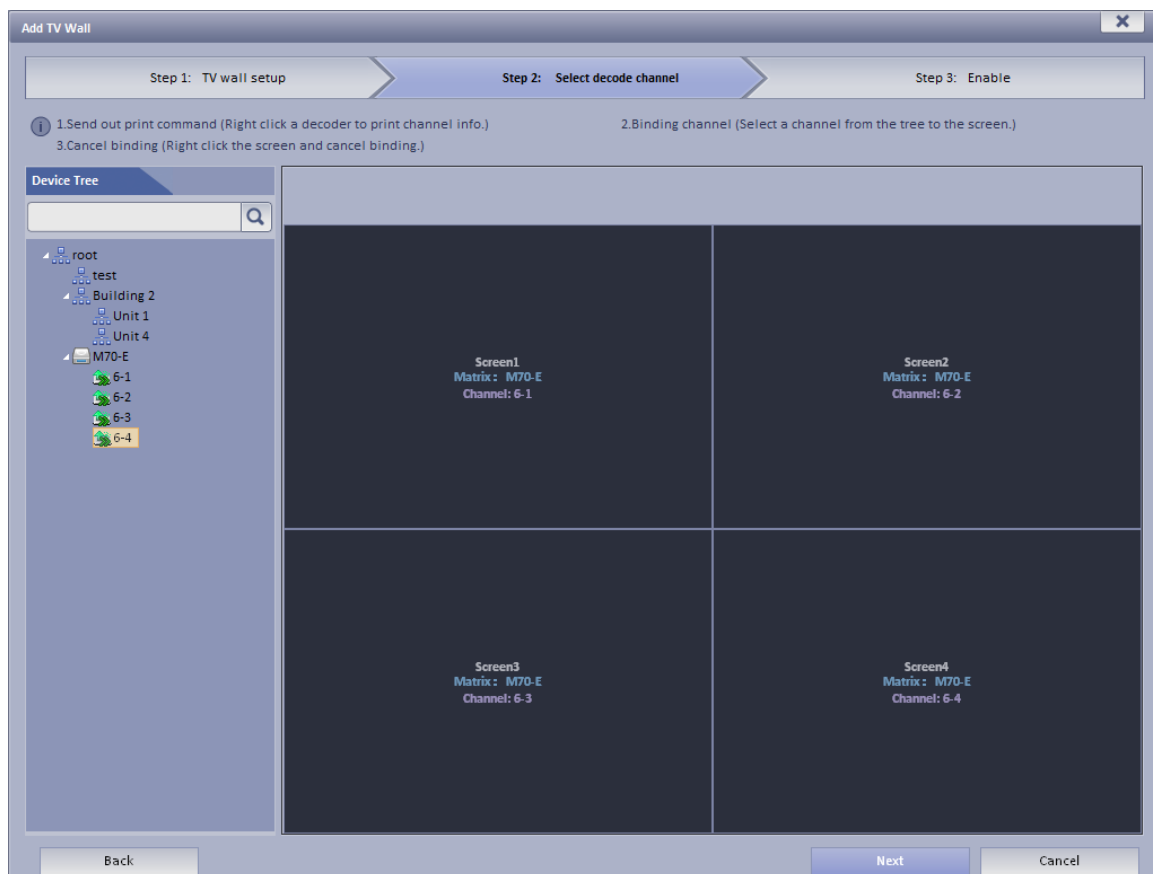


Figure 10- 4

Note: Right-click can cancel current binding and rename screen.

Step 6. Click Next. System displays Enable interface.

Step 7. Check Apply Now.


Note: If you do not check Apply Now, then you cannot select this TV wall on Client.

Step 8. Click Finish.

10.3 Config TV Wall Task on DSS Client

Via selecting TV wall schemes and bind video with TV wall to output video to wall.



Step 1. Click  in Basic area.

System displays TV Wall interface.



Step 2. Click  at the upper-left corner, select TV wall scheme.

Step 3. Drag channel on the right to corresponding screen of TV wall to bind.

See Figure 10- 5.

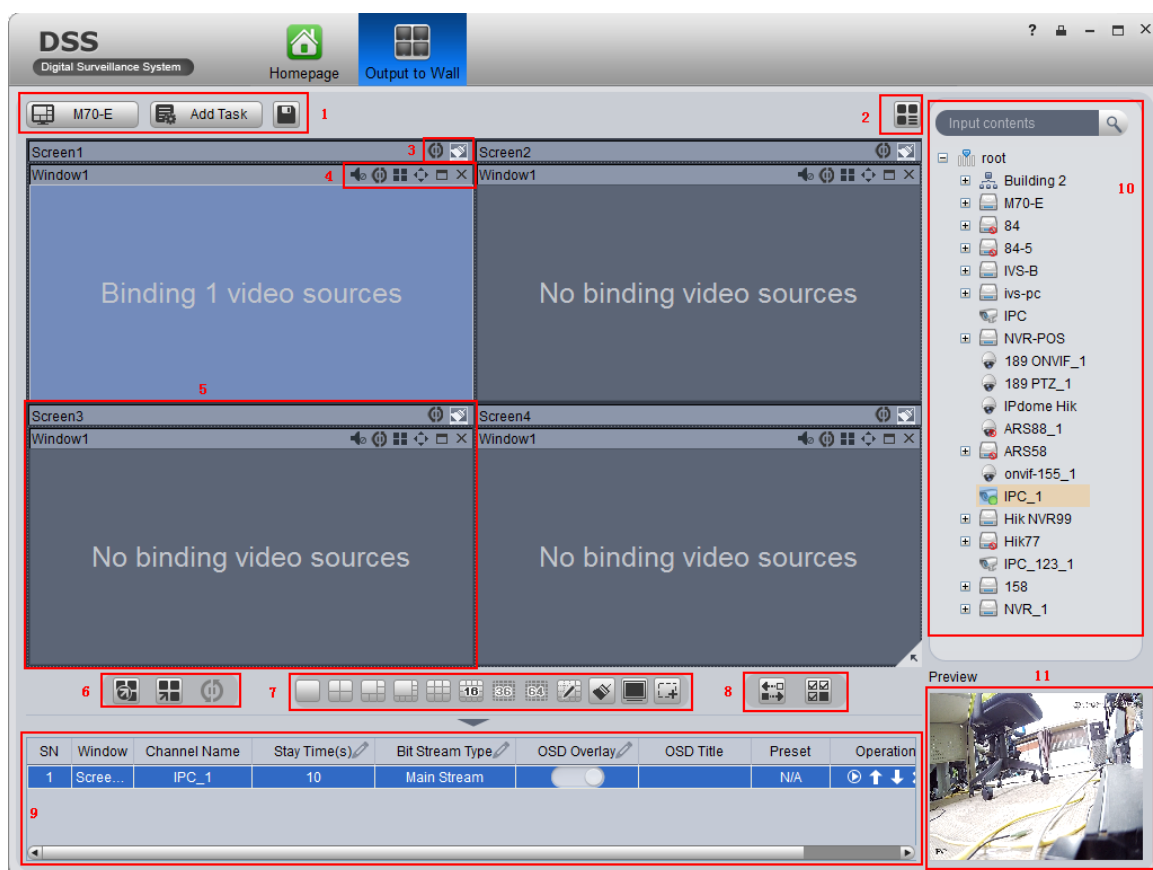

































Figure 10- 5

No.	Interface	Note
1	TV Wall Scheme	<ul style="list-style-type: none"> : click to search all TV wall schemes added on Manager-end. : click to search all added TV wall tasks. : Save task.
2	TV Wall Plan	<ul style="list-style-type: none"> : add schedule plan. : add tour plan.
3	Tour, clear	<ul style="list-style-type: none"> : enable/disable the window tour. : clear.

4	Video Window Operation Buttons	<p>You can create independent video window on free drawing box as freely open window.</p> <ul style="list-style-type: none"> • : audio. Multiple audio is ON, one audio will not replace its previous audio, it support mixed audio. • : paste. Click , physical is pasted to related windows. When paste physical screen, support to open window by rule. • : start/stop tour. • : open four windows on the video window. • : maximize window. • : close video window.
5	Video Window	—
6	Output to wall, Tour	<ul style="list-style-type: none"> • : instant output to wall, when complete this task, system auto output to wall. • : click to output to wall. • : enable/disable tour plan.
7	Split	<ul style="list-style-type: none"> • : screen split, may split 1~64 screens. • : customize screen split. • : clear. • : screen ON/OFF. • :

8	Operation	<ul style="list-style-type: none"> ●  : one-key switch. Window video bit stream type switch, as main stream, sub stream and preview stream. Window video source four time interval setup. <p>Preview stream is non-compression signal on wall, as raw data output to wall.</p> <ul style="list-style-type: none"> ●  : multi-selection buttons. <p>Click multiple window or pane multiple windows, click , may select multiple video windows at the same time.</p>
9	Operation	<p>Screen, window, channel binding info</p> <ul style="list-style-type: none"> ● Click , you can view if it is the channel you want at the lower-right "preview". ● Click ,  to adjust order. ● Click , to delete added window signal source.
10	Channel List	—
11	Video Preview Window	Double click video channel, auto add to window. In channel binding info bar, click  , to preview video.

Step 4. Click .

Step 5. Input Task Name, click OK.

Step 6. Click  to complete.

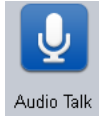
You also can customize TV wall plan to output video to wall. Please refer to Ch 4.3.2.

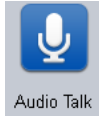
11 Audio Intercom

Via audio talk, you can talk to front-end device and broadcast.

11.1 Audio Talk

Audio talk allows Client to talk to a single front-end device.



Step 1. Click  in Basic area. System displays broadcast interface, see Figure 11- 1.

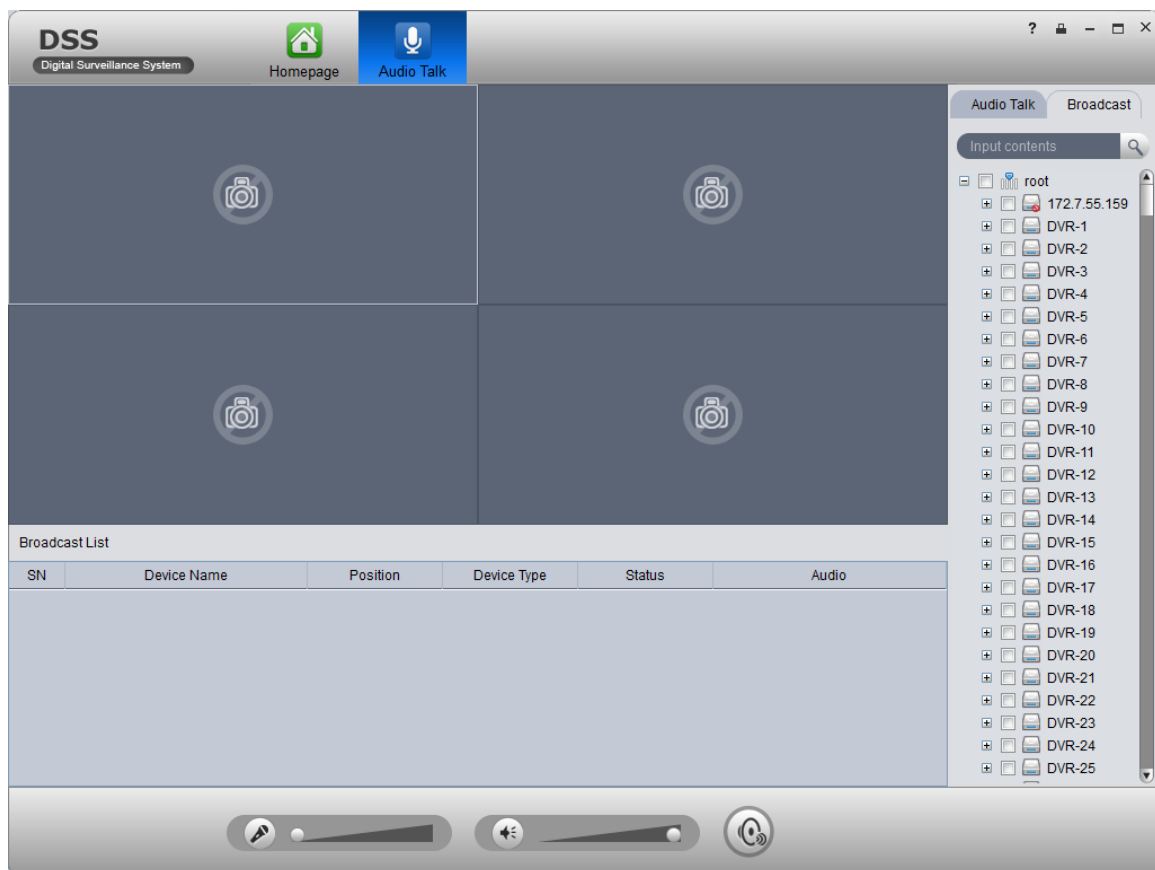


Figure 11- 1


Step 2. Click Audio Talk tab in the upper-right. System shows Audio Talk interface.

Step 3. Select a device to talk.

Note:

Audio talk is valid to device only, not to channel.



Step 4. Click . System shows interface as in Figure 11- 2.

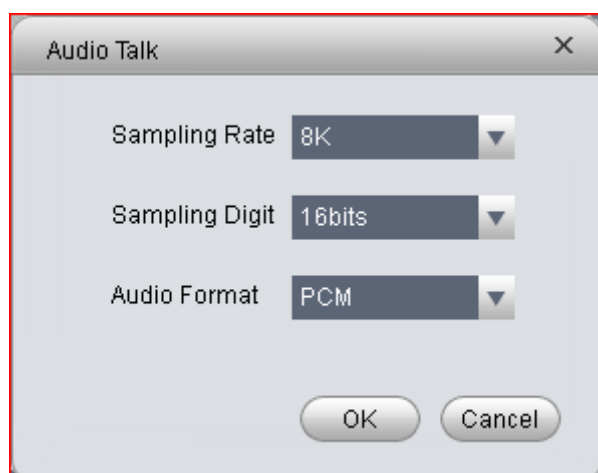


Figure 11- 2

Step 5. Set Sampling Rate, Sampling Digit, and Audio Format, click OK. If config match device, system will inform you that audio talk is successfully enabled, see Figure 11- 3.



Figure 11- 3

Note:

If config do not match device, system will inform you that failed to enable audio talk, and show recommended parameter. You can config based on the recommended parameter.


During audio talk, click  to end audio talk.

11.2 Broadcast

Broadcast allows the Client to broadcast with multiple front-end devices.

Step 1. Click Broadcast tab in Audio Talk interface. System shows Broadcast interface.

Step 2. Select multiple devices on the right. The selected devices will be displayed in broadcast list.

Step 3. Click . System displays Broadcast setup interface, see Figure 11- 4.

