



INTIPSIPSRV User Manual

Version 1.0

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Welcome

Thank you for using our SIP Server!

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

Here you can find detailed operation information about SIP server.

Important Safeguards and Warnings

I

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

SIP server is a management software for video talk management and surveillance in smart building with the following functions:

- Video intercom and remote unlock
- All-in-one card management, quick card issuing
- Multi-device, multi-channel live preview and playback.
- Playback record, local snapshot, record mark and etc.
- Monitor plan customization, multi-channel and multi-window touring.
- Alarm link config, alarm link video.
- E-map, position device any time.

SIP server support download, installation and usage of 32bit/64bit Client. INTIPSIPSRV Client has three types:

- C/S Client
- Android Client (VTSS Mobile)
- iOS Client (VTSS Mobile)

2 Configure System

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

2.1.1 Startup

Connect the power supply and startup.

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

Note: INTIPSIPSRV 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.

2.1.2 Set System IP Address

Before you use VTSS5000 platform, please set system IP address.

VTSS5000 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

2.1.3 Get IP Address

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

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

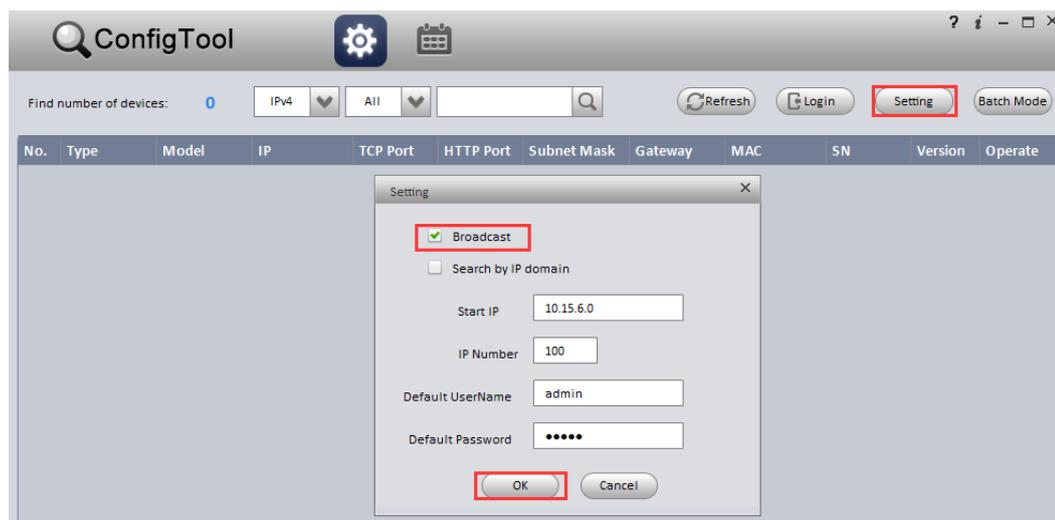


Figure 2- 1

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

ConfigTool

Find number of devices: 99 IPv4 Other Refresh Login Setting Batch Mode

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

2.2 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 contain number, letter, underline and other symbols.
2. The system shows Quick Guide interface, see Figure 2- 4.

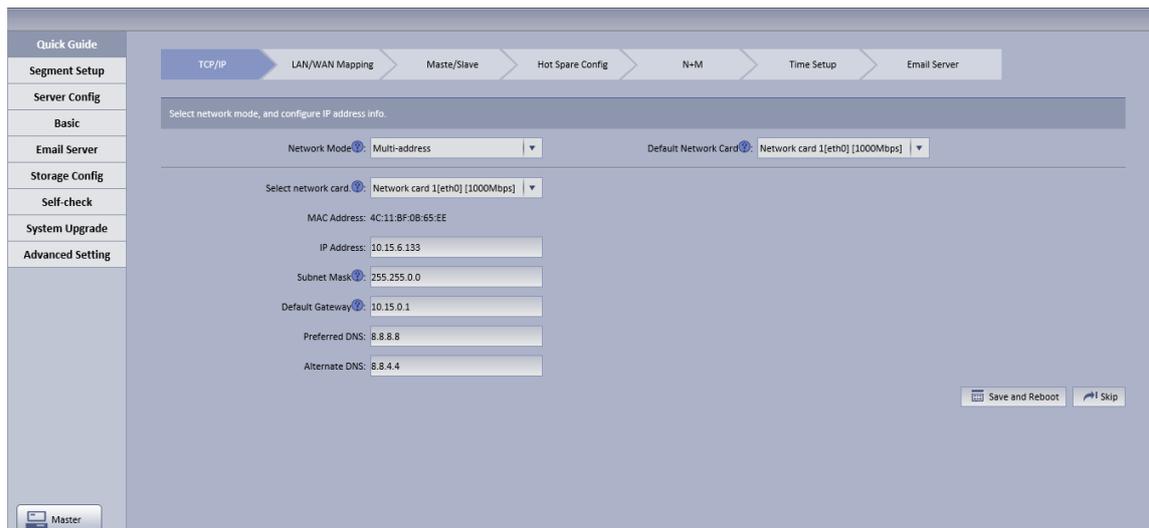


Figure 2- 4

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 如果系统 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.

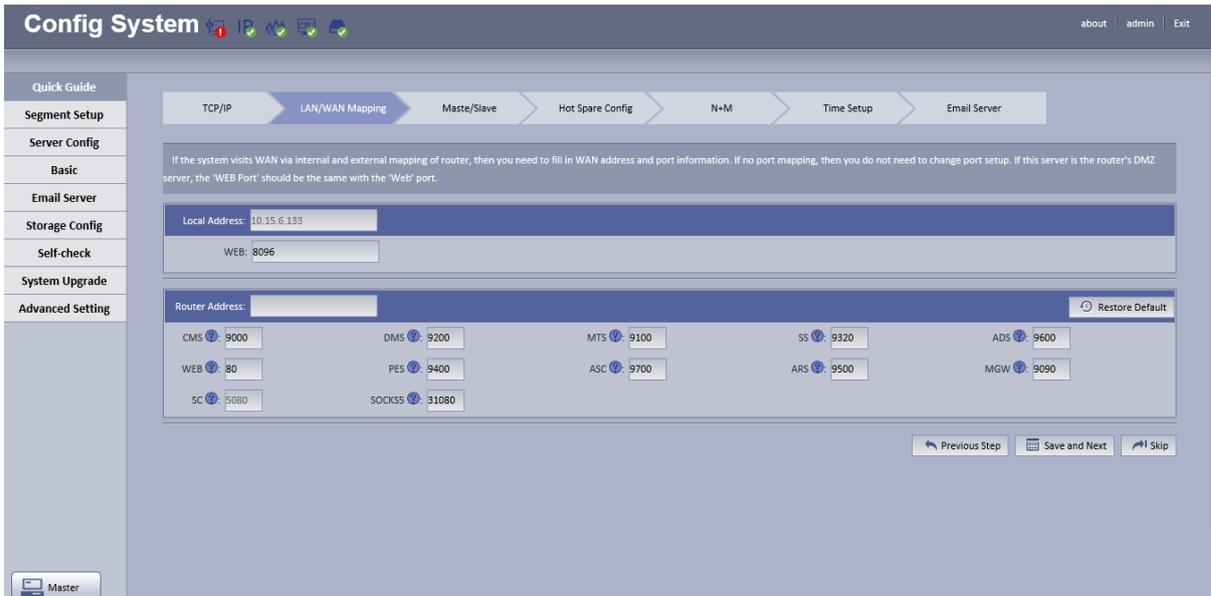


Figure 2- 5

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.

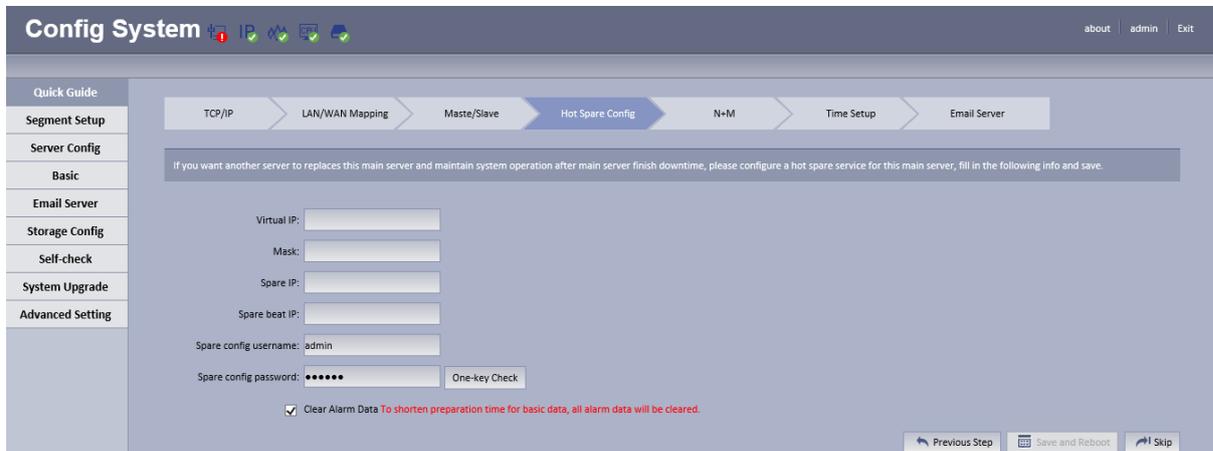


Figure 2- 7

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.

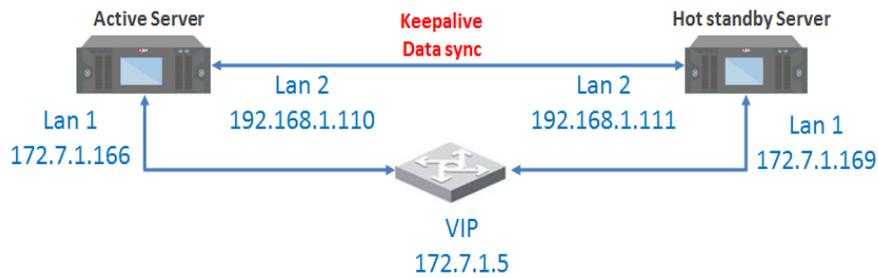


Figure 2- 8

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

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

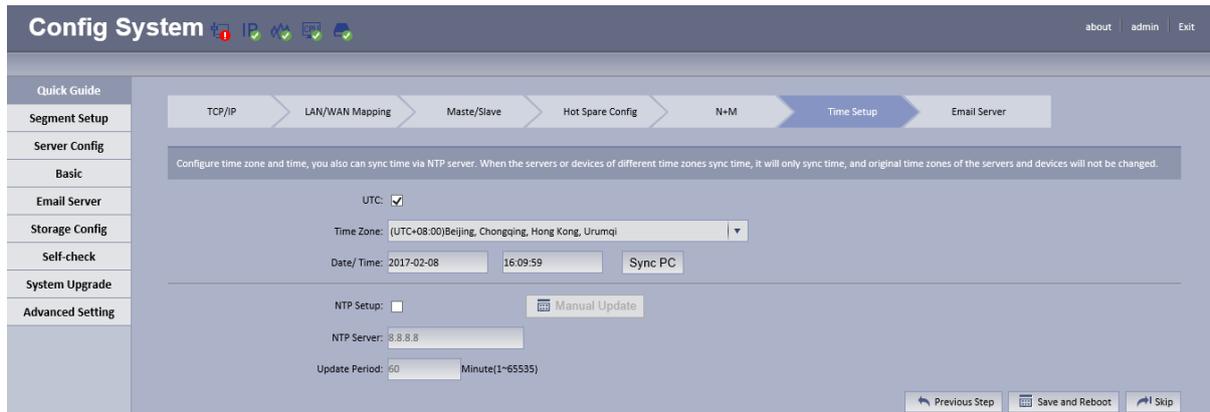


Figure 2- 9

1. Check DST, then select time zone of DST. If you do not check DST, then you do not need to check time zone.
2. 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 INTIPSIPSRV time. Non-central servers do not have NTP function.
3. Click Save and Next, if you do not configure, please click Skip.

When NTP sync with server, scenes 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:

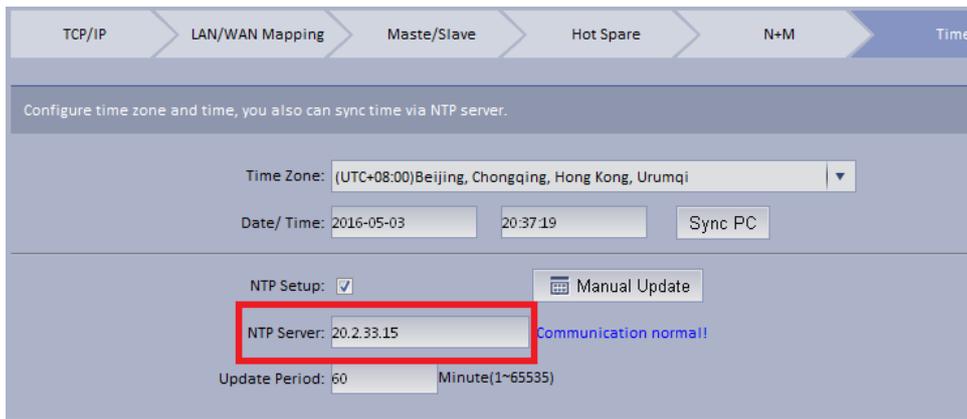


Figure 2- 10

9. Configure Email.

The system shows Email interface, see Figure 2- .

Support yahoo, gmail, hotmail. For yahoo and gmail mail box, it only supports SSL encryption, and for hotmail mail box, it only supports TLS encryption.

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

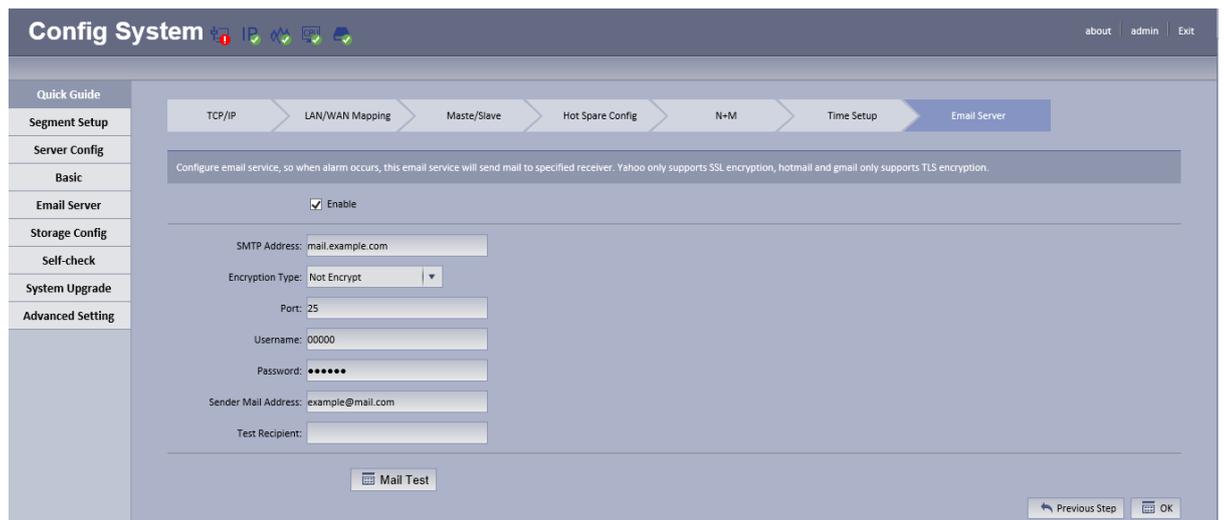


Figure 2- 11

Parameter	Note
SMTP Address	Fill in email server address.
Port	Fill in email port.
Username and Password	Username and password of email box sends out email.
Sender Mail Address	<ul style="list-style-type: none"> 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.

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

2.3 Segment

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

2.4 Server

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

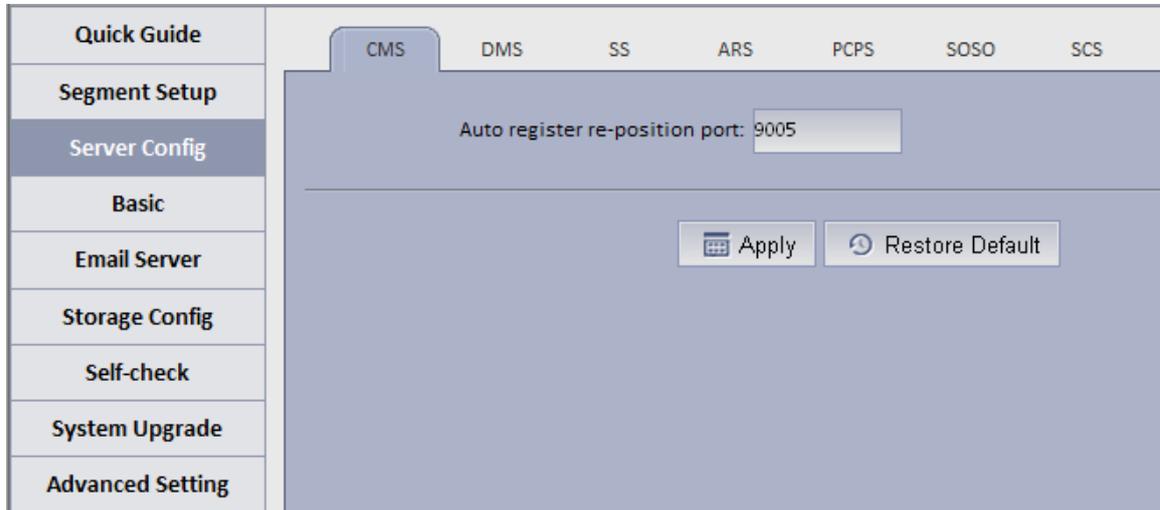


Figure 2- 12

- 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).

- DMS

Set Reset listening port, it is 80 by default.

- 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.

- PES

Control pos end string, end string is "Thank you!" by default.

- 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-VIP Vision device connection. Please maintain default setup.

- SOSO server

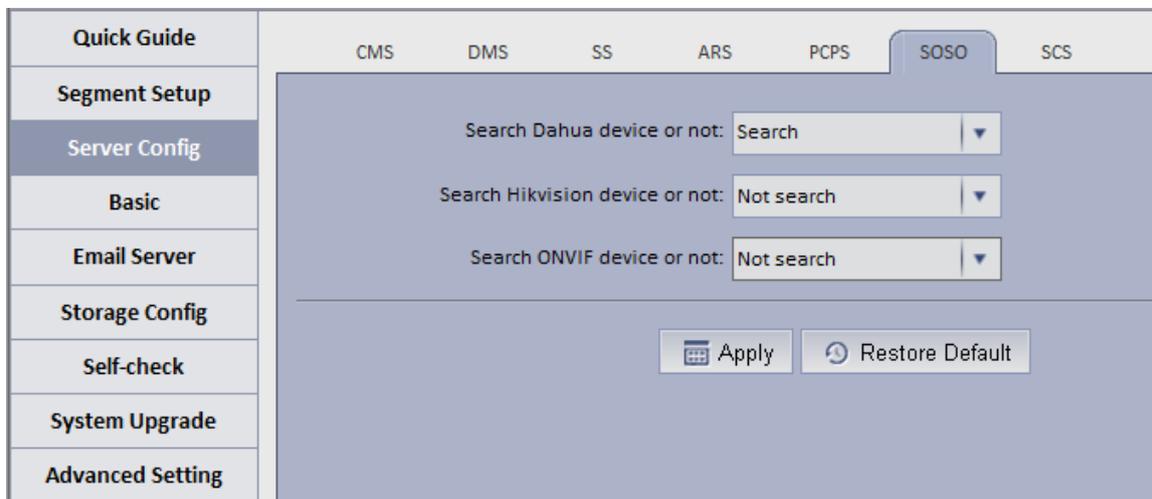


Figure 2- 13

SOSO server config is to filter search content.

In INTIPSIPSRV Manager-end interface, add device, click Search Device. See Figure 2- 14.

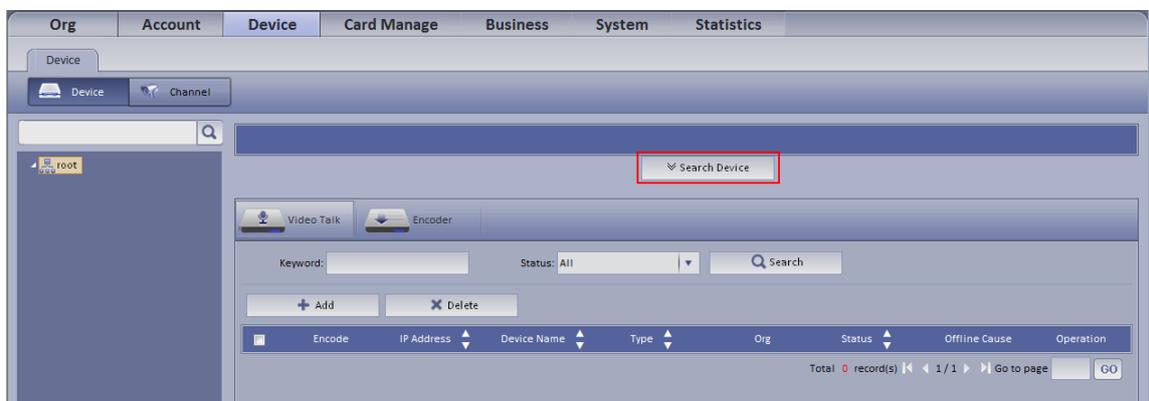


Figure 2- 14

Server enables auto search of Dahua device by default and disables auto search of ONVIF device, see Figure 2- 15.

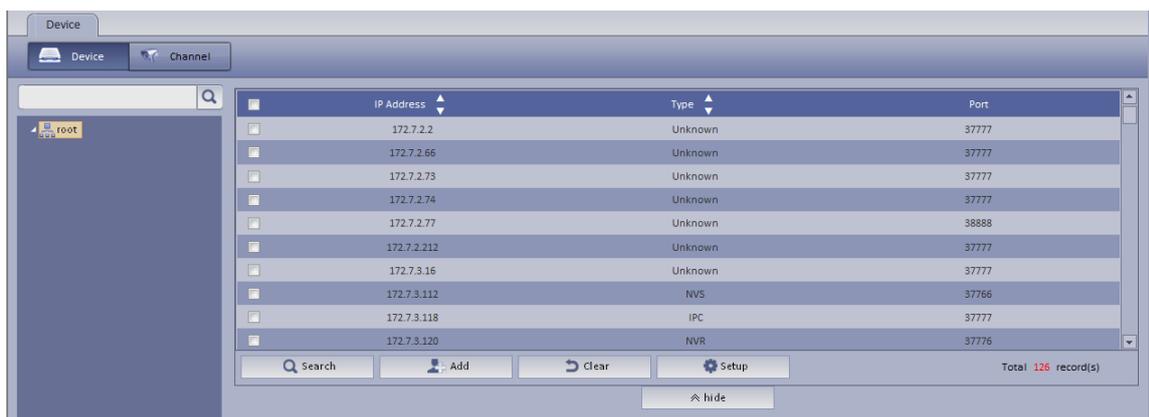


Figure 2- 15

- SCS server

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

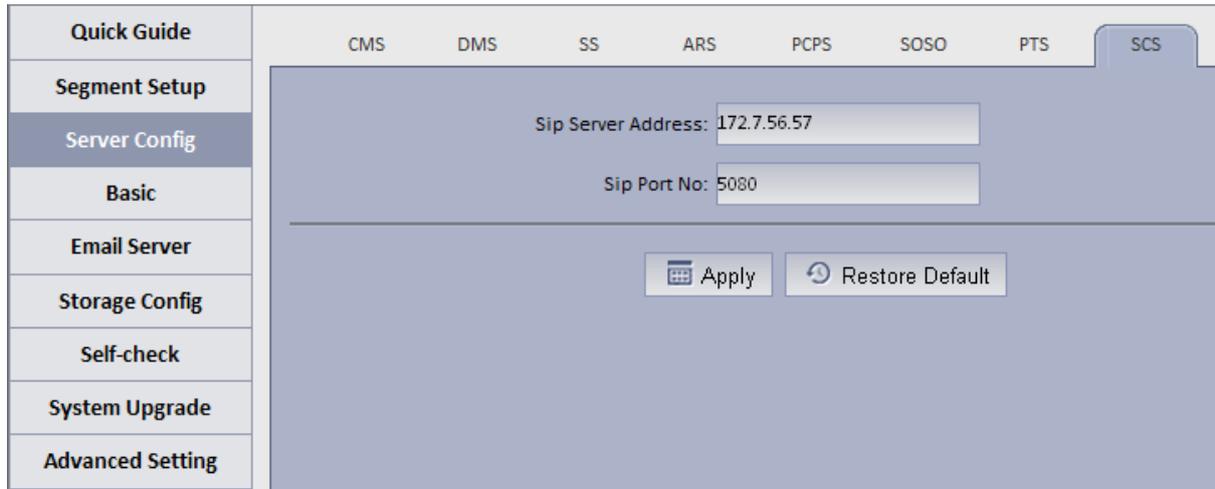


Figure 2- 16

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



Figure 2- 17

2.5 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.

Reset password: reset backstage config/system/root user login password.

- 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- .

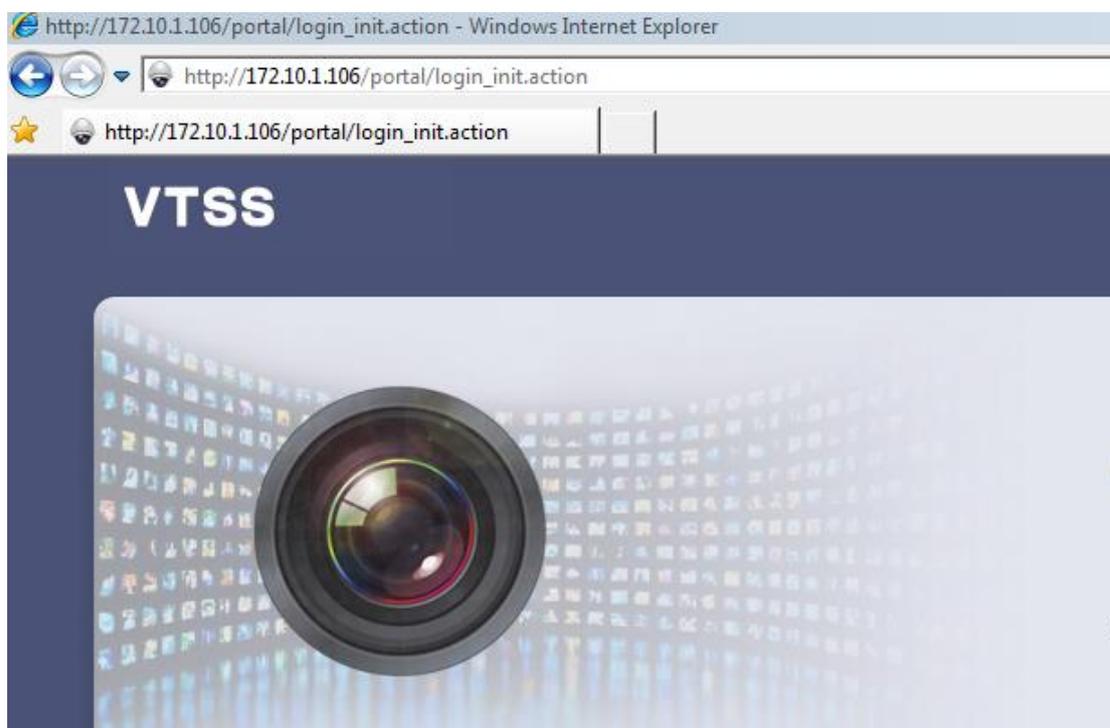


Figure 2- 18

- 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.

- Log

Support unit in day, to download server log of entire system.

2.6 Email

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

2.7 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- .

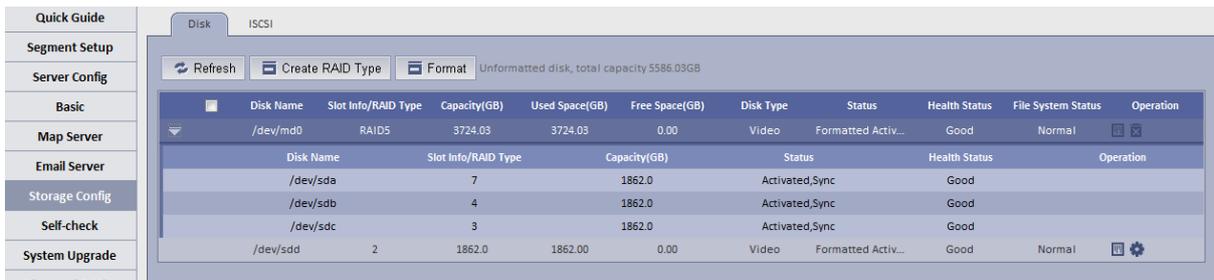


Figure 2- 19

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- .

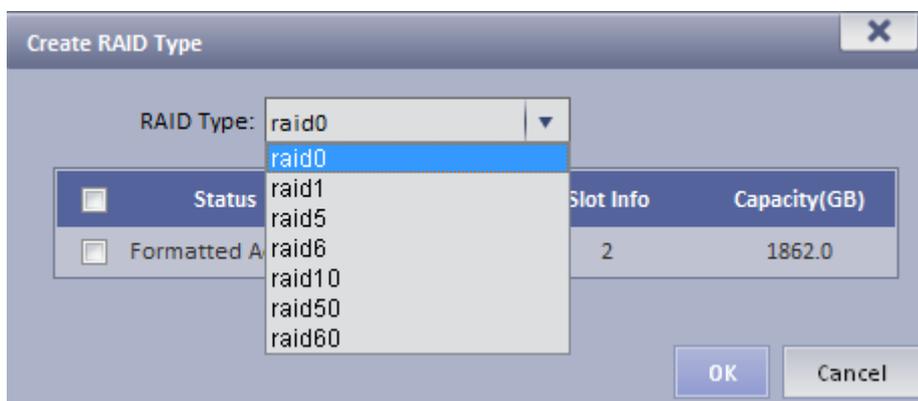


Figure 2- 20

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- .

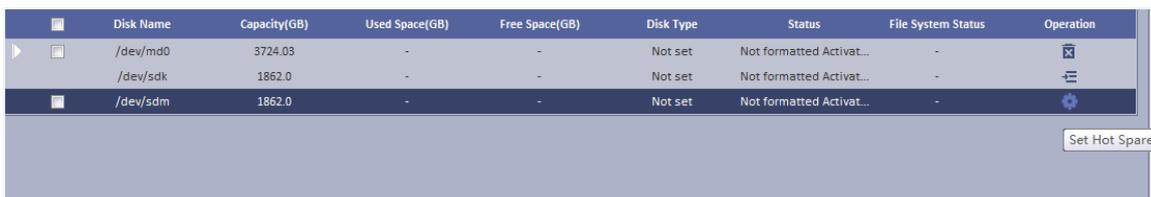


Figure 2- 21

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

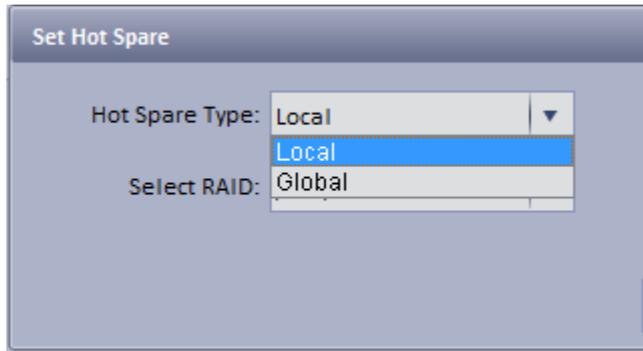


Figure 2- 22

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

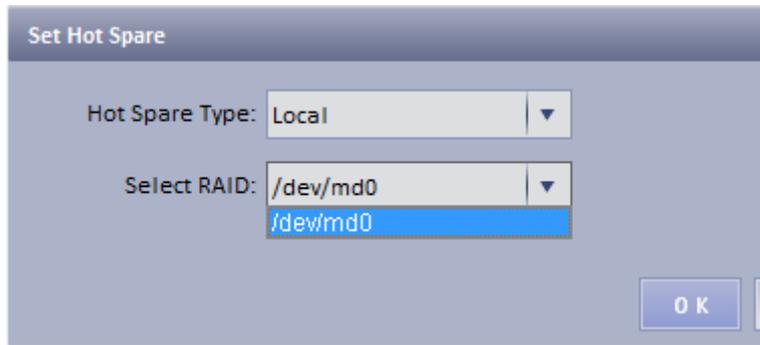


Figure 2- 23

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- 24

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

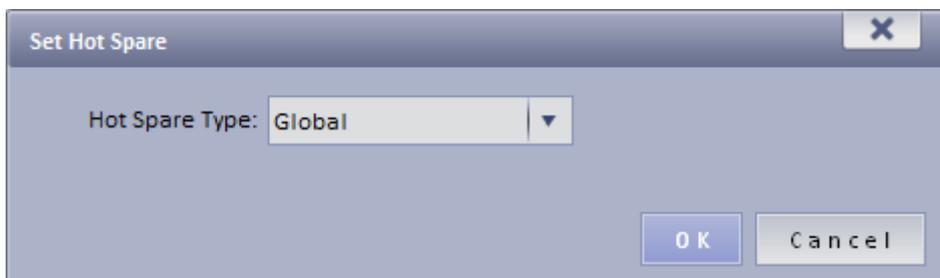


Figure 2- 25

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

/dev/sdk	1862.0	-	-	Not set	Not formatted Activat...	-	Not formatted Activated,Global Hot Spare
----------	--------	---	---	---------	--------------------------	---	--

Figure 2- 26

- Network disk: via network add other storage server, such as ESS, EVS (before adding,

please configure Raid disk on storage server).