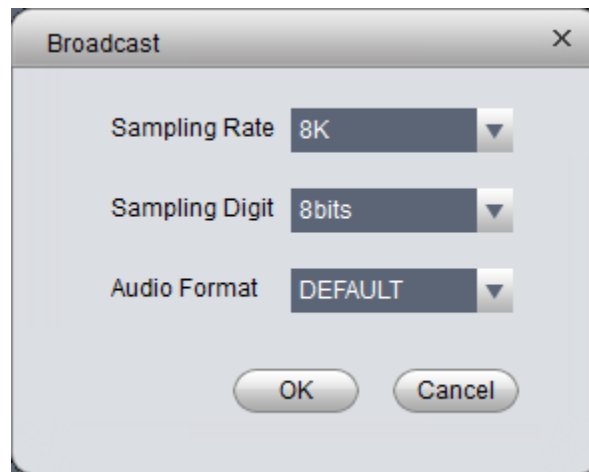


Figure 11- 4

Step 4. Set Sampling Rate, Sampling Digit and Audio Format.

Step 5. Click OK.

If config match device, then you enable broadcast successfully and device in list will show enable status, see Figure 11- 5.

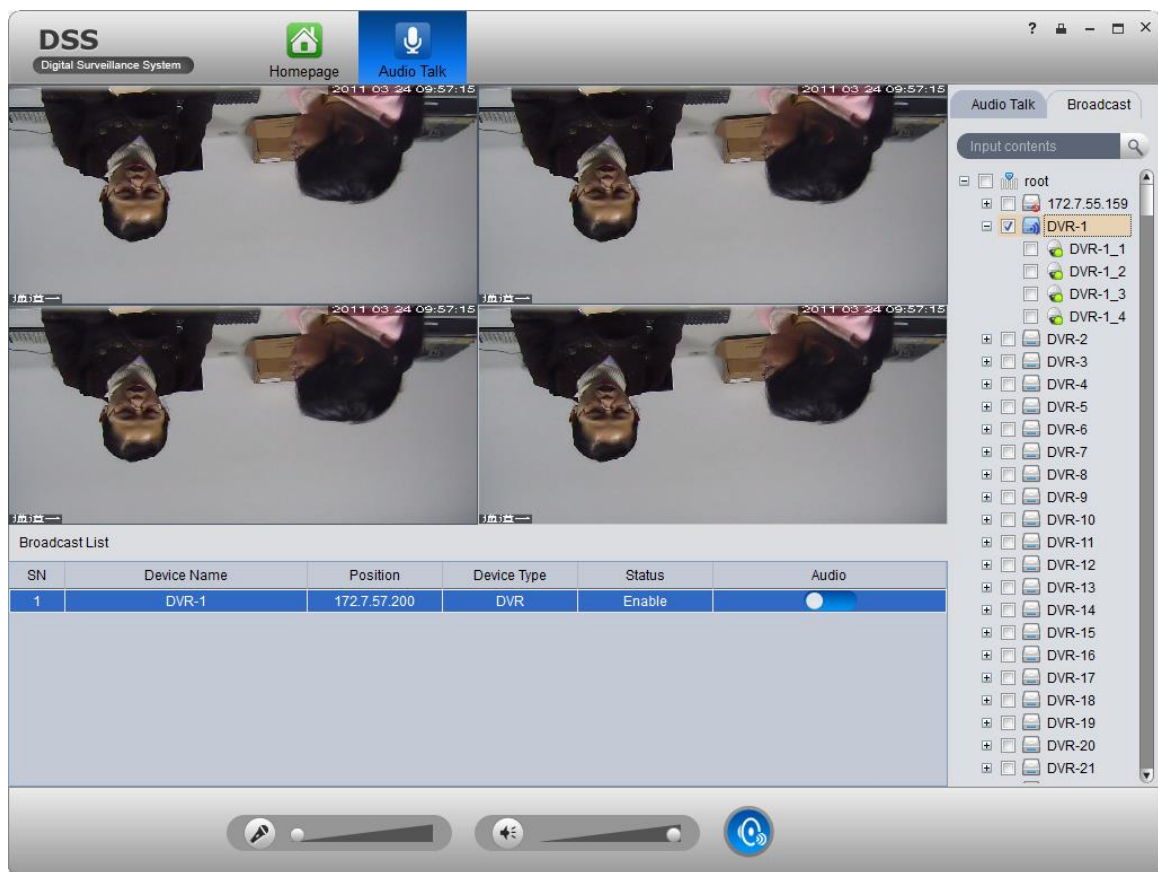



Figure 11- 5

During broadcast stats, click  to end broadcast.

12 Video Intercom

Video intercom supports call, remotely unlock, send message, alarm search and etc.

12.1 Config Device

12.1.1 VTO Setup

Step 1. Login VTO web.

Step 2. Select Network>SIP Server.

Step 3. Configure platform address, port is 5080, see Figure 12- 1.

IP VDP Door Station Web Server V1.0

System Config

- > Local Config
- > LAN Config
- > Network Config
- > Video Set
- > User Manager

Info Search

Logout

TCP/IP FTP Config SIP Server Config Port Config

IP Address 172.7.57.251

Port 5080 (1~65535)

Username 8001

Password

SIP Realm VDP

☐ SIP Server Enable

Warning: The device needs reboot after modifying the SIP server enable.

Default Refresh OK

Figure 12- 1

Step 4. Select Network Config.

Step 5. Set building/unit no. and call number, see Figure 12- 2.

IP VDP Door Station Web Server V1.0

System Config

- > Local Config
- > **LAN Config**
- > Network Config
- > Video Set
- > User Manager

Info Search

Logout

LAN Config

Building No.

Building Unit No.

VTO No.

Support Building ☒ Turn on ☐ Turn off

Support Unit ☒ Turn on ☐ Turn off

Warning: The device needs reboot after modifying the config above.

Figure 12- 2

Step 6. Select Local Config>A&C Manager.

Step 7. Set unlock password and duress password, check to enable button.

Step 8. Set auto snapshot, select Turn On, and when you swipe card at VTO, client will receive the snapshot picture, see Figure 12- 3.

IP VDP Door Station Web Server V1.0

System Config

- > Local Config
- > LAN Config
- > Network Config
- > Video Set
- > User Manager

Info Search

Logout

Local Config **A&C Manager** **Talk Manager** **System Time** **Config Manager**

Unlock Responding Interval

Unlock Period

Door Sensor Check Time ☒ Check Door Sensor Signal Before Lock

Open Door Command

Lift Control Protocol ☐ Lift Control Enable

New Unlock Password ☒

New Unlock Password Confirm

New Menace Password ☒

New Menace Password Confirm

Auto Snapshot ☒ Turn on ☐ Turn off

Figure 12- 3

If you complete this operation on DSS, you can see device platform connection status on VTH device's homepage as online/offline. (Just enter VTO IP, config VTO name)

12.1.2 VTH Setup

Step 1. Login VTH and go to Settings>Project Settings.

Step 2. In Local Config, config VTH room no. and network address, see Figure 12- 4.



Figure 12- 4

Step 3. In SIP server config platform address and port (50800, and enable. You cannot modify other info, see Figure 12- 5.

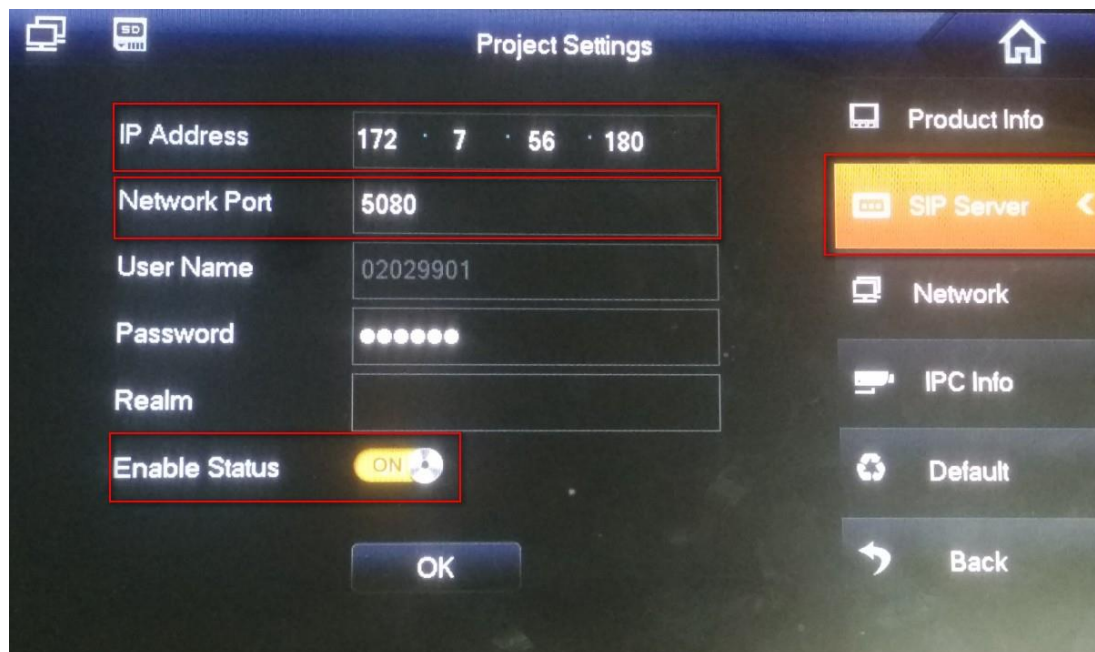


Figure 12- 5

Step 4. In Network, configure corresponding VTO address, and enable, see Figure 12- 6.

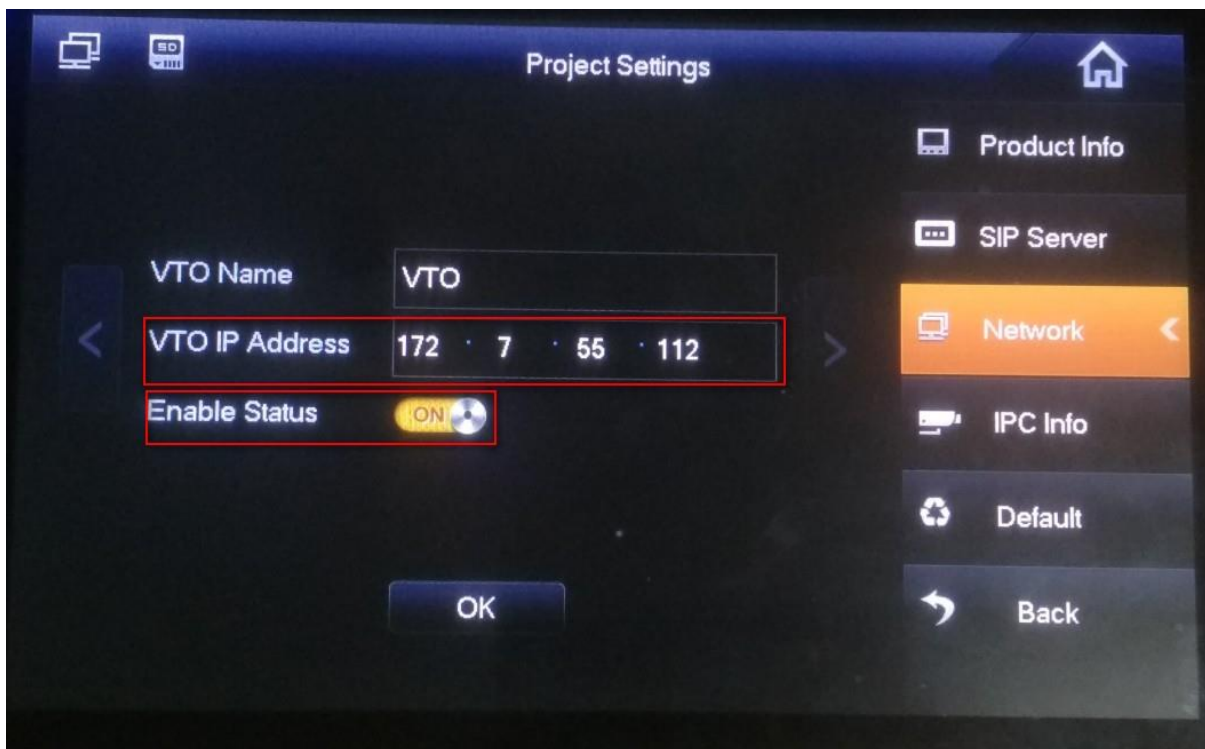


Figure 12- 6

Step 5. Set status check. When you complete basic config info, in VTO homepage, view device config stausts. If there is no “X” shown, the config is normal. See Figure 12- 7.

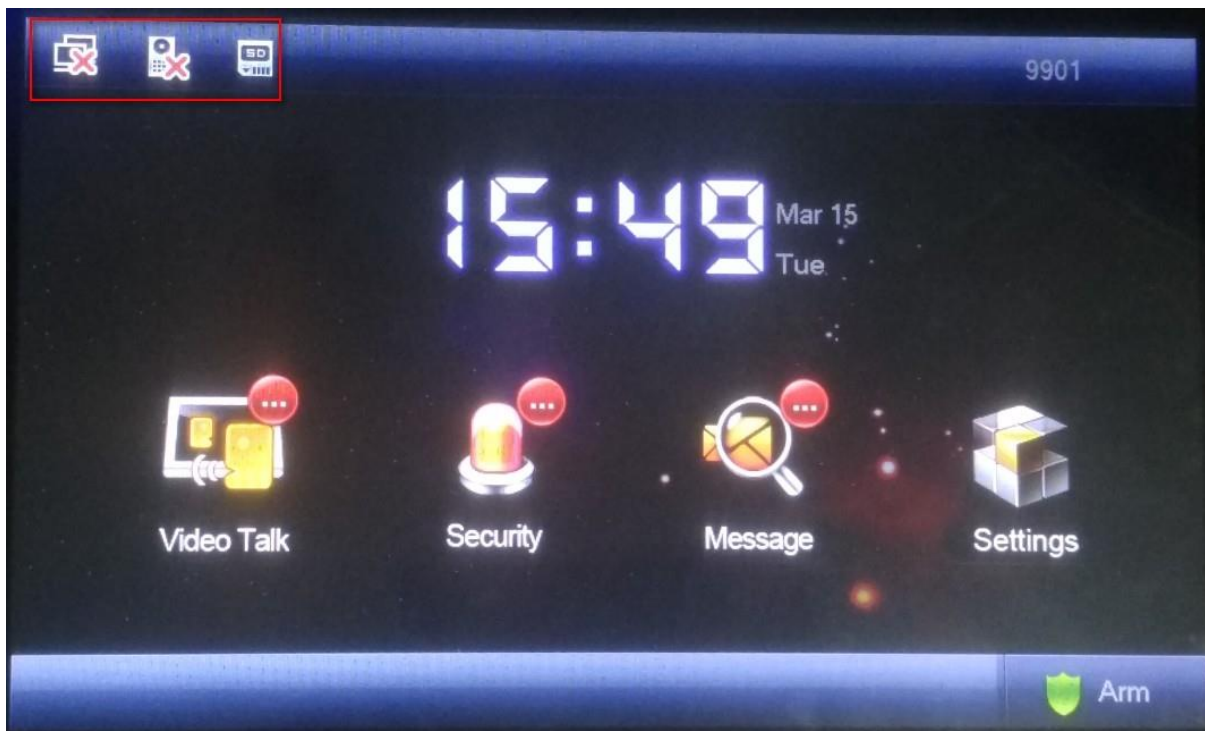


Figure 12- 7

Note:

The first picture represents VTH connection status, and the second picture represents VTH registration status on VTO. “X” means that registration failed. (After you configure VTH, reboot the device, and it will be linked to platform according to VTO.)

a) VTH zone setup

On VTH, click Security>Zone Status, configure zone info of each channel (zone config login password is 123456.), and you can switch NO/NC status to trigger alarm; in alarm record, you can view alarm record of each zone.

b) VTH DND mode

On VTH, click User Settings>DND configure DND time, see Figure 12- 8.

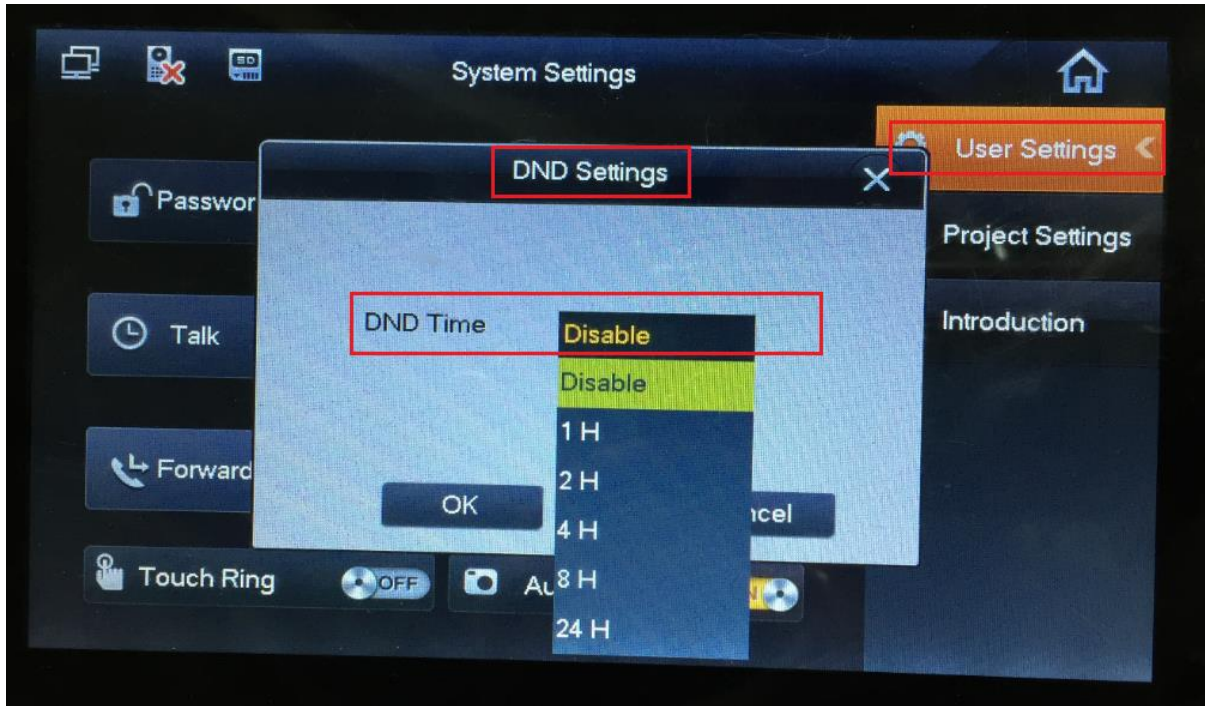


Figure 12- 8

12.2 Add Device on DSS Manager

Step 1. Login DSS Manager.

Step 2. Select General>Device>Video Talk.

Step 3. Click Add. System pops up Add Video Talk Device box, see Figure 12- 9.

Add Video Talk Device

Manufacturer: DAHUA ▼

Add Type: IP Address ▼

IP Address: *

Device Port: 37777 *

Username: admin *

Password: ***** *

Device Name: *

Org: root *

Video Server: Center Server ▼ *

Add Cancel

Figure 12- 9

Step 4. Configure VTO info parameter, click Add. You only need to add VTO since VTH will be auto linked to platform via VTO.

12.3 Video Intercom Function on DSS Client

12.3.1 Video Talk

After you have added VTO and VTH, on DSS Client, go to Video Talk, and see the device tree on the left in the interface. Building no., unit no. reported by each device will auto generate device organization tree.

Step 1. Login DSS Client.



Step 2. Select in Basic area. System shows Video Talk interface, see Figure 12- 10.

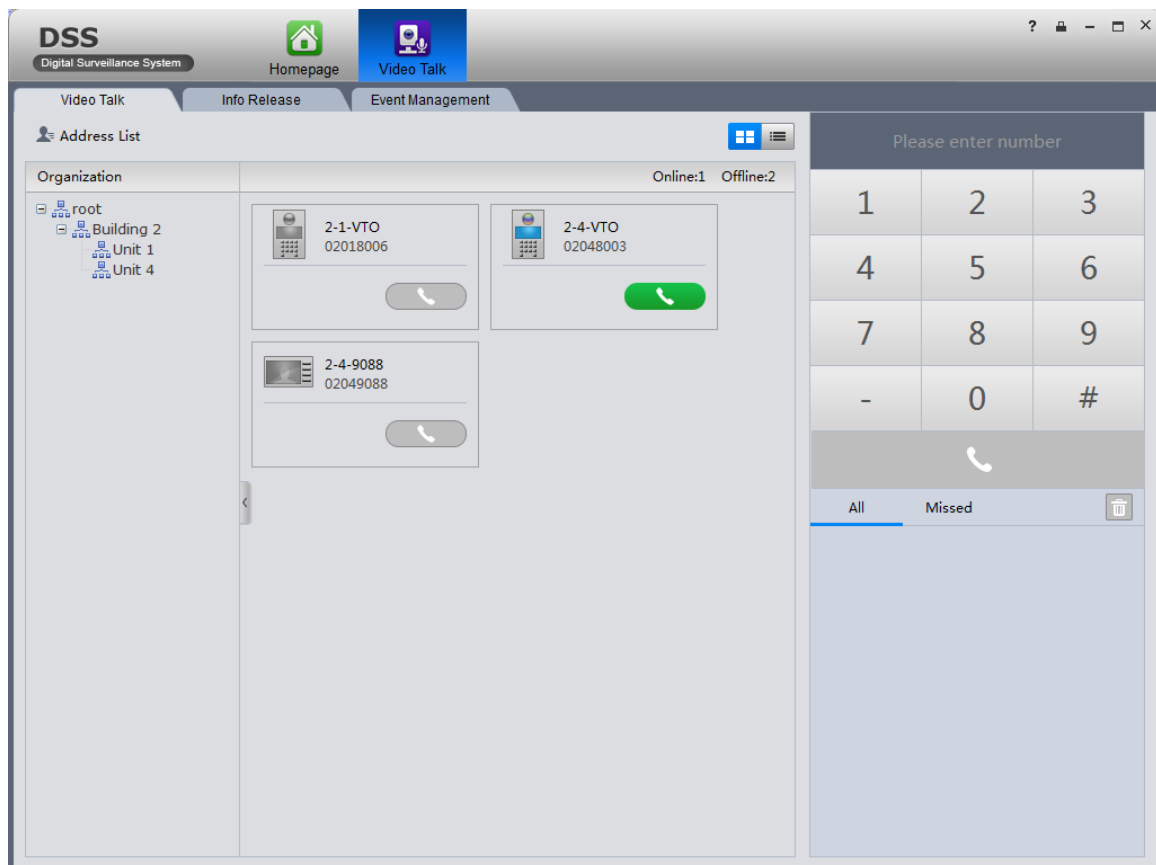


Figure 12- 10

According to building no., unit no., and other VTHs reported by the device, it will auto generate contacts.

- If a user wants to call a unit VTO via client.




Click  on VTO.

Call is one-way from clien to VTO only.

System pops up a box, see Figure 12- 11.



Figure 12- 11

- 1). Click .
 - 2). System pops up confirmatio box, click OK.
You can unlock remotely.
 - 3). Click  to stop call.
Call box will not be closed.
- If a user wants to call a specific VTH from client.
 - 1). Click  on VTH.
Call is bidirectional between client and VTH.
System pops up a calling box, see Figure 12- 12.

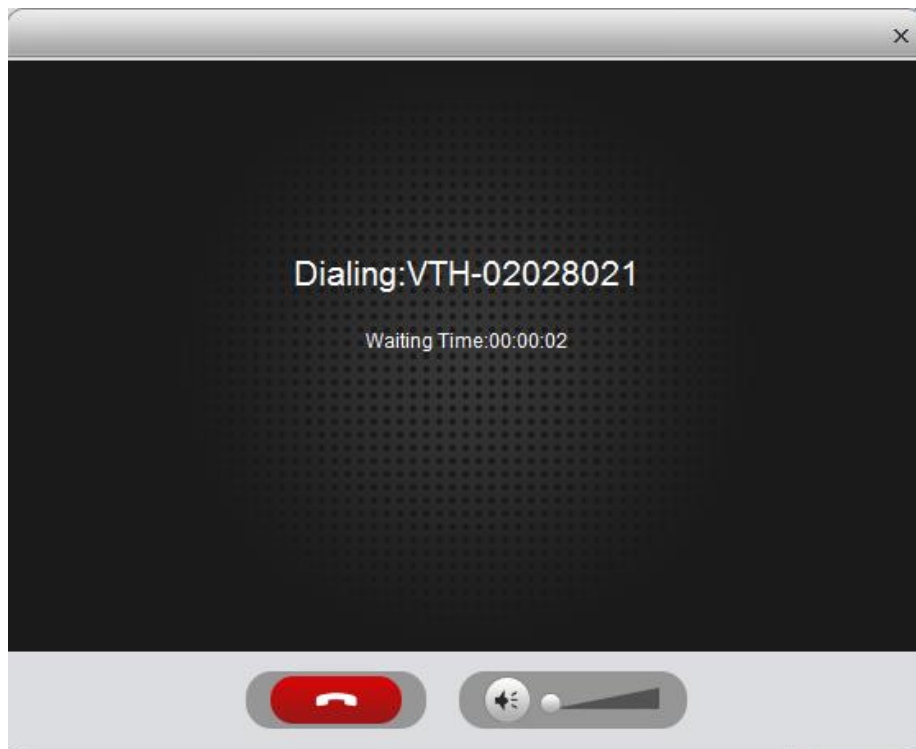


Figure 12- 12

- 2). When VTH accepts call, the user can start a bidirectional talk.
See Figure 12- 13.

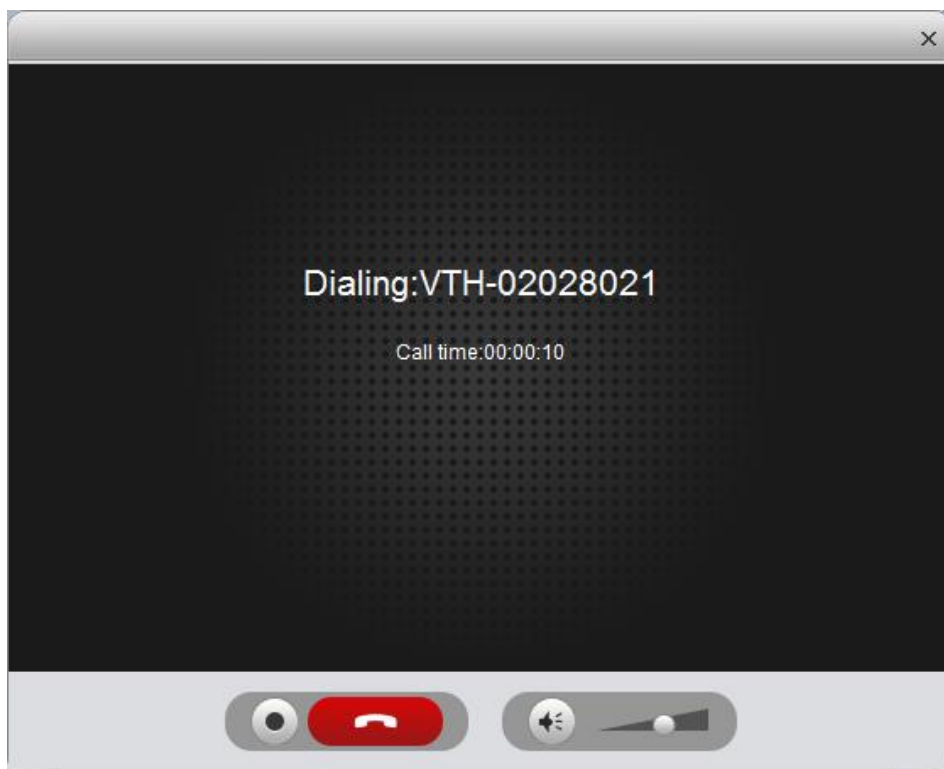



Figure 12- 13

- VTH does not accept call in 60s, then client will prompt user and ask if he/she wants to redial. The user may click  again to redial.

- If the VTH being called is busy, client will prompt user to call again later.
- If the VTO is calling the client.
Client pops up VTO calling box, see Figure 12- 14.



Figure 12- 14

You can click , to accept VTO call, and start a bidirectional talk.

Also you can click  to unlock.

- If the VTH is calling the Client.
Client pops up VTH call box, see Figure 12- 15.

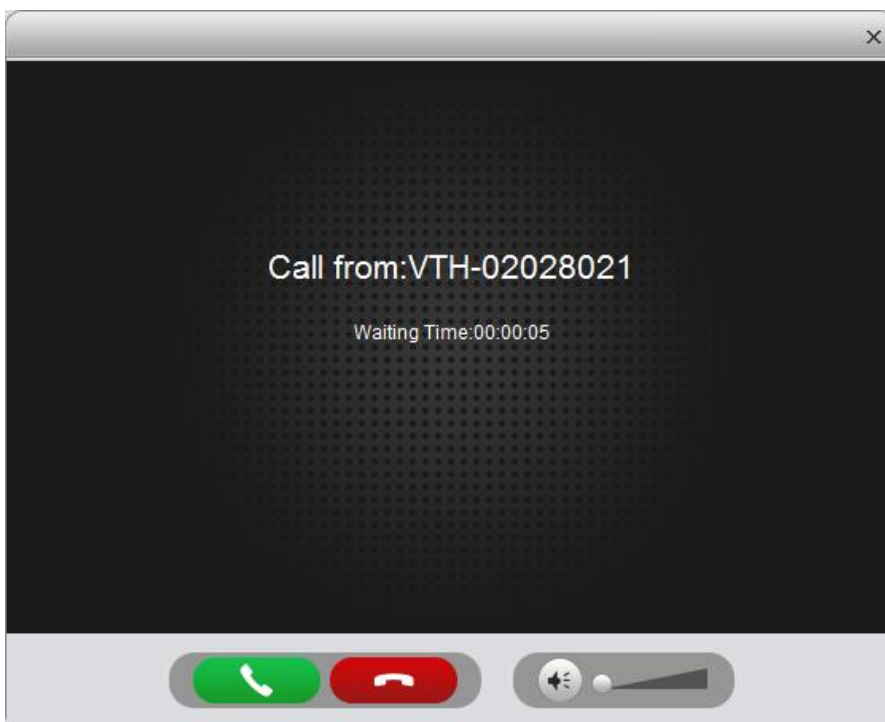


Figure 12- 15

You can click  to talk with VTH.