After you add it, you must format this disk, and set it to video or picture, same as “local disk config”, see Figure 2- .



Figure 2- 27

For the added storage server, it has been added and used by other server, then the Raid group info will be abnormal, see Figure 2- .

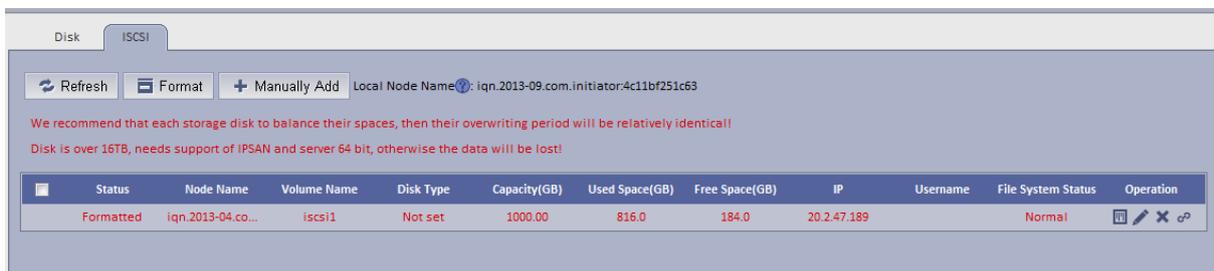


Figure 2- 28

If you have to use this disk, click Rob, and click , when you see prompt, click OK.

See Figure 2- .

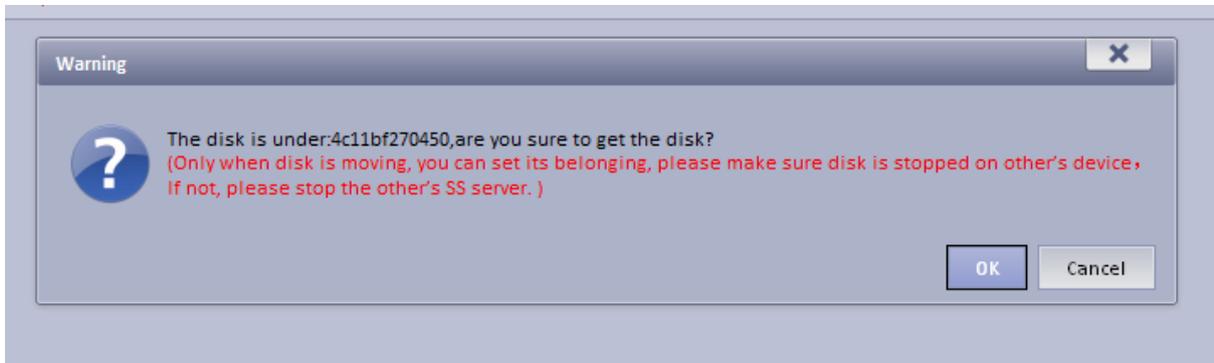


Figure 2- 29

After robbery, the server can immediately use this disk to store.

2.8 System Self-Check

At the upper left corner of system self-check interface, it shows system real-time operation status.

 means normal,  means abnormal, see Figure 2- .



Figure 2- 30

Click to see corresponding details.

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

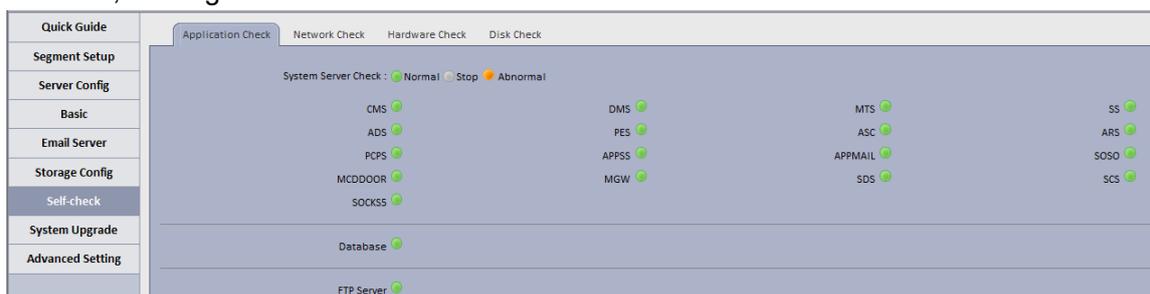


Figure 2- 31

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

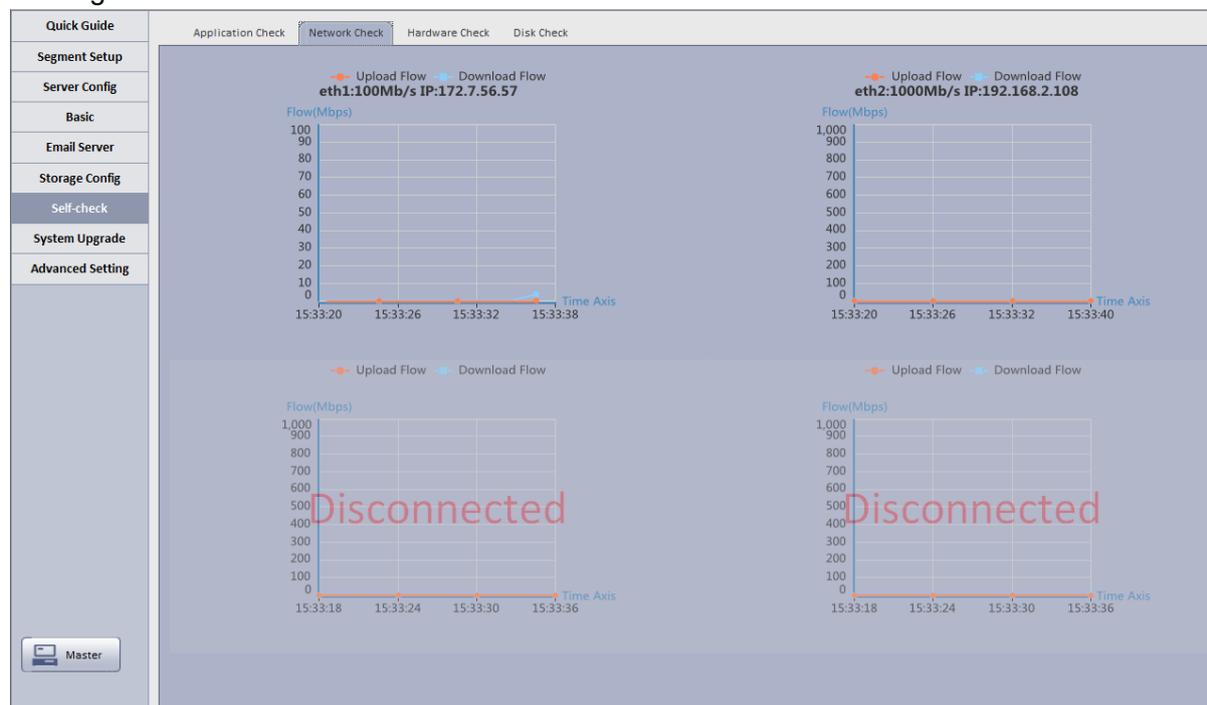


Figure 2- 32

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

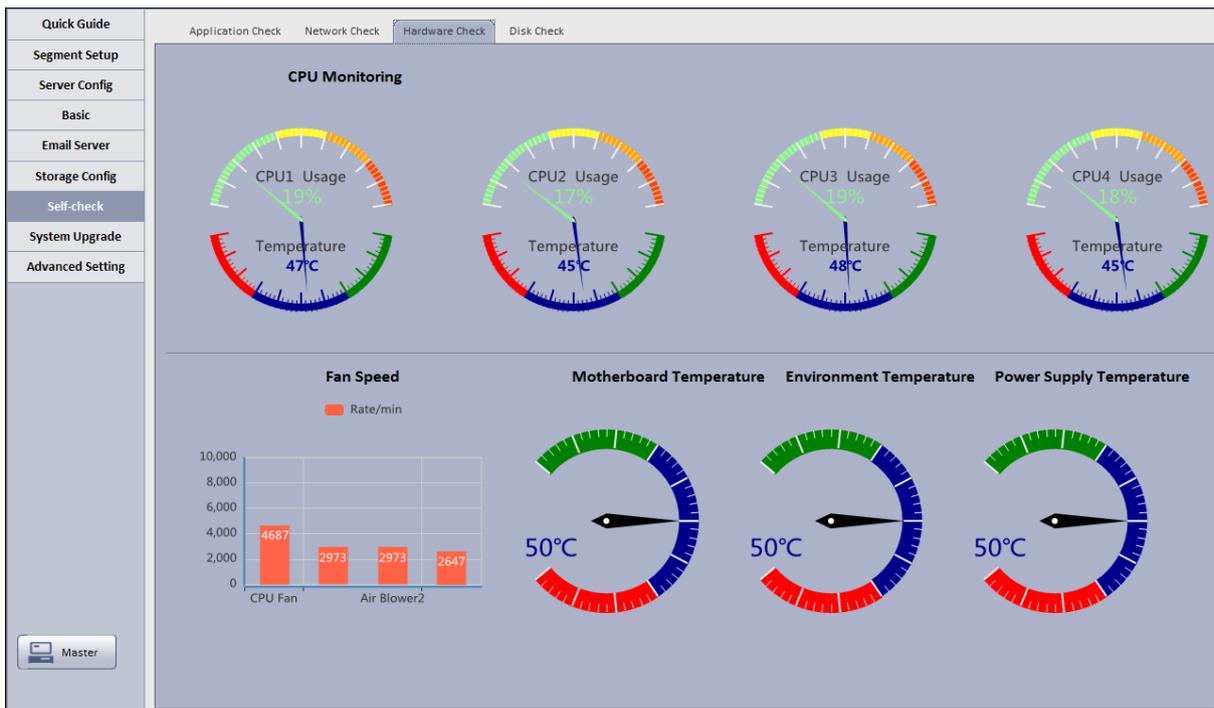


Figure 2- 33

- 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- .

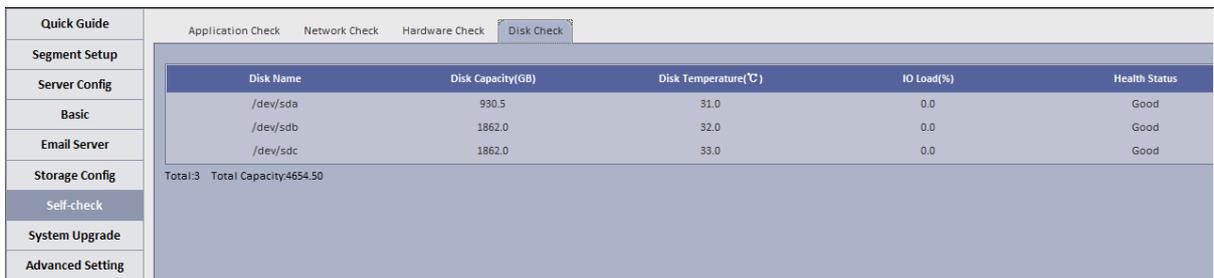


Figure 2- 34

2.9 System Upgrade

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

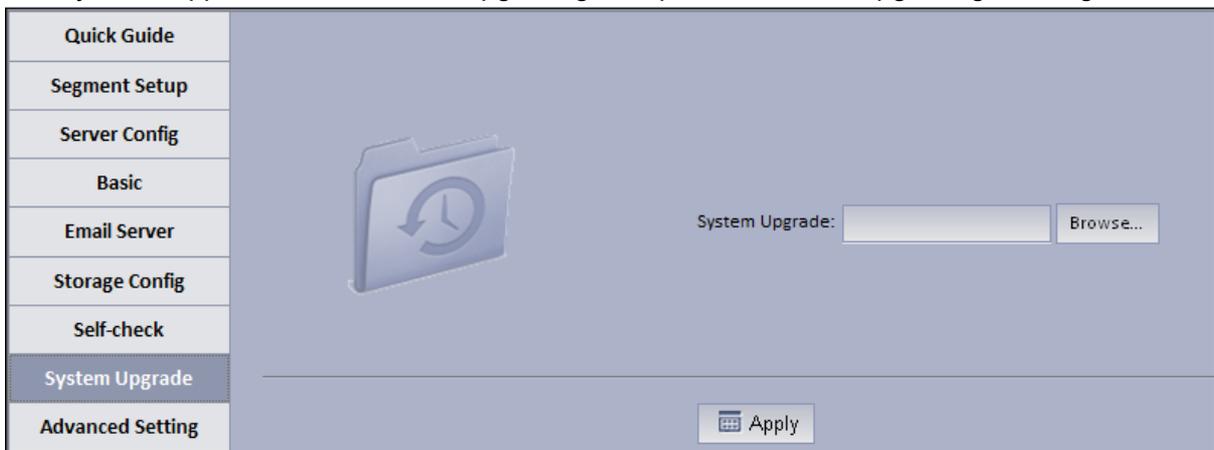


Figure 2- 35

2.10 Advanced Config

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

2.11 WEB System Parameter Config

2.11.1 Login WEB

You can refer to the following steps to login INTIPSIPSRV manager. In Internet Explorer, input IP address of VTSS5000, press Enter. You will see Figure 2-36.

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

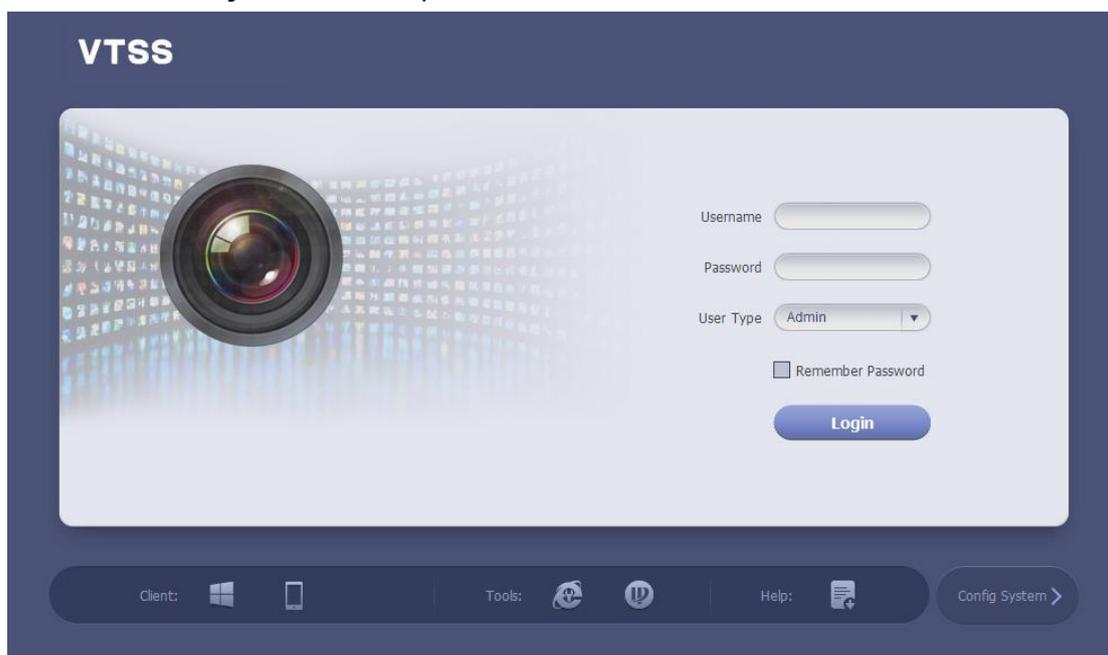


Figure 2- 36

Parameter	Requirement
	Download C/S client.
	Download iPhone version, Android version and scan QR code to download client.
	IE config tool download.
	Config tool download.
	Help manual download.
	Enter config system.

Note:

First time login INTIPSIPSRV Manager, system pops up change password box, please change password.

You can download VTSS5000 Client on this login page. If it is your first time login VTSS5000 Manager, please add its IP address into the trusted site of your explorer.

2.11.2 System Parameter Config

When you first login the system, you shall configure system settings in order to make the system run properly.

Configure the system as follows:

Step 1. Select System > Parameters, you will see Figure 2-37.

Figure 2- 37

Parameter		Note
Log	Max Save Time	Set max save time of log, default is 30 days
Alarm Info	Max Save Time	Set max save time of alarm info, default is 30 days
Sync Setup	Device Sync	If check this parameter, then enable device sync function.
	Start Time	Set start time of time sync.

Parameter		Note
	Sync Interval	Subject to server time sync device and server time. Default is 2 hours as every 2 hours; system is subject to server time and sync time with server. Note: Device and server sync time via SDK.
	Sync Now	Click it to start time sync immediately.
Alarm Picture FTP Server	LAN Path	FTP LAN address where to save alarm picture.
	WAN Path	FTP WAN address where to save alarm picture.
	Username/Password	Username and password to login FTP server
Org/Channel SN		<ul style="list-style-type: none"> • If check Start, organization and channel will have this SN. • If you do not check Start, this SN will not be display in organization manager and device manager.
Multicast		<ul style="list-style-type: none"> • If check Start, you can see multicast when add device. • If you do not check Start, you cannot see multicast when add device.

Step 2. Configure parameters.

Step 3. Click Submit.

2.11.3 Security Configuration

Step 1. Select System > Security Configuration, you will see Figure 2-38.

The screenshot shows a web interface for 'Security Configuration' with four tabs: Parameters, Security Configuration (selected), Upload, and Backup Restore. The configuration is divided into three sections:

- HTTPS:** Enable:
- Password Expiry Date:** Enable: This configuration is only valid for Admin and Portal. Client, Config, OS login account is not affected.
- Password Lock Setup:** Enable: Lock Duration: 600 s* Max Try Times: 5*

A note at the bottom states: 'This configuration is only valid for Admin and Portal. Client, Config, OS login account is not affected.'

Figure 2- 38

Step 2. Enable HTTPS, access web via https.

Step 3. Enable Password Expiry Date, once this date is reached, you must change password, otherwise, you cannot login.

Step 4. Enable Password Lock and set lock time, try times and duration. Once exceeding max try times, the password will be locked.

3 Add Organization and Login User

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

3.1 Add Organization

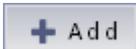
Before you add device, you need to add organization of current device. You can arrange, organize and manage layer of device in Org.

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 3-1.

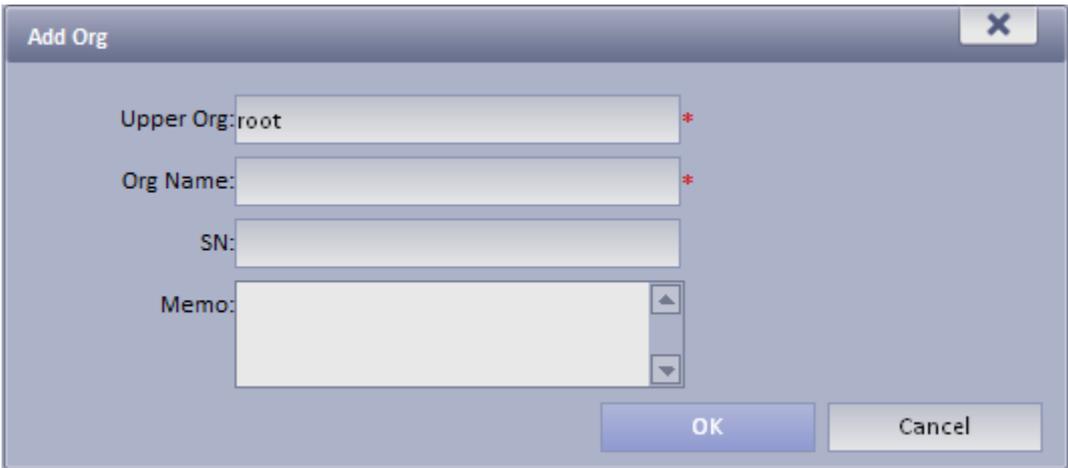
The image shows a dialog box titled "Add Org" with a close button (X) in the top right corner. It contains four input fields: "Upper Org:" with the value "root" and a red asterisk; "Org Name:" with a red asterisk; "SN:"; and "Memo:" with a text area and scroll arrows. At the bottom right, there are "OK" and "Cancel" buttons.

Figure 3-1

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 3-2.

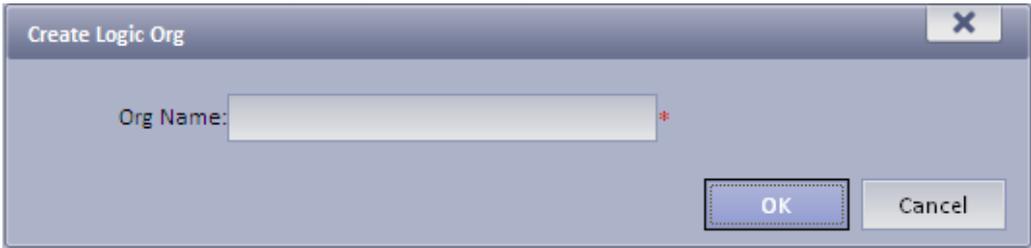
The image shows a dialog box titled "Create Logic Org" with a close button (X) in the top right corner. It contains one input field: "Org Name:" with a red asterisk. At the bottom right, there are "OK" and "Cancel" buttons.

Figure 3-2

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 3-3.

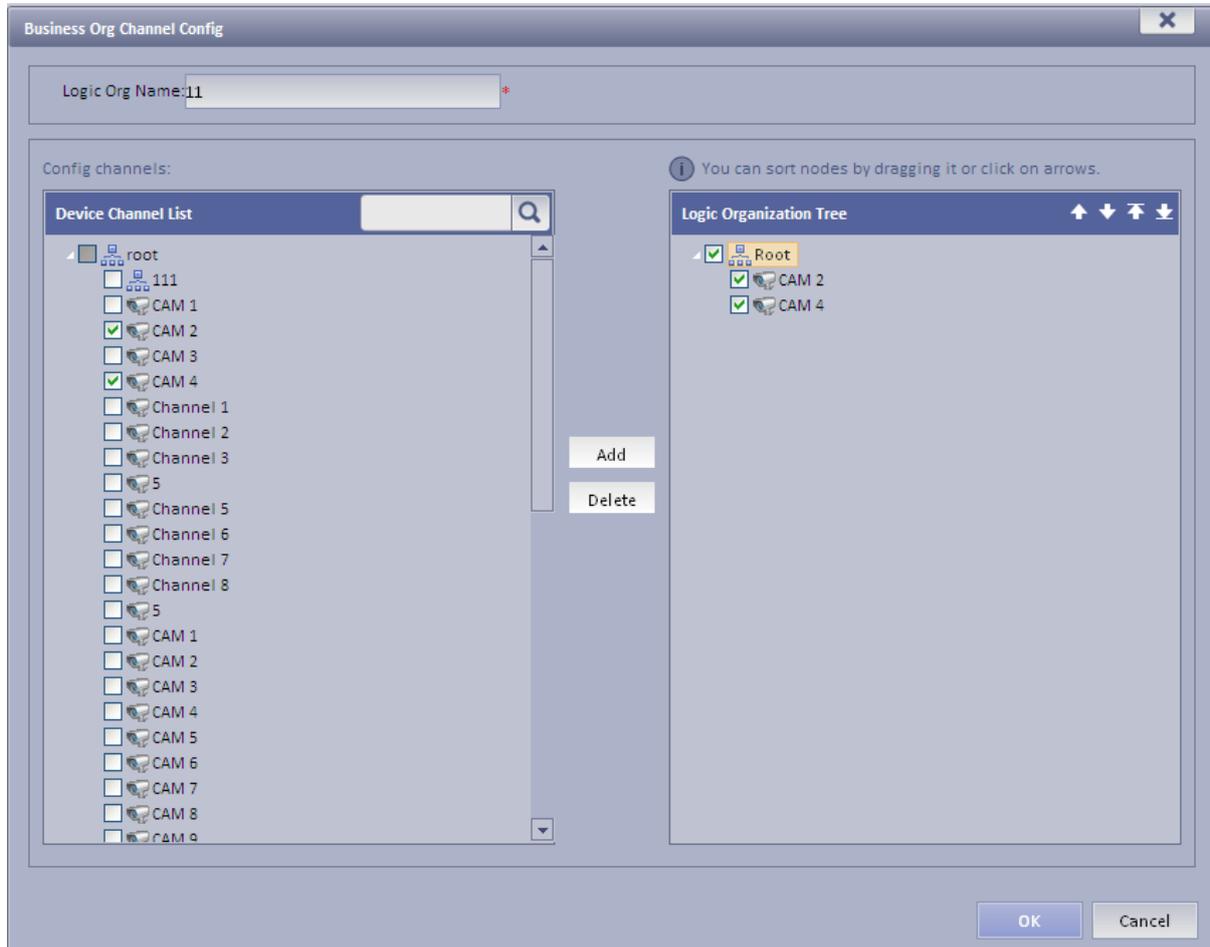


Figure 3-3

You can adjust channel selection via , ,  and .

3.2 Add User Role

INTIPSIPSRV 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 . 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 3-4.

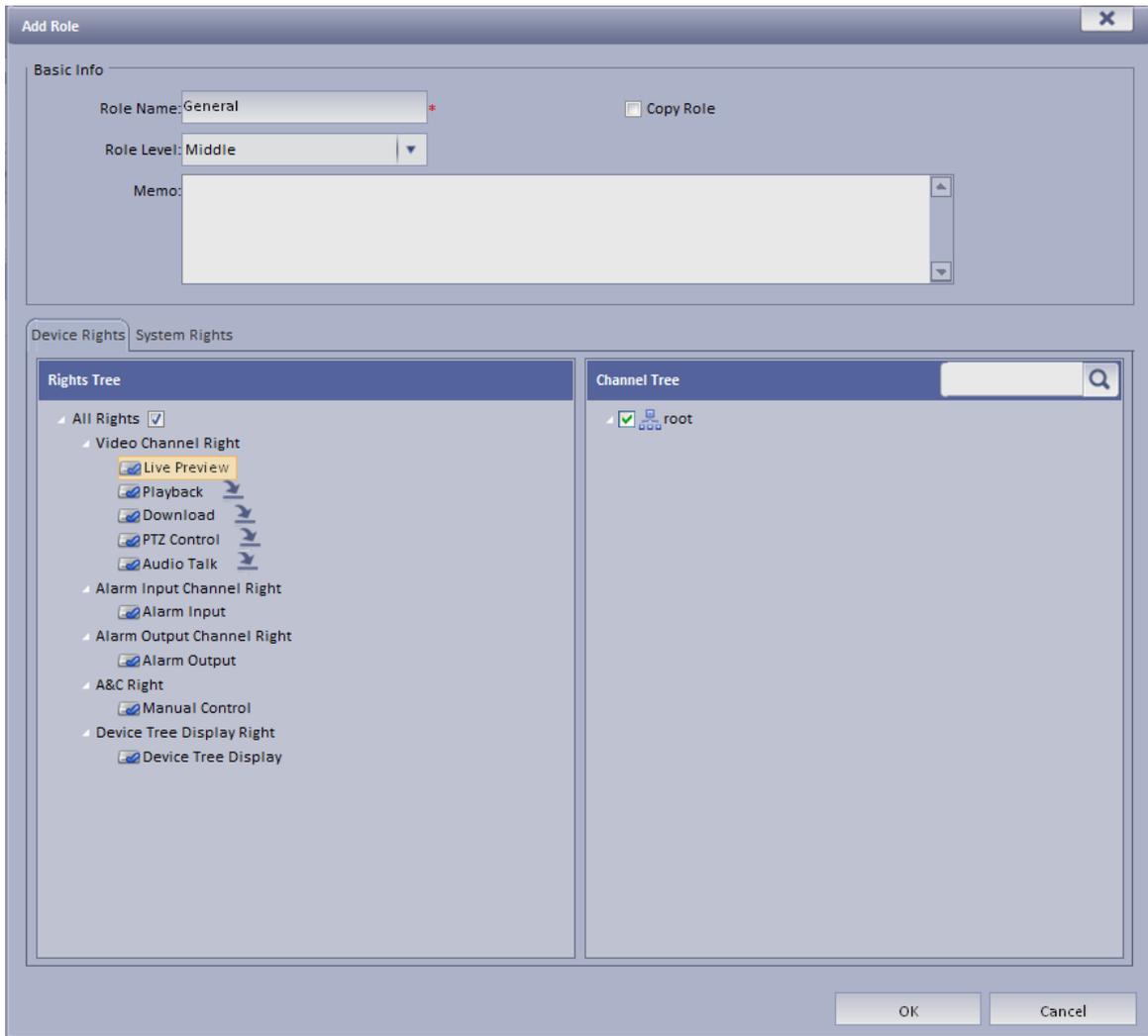


Figure 3-4

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 3-5.

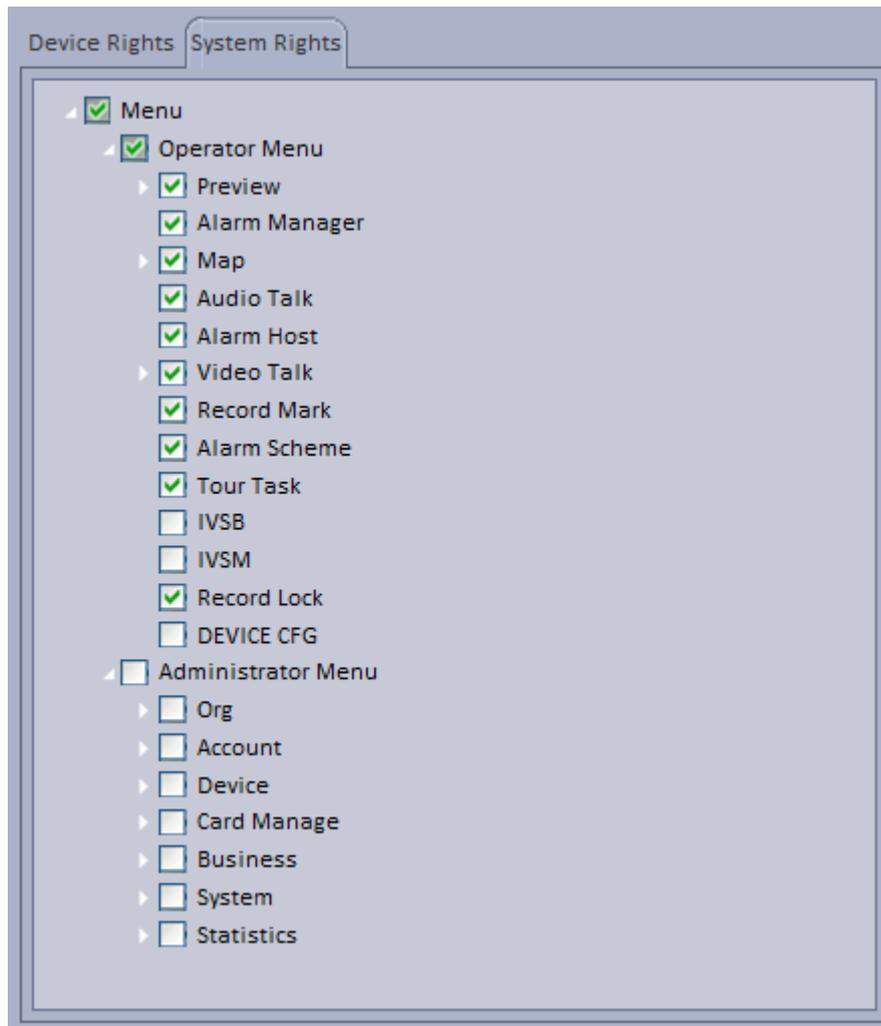


Figure 3-5

Step 7. Click OK to add the role.

3.3 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  Add. System pops up Add User box.

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

The image shows a software dialog box titled "Add User". It features a header bar with the title and a close button. The main area is divided into two sections: "Compulsive Info" and "Optional". The "Compulsive Info" section contains five text input fields: "Username:", "Organization: root", "New Password:", "Confirm:", and "Role:". Each of the first four fields has a red asterisk to its right, indicating they are required. The "Optional" section is currently collapsed, indicated by a downward arrow. At the bottom right of the dialog are "OK" and "Cancel" buttons.

Figure 3-6

Note:

- 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.

3.4 Mobile Phone User

In Mobile Phone User interface, you can view user signed up via mobile phone APP.

4 INTIPSIPSRV Client Installation and Login

4.1 Requirement for PC

To install VTSS5000, your PC shall match the following requirements. See Chart 4-1.

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 4-1

4.2 Install

Please follow these steps to install INTIPSIPSRV

Client: Step 1. Download and install the Client

- a) In Internet Explorer, input the IP address of INTIPSIPSRV. System displays login interface of INTIPSIPSRV Manager as in Figure 4-1.

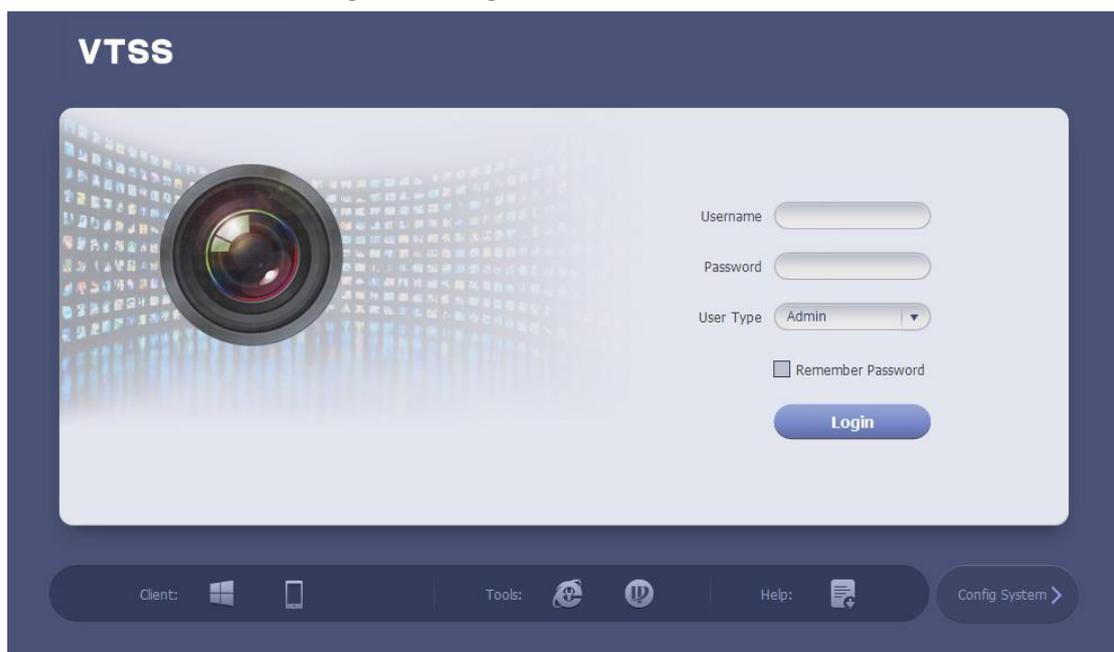


Figure 4-1

- b) Click  Download Client-end. System pops up a box.
- c) Click Save. Download and save INTIPSIPSRV Client to local PC.
- Step 2. Install the Client, check Run VTSS5000Client, see Figure 4-2.

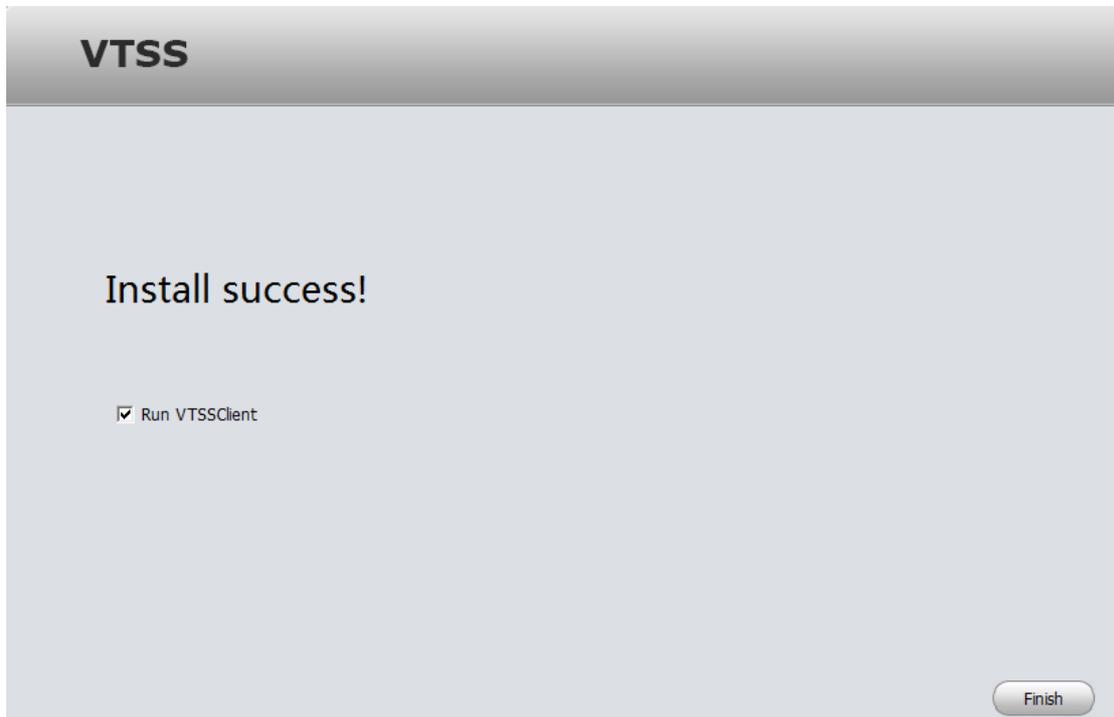


Figure 4-2

4.3 Login

INTIPSIPSRV Client interface is shown in Figure 4-3.

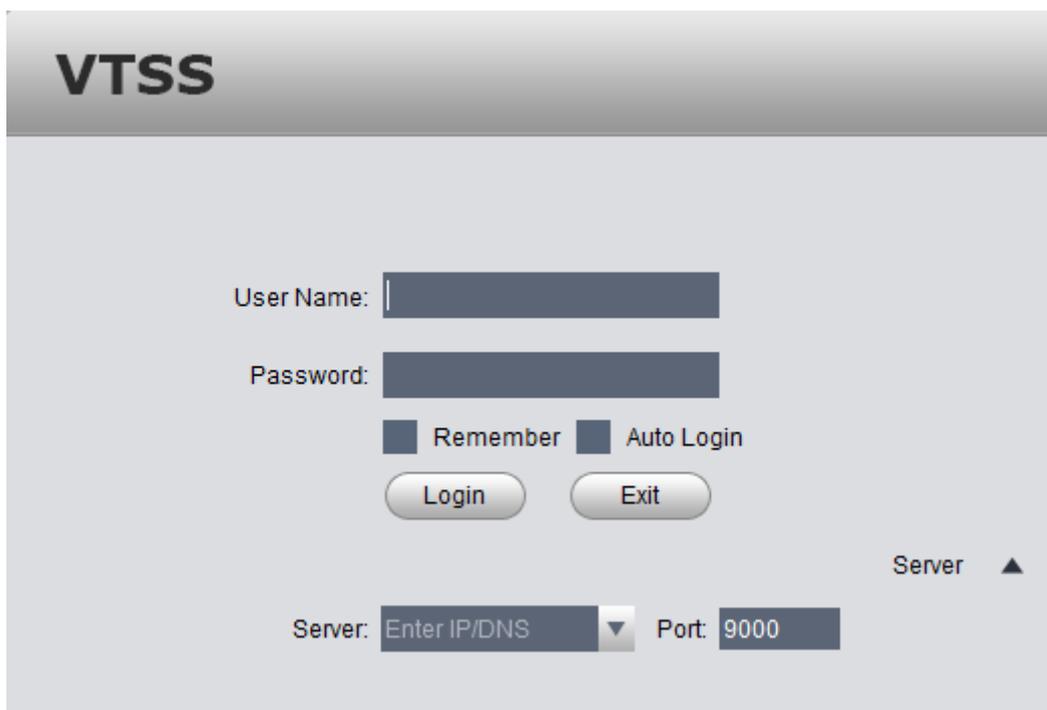


Figure 4-3

Step 1. Input Username and Password.

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

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

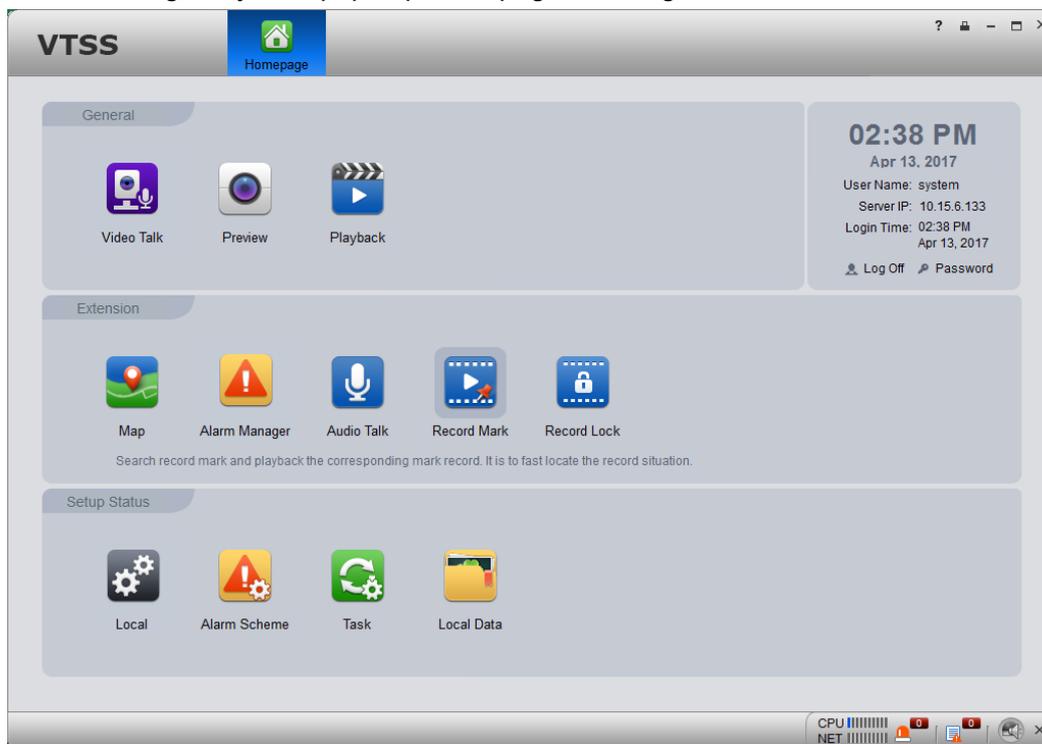


Figure 4-4

- 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.

4.4 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 4-5.

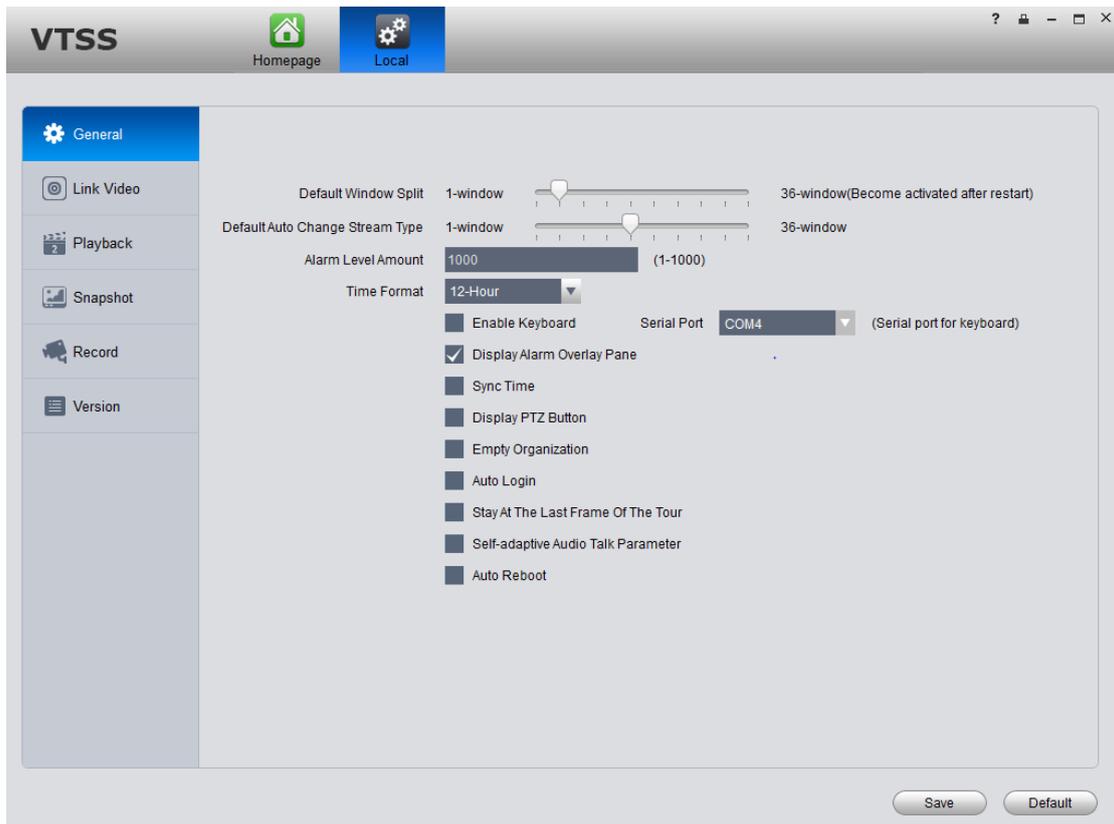


Figure 4-5

Parameter		Note
General	Default Window Split	Set preview, playback and others' default display modes.
	Default Self-adaptive Stream	i.e.: Select 4-split when window plays more than 4-split, it will switch to sub stream from main stream.
	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.

Parameter		Note
	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. <p>Step 1.  : Prompt alarm device</p>
	Sync Time	<p>Respond sync time or not:</p> <ul style="list-style-type: none"> Check: sync server time by Client. <p>Step 1. Not check: Do not sync server time.</p>
	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.
	Auto Reboot	If you select this parameter, when PC boots up, the client boots up automatically.
Video	Connection Type	Request video mode.

Parameter		Note
	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: Manual, 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.
	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
	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.

Parameter		Note
	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.
	Query Record Time Out	Set record search overtime time.
Version		View version info of the software.

Chart 4-2

Step 2. Set General, Video, Playback, Snapshot and Record info.

Step 3. Click Save.

5 Live Preview

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

5.1 Video Preview for General Encoding Device

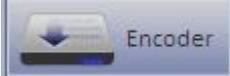
5.1.1 Manually Add

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

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

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

Step 2. If you click Add in Device interface, then you need to select device category first. Such as encoder, decoder, video wall. You also can add separately by clicking each device category tab.

Step 3. Click . The image shows a button with a blue arrow pointing down and the word "Encoder" next to it.

Step 4. Click . The image shows a button with a plus sign and the word "Add" next to it. System displays Add Encoder box, see Figure 5-1.

Step 5. Enter IP address, device name and click Add. See Figure 5-2.

Step 6. Select device type, enter video channel, alarm input and output channel.

The 'Add Encoder' dialog box is divided into three main sections:

- Input Info:** Contains fields for 'Add Type' (set to 'IP Address'), 'Manufacturer' (set to 'DAHUA'), 'Video Server' (set to 'Center Server'), 'Username' (set to 'admin'), 'IP Address', 'Device Port' (set to '37777'), 'Password' (masked with dots), and 'Org' (set to 'root'). A 'Getting Info' button is located below these fields.
- Device Details:** Contains fields for 'Device Name', 'Device SN', 'Device Type' (set to 'DVR'), and 'Device Memo' (a text area).
- Video Channel:** This section is currently selected and shows 'Channel Amount' (with a red asterisk), 'Bit Stream' (set to 'Sub Stream'), and two checkboxes: 'Zero Channel Code' and 'Device Gateway'.

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

Figure 5-1

This screenshot shows a zoomed-in view of the 'Device Details' section of the 'Add Encoder' dialog box. It includes the following fields:

- 'Device Type' dropdown menu set to 'DVR'.
- 'Device SN' text input field.
- 'Video Channel' text input field containing the number '1' and a red asterisk.
- 'Alarm Input Channel' text input field.
- 'Alarm Output Channel' text input field.

At the bottom, there are 'Add More' and 'OK' buttons.

Figure 5-2

Parameter	Note
Add Type	<p>You can add device via the following methods:</p> <ul style="list-style-type: none"> IP Address: If the device has static IP address, you can add

Parameter	Note
	<p>device with its IP address.</p> <ul style="list-style-type: none"> ● 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	<p>System supports to add device types including: DVR, IPC, NVS, MDVR, NVR, Smart NVR, MPT3000, EVS, Smart IPC, VIT.</p>
Zero Channel Code	<p>Combine multiple windows into one channel transmission.</p>
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>

Chart 5-1

Step 7. Click OK as finishing adding encoder.

If you want to continue adding encoder, please click Add More.

5.1.2 Auto Search Encoder

Channel in the same LAN with platform server can use Auto Search function to add.

Step 1. In Device interface, select one organization node.

Step 2. Click . See Figure 5-3.

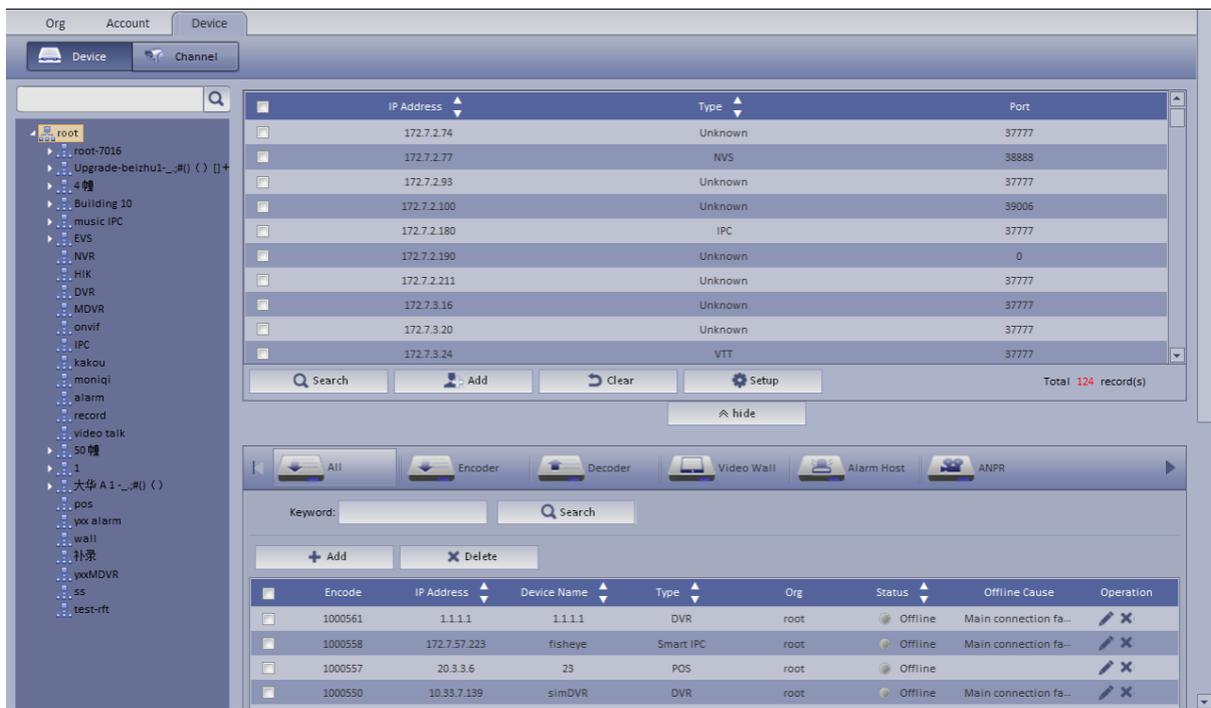


Figure 5-3

Step 3. Click , you can re-config IP segment and click Search to search all devices within this IP range.

Step 4. Check device you want to add and click . See Figure 5-4

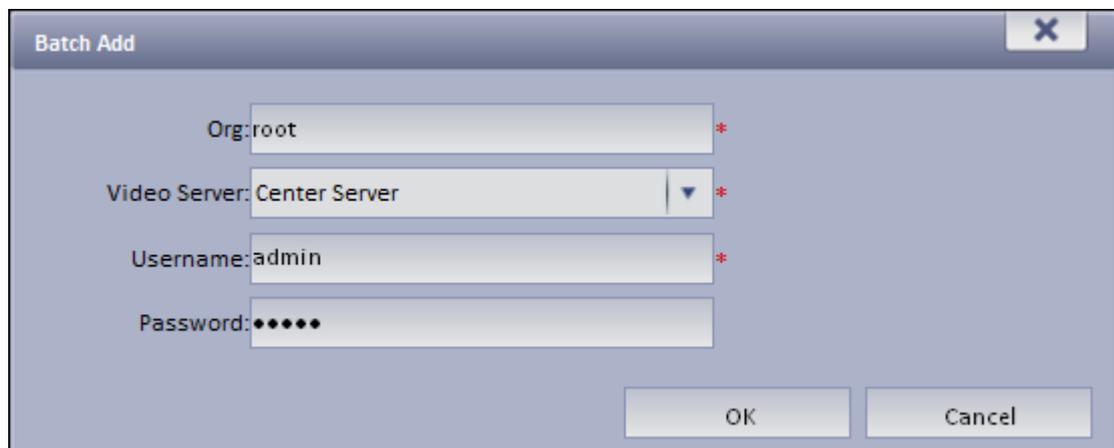


Figure 5-4

Step 5. Select Org, video server, enter username and password. Username and password are device login username and password, which shall both be “admin” by default.

Step 6. Click OK. System adds the device into corresponding organization.

5.2 Preview

Step 1. Login INTIPSIPSRV Client.



Step 2. Click  in Basic area. System shows Live Preview interface.

Step 3. 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 5-5.

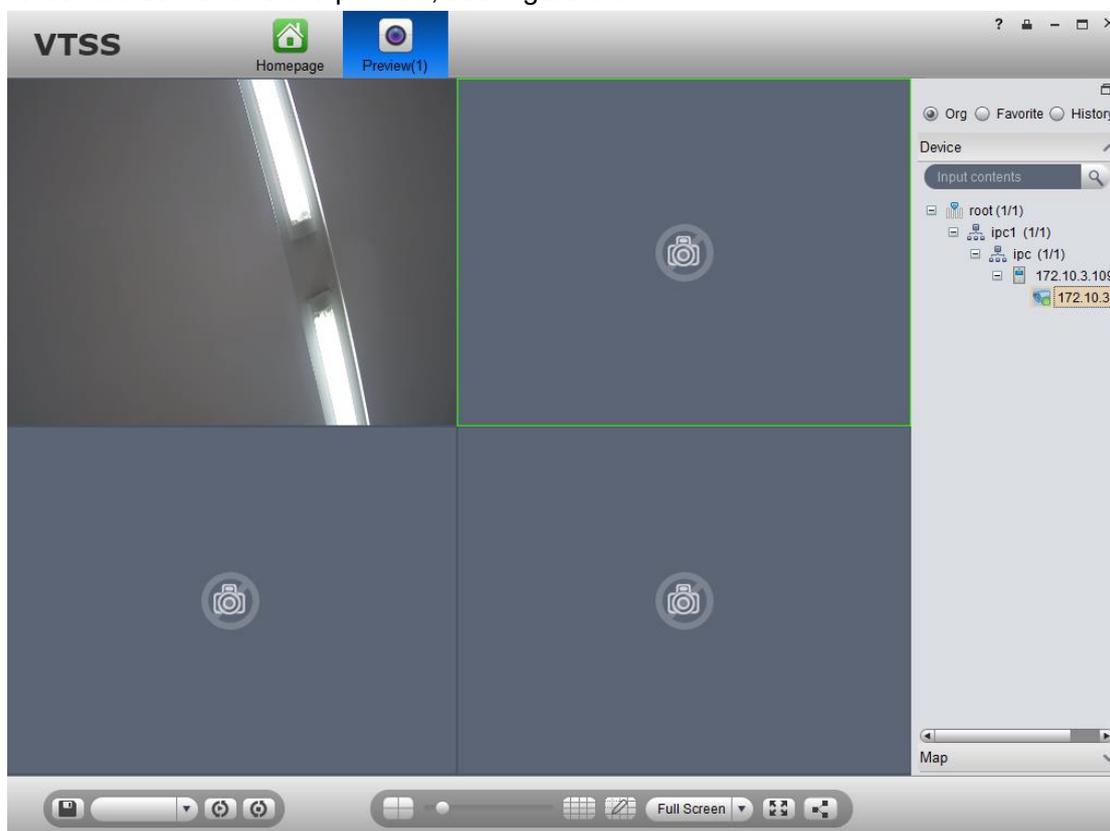


Figure 5-5

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.

5.3 Device Tree Pop-up

Click , see Figure 5-.

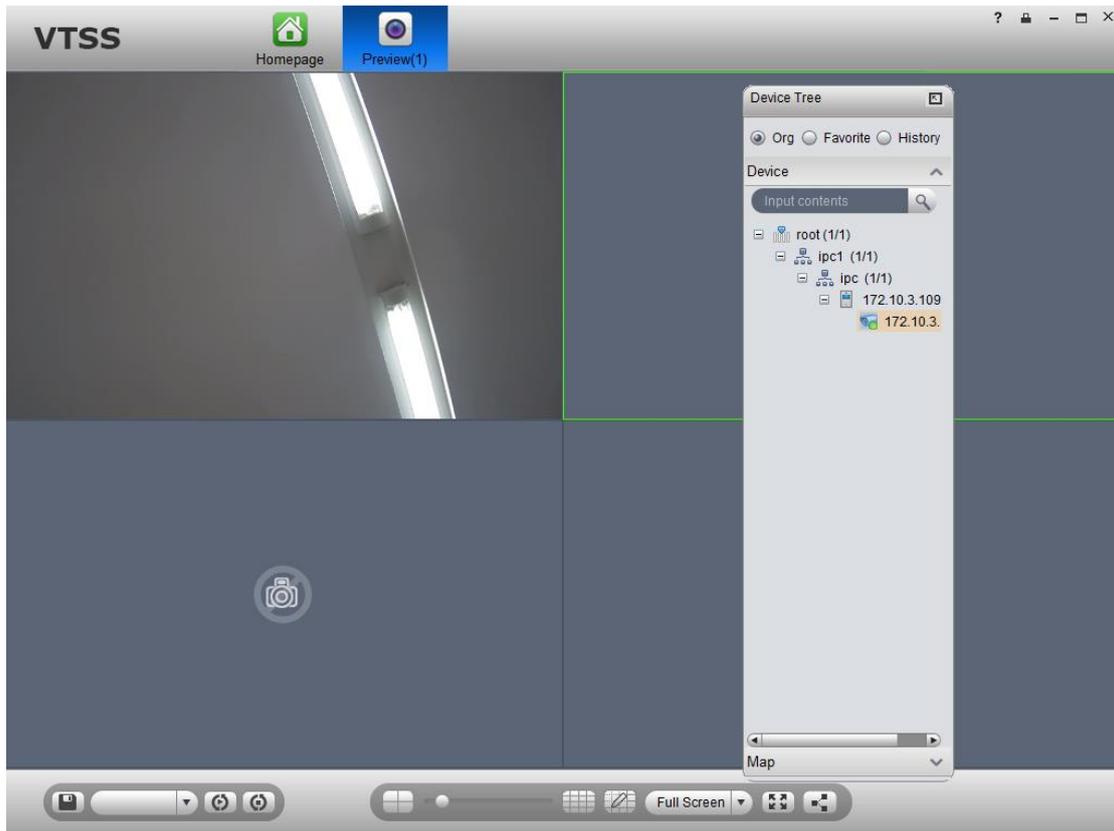


Figure 5-6

After device tree pops up, you can freely move position, and click  to restore, or drag device tree to left or right side of client.

5.4 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 5-.

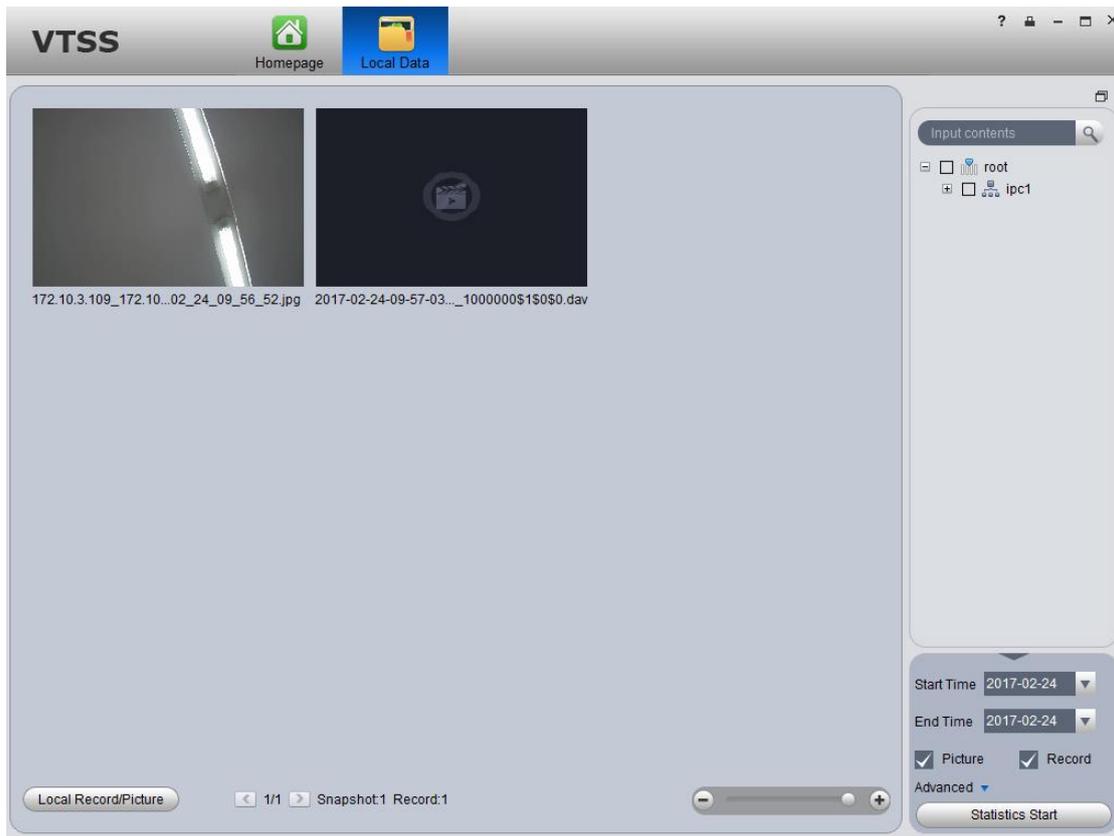


Figure 5-7

- 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.

5.5 Tour Task

5.5.1 Tour Task

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



- Step 1. Click  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 5-.

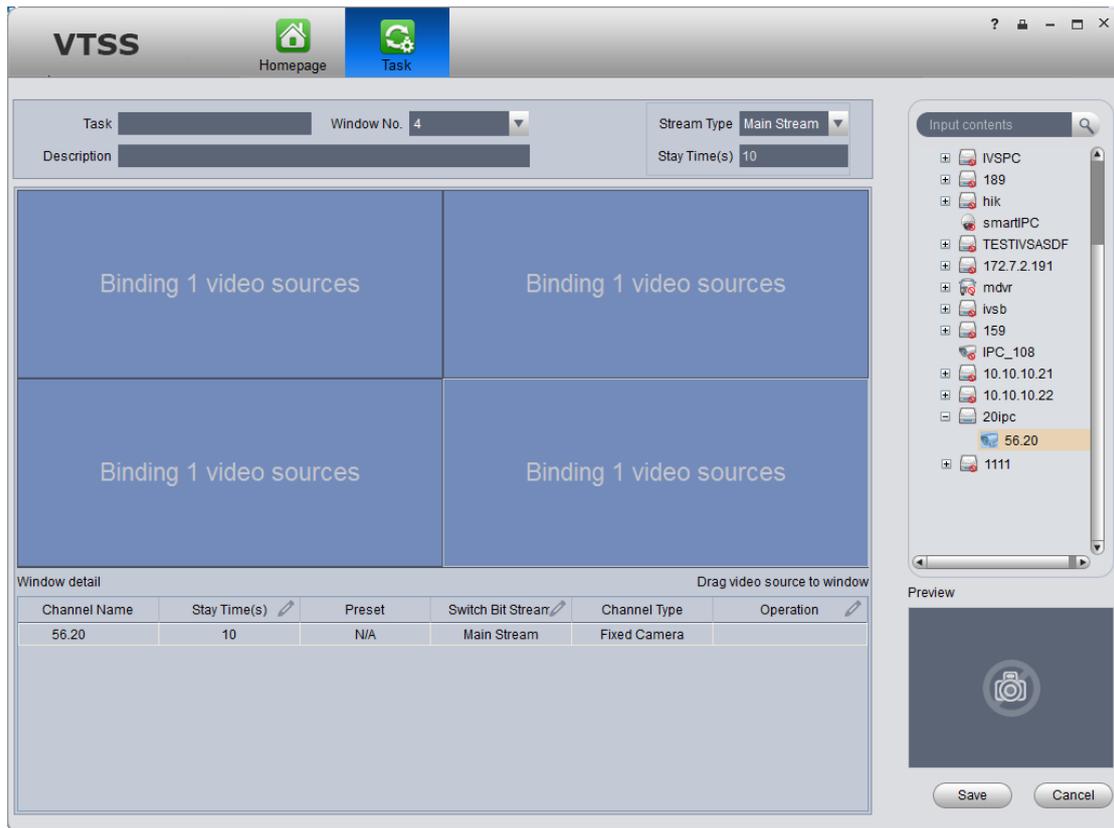


Figure 5-8

- 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 5-.