If there is missing call, you can click missing call shown in red Call Record at the lower-right corner in Talk interface, see Figure 12- 16.

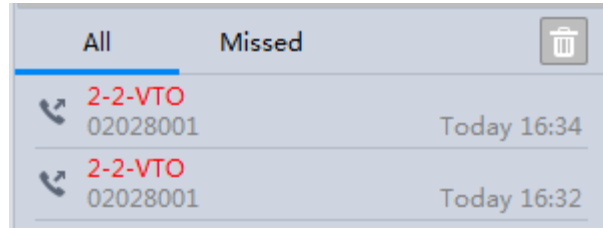

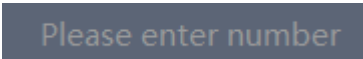



Figure 12- 16

Click , you can call back.

You also can view ALL of call records.

On the right, there are , here enter call number to fuzzy search.



In  on the right, you also can directly dial VTO to call VTH either one-way or bidirectionally.

12.3.2 Send Message

In Message Publish interface, you can add announcement or notice, which can be sent to each VTH and users can view them on VTH.

12.3.3 Event Search

In Event Search interface, you can search for alarm event and unlock type. You also can learn about time of alarm, device location when alarm occurs, plus alarm status.

13 IVS Analysis

The system currently supports people statistical information and heat map.

13.1 Add Smart IPC Device

Before using this statistical function, you must add SmartIPC device on DSS Manager.

Step 1. Login DSS Manager.

Step 2. Select General>Device>Encoder.

Step 3. Click Add. System pops up Add Encoder box.

Step 4. Configure parameter info, select Smart IPC for device type, check People Count box.

See Figure 13- 1.

Add Encoder

Input Info

Add Type: IP Address Manufacturer: DAHUA

Video Server: Center Server Username: admin

IP Address: Password:

Device Port: 37777 Org: root

Getting Info

Device Details

Device Name: Device SN: Device Type: Smart IPC Device Memo:

Video Channel Alarm Input Channel Alarm Output Channel

Channel Amount: 1 Bit Stream: Sub Stream Device Gateway

☒ Enable ALL

☒ 1 Name: 1 Function: Camera Type: Speed Dome SN:

☒ People Count

OK Cancel

Figure 13- 1

Step 5. Click OK.

13.2 People Statistical Report

Step 1. Login DSS Client.



Step 2. Click in Extension area.

Step 3. On the left, select device channel, configure alarm type, statistical time, click Search.

See Figure 13- 2.

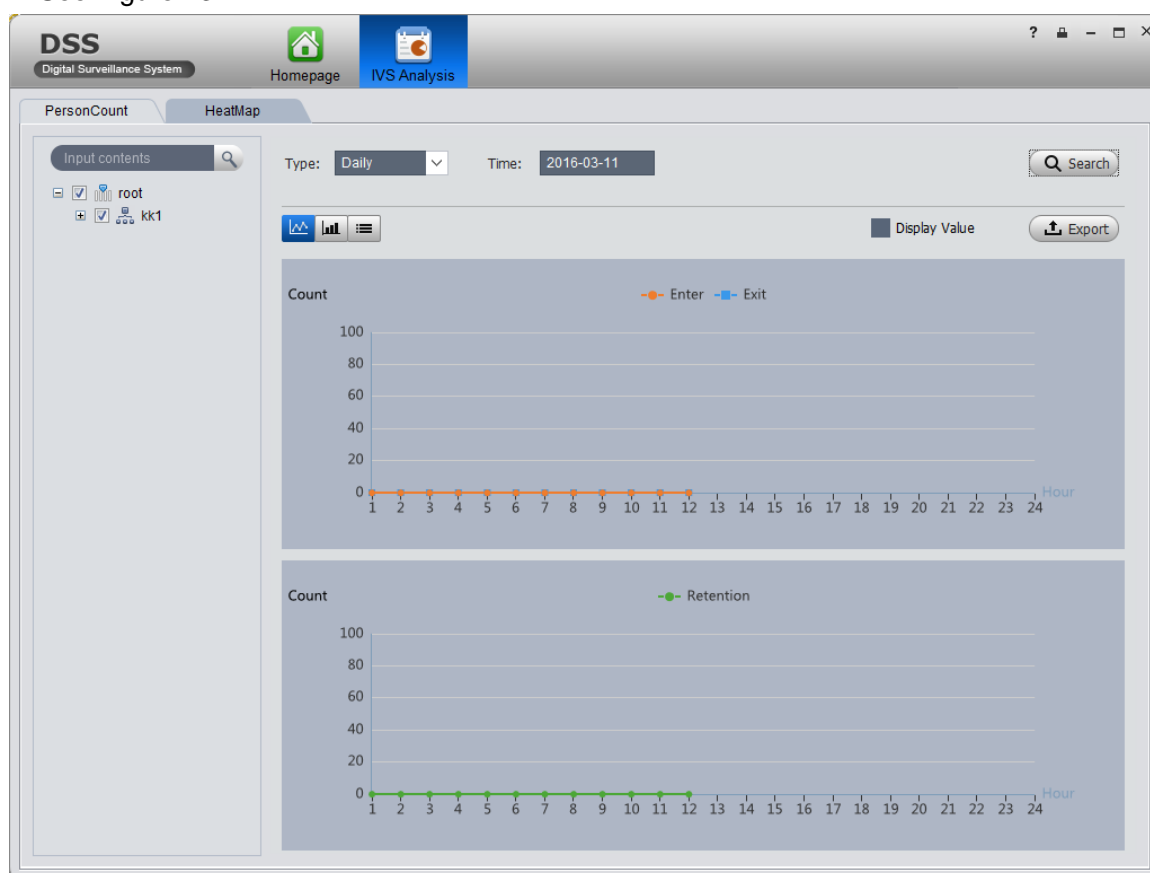


Figure 13- 2

Step 4. Click “HeatMap”. See Figure 13- 3.

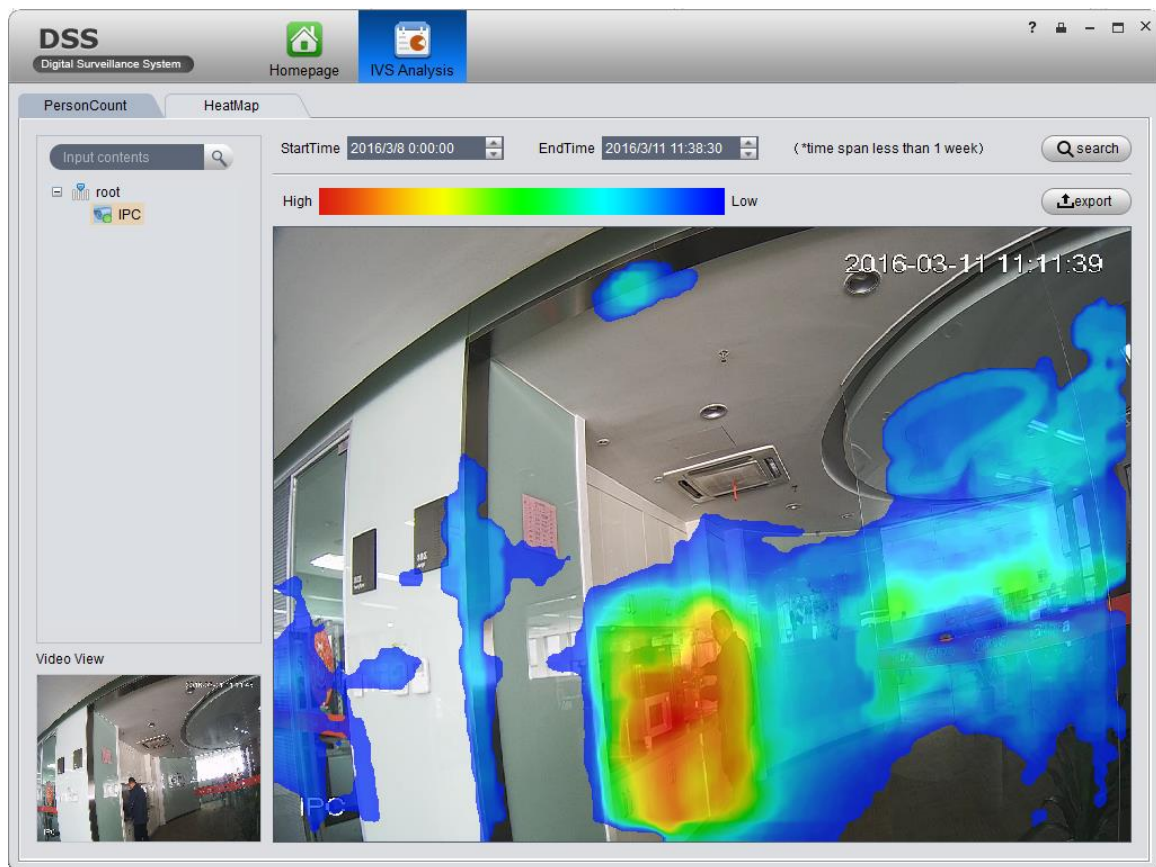


Figure 13- 3

14 Access Control

Access control function supports to unlock door, process alarm information and bind video.

14.1 DSS Manager Device

14.1.1 Add A&C Device

Step 1. Login DSS Manager.

Step 2. Select General>Device>Access Control.

Step 3. Click Add. System pops up Add A&C box, see Figure 14- 1.

The 'Add A&C' dialog box is shown with the following fields and values:

- Input Info:**
 - Manufacturer: DAHUA
 - IP Address: (empty)
 - Device Port: 37777
 - Video Server: Center Server
 - Username: admin
 - Password: (masked with dots)
 - Org: root
- Device Details:**
 - Device Name: (empty)
 - Device Model: DH-BSC1221A
 - Device SN: (empty)
 - Device Memo: (empty)
- A&C Channel:**
 - Channel Amount: (empty)

Buttons: Getting Info, OK, Cancel

Figure 14- 1

Step 4. Configure access control parameter, click OK.

14.1.2 Unlock Timeout Config

The system supports to configure timeout unlock. If a user unlocks door over this time threshold, then it will link to alarm.

The higher the level, the higher the threshold value will be.

Step 1. Select Business>Unlock Overtime.

Step 2. Enter alarm level name and threshold value, see Figure 14- 2.

Alarm Level name	Threshold
Level 1	10 Minute(s)*
Level 2	8 Minute(s)*
Level 3	6 Minute(s)*
Level 4	4 Minute(s)*
Level 5	2 Minute(s)*


 The level 1 has the highest level and the level 5 has the lowest level. The higher the level, the bigger the threshold.

Figure 14- 2

Step 3. Click Submit.

14.1.3 Link Video

DSS Manager supports to bind video resource to A&C. When A&C has alarm, it will play bound video resource.

Step 1. Select Business>Link Video>A&C.

Step 2. Click . See Figure 14- 3.

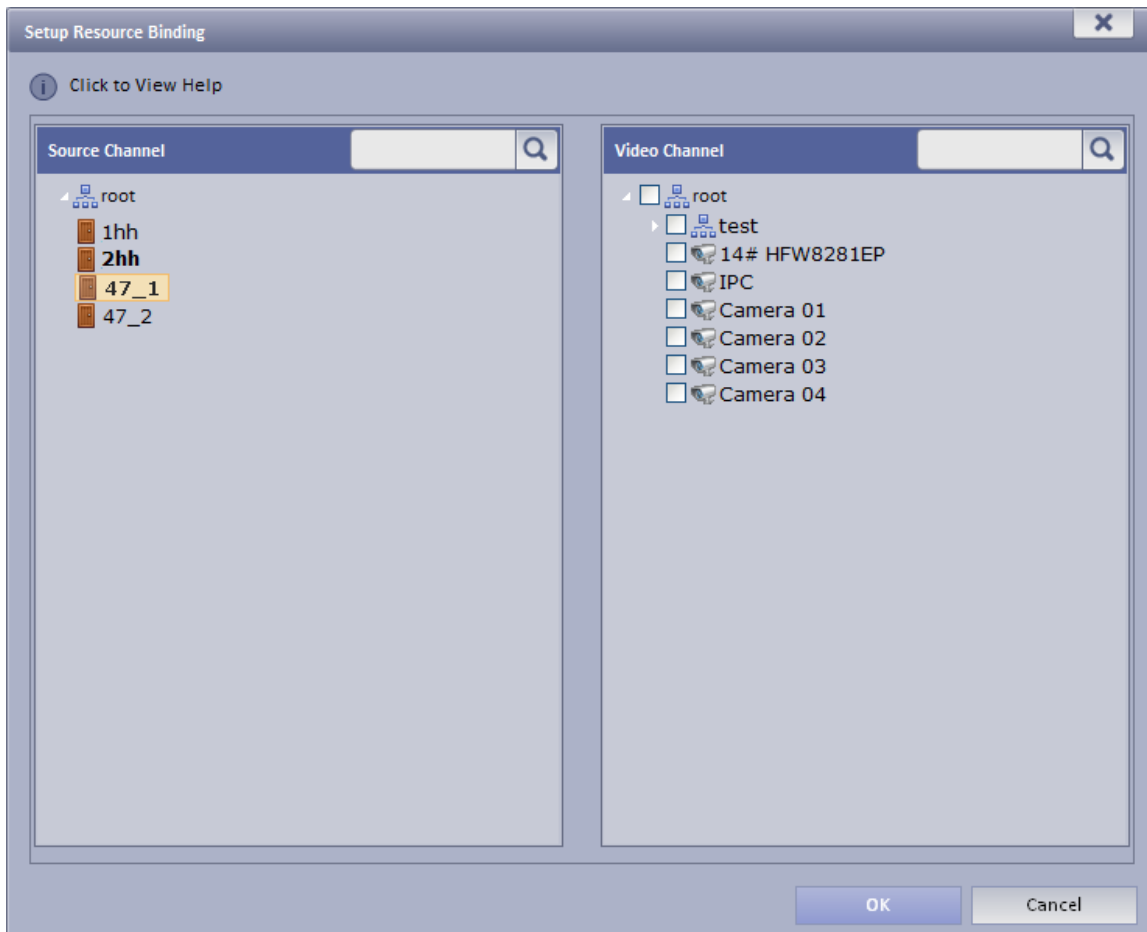


Figure 14- 3


Step 3. Select A&C source and linked video channel.