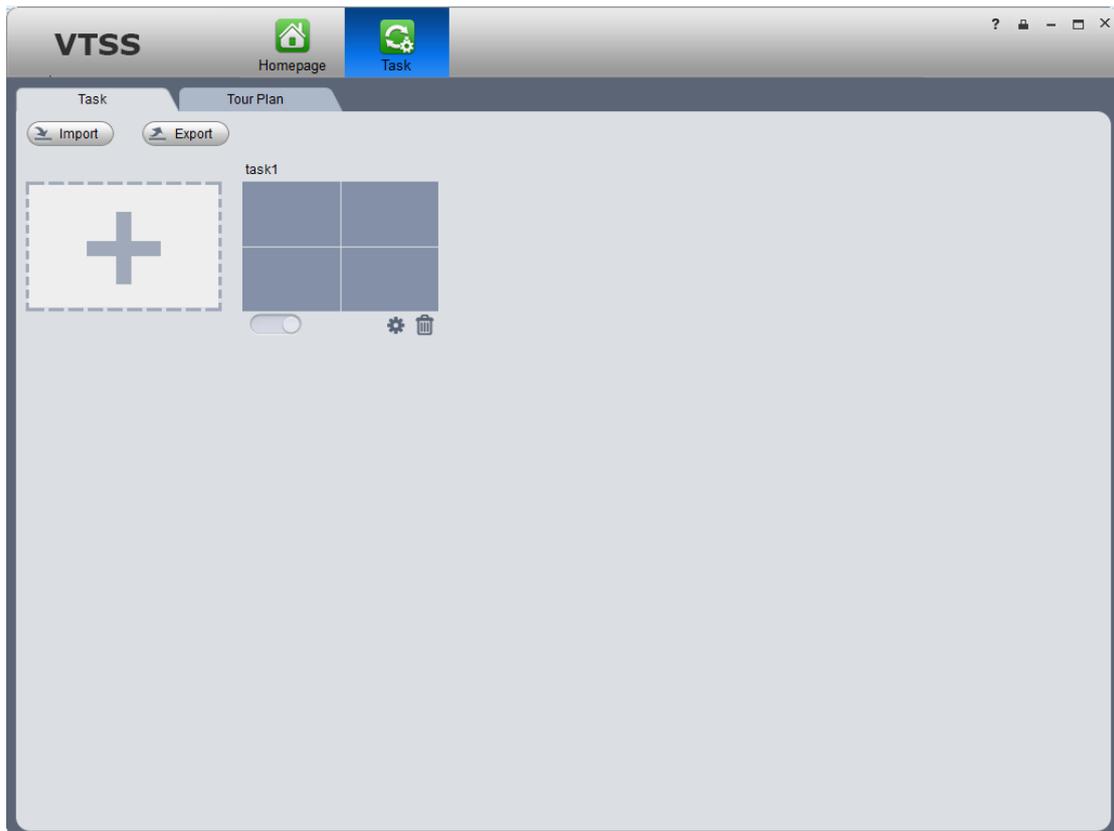


Figure 5-9

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.

5.5.2 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 5-.

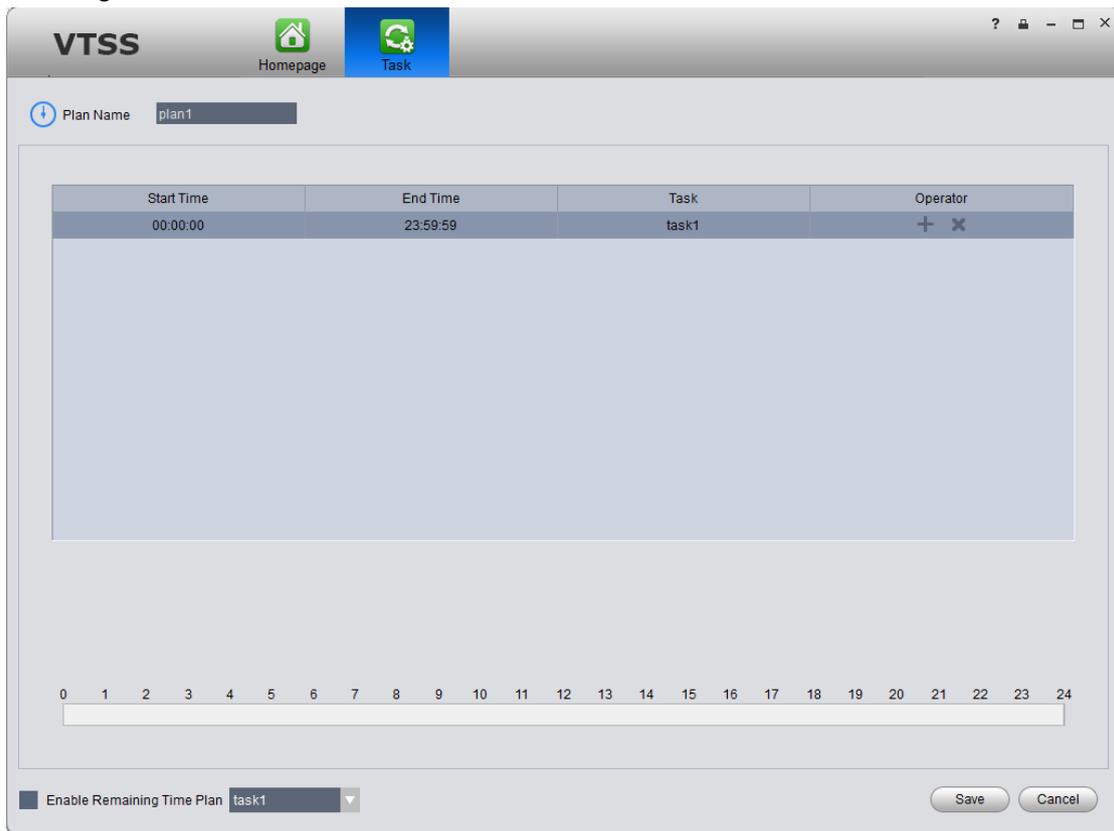


Figure 5-10

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 Remaining 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 5-.

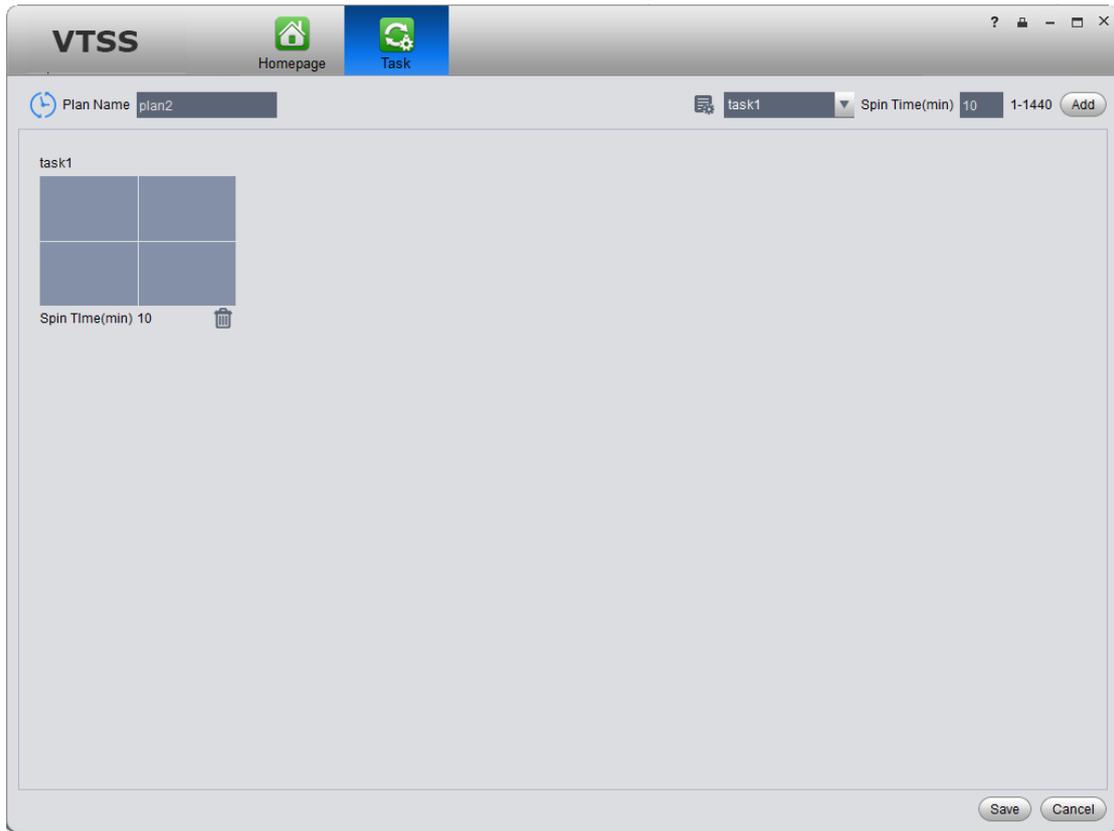


Figure 5-11

2. Click Save.
See Figure 5-

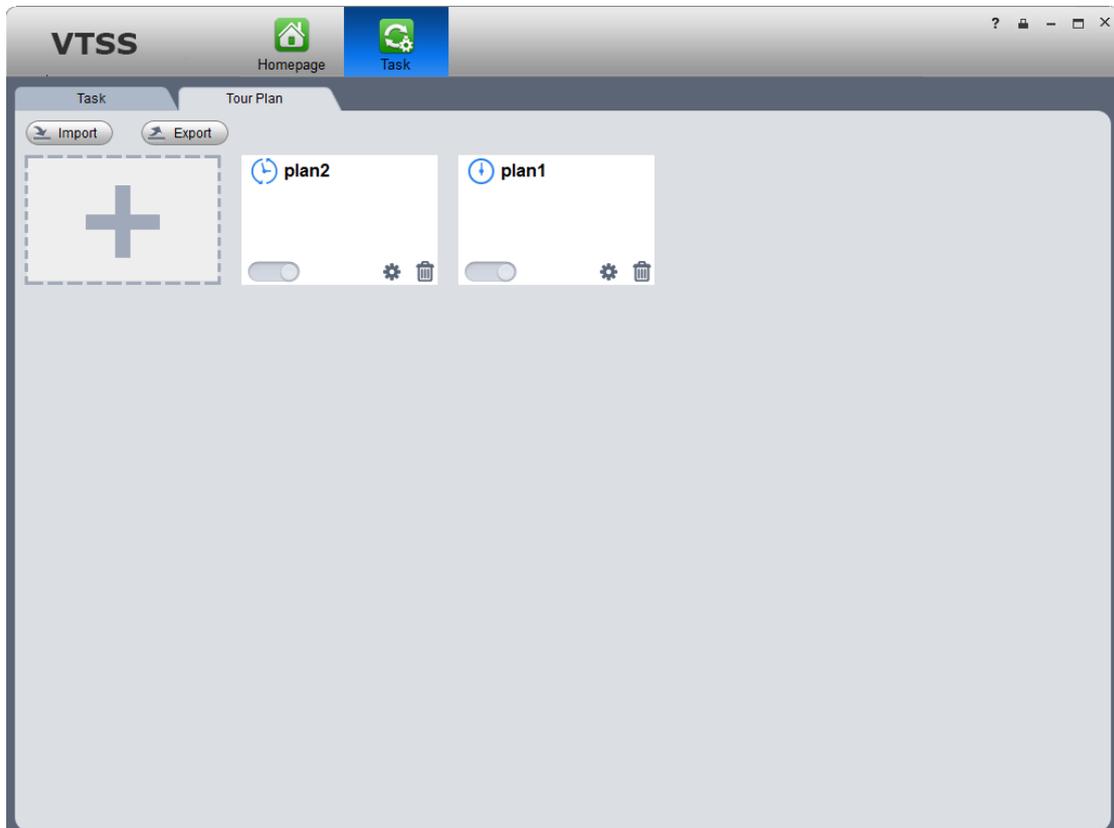
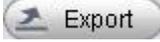


Figure 5-12

Click  to import existing plan. Click  to export plan.

5.6 PTZ

If device type is speed dome, then you can click PTZ tab in the interface to set PTZ as in Figure 5-.



Figure 5-13

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.

Parameter	Note
	Partial zoom for zoom in/out of certain area. Note: This function can only be controller with mouse.
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.
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 5-.

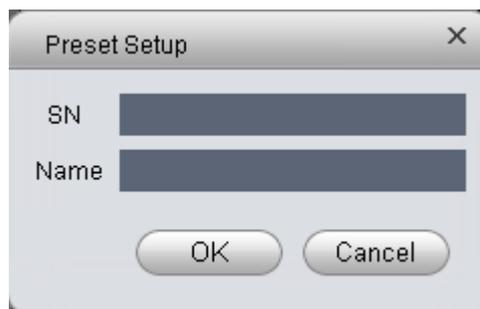


Figure 5-14

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 5-.

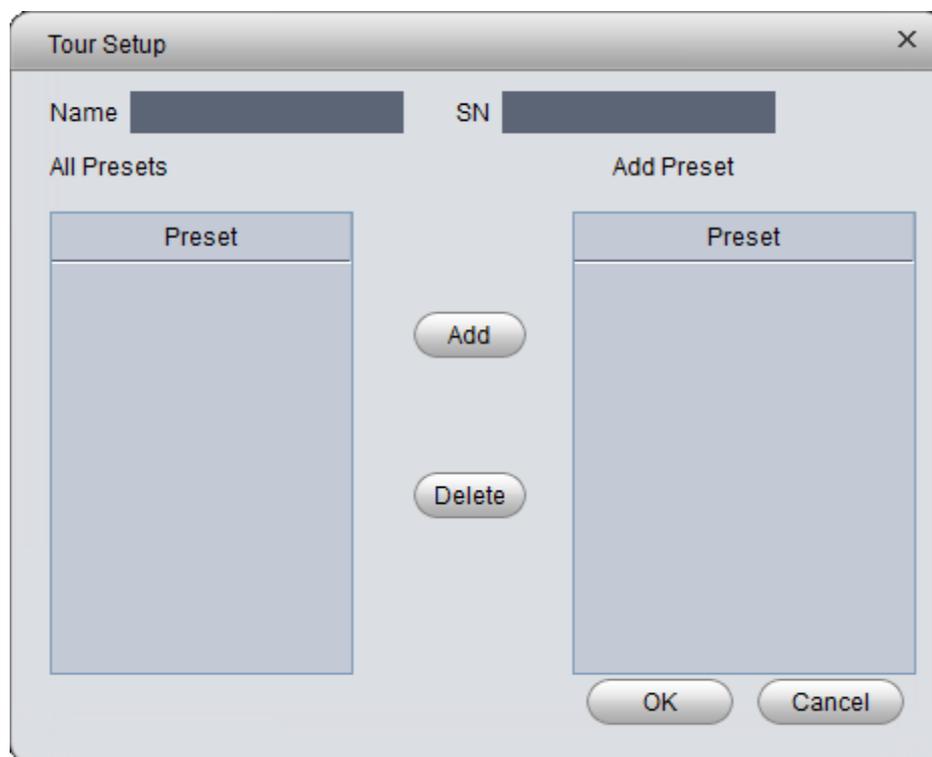


Figure 5-15

-  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 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 INTIPSIPSRV 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.

6.1 Configure Storage Plan

6.1.1 Time Template

- Step 1. Login INTIPSIPSRV Manager.
- Step 2. Select Business>Time Template.
- Step 3. Click Add. See Figure 6-1.

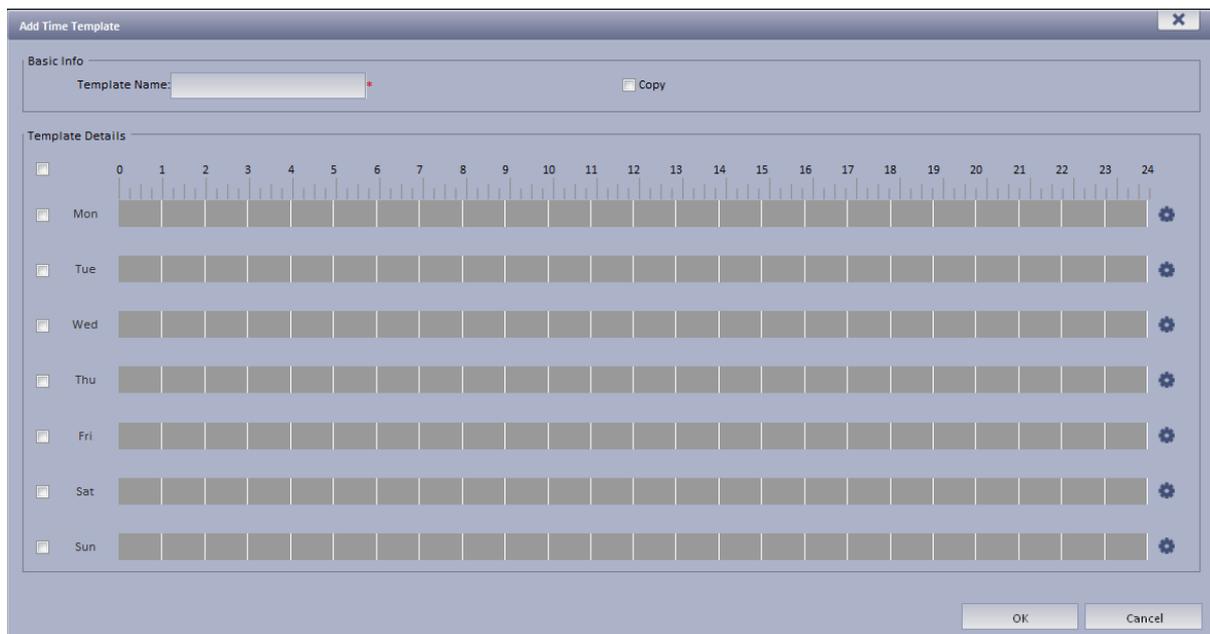


Figure 6-1

- Step 4. Enter template name, use mouse to draw period, as well as you can click . System pops up period setup box, see Figure 6-2.

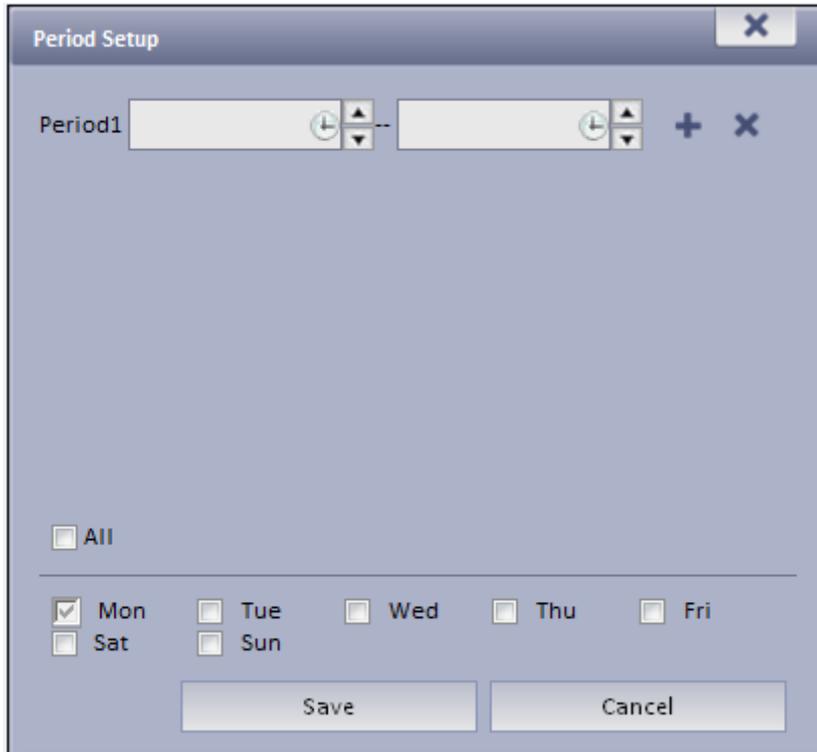


Figure 6-2

Step 5. Click Save. See Figure 6-3.

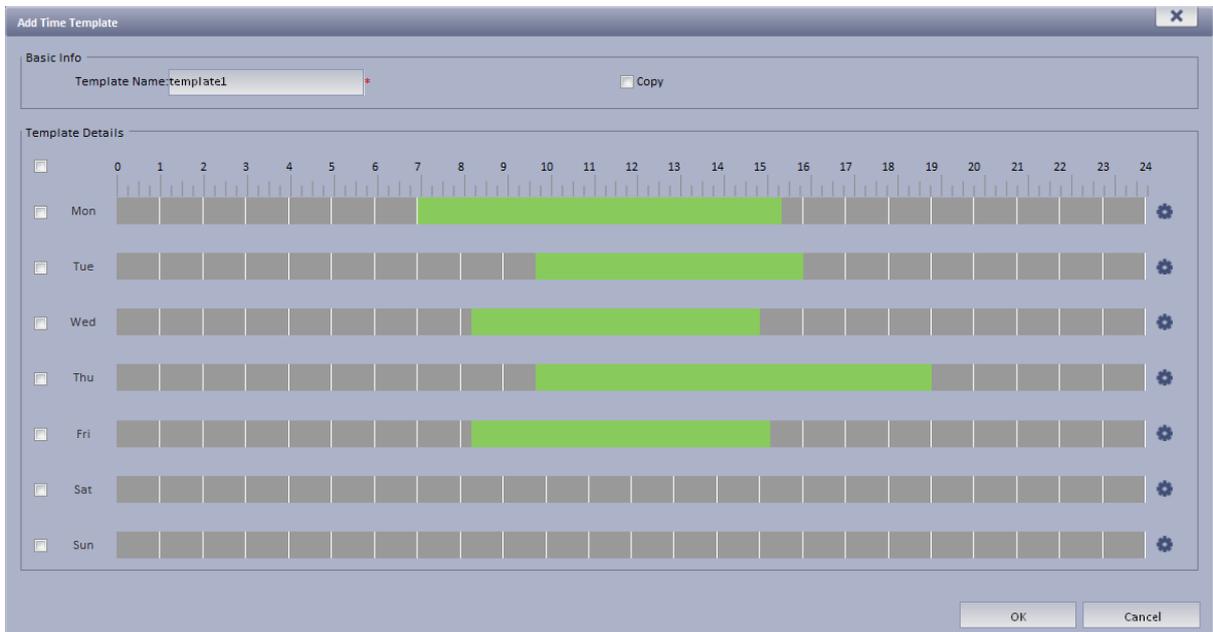


Figure 6-3

Note:

If you select Copy next to template name, and in dropdown list select existing template, then you can copy info in existing template into this template.

6.1.2 Storage Config

6.1.2.1 Add Normal Plan

Step 1. Select Business>Storage. System displays Storage interface as in Figure 6-4.

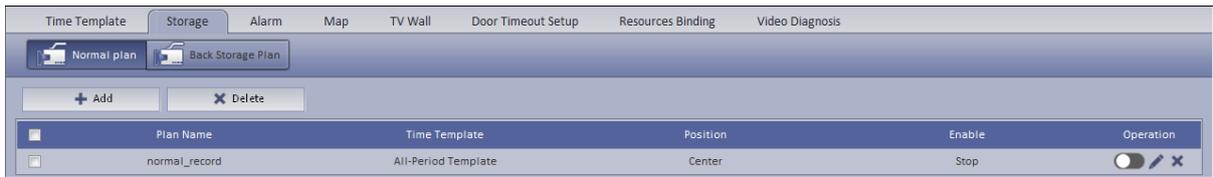
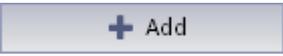


Figure 6-4

Step 2. Click . System pops a Add Time Template box. See Figure 6-5.

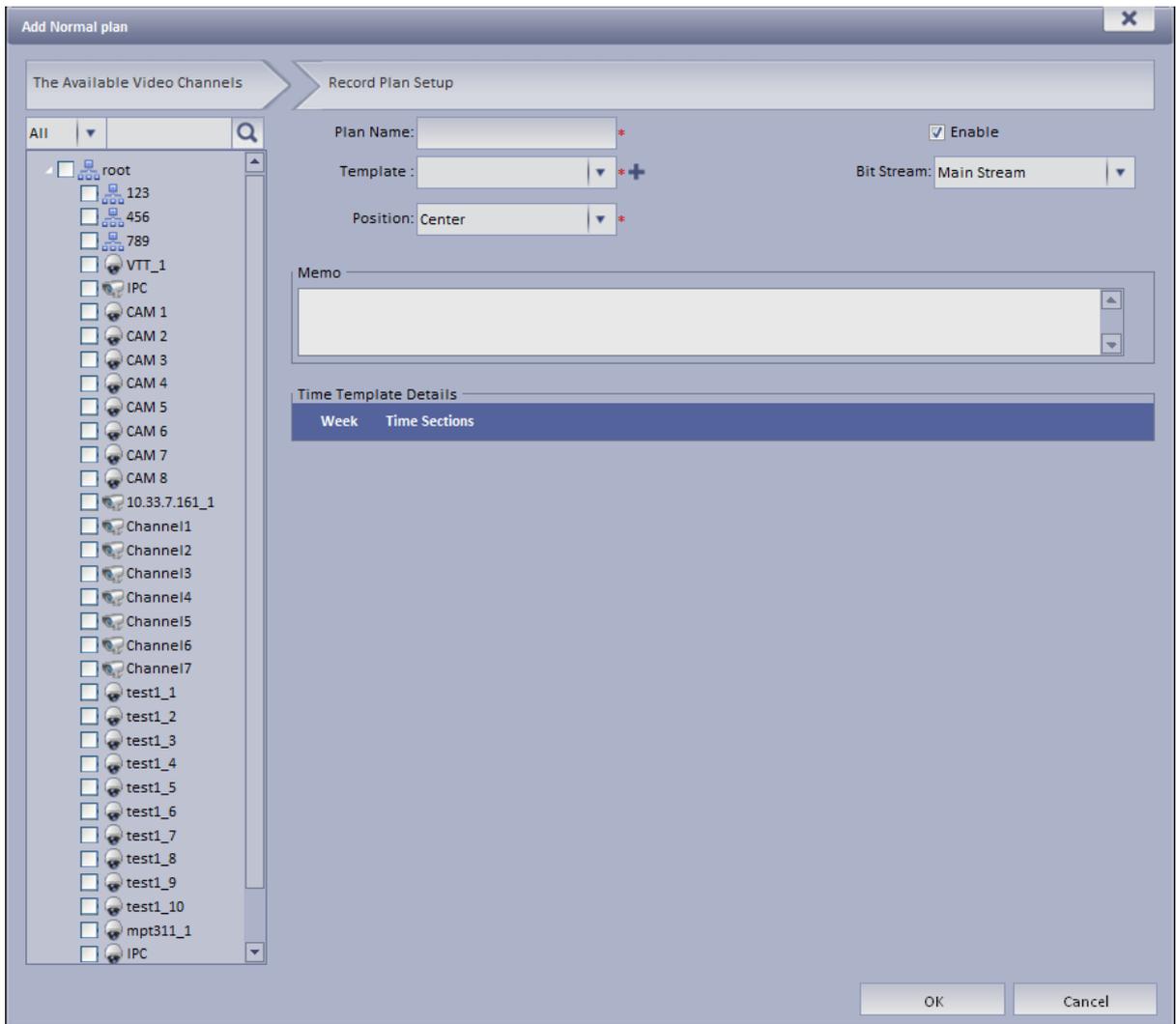


Figure 6-5

Step 3. Select channel on the left Input Plan Name, and select Template, Bit Stream. Check Normal plan. See Figure 6-6.

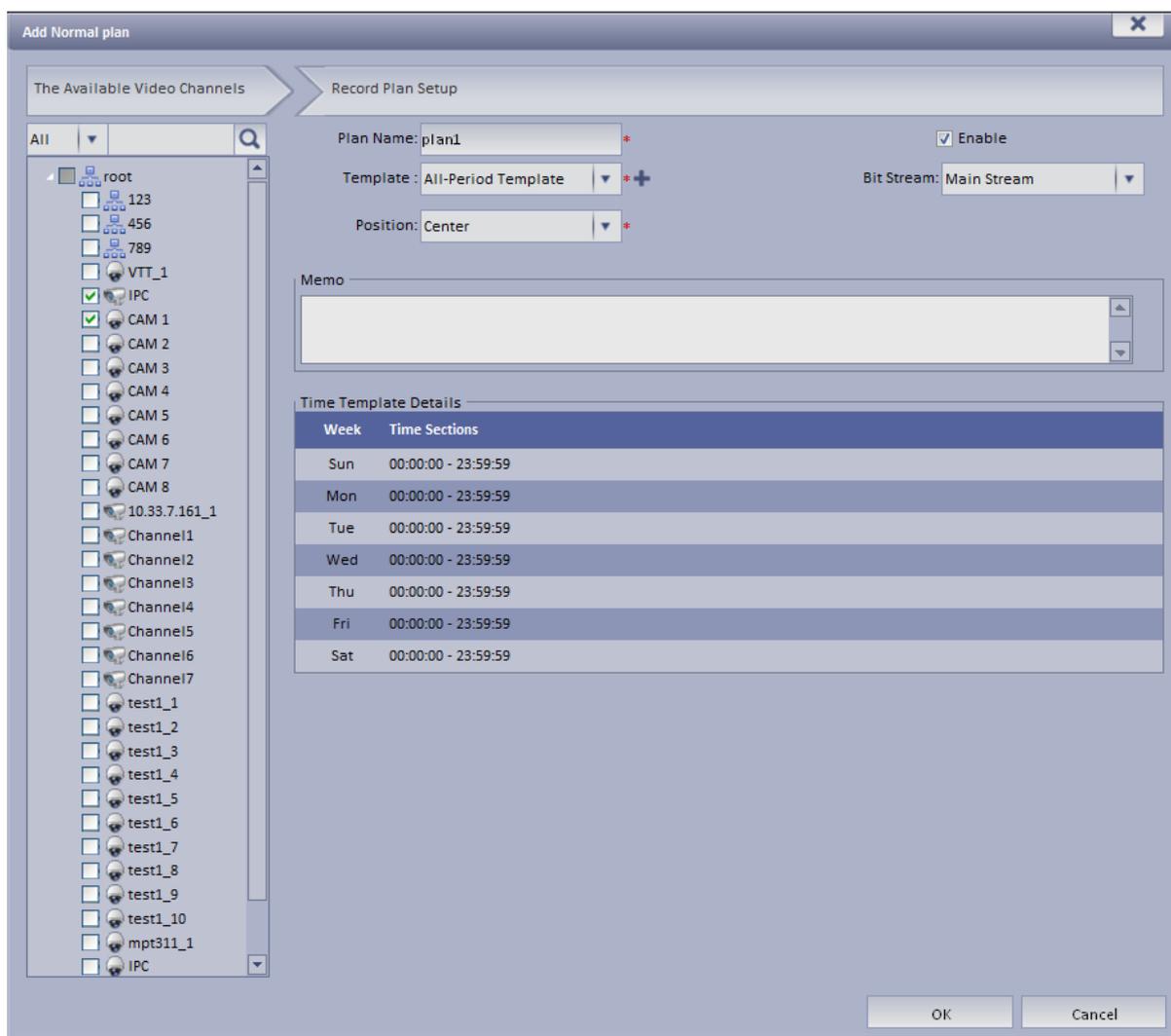


Figure 6-6

Note:

For EVS device front channel, in record plan, for storage position, you can select center (store on center server) or local (store on EVS-carried disk).

Step 4. Click OK. System displays configured normal plan.

6.1.2.2 Add Back Storage Plan

The system supports back up record of the previous 3 days.

Step 1. Click Back Storage Plan tab.

Step 2. Click Add.

Step 3. In device tree on the left, enter plan name, select time template, condition, see Figure 6-7.