Step 4. Click OK.

14.2 Access Control

Step 1. Login DSS Client.



Step 2. Click  in Extension area.

Step 3. In device list on the right, select different A&C devices, so it will show different A&C unlock information, door sensor and overtime alarm.

See Figure 14- 4.

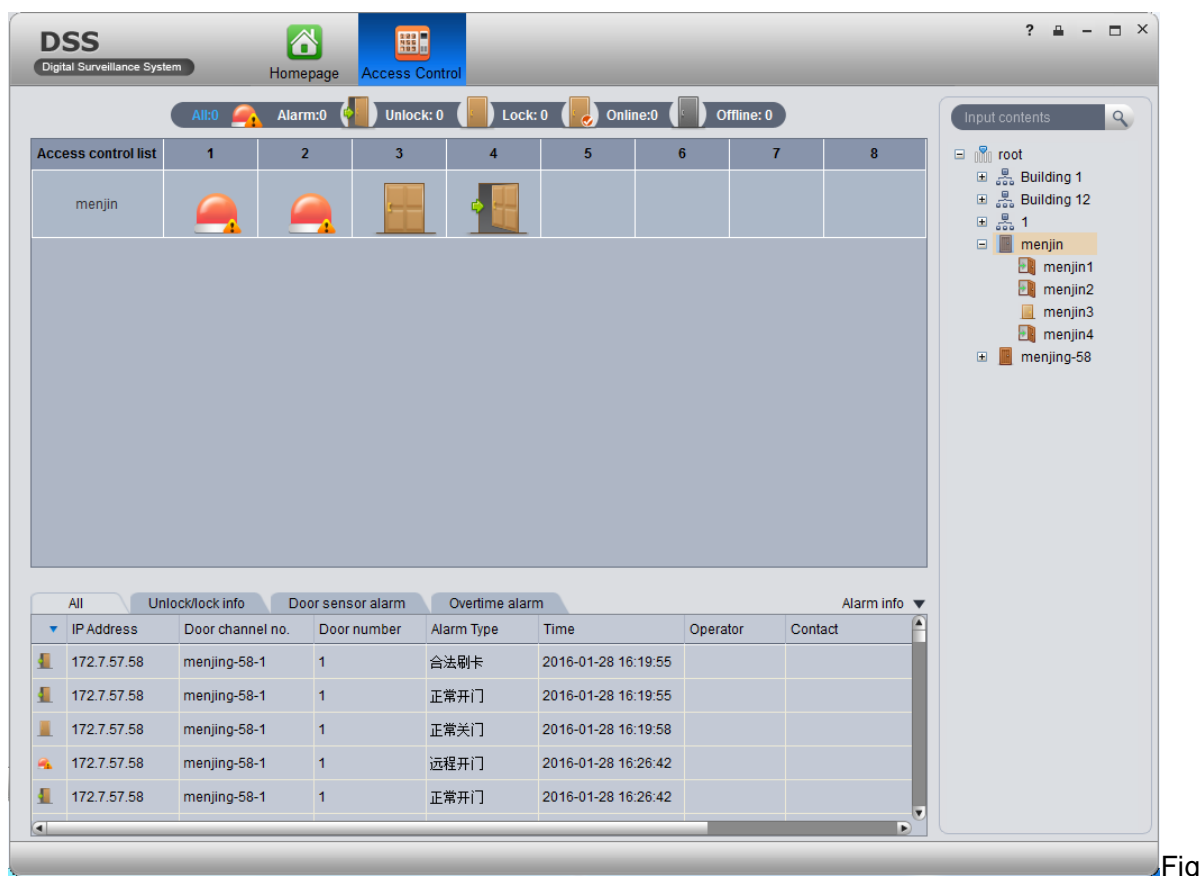


Figure 14- 4

You can view lock/unlock, door sensor, overtime alarm information in each of the following tab.
Step 4. Double click alarm record below, you can view alarm details.

15 Alarm Controller

DSS platform supports to manage alarm controller, and to arm, disarm, bypass alarm controller.

15.1 Add Alarm Controller Device

Step 1. Login DSS Manager.

Step 2. Select General>Device>Alarm Controller.

Step 3. Click Add.

System pops Add Alarm controller box. See Figure 15- 1.

Add Alarm Host

Input Info

Manufacturer: DAHUA

IP Address: *

Device Port: 37777 *

Video Server: Center Server *

Username: admin *

Password: *****

Org: root *

Getting Info

Device Details

Device Name: *

Device SN: *

Device Model: DH-AF6016

Device Memo: *

Alarm Input Channel / Alarm Output Channel

Channel Amount: *

OK Cancel

Figure 15- 1

Step 4. Configure parameter info, click OK.

Step 5. Refer to Ch 13.1.1 to configure linked video of alarm controller device.

15.2 Alarm Controller

Step 1. Login DSS Client.



Step 2. Click , system shows Alarm controller interface.

Alarm controller interface shows all added alarm controller device and zone, the shown device status includes online, offline, alarm, bypass, arm and disarm. You can filter device by status.

On the right, select different alarm controllers which lead to different zones. Select root, to show all zones. See Figure 15- 2.

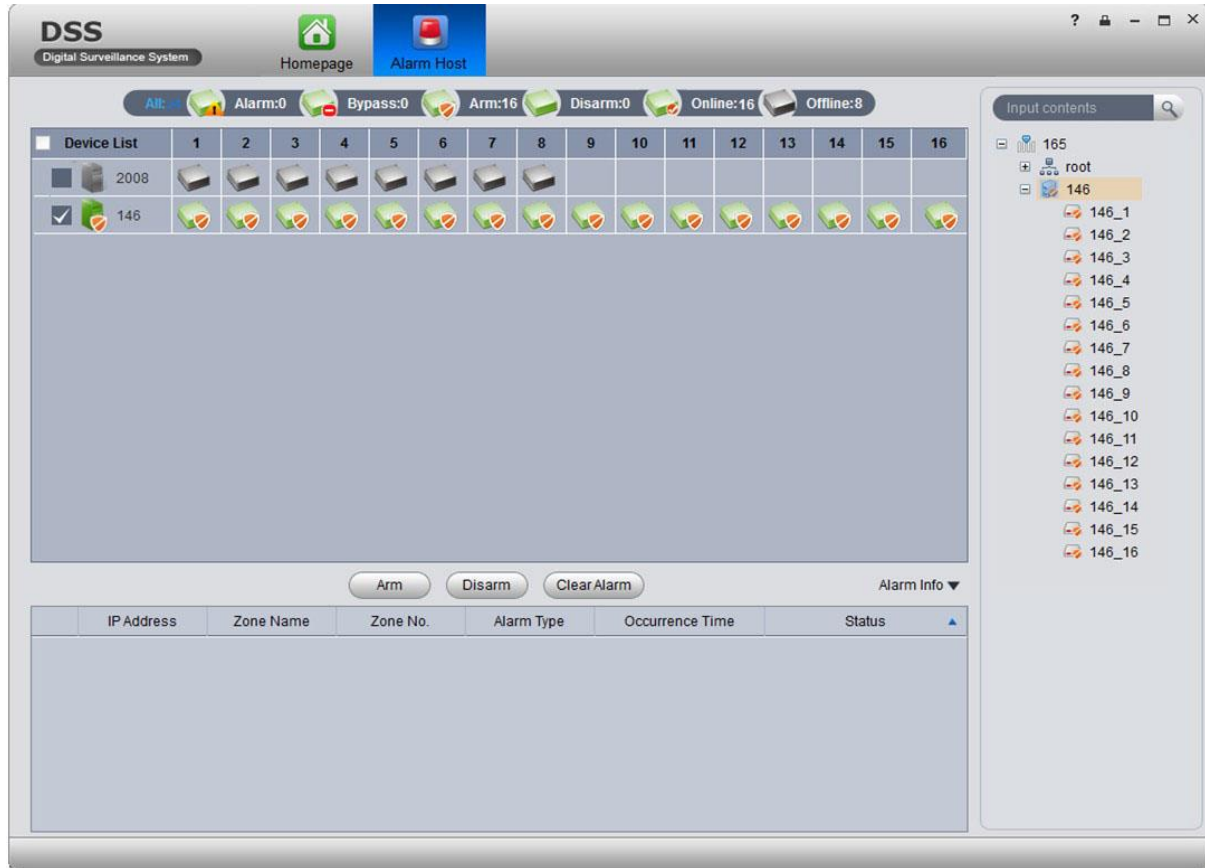


Figure 15- 2

You can batch select device and zone to arm and disarm. Double click zone, to view zone details and monitoring video. Double click alarm info, system pops up alarm details page.

You can view current live preview and record video, and process current alarm. Processing status includes processed, pending, in progress, miss-alarmed and ignored. Processes status will be shown in status in alarm info list.

16 Statistics

16.1 Statistics

DSS Manager supports search of server statistics, device statistics, management statistics, operation statistics and user statistics. The detailed steps are skipped here.

Overview

DSS Manager supports real-time statistics of server and device online status, and supports search for alarm history and channel real-time analytics of server and device.

Step 1. Open Statistics>Overview interface. See Figure 16- 1.

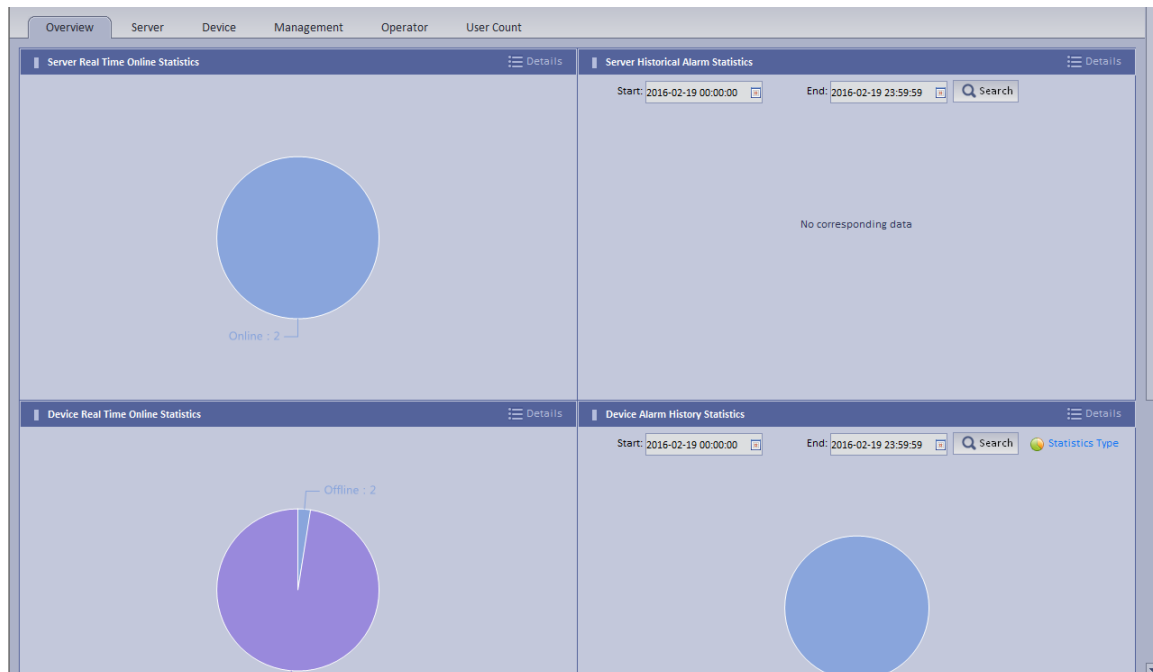


Figure 16- 1

Step 2. Click Details next to Device Real Time Online Statistics or graph below to enter corresponding Statistics>Device>Device Online Statistics tab to view device real time online alarm info.

See Figure 16- 2.

The screenshot shows the 'Device Online Statistics' window. On the left is a tree view of devices under the 'root' folder, listing DVR-1 through DVR-33. The main area displays a table of device statistics. The table has columns: Encode, Status, Device Name, Org, and IP/Domain. All devices are listed with a status of 'Online'. The status column includes a green dot icon. At the bottom right, it says 'Total 517 record(s)' and '1 / 26' pages.

Encode	Status	Device Name	Org	IP/Domain
1000921	Online	DVR-515	root	172.7.57.200
1000920	Online	DVR-514	root	172.7.57.200
1000919	Online	DVR-513	root	172.7.57.200
1000918	Online	DVR-512	root	172.7.57.200
1000917	Online	DVR-511	root	172.7.57.200
1000916	Online	DVR-510	root	172.7.57.200
1000915	Online	DVR-509	root	172.7.57.200
1000913	Online	DVR-508	root	172.7.57.200
1000912	Online	DVR-507	root	172.7.57.200
1000911	Online	DVR-506	root	172.7.57.200
1000910	Online	DVR-505	root	172.7.57.200
1000908	Online	DVR-504	root	172.7.57.200
1000907	Online	DVR-503	root	172.7.57.200
1000906	Online	DVR-502	root	172.7.57.200
1000905	Online	DVR-501	root	172.7.57.200
1000904	Online	DVR-500	root	172.7.57.200
1000903	Online	DVR-499	root	172.7.57.200
1000902	Online	DVR-498	root	172.7.57.200
1000901	Online	DVR-497	root	172.7.57.200
1000900	Online	DVR-496	root	172.7.57.200

Figure 16- 2

Step 3. Click Statistics Type on the bottom in Overview interface. You will see Figure 16- 3.

The 'Statistics Type' dialog box is shown. It has a close button (X) in the top right. The dialog contains two main sections: 'Alarm Input Channel' and 'Video Channel'. Under 'Alarm Input Channel', there are 15 sub-items, all with unchecked checkboxes: External Alarm, Host Alarm, Fire, Zone Disarm, Low Voltage, City Power Interrupt Alarm, Door Sensor, IR, Gas Sensor, Smoke Sensor, Urgency Button, Stolen Alarm, Perimeter, Preventer Move. Under 'Video Channel', there are 5 sub-items, all with unchecked checkboxes: Video Loss, Motion Detect, Tampering, Channel Disconnected, Audio Abnormal. At the bottom, there is a 'Device' section with a checked checkbox and two sub-items: 'Disk Full' (checked) and 'Disk Error' (unchecked). 'OK' and 'Cancel' buttons are at the bottom.

Figure 16- 3

Step 4. Check designated type and click OK.

Step 5. Enter start time and end time. Click Search to search corresponding type info.