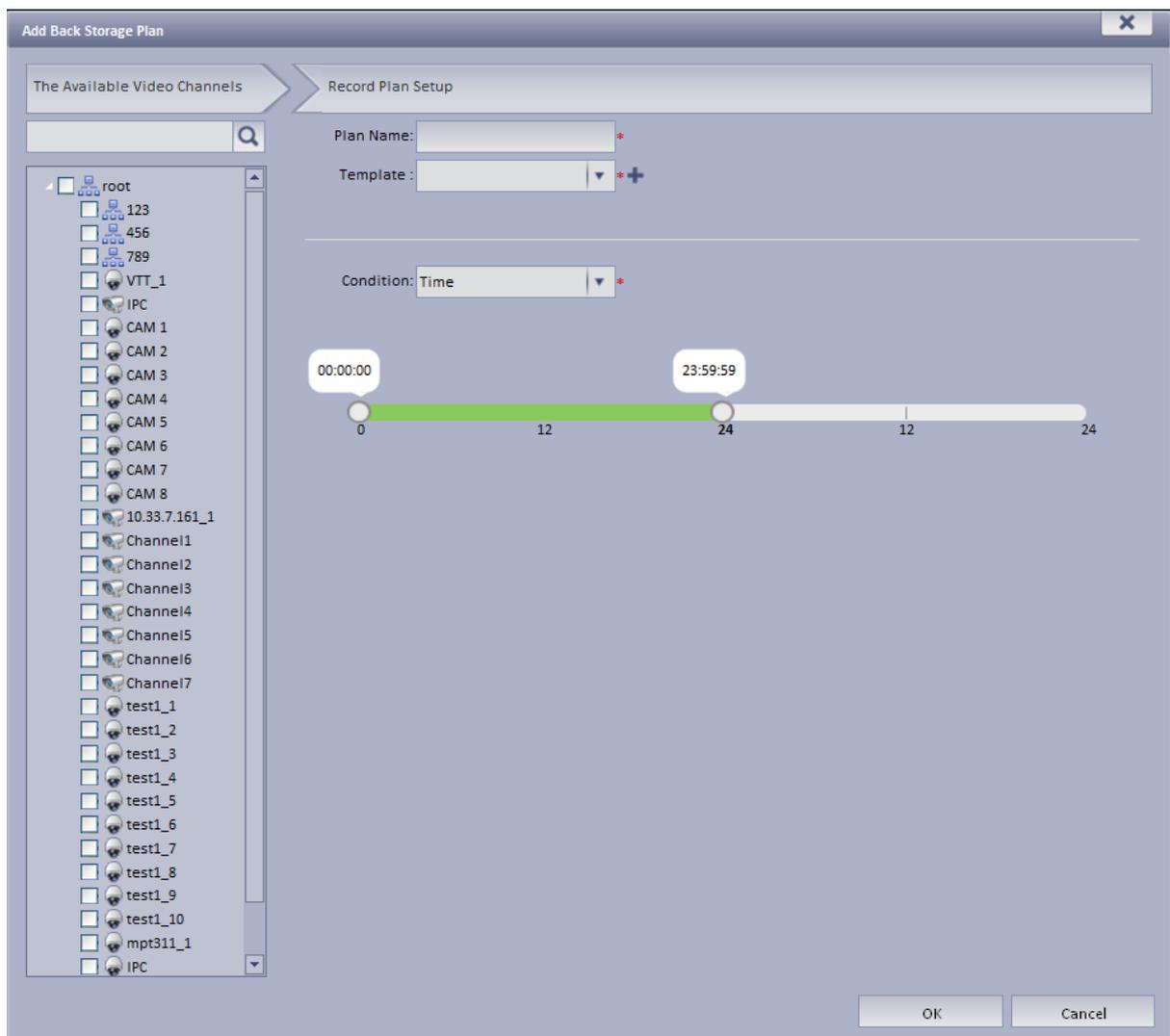


Figure 6-7

Note:

For condition, you can select time, WIFI. If you select time, set back up record time, and when the time is reached, you can back up record. If you select WIFI, when the device connects WIFI, it will auto back up record.

Step 4. Click OK.

6.2 Playback

6.2.1 Playback



Step 1. Open INTIPSIPSRV Client. In Basic area, click . 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 6-.

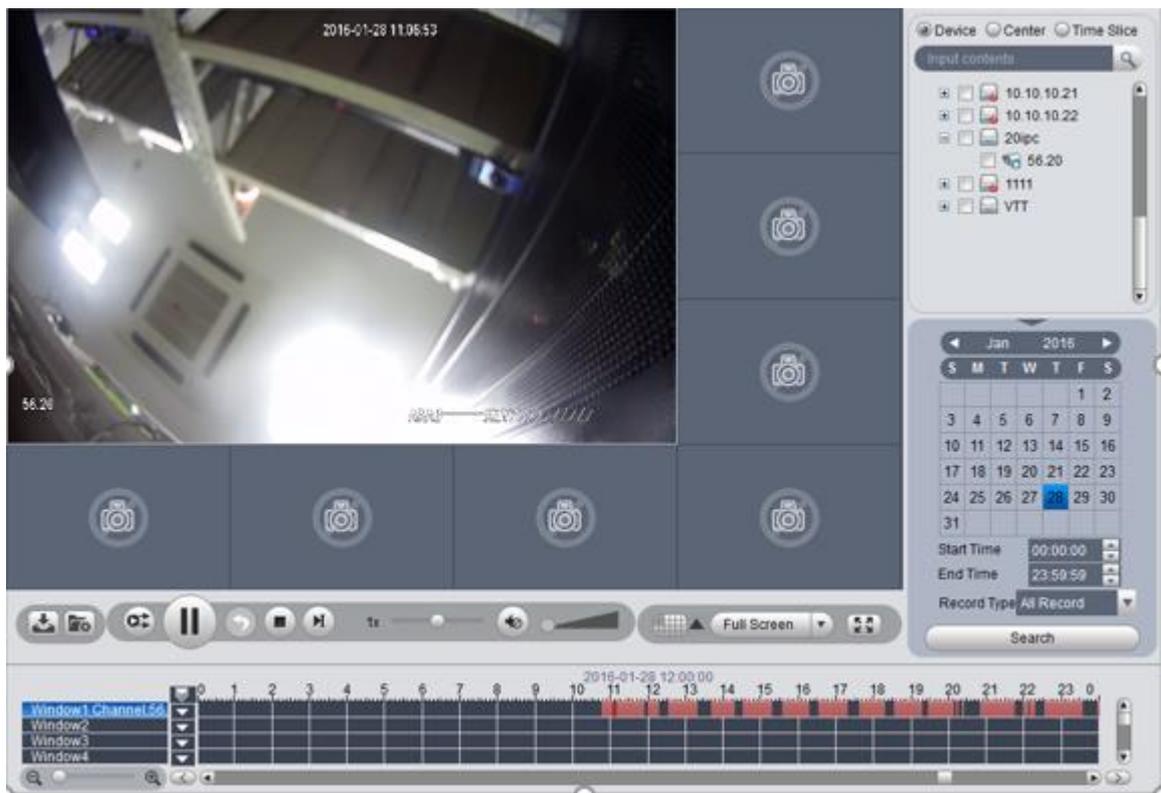


Figure 6-8

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

Step 6. Right click playback window, select "Playback on Wall". System pops up "TV Wall Channel" box, decode via decoder and output to wall.

Note:

Playback now supports decoders as M60, M70 and NVD.

See Figure 6-.

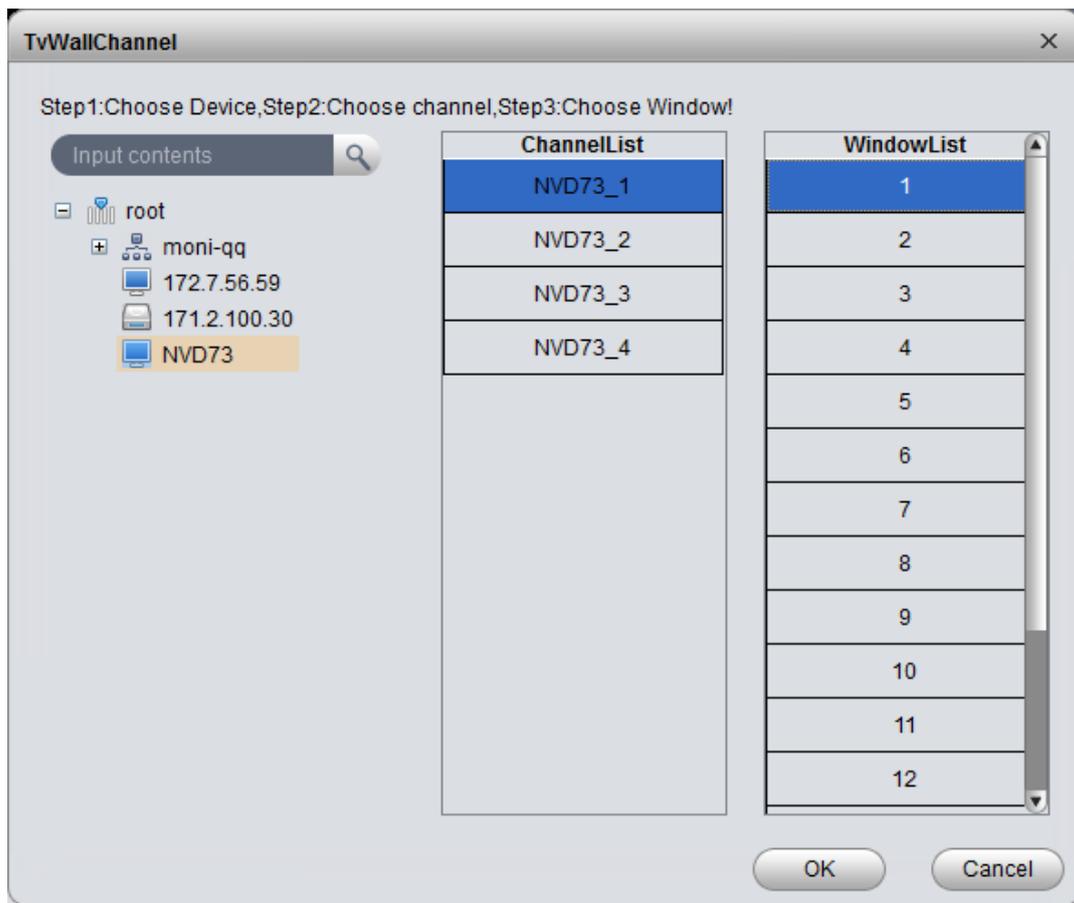


Figure 6-9

6.2.2 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 6-.

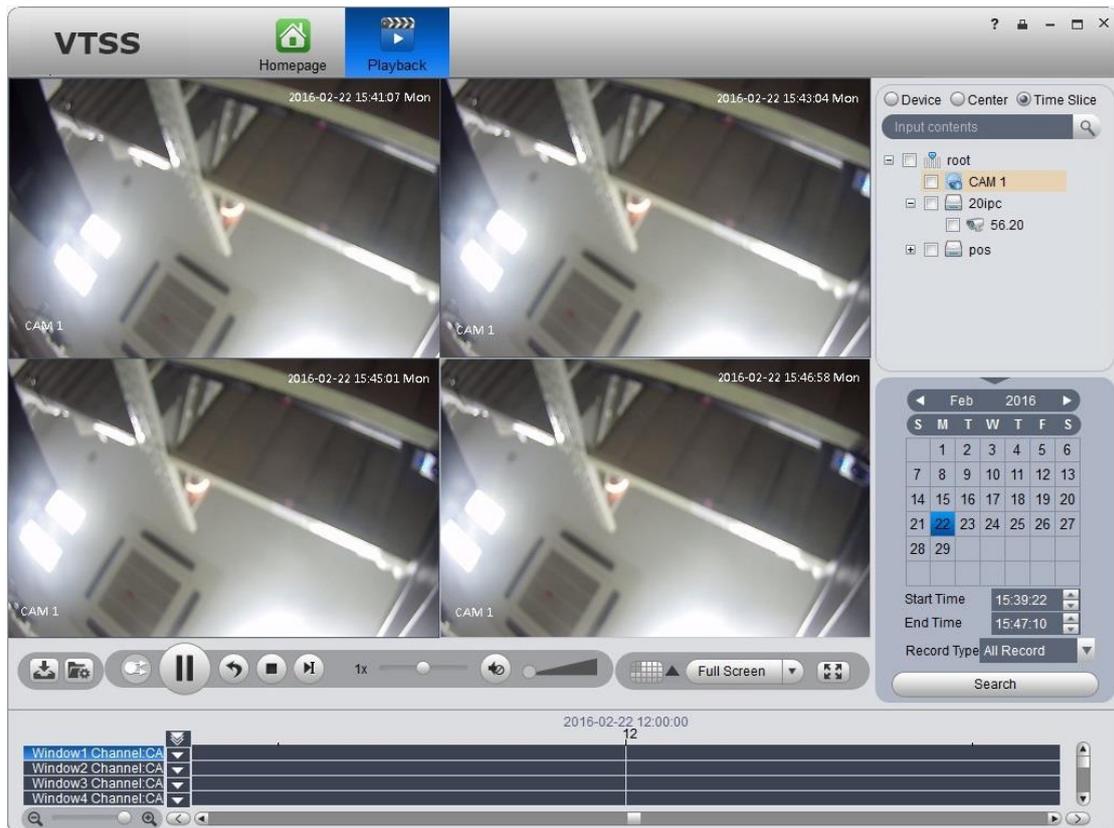


Figure 6-10

6.2.3 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 6-11

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 6-.

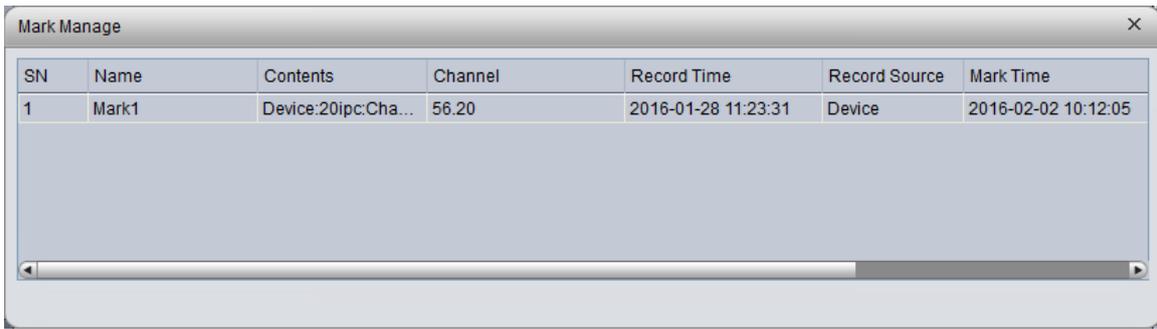


Figure 6-12

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 6-. Click , you can play marked record file.



Figure 6-13

INTIPSIPSRV 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 6.2.3.

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 6-.

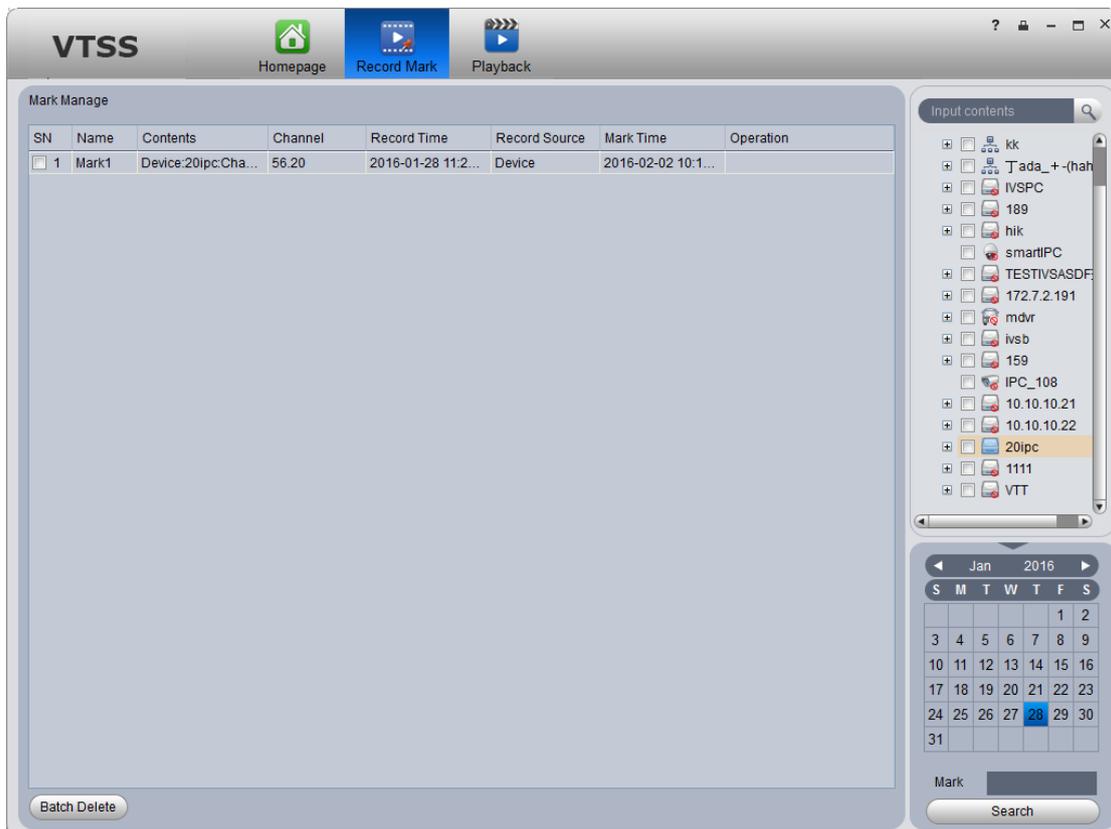


Figure 6-14

- Step 4. Check multiple marked records, and click  to delete checked records.
- Click  to play record.
 - Click  to delete record.
 - Click  to edit.

6.2.4 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 6-.

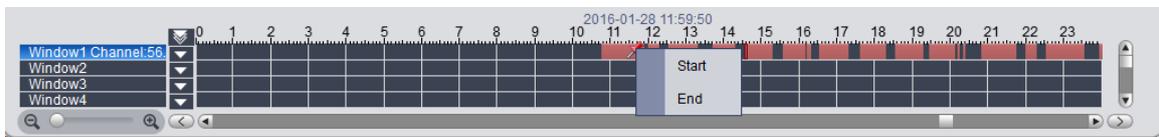


Figure 6-15

- 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 6-.

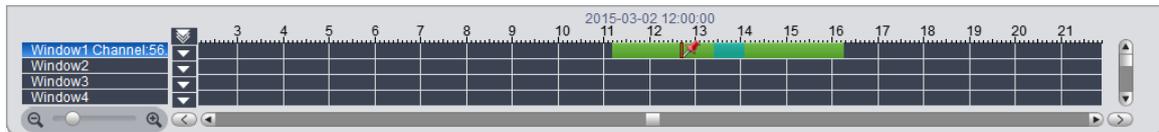


Figure 6-16

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 6-.

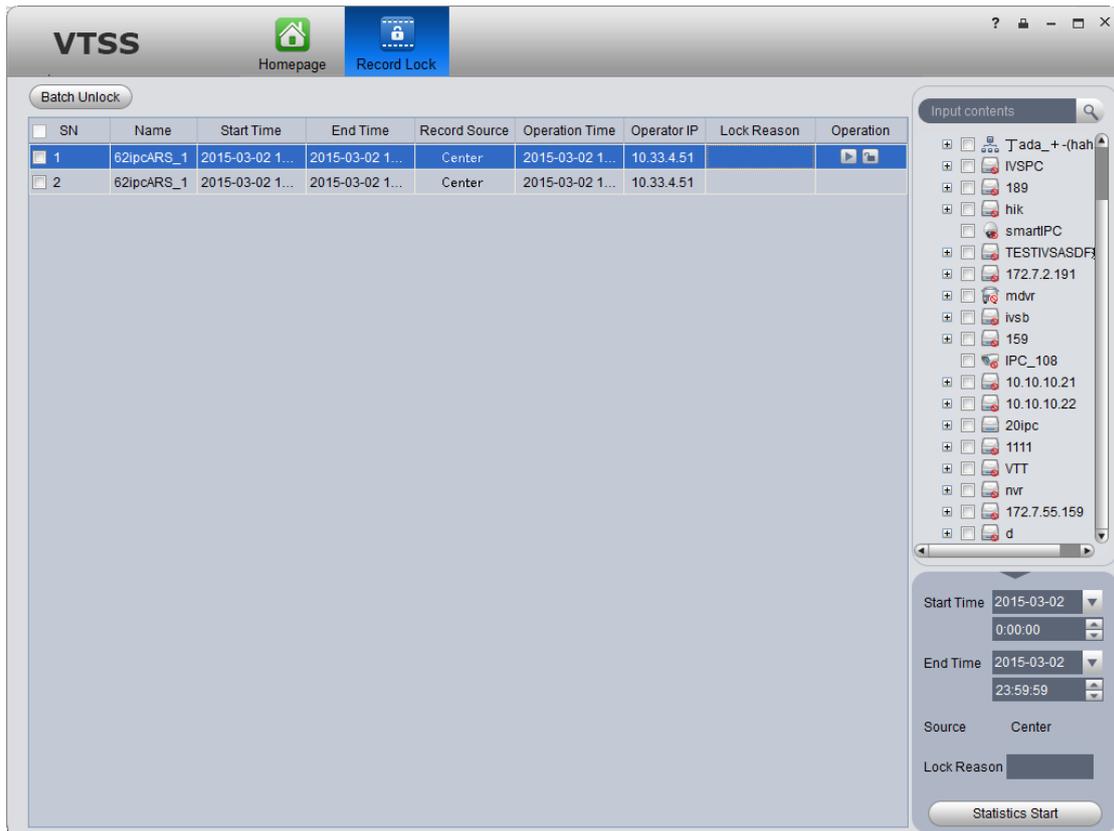


Figure 6-17

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

Click to play record.

Click to unlock record.

6.2.5 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 6-.

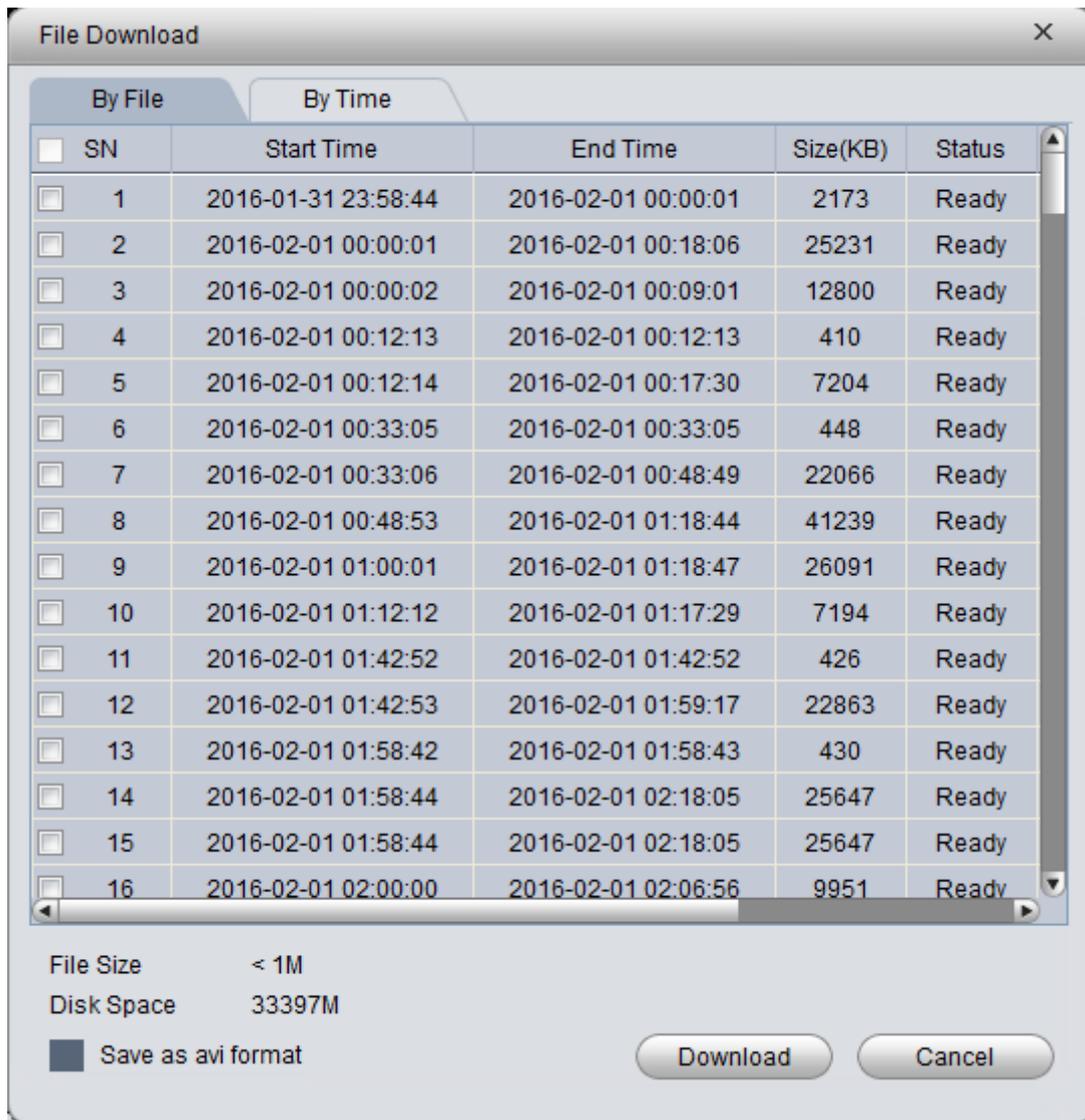


Figure 6-18

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 6-.

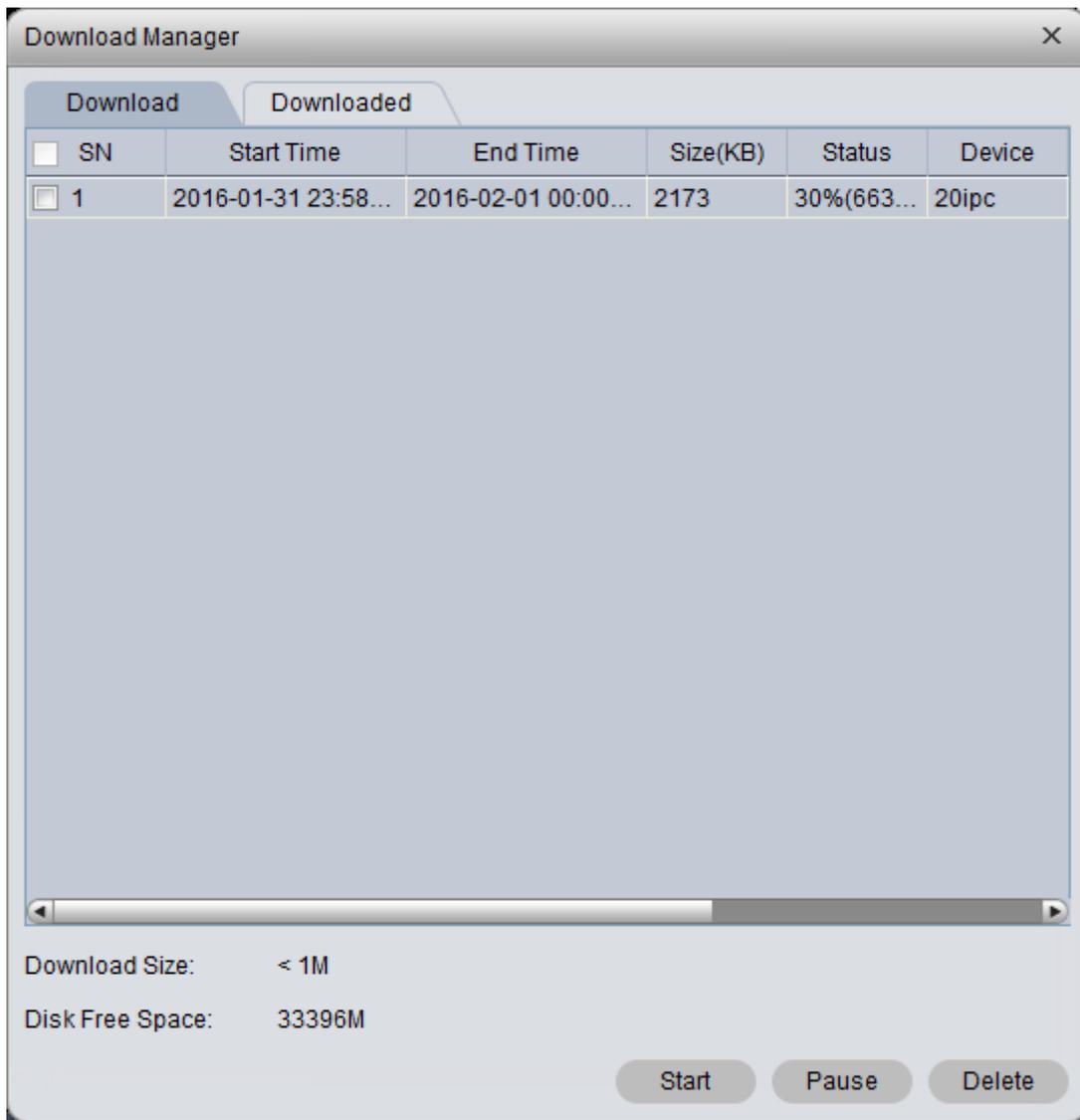


Figure 6-19

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

7 E-Map

Before you can use E-map function, you must configure type of map on INTIPSIPSRV, 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.

Note:

- Rater map:
Show one picture, which is suitable of indoor environment. Place camera at a fixed place, such as parking lot. Server used raster map as default.
- Google:
Google online map, Client accessing Google map requiring network accessibility of Google Map. Via online Google map, it shows the entire city on map with zooming function.
- Google offline Map
Google offline map, by distributing map on other server, it allows network accessibility between our Client and Google Map offline server. So you can access Google offline map with the same functions as online map.

7.1 Raster Map

7.1.1 Select Map

Step 1. Select Business>Map.

Step 2. Click config. See Figure 7-1.



Figure 7-1

Step 3. Select map type to set, click Apply.

7.1.2 INTIPSIPSRV Manager Map Config

VTSS5000 Manager supports to add video device, access control device, video intercom device and etc.

Step 1. Login VTSS5000 Manager.

Step 2. Select Business>E-map. See Figure 7-2.

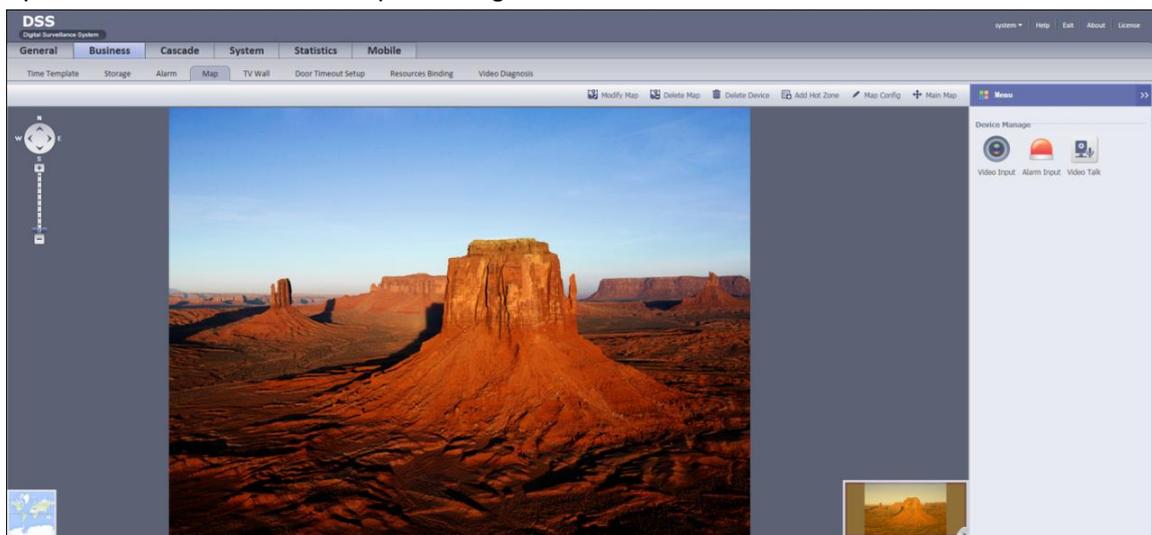


Figure 7-2

Note:

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

Step 3. Drag device under Video Input tab on the right onto map. See Figure 7-3.