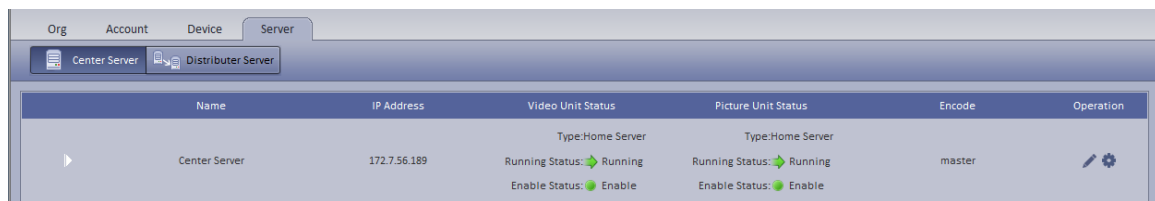
16.2 Server Management

DSS Manager provides server management. Server management has center unit and distribution unit.

- Center

- Dual hot spare not added

Step 1. Open General>Server>Center Unit. You can see operation status of center unit host. See Figure 16- 4.



Name	IP Address	Video Unit Status	Picture Unit Status	Encode	Operation
Center Server	172.7.56.189	Type:Home Server Running Status: Running Enable Status: Enable	Type:Home Server Running Status: Running Enable Status: Enable	master	

Figure 16- 4

Step 2. Click , you can view name, server type, IP and status of center unit, video unit and picture unit in main server center unit. See Figure 16- 5.

OrgAccountDeviceServer

Center ServerDistributer Server

Name	IP Address	Video Unit Status	Picture Unit Status	Encode	Operation
<div>▼</div> Center Server	172.7.56.189	Type:Home Server Running Status: <div></div> Running Enable Status: <div></div> Enable	Type:Home Server Running Status: <div></div> Running Enable Status: <div></div> Enable	master	<div></div> <div></div>
Center Unit	Name	Service Type		Status	
	PES(8001)	PES		<div></div> Online	
	MGW(16001)	MGW		<div></div> Online	
	SCS(18001)	SCS		<div></div> Online	
	ADP(15001)	ADP		<div></div> Online	
	VMS(4001)	VMS		<div></div> Online	
	ASC(10001)	ASC		<div></div> Online	
	APP_SS(14001)	APP_SS		<div></div> Online	
	APP_MATRIX(9001)	APP_MATRIX		<div></div> Online	
	APP_SMS(13001)	APP_SMS		<div></div> Online	
	APP_MAIL(12001)	APP_MAIL		<div></div> Online	
	ADS(11001)	ADS(Alarm Dispatch Service)		<div></div> Online	
	EAS(18101)	EAS		<div></div> Online	
Video Unit	Name	Service Type		Status	
	SS(1001)	SS(Storage Service)		<div></div> Online	
	MTS(2001)	MTS(Medium Transfer Service)		<div></div> Online	
	DMS(3001)	DMS(Device Management Service)		<div></div> Online	
	MCDALARM(19001)	MCD_ALARM		<div></div> Online	
	MCDGATE(21001)	MCD_GATE		<div></div> Online	
	MCDLED(22001)	MCD_LED		<div></div> Online	
	MCDDOOR(20001)	MCD_DOOR		<div></div> Online	

Figure 16- 5

- Dual hot spare added

Click open General>Server Config>Center Unit interface, you can view center unit and spare operation status of center unit. See Figure 16- 6.

Name	IP Address	Dual Device Status	Video Unit Status	Picture Unit Status	Encode	Operation
Center Server	172.7.56.180	Type Host Active Status: Active Power Status: Normal Beet Network Status: Normal Database Status: Connected	Type Home Server Running Status: Running Enable Status: Enable	Type Home Server Running Status: Running Enable Status: Enable	master	
	172.7.56.95	Type Backup Active Status: Abnormal Power Status: Normal Beet Network Status: Normal Database Status: Abnormal				



Figure 16- 6

- Distribution unit


Step 1. Open General>Server>Distribution Unit interface, you can view operation status of master/slave mode server. See Figure 16- 7.

Name	IP Address	Video Unit Status	Picture Unit Status	Encode	Operation
172.7.56.52	172.7.56.52	Type Home Server Running Status: Running Enable Status: Enable	Type Home Server Running Status: Running Enable Status: Enable	1D027DFAA00062	

Figure 16- 7

Step 2. Click  or , you can edit or delete distribution unit.

Click , you can enter initialization interface.

Step 3. Click , you can view video server name, server type and IP status. See Figure 16- 8.

Name	IP Address	Video Unit Status	Picture Unit Status	Encode	Operation
172.7.56.52	172.7.56.52	Type Home Server Running Status: Running Enable Status: Enable	Type Home Server Running Status: Offline Enable Status: Disable	1D027DFAA00062	
Video Unit					
		Name	Service Type	Status	
		PCPS(6002)	PCPS	Online	
		ARS(5002)	ARS(Active Register Service)	Online	
		MCDALARM(19002)	MCD_ALARM	Online	
		MCDDOOR(20002)	MCD_DOOR	Online	
		MTS(2002)	MTS(Medium Transfer Service)	Online	
		SS(1002)	SS(Storage Service)	Online	
		DMS(3002)	DMS(Device Management Service)	Online	
		VQDS(17002)	VQDS	Online	
Picture Unit					
		Name	Service Type	Status	

Figure 16- 8

16.3 Video Quality Analytics

DSS platform supports video quality analytics, first please set video analytics, analytics task, analytics scheme on Manager, and then you can view result of analytics on Client.


Step 1. Login DSS Manager.

Step 2. Select Business>Video Analytics.

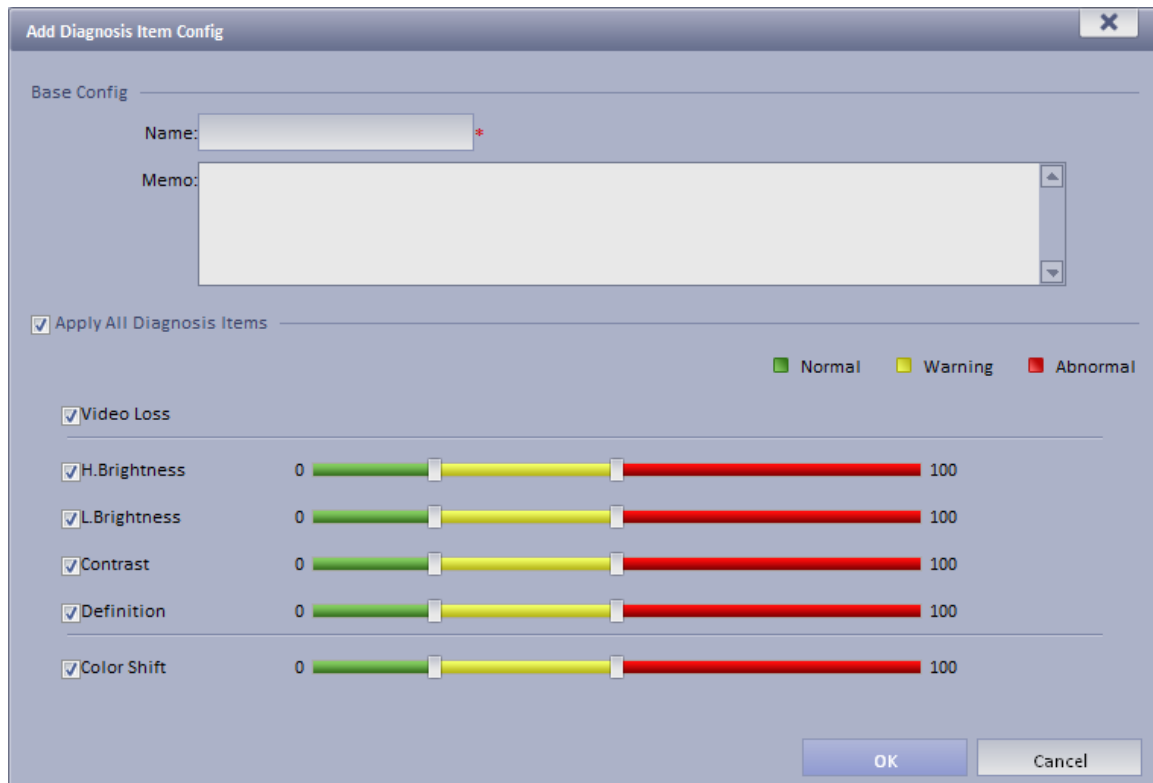
- Analytics item config: used to config video analytics.
- Task config: used to config video analytics task.
- Scheme config: used to config video analytics scheme template.

16.3.1 Config Analytics Item

Step 1. Select Video Analytics>Video Analytics.

Step 2. Click . System pops up Add Analytics Item Config box.

Step 3. Configure name and select analytics item, see Figure 16- 9.



The dialog box titled "Add Diagnosis Item Config" contains the following elements:

- Base Config** section:
 - Name:** A text input field with a red asterisk indicating it is required.
 - Memo:** A large text area for additional notes.
- ☒ **Apply All Diagnosis Items**: A checkbox that is currently checked.
- Legend**: Three colored squares representing status levels:
 - Normal
 - Warning
 - Abnormal
- Video Loss**: A checkbox that is checked.
- Analytics Items**: A list of items, each with a checked checkbox and a corresponding slider:
 - ☒ **H.Brightness**: Slider from 0 to 100.
 - ☒ **L.Brightness**: Slider from 0 to 100.
 - ☒ **Contrast**: Slider from 0 to 100.
 - ☒ **Definition**: Slider from 0 to 100.
 - ☒ **Color Shift**: Slider from 0 to 100.
- Buttons**: "OK" and "Cancel" buttons at the bottom right.

Figure 16- 9

Step 4. Click OK. The added analytics item is shown in Analytics Config interface. You can modify and delete existing analytics item.

16.3.2 Configure Analytics Task

Step 1. Select Video Analytics Config>Task Config.

Step 2. Click . System pops up Add Task Config box, see Figure 16- 10.

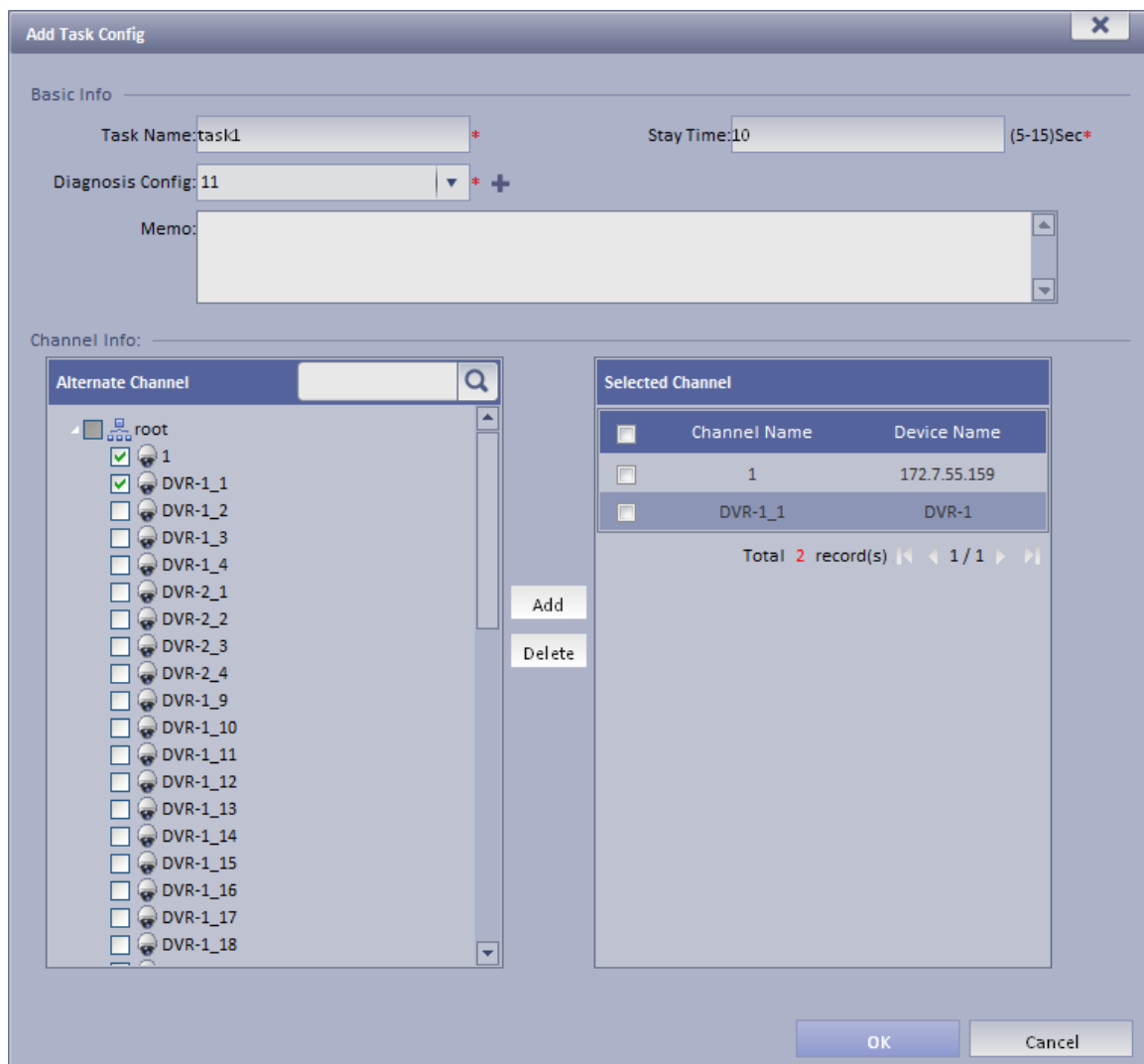


Figure 16- 10

Step 3. Configure task name, single channel analytics overtime, analytics item config and etc.

Note:

Single channel analytics overtime: analytics of each channel required time.


Step 4. Check alternate channel, and click Add to add channel below selected channel.

Step 5. Click OK.


Configured task is shown in task config list. You can view, modify and delete added task.

16.3.3 Config Analytics Scheme

Step 1. Select Video Analytics Config>Scheme Config.

Step 2. Click . System pops up Add Scheme Config box.