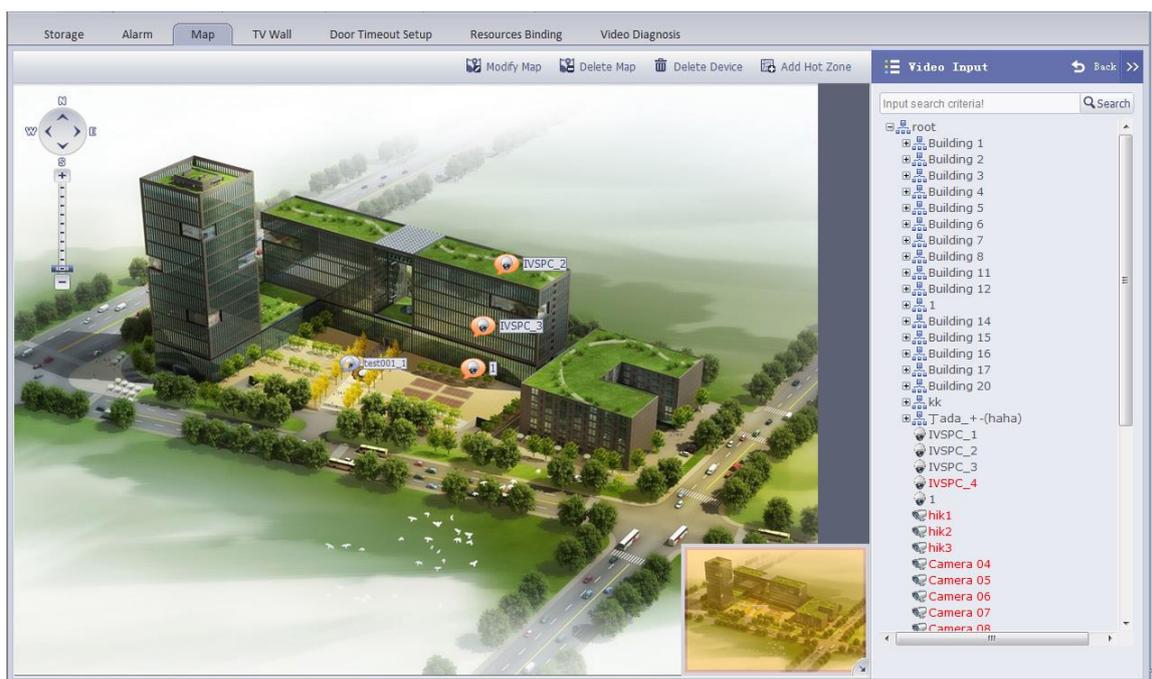


Figure 7-3

Font color in Video Input device list:

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

Step 4. Drag device under Alarm Input and etc. onto the map. Config of map is complete.

7.1.3 INTIPSIPSRV Client Map Function

Step 1. Login INTIPSIPSRV Client.



Step 2. Click  in Basic Function area. See Figure 7-4.

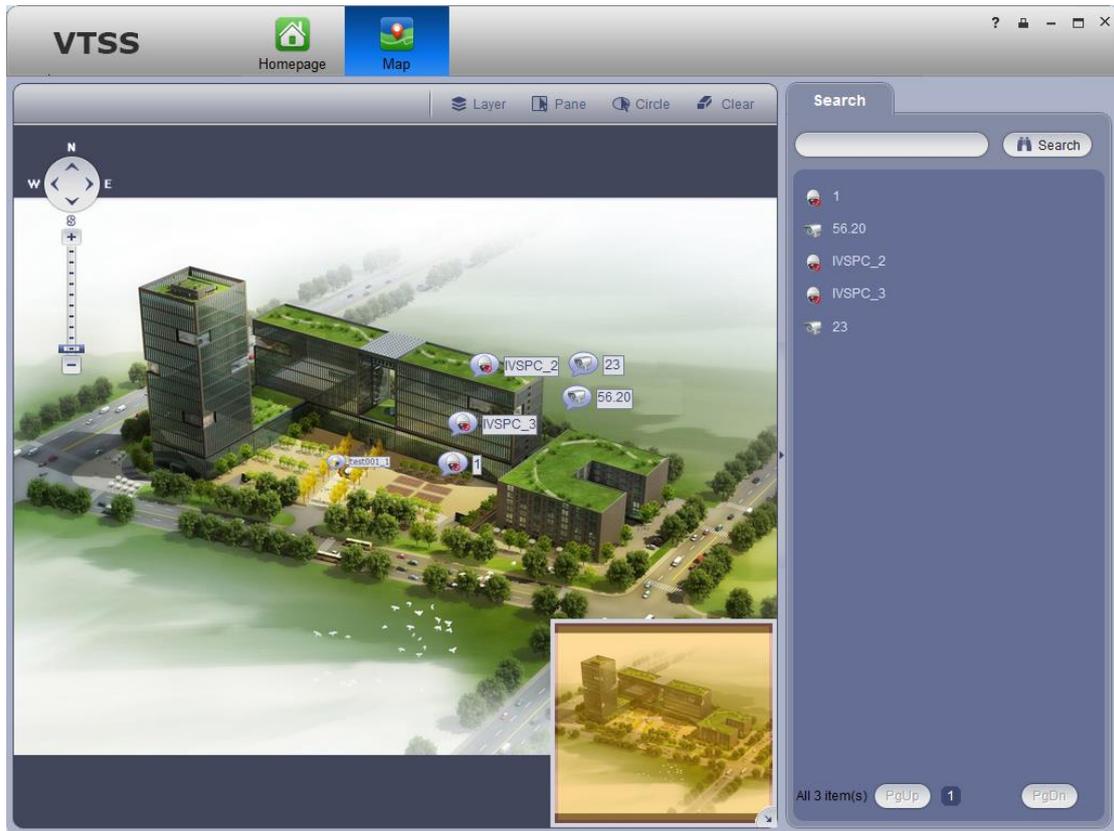


Figure 7-4

Step 3. On the map, pane or circle device you want to select, you can open video, playback and unlock record. See Figure 7-5.

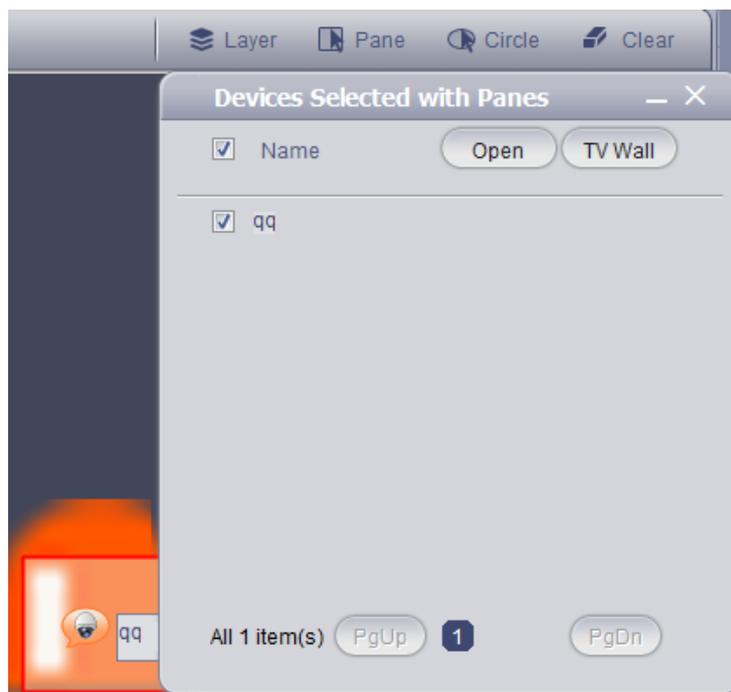


Figure 7-5

Step 4. 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.

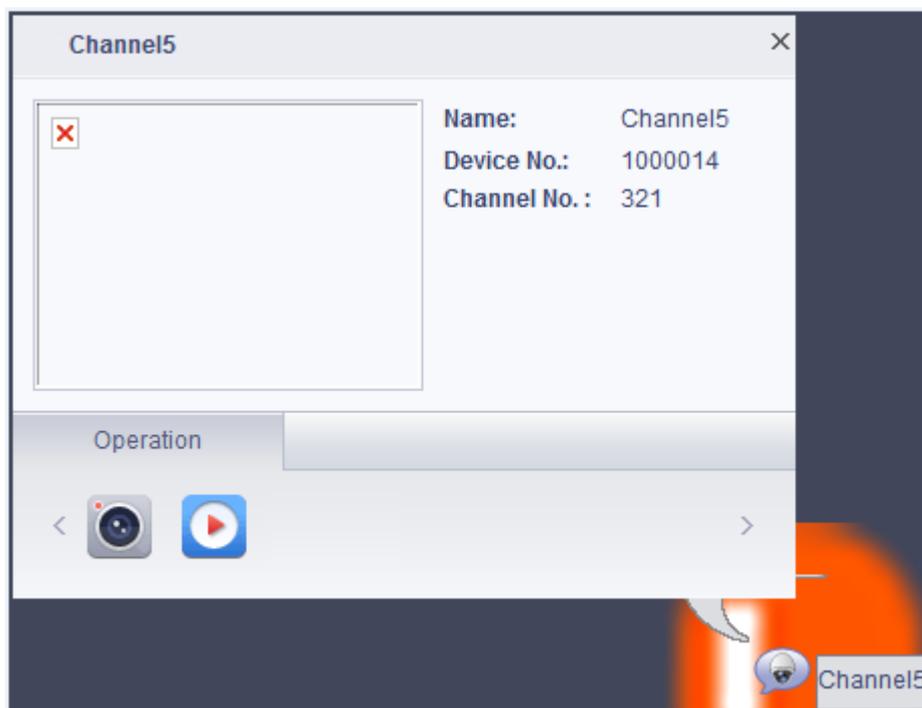


Figure 7-6

Parameter		Note
Device Operation		Open live preview of this channel. When you have live preview, the system supports local record, talk, snapshot and audio.
		Playback.
		Cancel alarm.
Peripheral Search		Search peripheral of this channel for video channel and ANPR channel.

Step 5. Click , open Video to open live preview, see Figure 7-7.

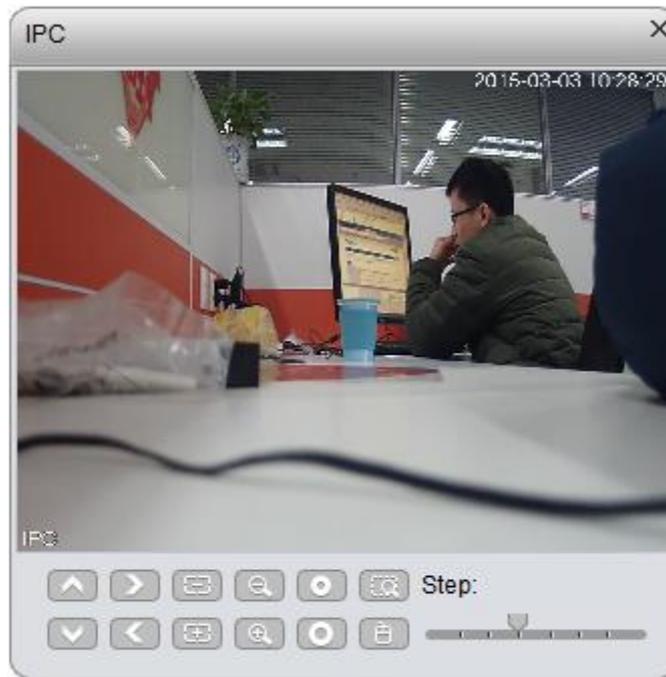


Figure 7-7

Step 6. Click , configure playback time and storage type. You can search playback record. See Figure 7-8.



Figure 7-8

7.2 Google, Google Offline Map Config

7.2.1 Select Map

Google and Google offline map have similar configuration steps, so here we make Google offline

map as an example.

Step 1. Select Business>Map.

Step 2. Click config. See Figure 7-9.



Figure 7-9

Step 3. Select Google offline map, and import map, click Apply.

7.2.2 INTIPSIPSRV Manager Map Config

Step 1. Login VTSS5000 Manager.

Step 2. Select Business>E-map.

Step 3. Drag device channels under video device, alarm input tabs onto map, see Figure 7-10.

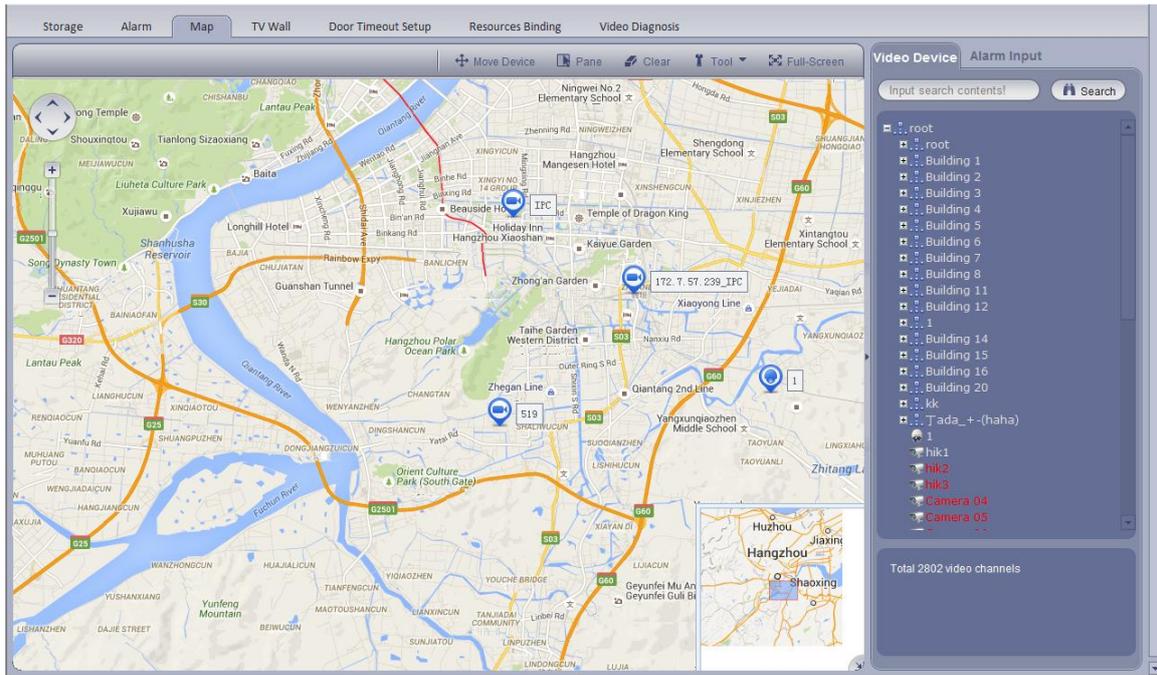


Figure 7-10

Parameter	Note
Move Device	Click to move device on map.
Pane	Select device via pane.
Clear	Clear pane selection on screen.
Tool	<p>Include distance, side measuring, mark and reset.</p> <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.
Add Heat Zone	Click Add heat zone. Select position on map and add heat zone map. After entering heat zone, you can continue adding lower heat zone map. On Client map, click heat zone, the system will auto link map to heat zone map.

7.2.3 INTIPSIPSRV Client Using Map Function

Step 1. Login INTIPSIPSRV Client.



Step 2. Click  in Basic Function area. As shown in Figure 7-11, device dragged onto map on Manager are shown.

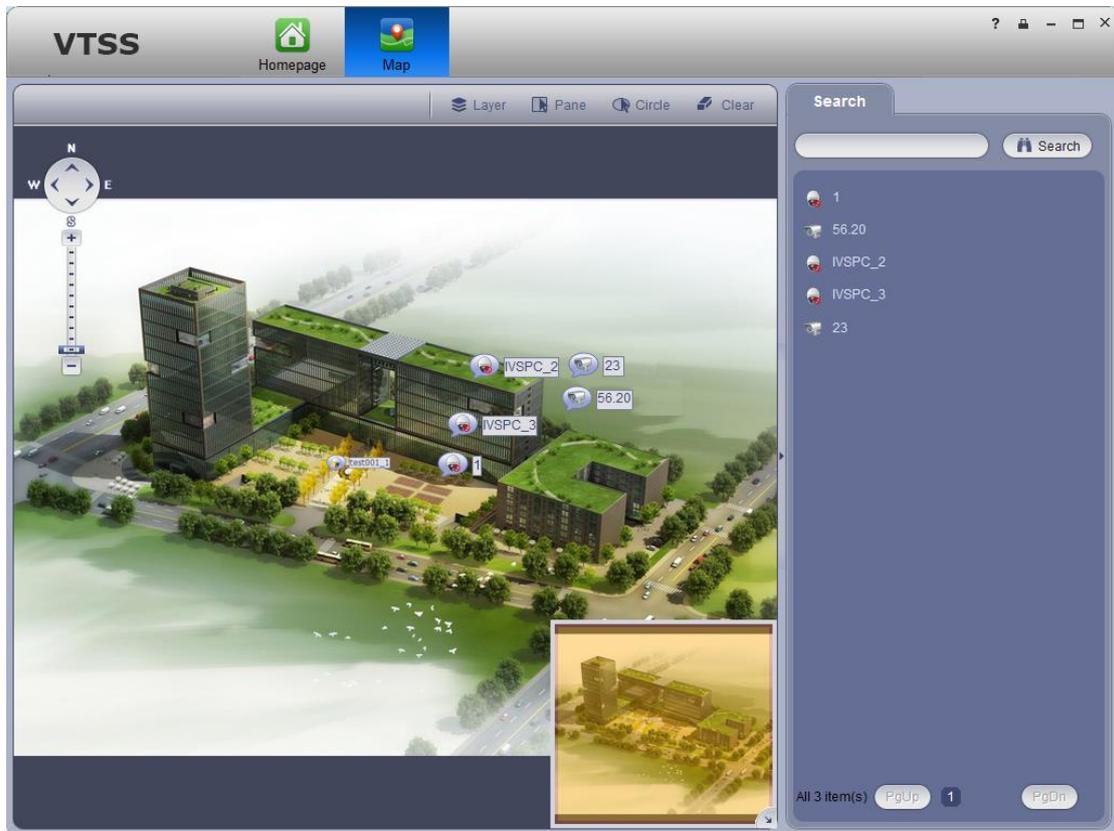


Figure 7-11



Step 3. Click  on the right. The interface shows surveillance spots in a list with their detailed locations, see Figure 7-.

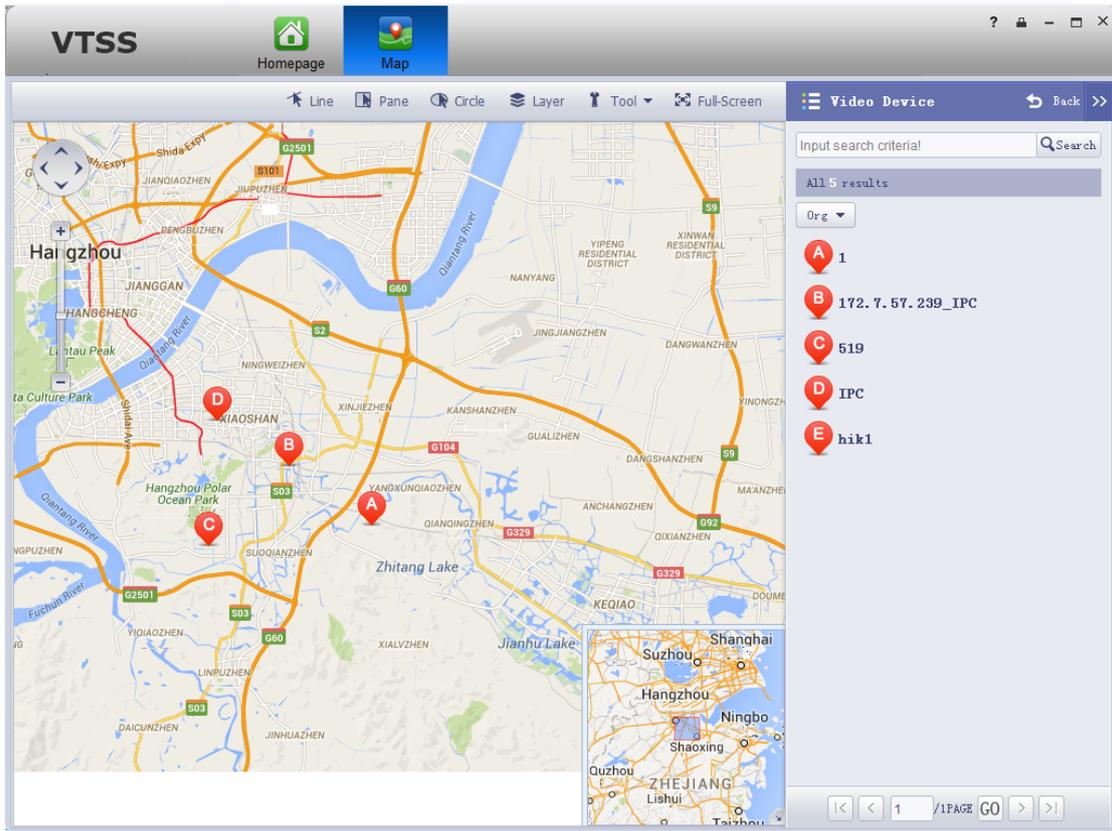


Figure 7-12

Step 4. Click spot, for example: A.

Detailed location is shown on map, such as device no., channel name and etc. See Figure 7-.

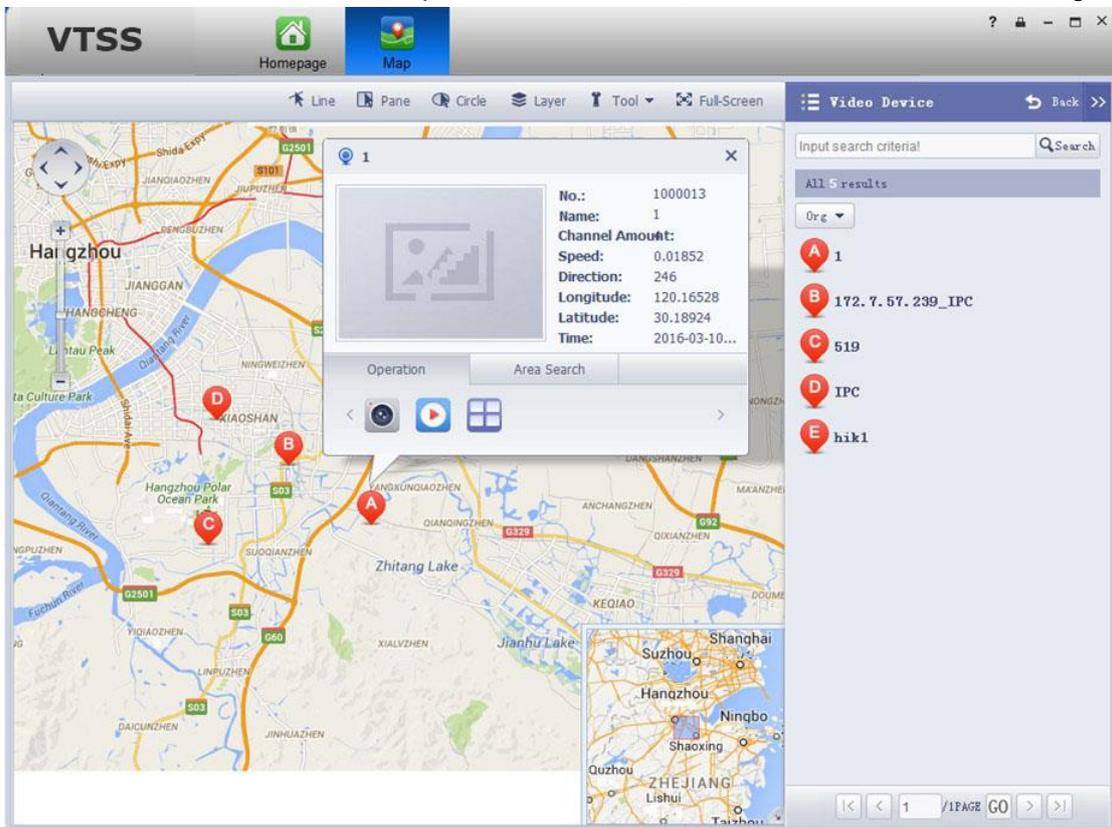


Figure 7-13

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.
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 7-.



Figure 7-14

2. Click  in device operation area, to playback record on device or platform. See Figure 7-.

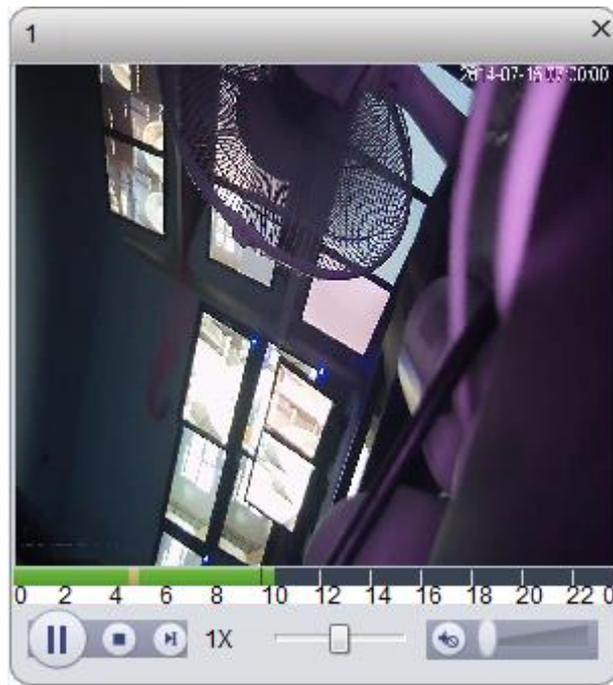


Figure 7-15

8 Alarm

INTIPSIPSRV 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.

8.1 Device-end Config

Step 1. Directly login device web end, or go to INTIPSIPSRV 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 8-1.

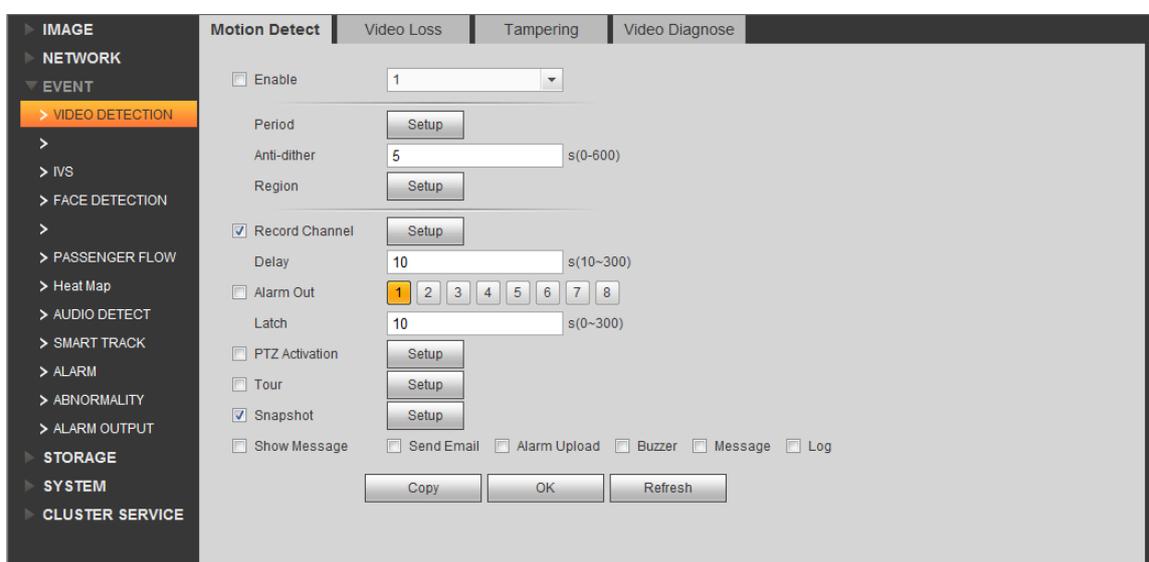


Figure 8-1

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 INTIPSIPSRV 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 8-2.

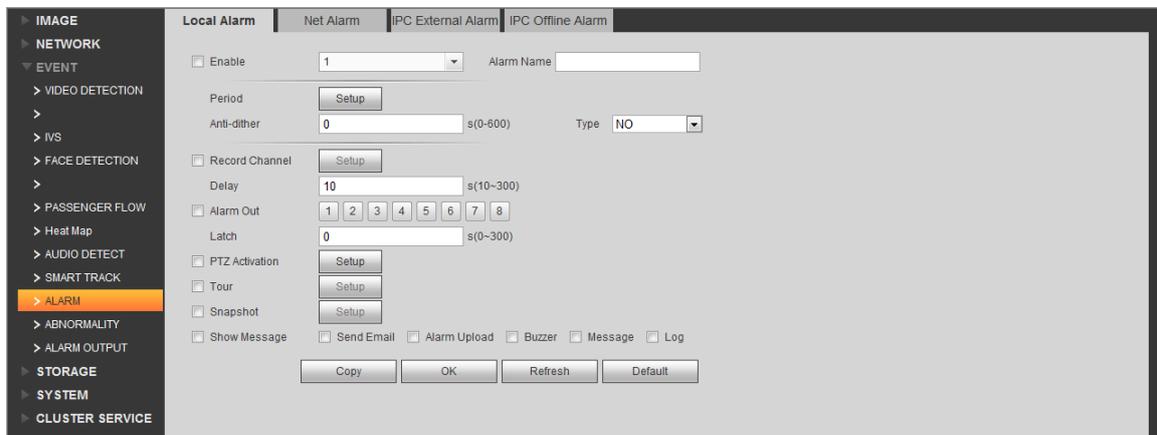


Figure 8-2

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 INTIPSIPSRV 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.

8.2 Config INTIPSIPSRV 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 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.
- TV wall Alarm Window Setup: set TV wall open window layout.
- Alarm scheme: used to configure alarm scheme template.

8.2.1 Set Contacts

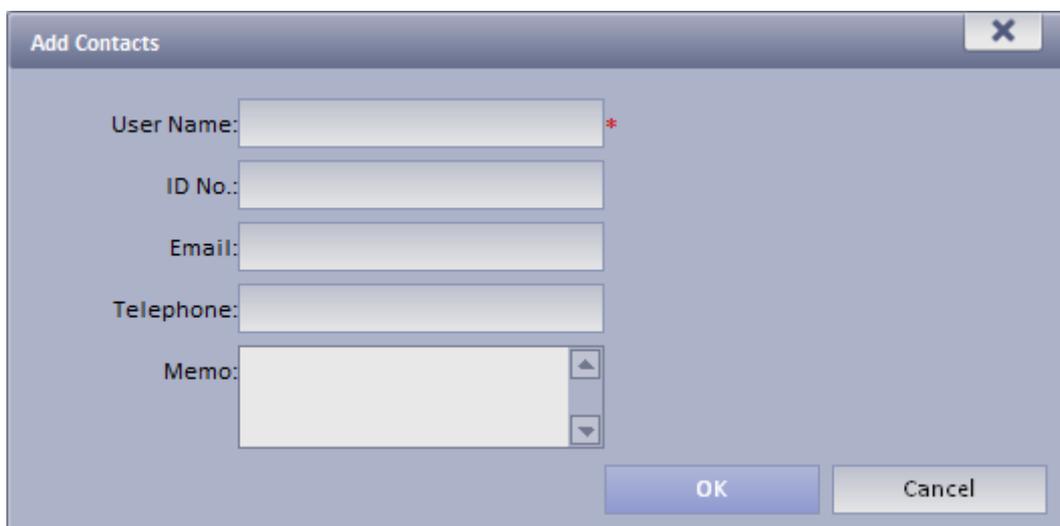
When you add user into contacts and if the setup of Link Level includes email or sms, then system will send email or sms to the new contact.

Step 1. Login INTIPSIPSRV Manager.

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

Step 5. Click .

Step 6. Click . System pops up a Add Contacts box. See Figure 8-3.



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

- User Name: *
- ID No.:
- Email:
- Telephone:
- Memo:
- OK button
- Cancel button

Figure 8-3

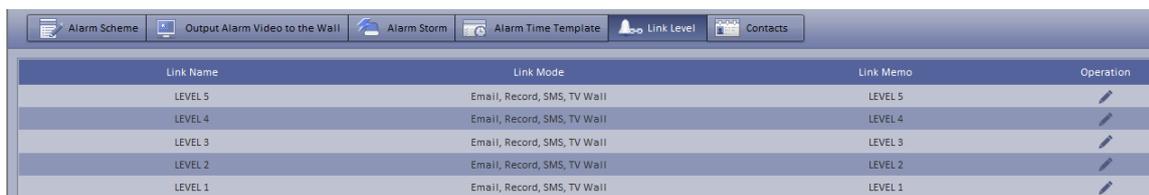
Step 7. Input User Name, ID No., Email and Telephone.

Step 8. Click OK.

8.2.2 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 . System pops up an interface as in Figure 8-4.



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 8-4

Step 9. Click . See Figure 8-5.

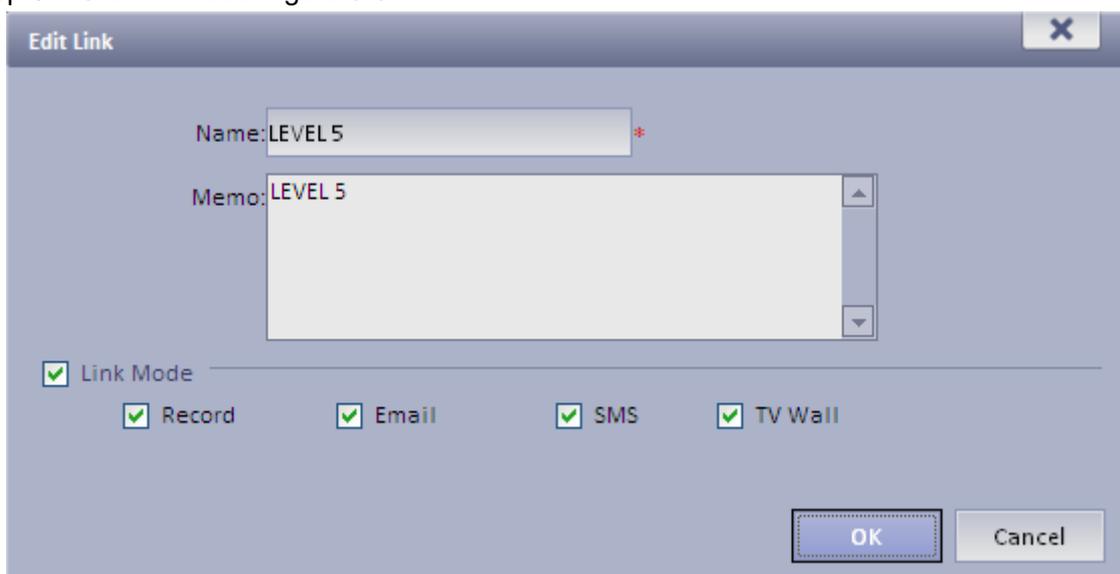


Figure 8-5

Step 10. Set Link Level Name and select Link Mode.