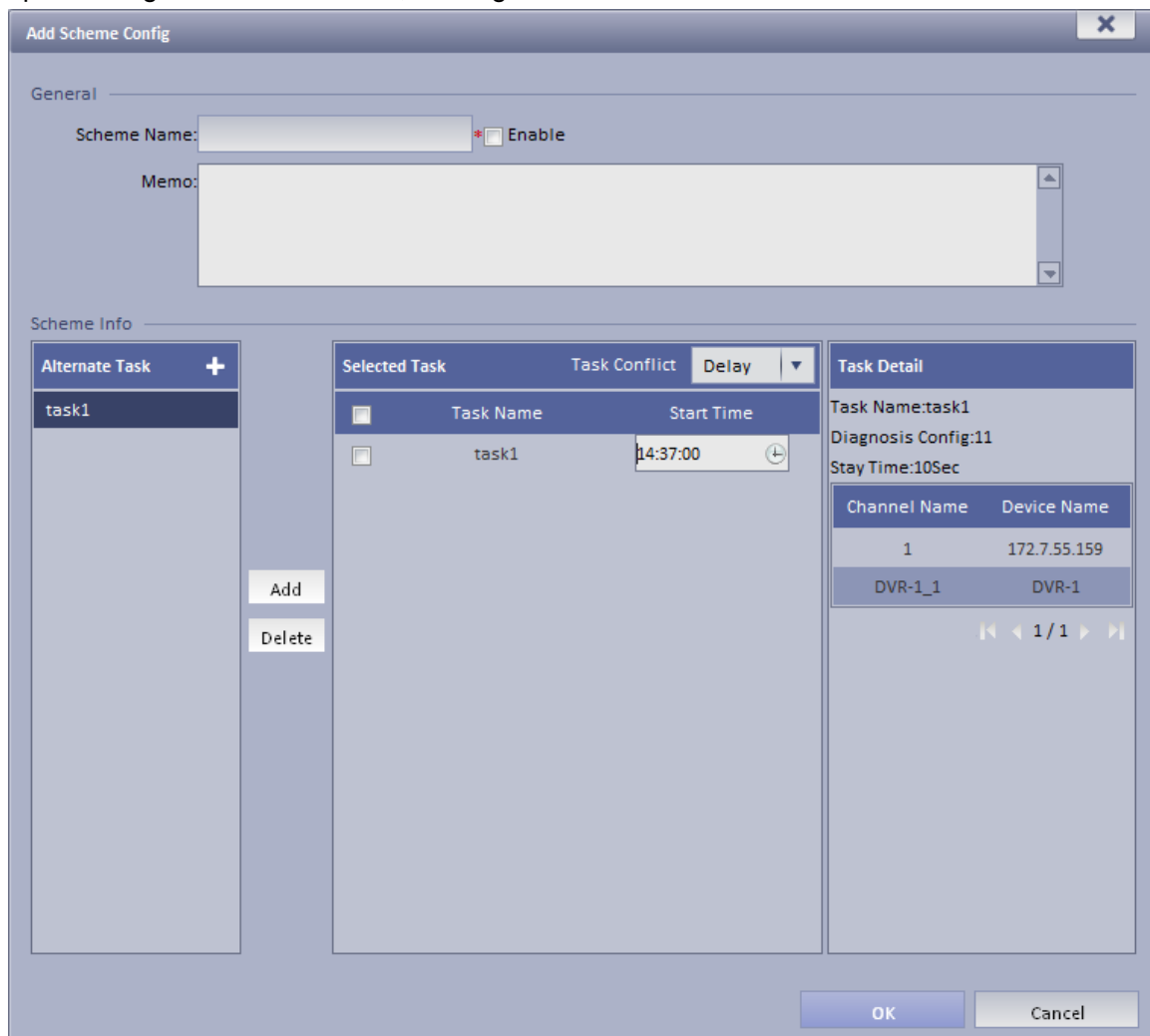
Step 3. Configure scheme name and check Enable.

Step 4. Under alternate task box, select alternate task, and click  to add task to selected task.

Note:

The system supports multiple task.

Step 5. Configure task's start time, see Figure 16- 11.



The 'Add Scheme Config' dialog box is shown with the 'General' tab selected. It contains a 'Scheme Name' field, an 'Enable' checkbox, and a 'Memo' text area. The 'Scheme Info' section is divided into three panels: 'Alternate Task' (showing 'task1'), 'Selected Task' (showing 'task1' with a start time of '14:37:00'), and 'Task Detail' (showing 'Task Name:task1', 'Diagnosis Config:11', 'Stay Time:10Sec', and a table of channel and device names).

Channel Name	Device Name
1	172.7.55.159
DVR-1_1	DVR-1

At the bottom of the dialog are 'OK' and 'Cancel' buttons.


Figure 16- 11

Step 6. Click OK. Configured scheme will be shown under scheme config list, you can modify and delete added scheme.

16.3.4 View Video Diagnosis Result

Step 1. Login DSS Client.



Step 2. Click  in Extension area. System shows Video Analytics>Abnormal Analytics interface, see Figure 16- 12.

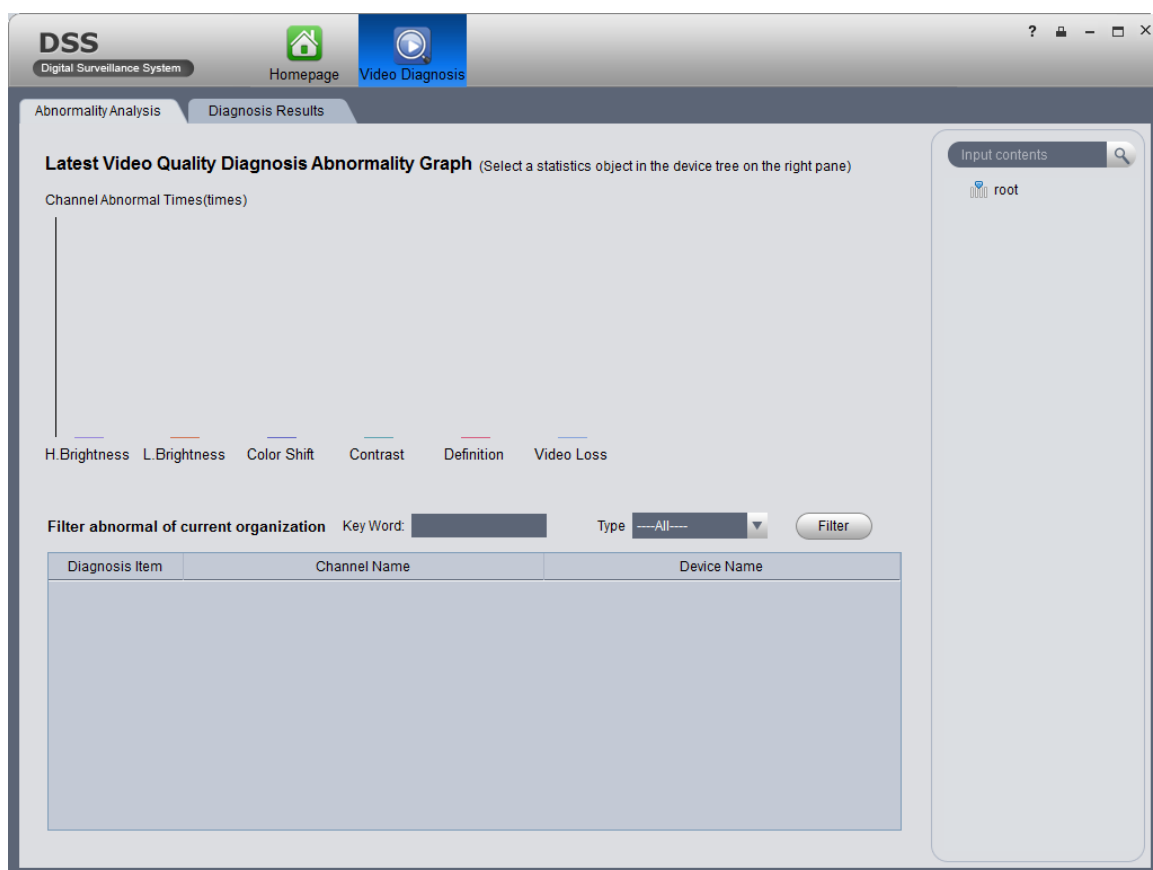


Figure 16- 12

Step 3. Click Diagnosis Result tab, you can view all video analytics content.

See

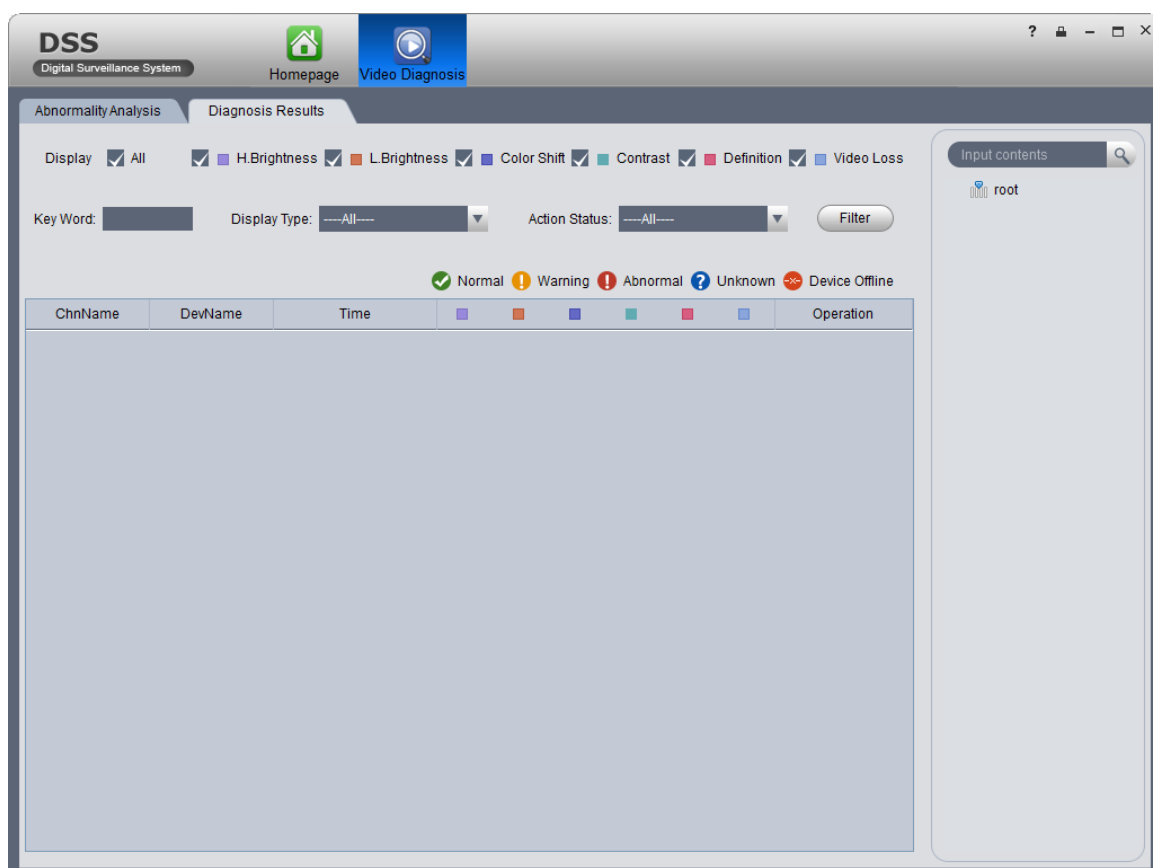





Figure 16- 13

- Click : view channel analytics history.
- Click : view channel live preview.
- Click : palyback channel record.


17 Other DSS Manager Operations

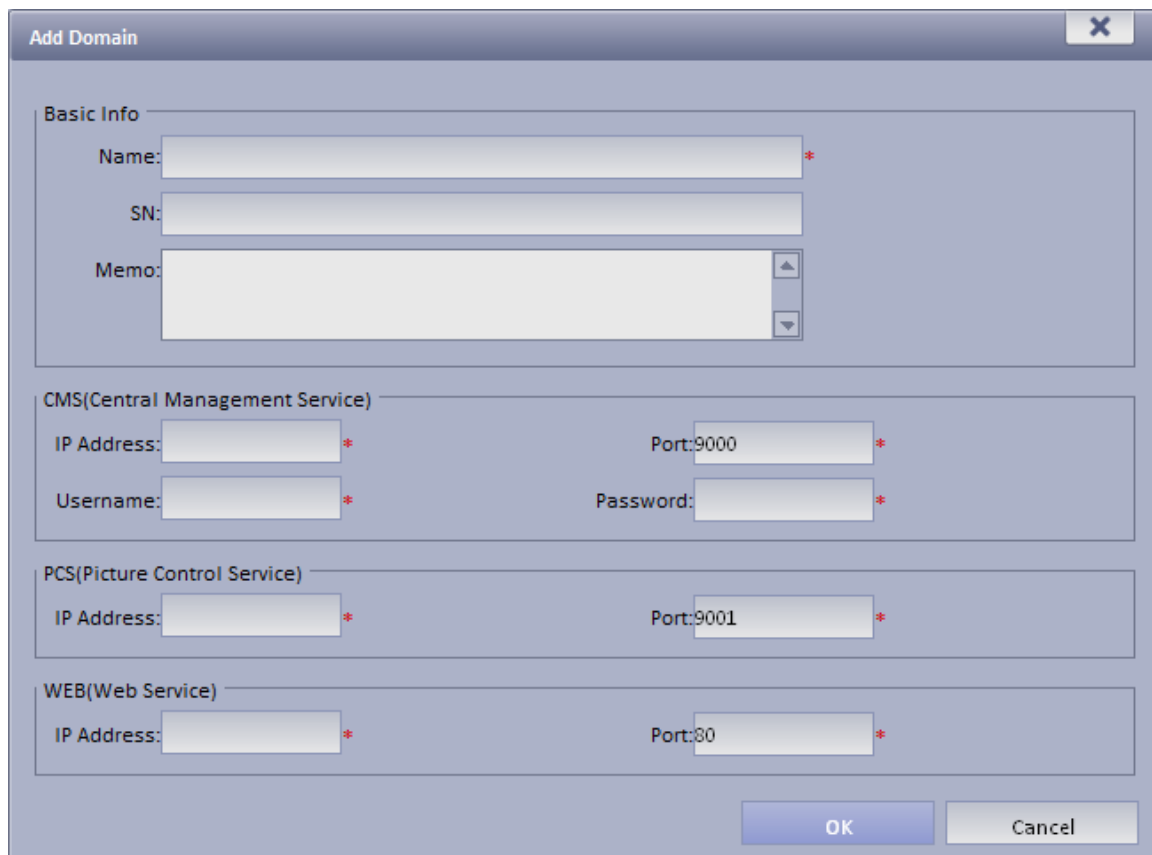
17.1 Cascade

DSS Manager supports cascading configuration. You can set Domain, Domain Service of other zones. After cascading, you can manager lower organization and device.

Before configuring cascading, you must obtain the IP address and port where lower-level CMS server is installed, and IP address and port where WEB server is installed.

Step 1. Select Cascade>Domain. System displays Domain interface.

Step 2. Click . System pops up Add Domain box, see Figure 17- 1.



The 'Add Domain' dialog box is a light blue window with a title bar containing the text 'Add Domain' and a close button (X). It contains three main sections for configuration:

- Basic Info:** Includes a 'Name' field with a red asterisk, an 'SN' field, and a 'Memo' field with up and down arrow buttons.
- CMS(Central Management Service):** Includes 'IP Address' and 'Username' fields with red asterisks, and 'Port' (set to 9000) and 'Password' fields with red asterisks.
- PCS(Picture Control Service):** Includes 'IP Address' and 'Port' (set to 9001) fields with red asterisks.
- WEB(Web Service):** Includes 'IP Address' and 'Port' (set to 80) fields with red asterisks.