Step 11. Click OK.

8.2.3 Set Alarm Storm

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

- **Set alarm interval as batch**

Step 1. Click . System displays Alarm Storm interface.

Step 2. Select one or more alarm storm, and click . System pops up a box as in Figure 8-6.

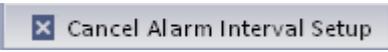


Figure 8-6

Step 3. Set Alarm Interval.

Note: The interval cannot be over 86400 seconds.

Step 4. Click OK.

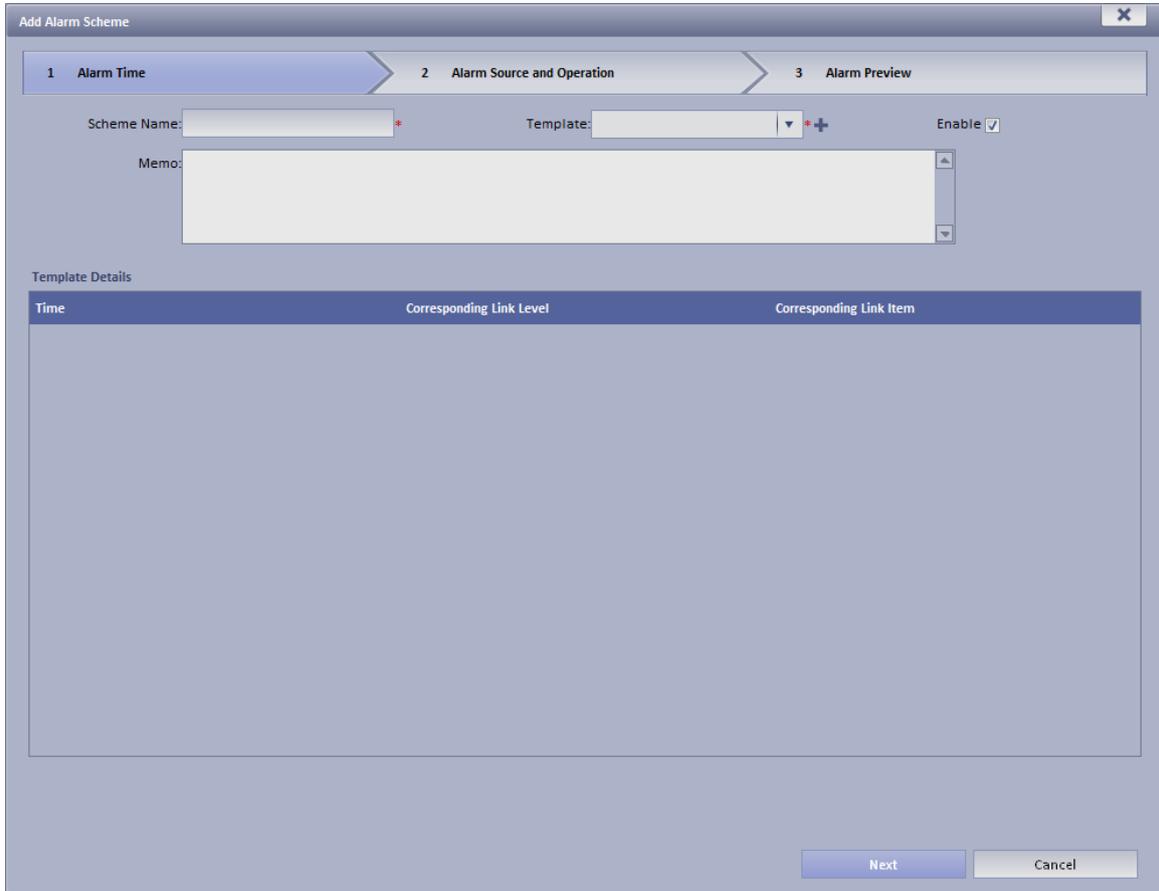
You can click  to stop alarm interval as batch.

8.2.4 Alarm Scheme Config

Configure Alarm Scheme as follows:

Step 1. Click .

Step 2. Click . System pops up an Add Alarm Scheme box as in Figure 8-7.

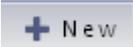


Time	Corresponding Link Level	Corresponding Link Item
------	--------------------------	-------------------------

Figure 8-7

Step 3. Input Scheme Name, select template and link level, 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 8-8.

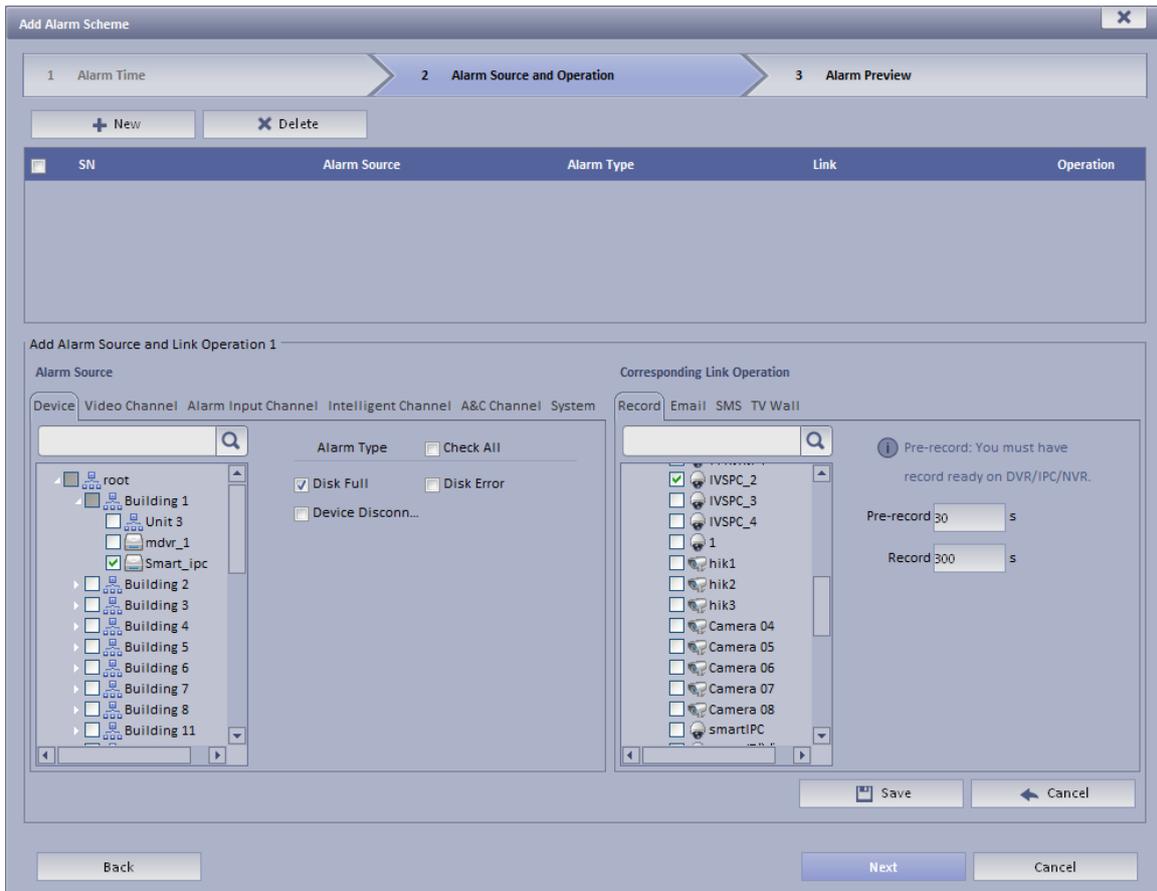


Figure 8-8

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, Mail, SMS, TV Wall and User.

- 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. Users here are users added in Contact. You can click  to all alarm contacts.

-

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 8-9.

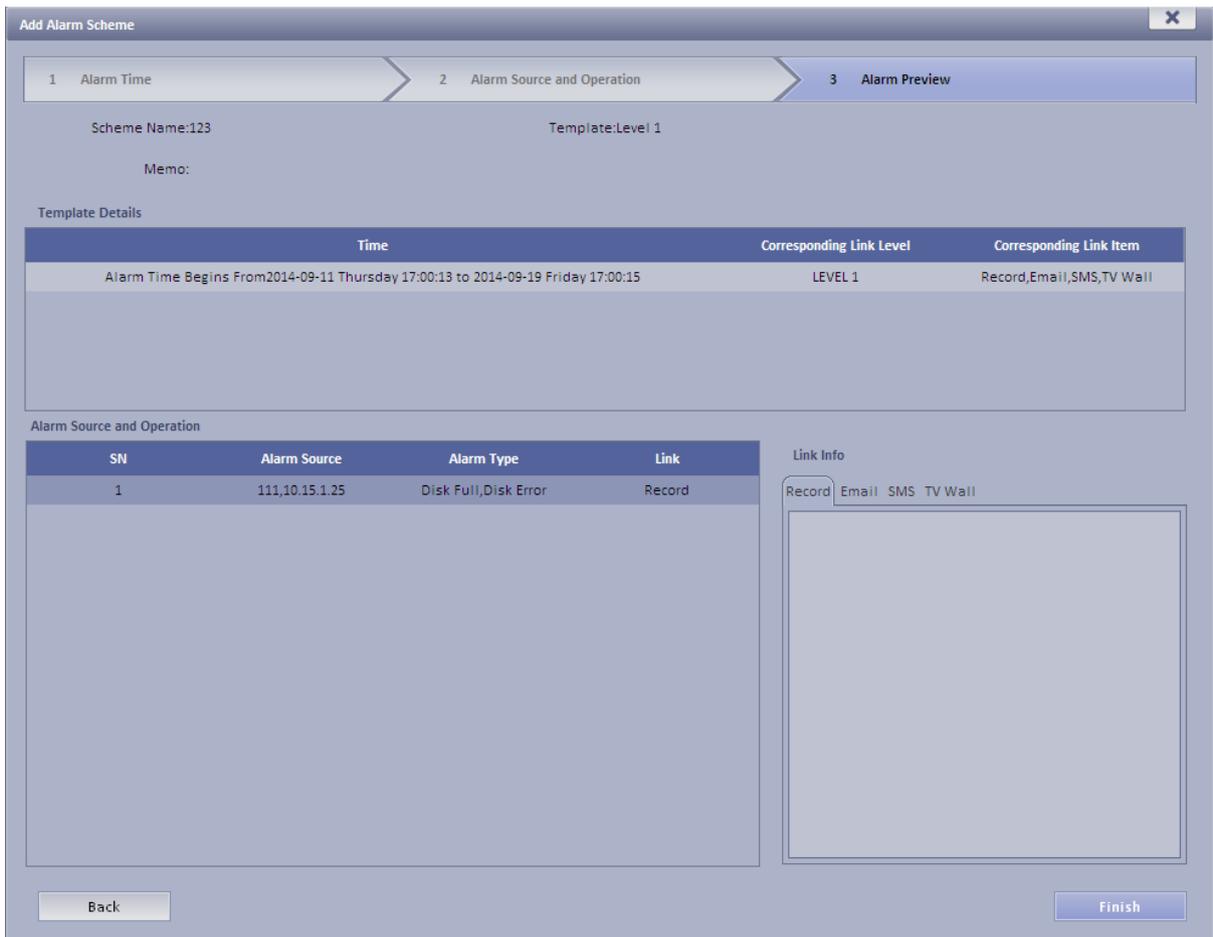


Figure 8-9

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.

8.3 INTIPSIPSRV Client Alarm Scheme Config

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

8.3.1 Alarm Scheme Config

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

Step 1. Login INTIPSIPSRV Client.



Step 2. Click  in Setup Manager area. System displays Alarm Scheme interface as in Figure 8-10.

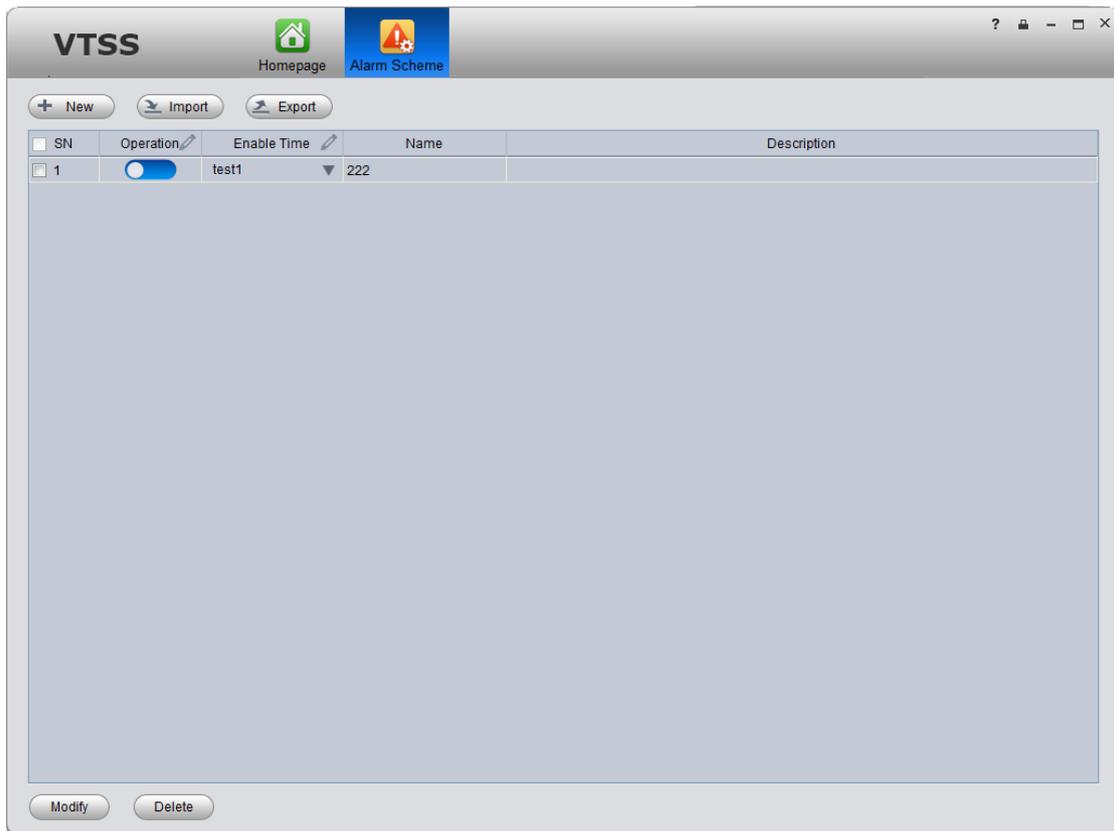


Figure 8-10

Step 3. Set scheme info.

- a) Click . System displays Global interface.
- b) Input Scheme Name, Description, Time, Audio and Others as in Figure 8-11.

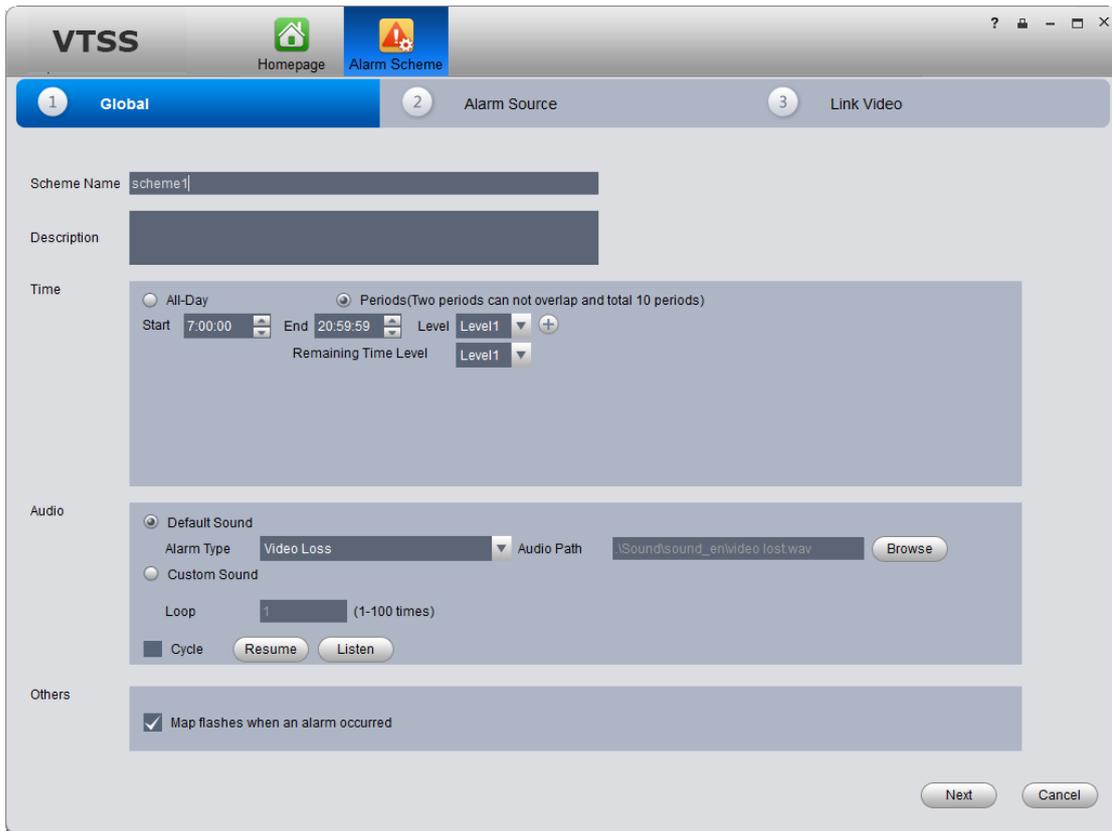


Figure 8-11

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 and delete period via . <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.

- a) Click or Next. System displays Alarm Source interface.
- b) 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 8-12.

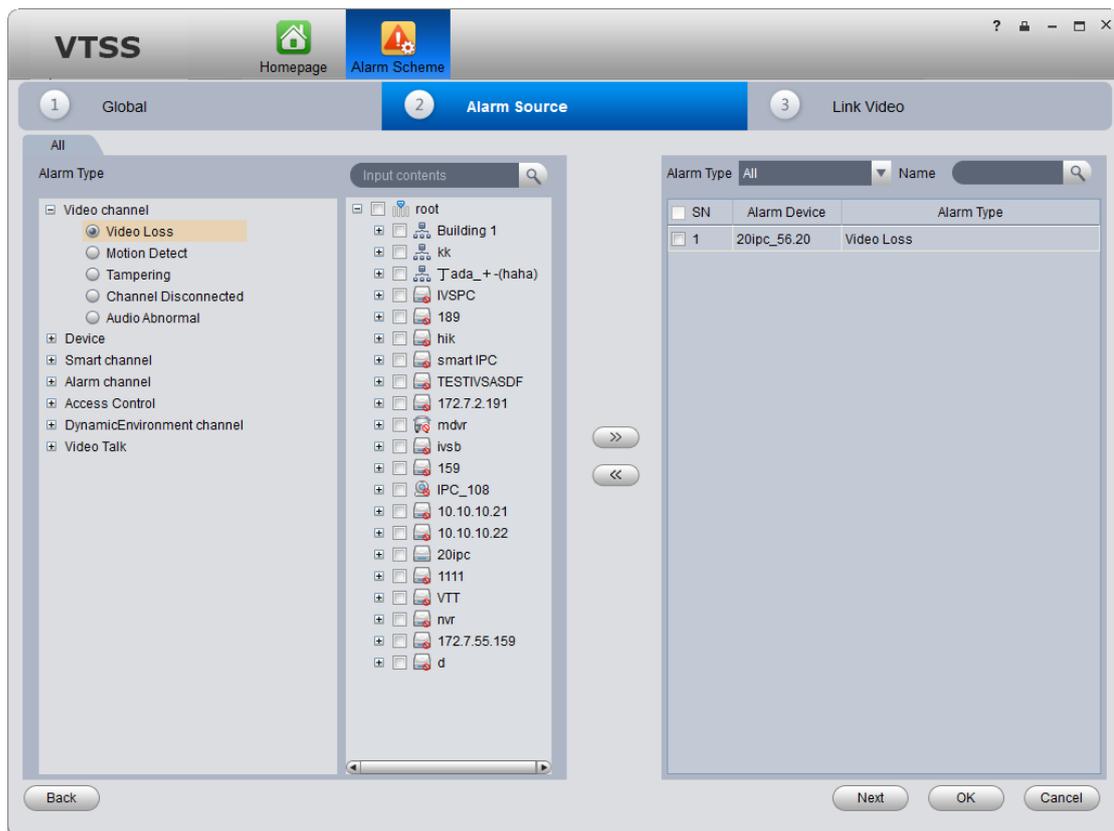


Figure 8-12

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

- a) Click  or Next. System displays Link Video interface.
- b) Select alarm source on the left.
- c) Select video channel under Link Video tab.
- d) Click  to add selected link video to area on the right as in Figure 8-13.

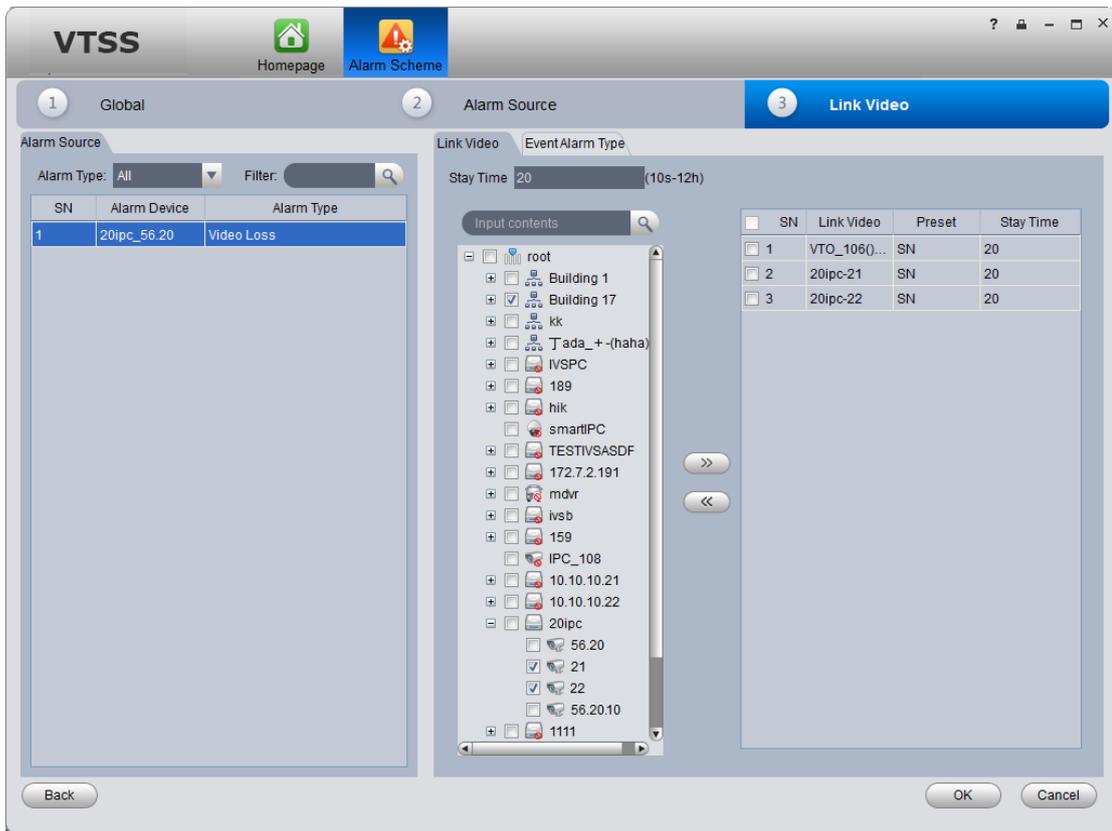


Figure 8-13

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) (Optional) Select **Display in Preview Interface**. See Figure 8-14.



Figure 8-14

- f) (Optional) In Preview dropdown list, you can select 4 split, and in Window dropdown list, select link video window.
When alarm occurs, in Live Preview interface, the corresponding window will have red flashing and it will play alarm linked video.

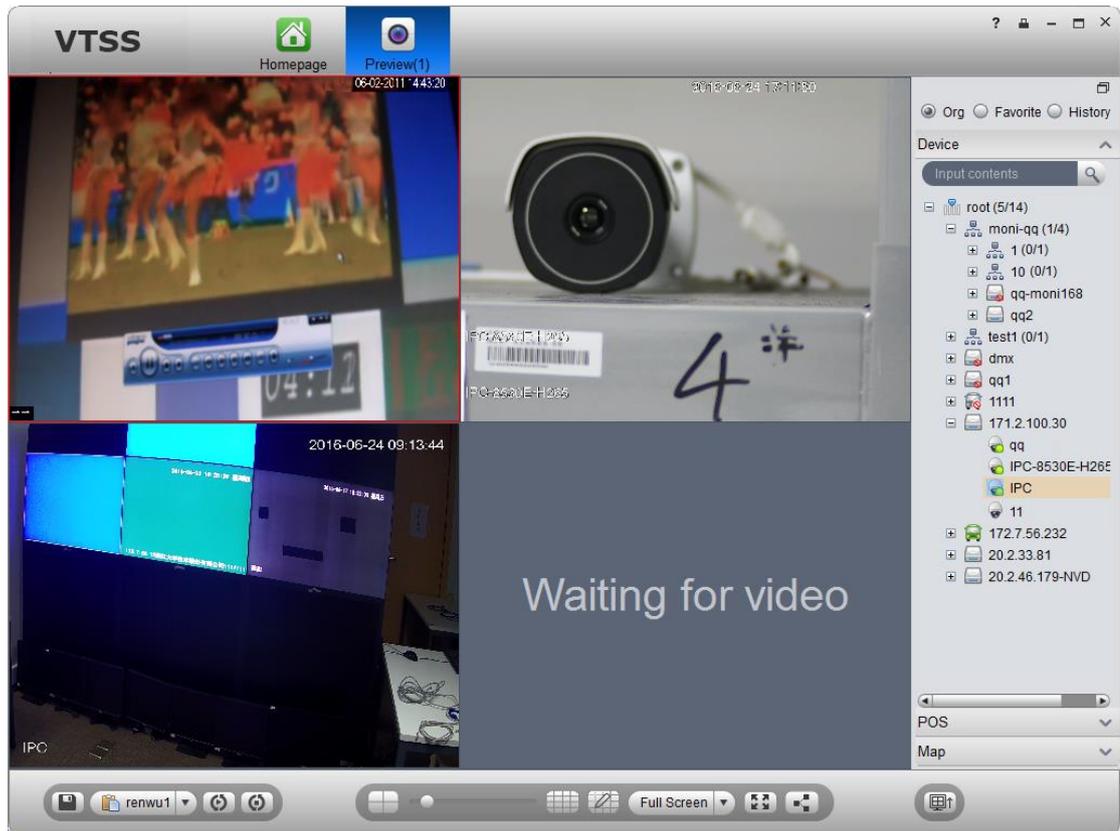


Figure 8-15

- g) Select alarm output device under Alarm Output tab.
- h) 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.

- i) Click OK. System displays added alarm scheme as in Figure 8-16..

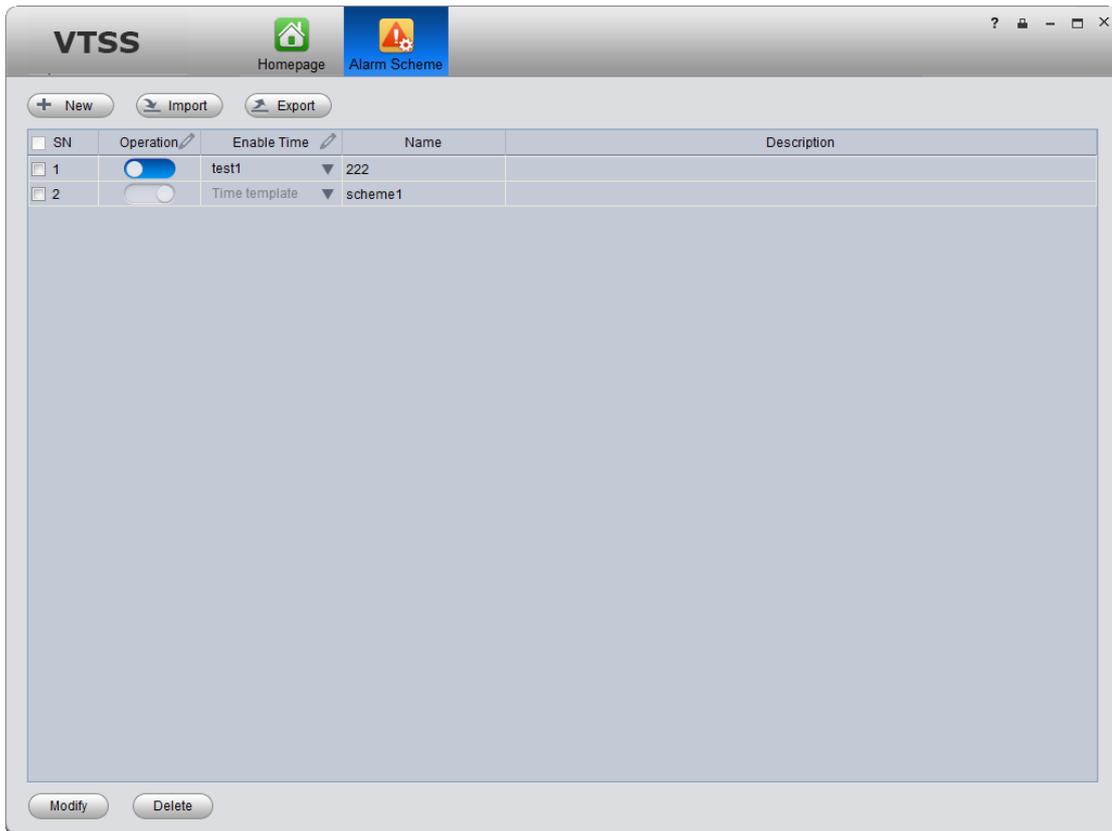


Figure 8-16

- 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 INTIPSIPSRV Manager Business>Alarm Config, see Ch 8.2.3.

8.3.2 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 8-17.

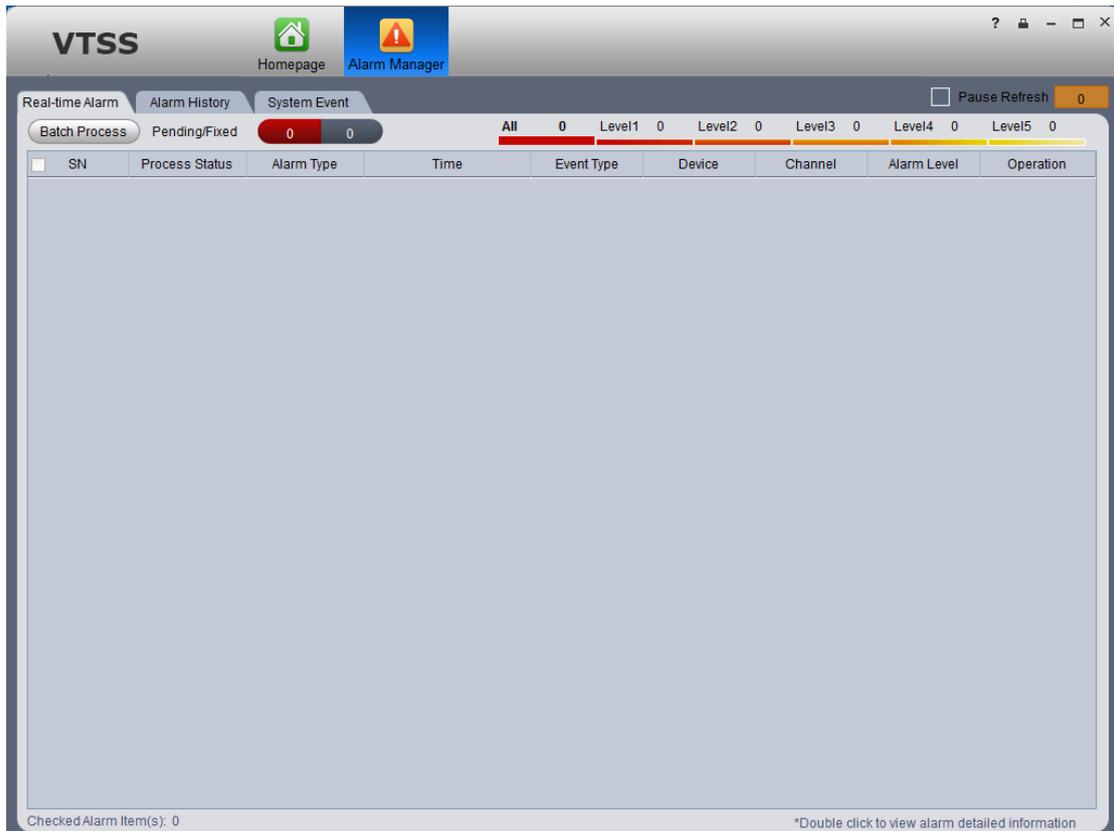


Figure 8-17

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.