At the bottom right, there are 'OK' and 'Cancel' buttons.

Figure 17- 1

Step 3. Input Name, CMS IP address, CMS port, CMS username, CMS password, WEB IP address, WEB port.


Step 4. Click OK. After configuration, select General>Org. Here you can view added domain or device info. You can select Cascade>Domain Service to view online status of domain.

17.2 System Config

17.2.1 Upload

DSS supports uploading file to CMS.

Step 1. Select System>Upload. System displays Upload interface.

Step 2. Click . System pops up Upload File box, see Figure 17- 2.

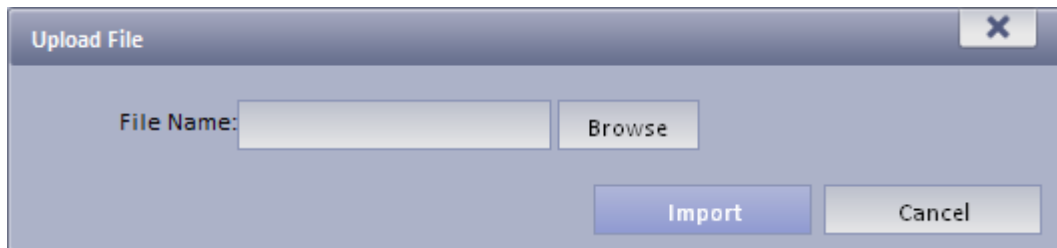


Figure 17- 2

Step 3. Click Browse to select file to upload.

Step 4. Click Import to upload selected file.

17.2.2 Backup and Restore

DSS supports config info backup to local PC, and restoration of the backup file.

Note:

Only system user can backup and restore.

17.2.2.1 System Backup

System backup detailed step:

Step 1. Select System>Backup Restore, see Figure 17- 3.

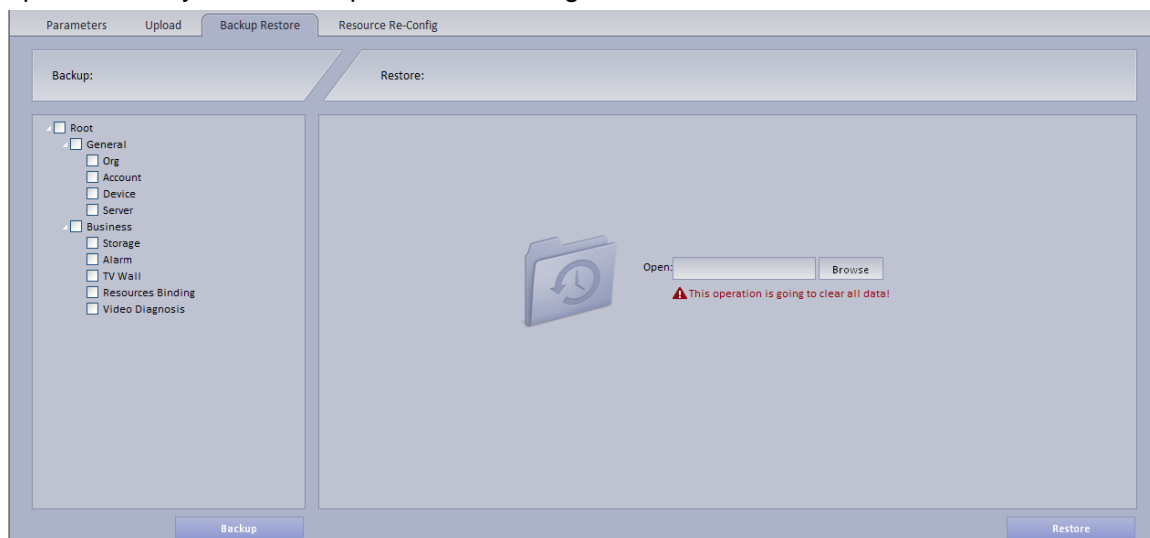


Figure 17- 3

Step 2. Check info to backup. For example, Org, Account.

Step 3. Click on Backup.

Step 4. Click on Save, system pops up Save as box.

Step 5. Select storage path and click on Save. System prompt when downloading is complete.

Step 6. Click on Close.

17.2.2.2 Restore

You can select backup file to restore system.

Step 1. Select System>Backup Restore.

Step 2. Click on Browse in Restore area.

Step 3. Select backup file.

Step 4. Click on Restore.

Step 5. Input password user “system”.

Step 6. Click on OK.

Step 7. System will restore, and system need to be rebooted.

17.2.3 Resource Re-Config

You can re-configure DSS server resource and parameter.

17.2.3.1 Video Server

Step 1. Select System>Resource Re-Config.

Step 2. Click Video Server.

Step 3. Drag device on the left into server. See Figure 17- 4.

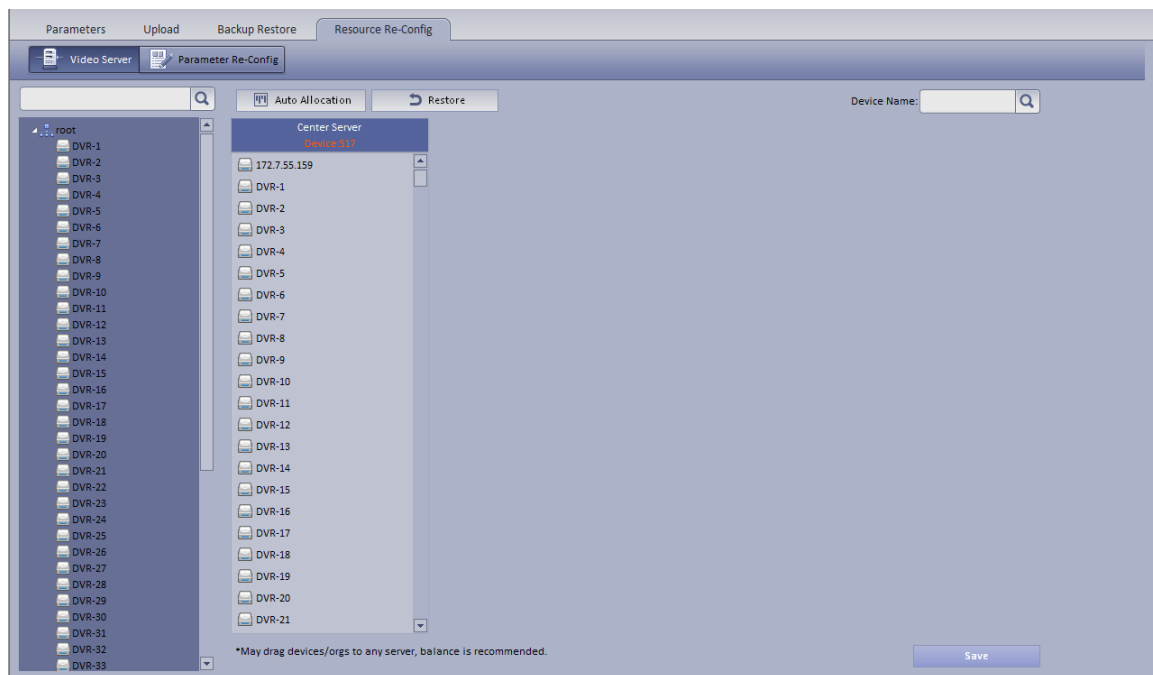





Figure 17- 4

-  **Auto Allocation**: You can select one device, and click Auto Allocation so system will automatically allocate device to one server.
-  **Restore**: You can restore previous operation.
- : Enter device name, click Search to search device.

17.2.3.2 Parameter Re-Config

You can modify device username, password and organization together.

Step 1. Select System Config>Resource Re-Config.

Step 2. Click Parameter Re-Config.

Step 3. In device list on the left, check device.

You can select more than one device at the same time, and all of checked device will be shown in the area at device to be batch modified.

Step 4. Check Modify username password, to batch modify device username and password.

Step 5. Check Re-config organization to batch modify device organization.

Step 6. Click Save.

18WEB Client

DSS supports B/S format client. Via login WEB Manager, you can set local config, preview, playback, TV wall and E-map.

18.1 Login WEB

To log in WEB:

Step 1. In Internet Explorer, input IP address of DSS, and press Enter. System shows login interface as in Figure 18- 1.

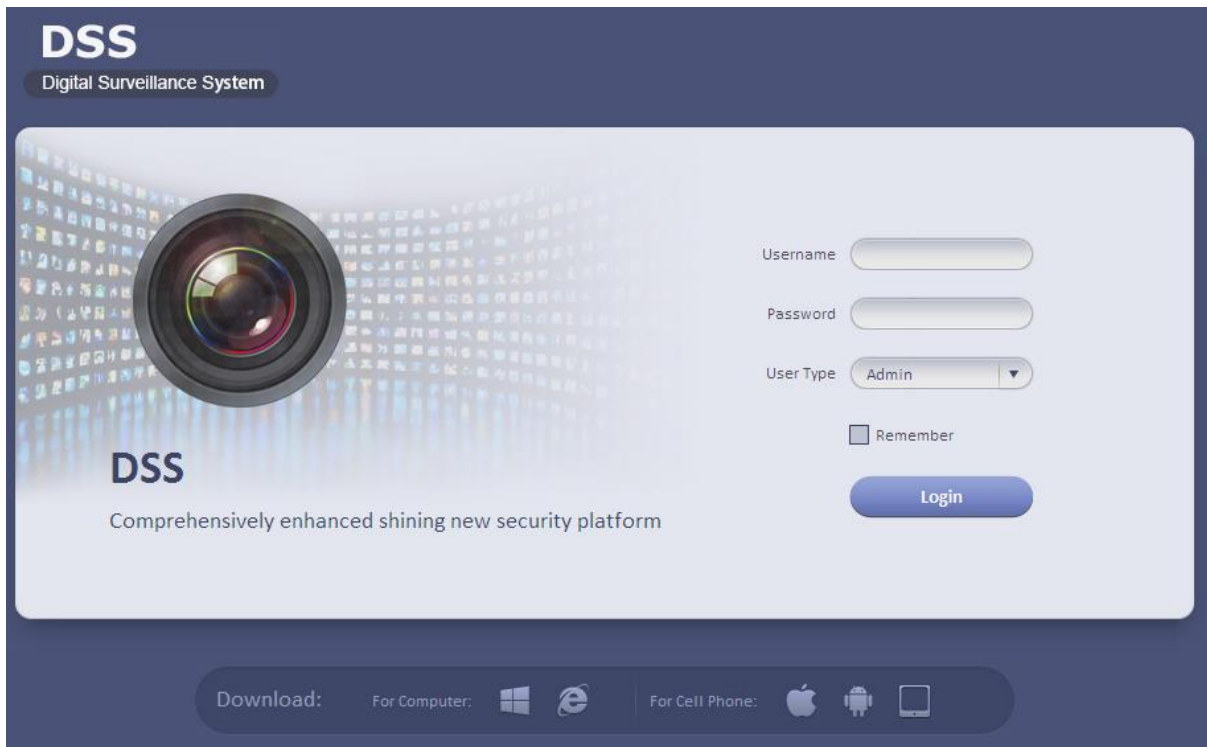



Figure 18- 1

Step 2. Click , system prompts to download Plugin.exe.

Step 3. Download and install Plugin.exe.

Step 4. In Internet Explorer, input IP address of DSS, and press Enter.

Step 5. In login interface, input username and password. Select user type as Operator.

Step 6. Click Login. See Figure 18- 2.

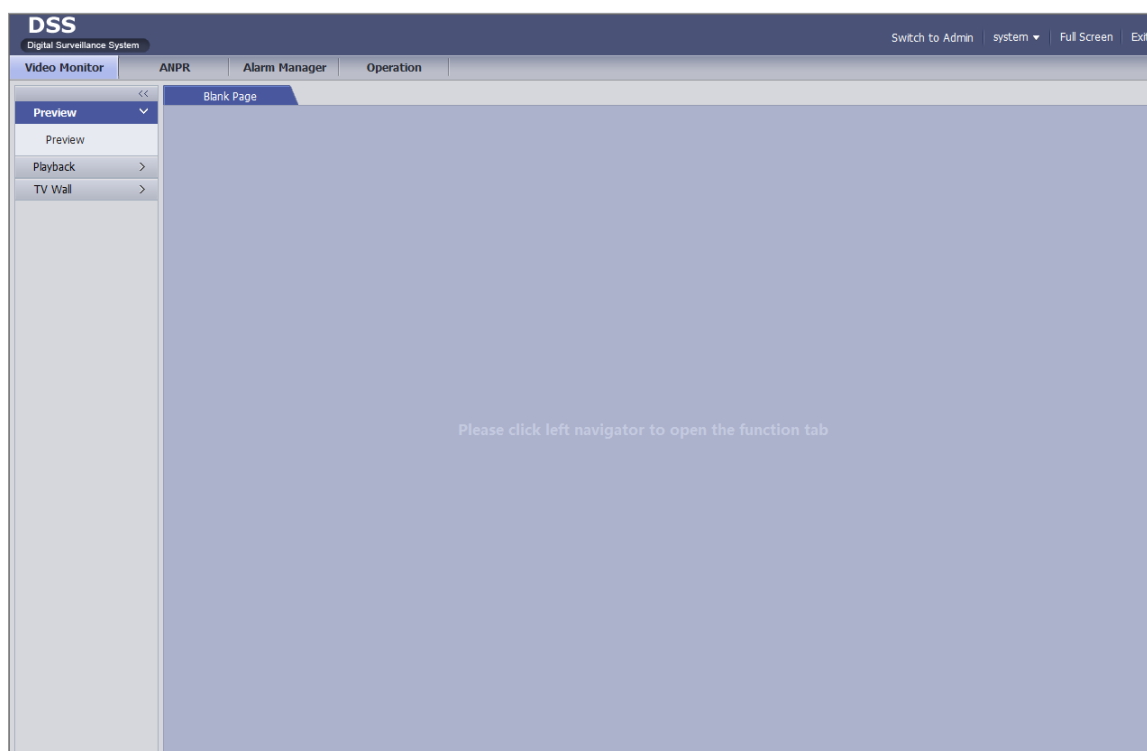


Figure 18- 2

18.2 Setup

Please refer to Ch 2.2.3.

18.3 Video Monitor

18.3.1 Preview

Please refer to Ch 5.

18.3.2 Playback

Please refer to Ch 6.

18.3.3 TV Wall

Please refer to Ch 9.

18.4 Map

Please refer to Ch 7.

Note:

- **This 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.**
- **All trademarks and registered trademarks are the properties of their respective owners.**
- **If there is any uncertainty or controversy, please refer to the final explanation of us.**
- **Please visit our website or contact your local service engineer for more information.**