9 Video Intercom

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

New SIP telephone function allows VTO to call SIP telephone. When the call is picked up, you can enter VTO password to unlock. SIP telephone can also form a group with VTHs. When VTO calls, devices in the same group will respond at the same time, and if one of these device picks up, ring on other devices will stop.

SIP telephone supports to call platform client.

9.1 Config Device

9.1.1 VTO Setup

Step 1. Login VTO web.

Step 2. Select Network>SIP Server.

Step 3. Configure platform address, port is 5080, see Figure 9-1.

The screenshot displays the 'SIP Server Config' page of the 'IP VDP Door Station Web Server V1.0'. The left sidebar shows a navigation menu with 'Network Config' highlighted. The main content area has four tabs: 'TCP/IP', 'FTP Config', 'SIP Server Config' (selected), and 'Port Config'. The 'SIP Server Config' form includes the following fields and controls:

- IP Address: 172.7.57.251
- Port: 5080 (range 1~65535)
- Username: 8001
- Password: masked with dots
- SIP Realm: VDP
- SIP Server Enable

A red warning message is displayed: "Warning: The device needs reboot after modifying the SIP server enable." At the bottom of the form are three buttons: "Default", "Refresh", and "OK".

Figure 9-1

Step 4. Select Network Config.

Step 5. Set building/unit no. and call number, see Figure 9-2.

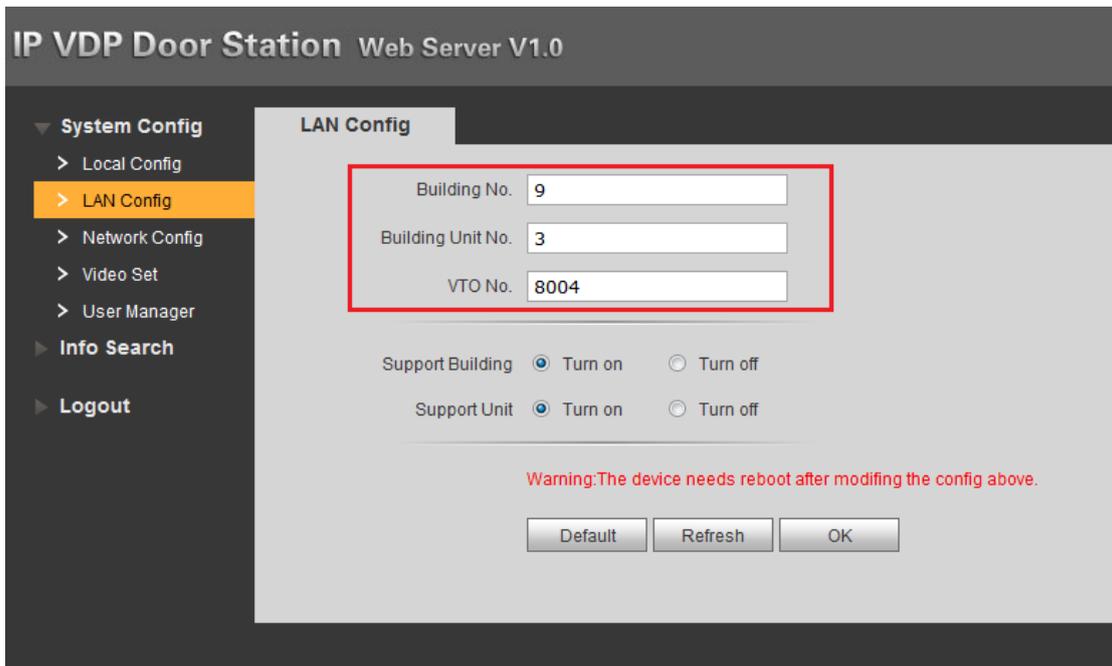


Figure 9-2

Later in the use of VTO, if you modify content in red box above, you shall find corresponding VTO on platform manager Device interface. Click , in pop-up window, click Get Info to get latest VTO info, and then you can normally use VTO function.

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 9-3.

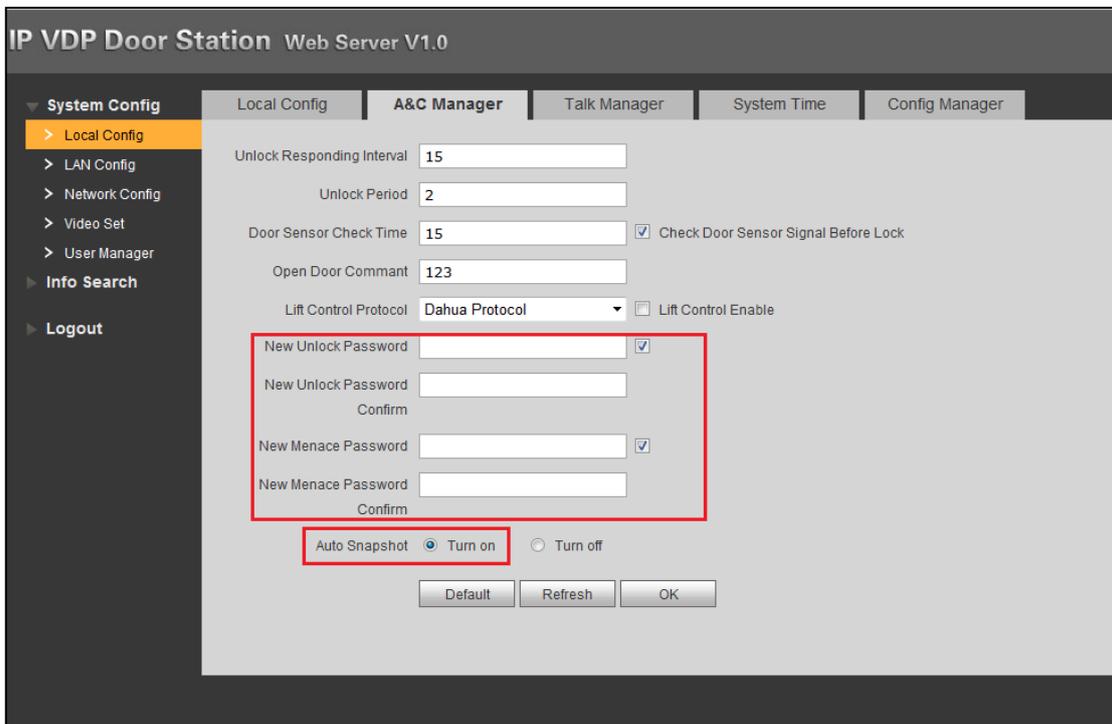


Figure 9-3

If you complete this operation on INTIPSIPSRV, you can see device platform connection status on

VTH device's homepage as online/offline. (Just enter VTO IP, config VTO name)

9.1.2 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 9-4.

Note:

If make VTH and SIP phone in a group, need add "#0" in the Room No., If there are other VTH, need to add another No.



Figure 9-4

Step 3. In SIP server config platform address and port (5080, and enable. You cannot modify other info, see Figure 9-5.



Figure 9-5

Step 4. In Network, configure corresponding VTO address, and enable, see Figure 9-6.

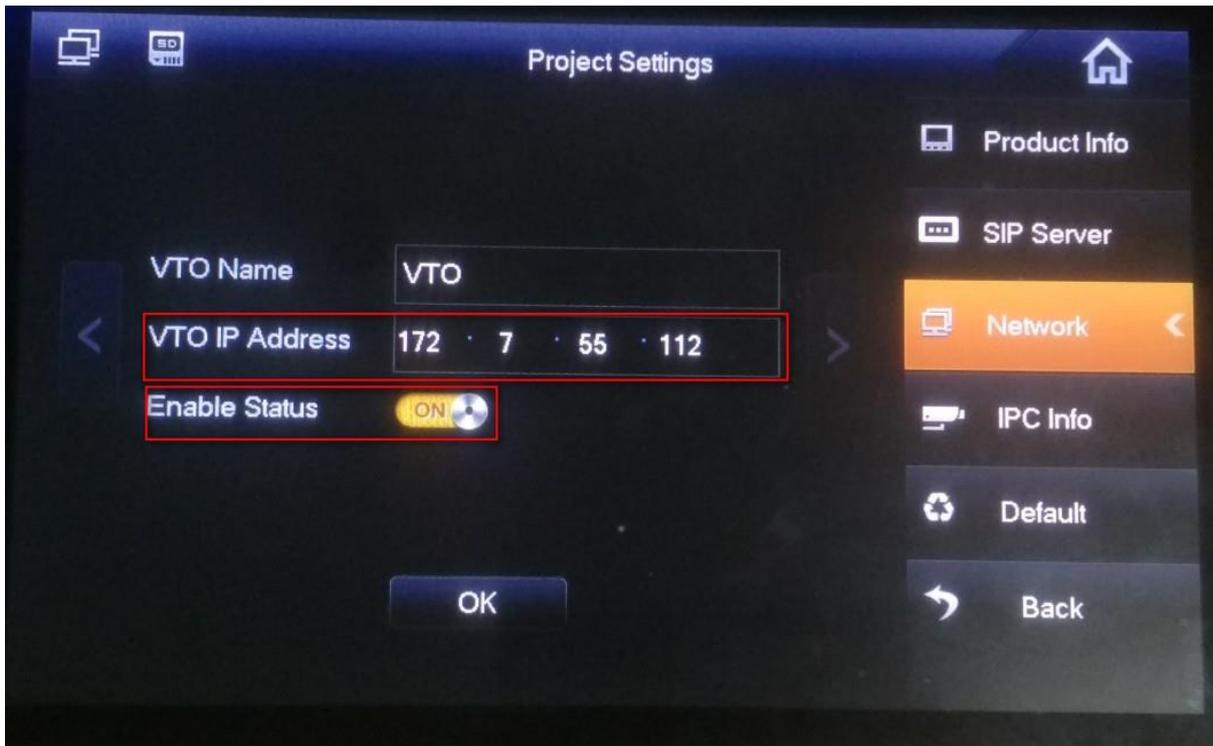


Figure 9-6

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 9-7.



Figure 9-7

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 9-8.

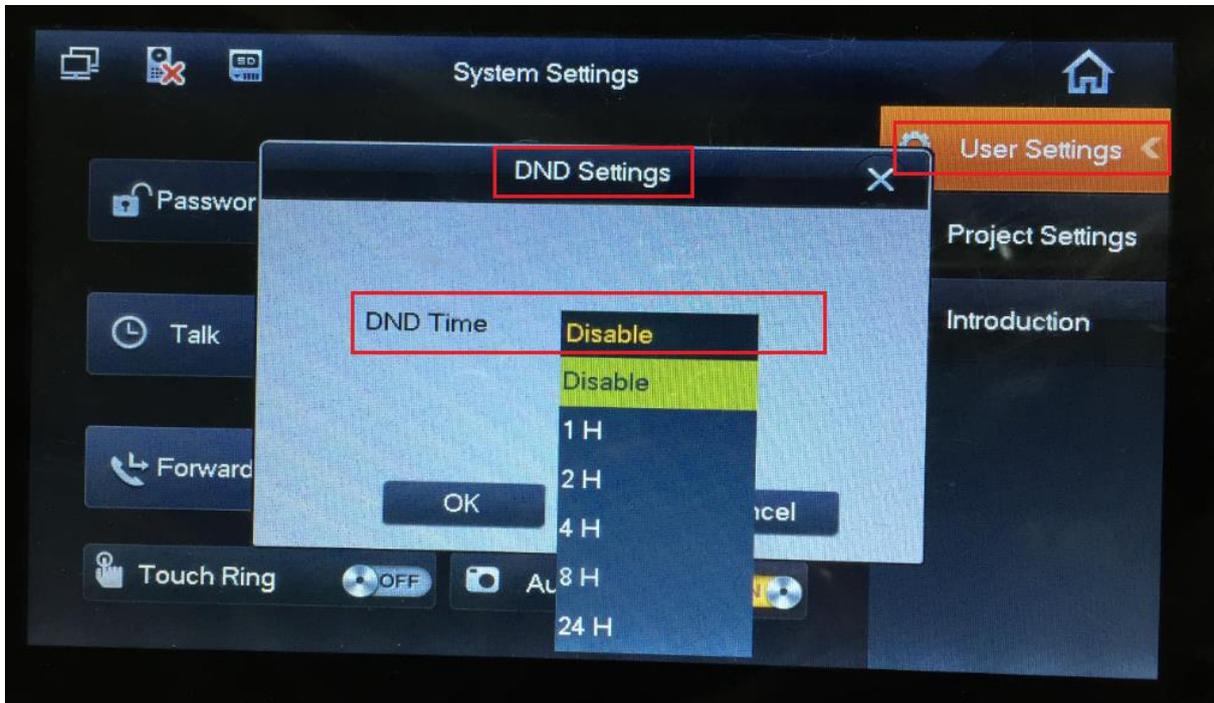


Figure 9-8

Step 6. In Figure 9-8, click Setting.

Step 7. Select User Setting>Talk, see Figure 9-9.

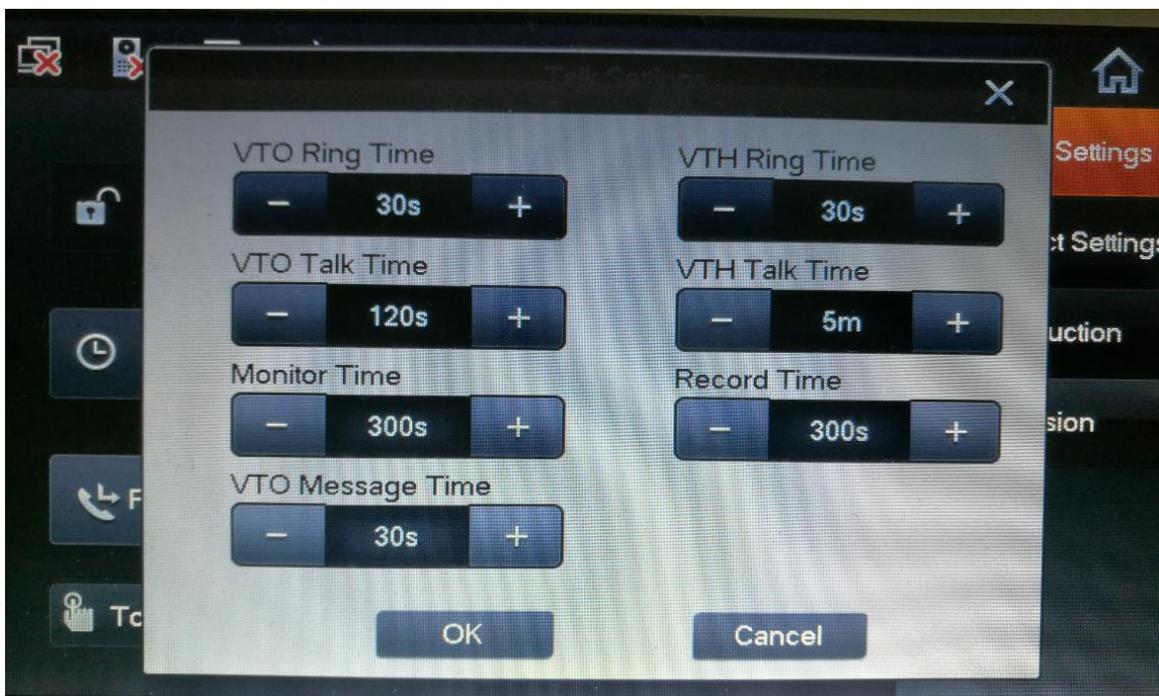


Figure 9-9

Step 8. Set VTO Ring Time, VTH Ring Time and VTO Message Time to 30s, click OK.

9.1.3 SIP Telephone Setup

Step 1. Login SIP Account.

Step 2. Select SIP Account, see Figure 9-10.

Current location: SIP Account >Account1

Account: Account1

Basic >>

Enable: ?

Server type: Default

Amount of line accounts used: 1 (Default: 2)

Display Name: 06069003-2 ?

Username: 06069003-2 * ?

Authenticate Name: 06069003-2 ?

Password: ••••• ?

Label: ?

SIP Server: 192.168.56.73:5080 * ?

Secondary server: ?

Option: off on

Outbound Proxy Server: ?

Secondary Outbound Proxy Server: ?

Polling interval time of registration: 60 s Default value: 32s range: 20s~60s

NAT Traversal: Disabled ?

STUN Server: ?

Register Expiration Time: 40 Default: 3600s, Min: 40s ?

Auto Answer: off on

SIP Transport: UDP TCP TLS ?

Ring type: Ring1 ?

Figure 9-10

Step 3. Enter Display Name, Username, Authenticate Name, matching VTH.

Note:

If SIP telephone forms a group with VTHs, number in front of “-” shall match VTH, number following “-” shall be different to differentiate devices.

Step 4. In SIP Server field, enter platform IP.

Step 5. Select Phone Setting>Advanced, see Figure 9-11.

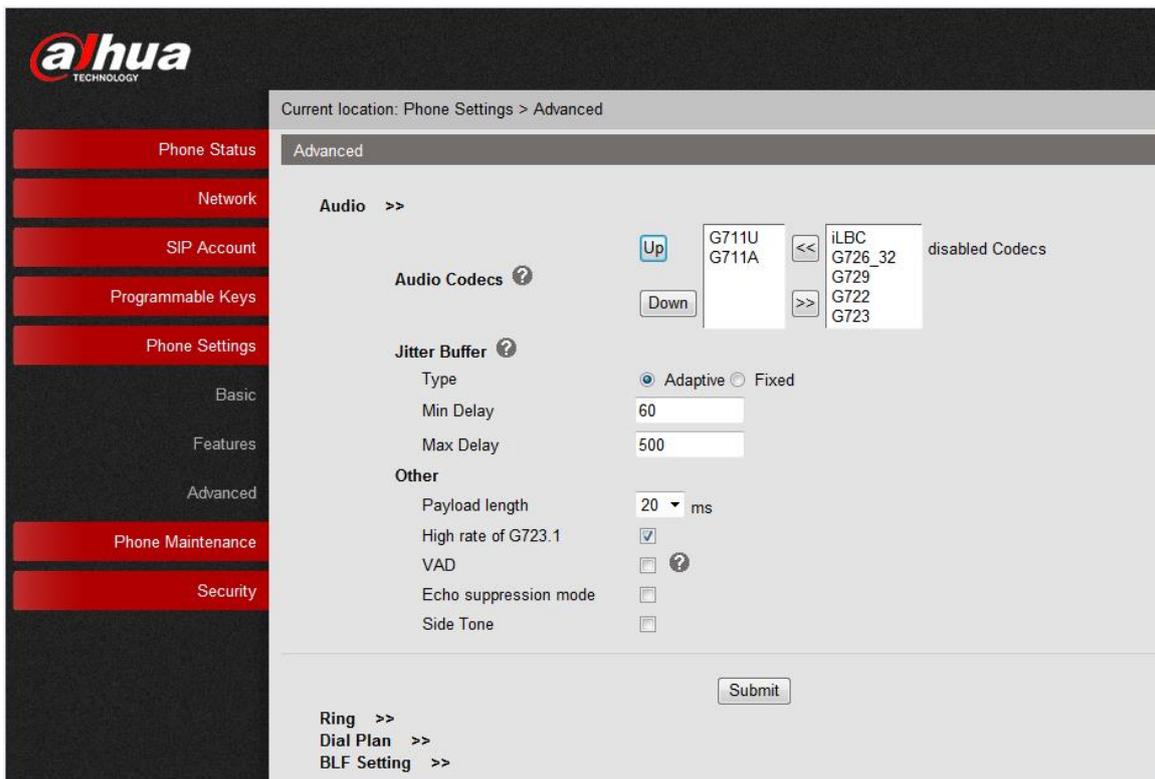


Figure 9-11

Step 6. Click Submit.

9.2 Add Device on INTIPSIPSRV Manager

Step 1. Login VTSS5000 Manager.

Step 2. Select General>Device>Video Talk.

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

Figure 9-12

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

9.3 Video Intercom Function on INTIPSIPSRV Client

9.3.1 Video Talk

After you have added VTO and VTH, on VTSS5000 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 VTSS5000 Client.



Step 2. Select  in Basic area. System shows Video Talk interface, see Figure 9-13.

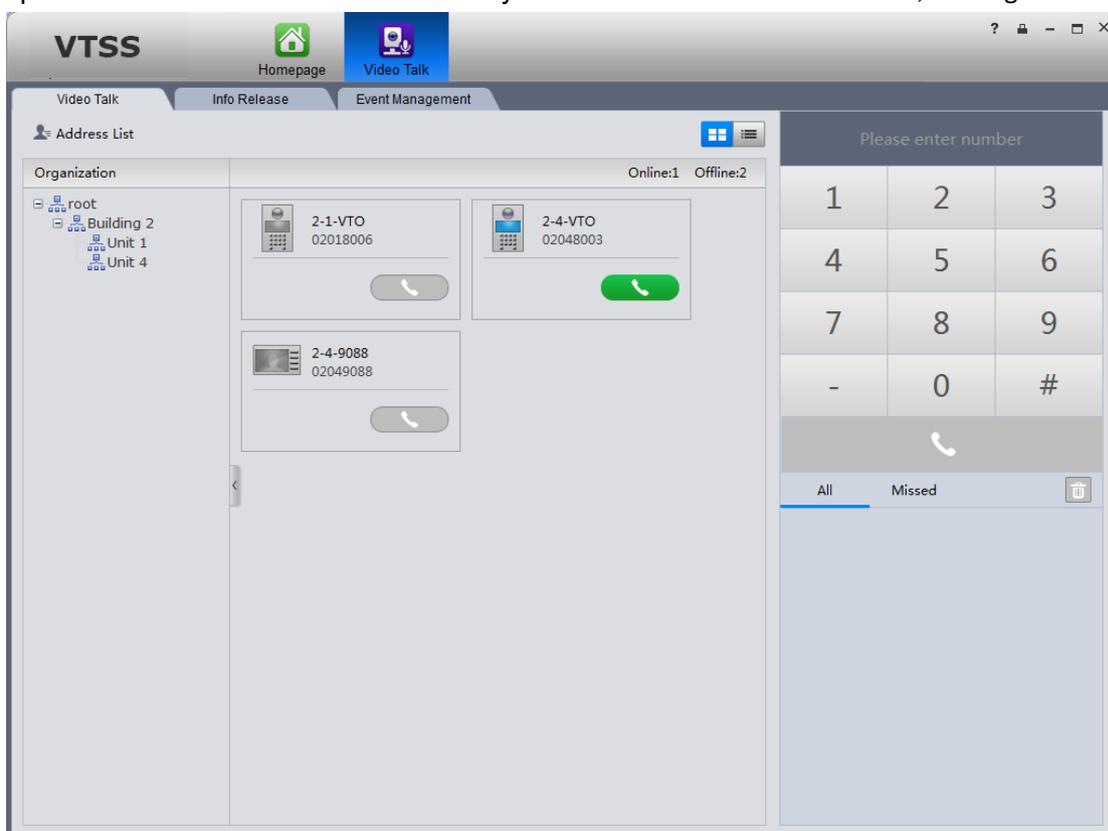


Figure 9-13

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 client to VTO only.

System pops up a box, see Figure 9-14.

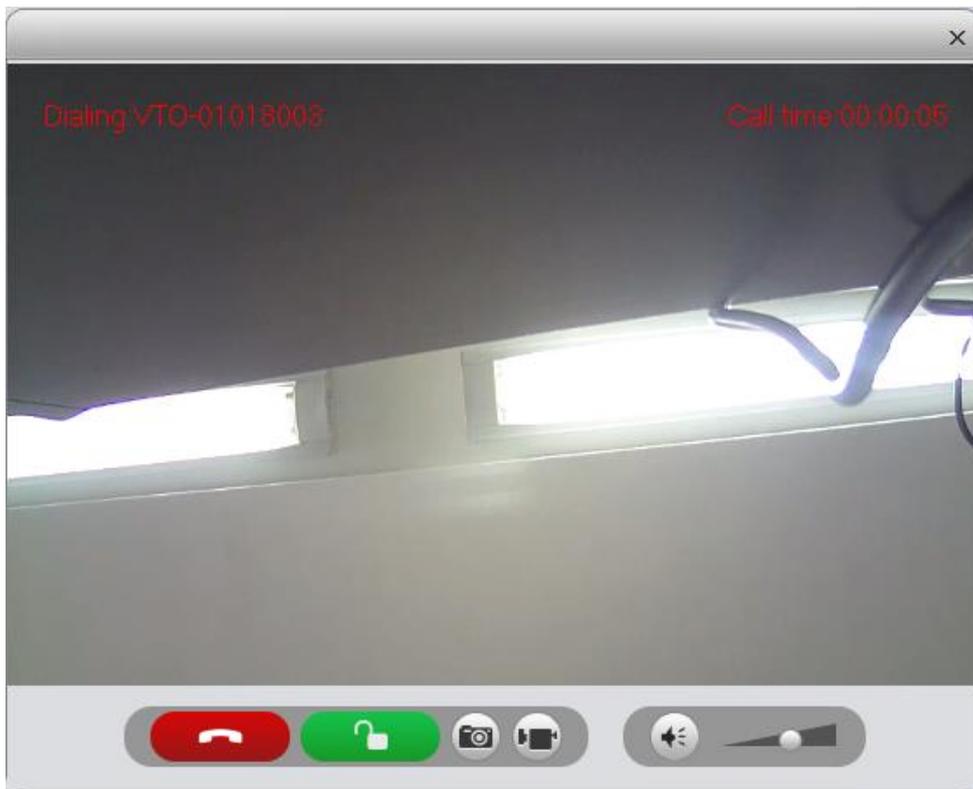


Figure 9-14

- 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 9-15.

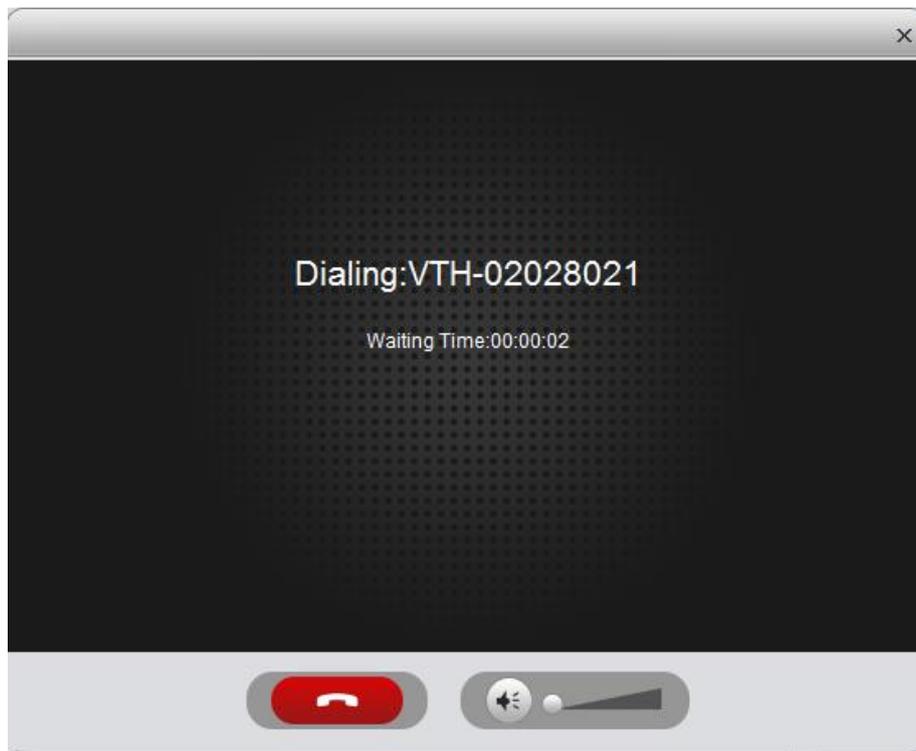


Figure 9-15

- 2). When VTH accepts call, the user can start a bidirectional talk.
See Figure 9-16.

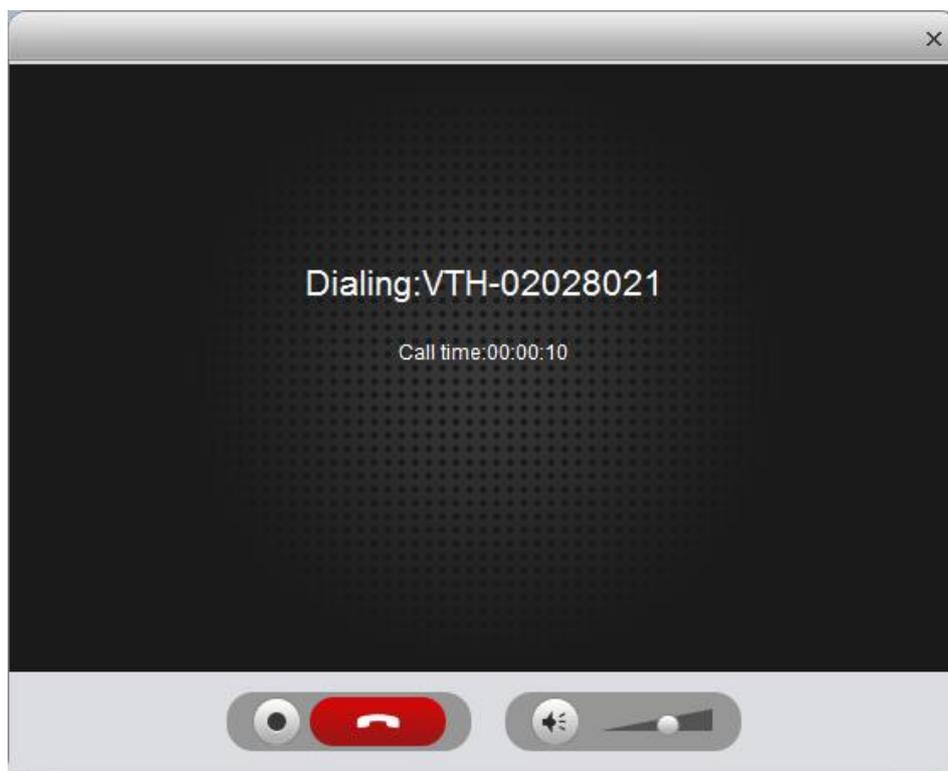


Figure 9-16

- 1) VTH does not accept call in 50s, then client will prompt user and ask if he/she wants to redial. The user may click  again to redial.
 - 2) If the VTH being called is busy, client will prompt user to call again later.
- If Client calls SIP phone in certain room of certain unit.

- 1) Click  on SIP phone card.

See Figure 9-17.

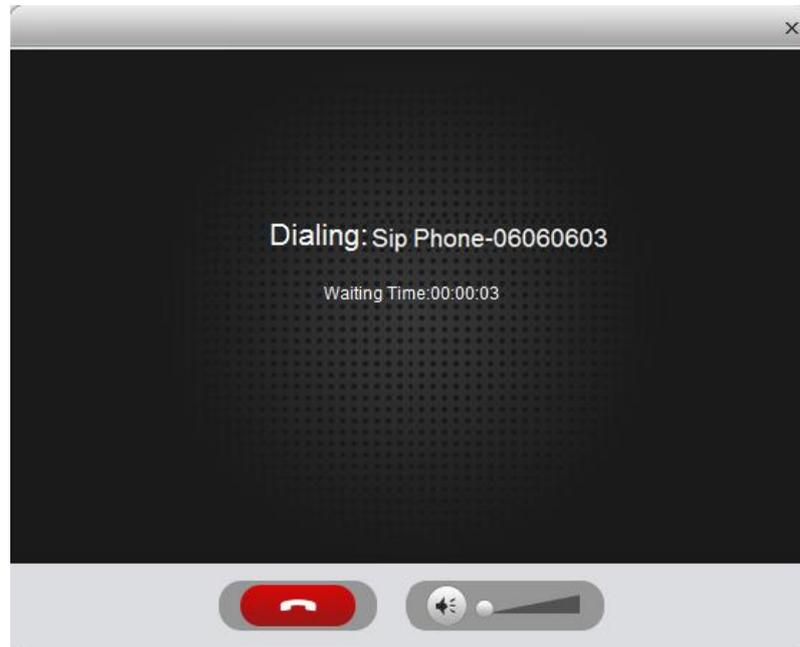


Figure 9-17

- 2) After SIP phone call is picked up, client can have a bidirectional talk with SIP phone, see Figure 9-18.

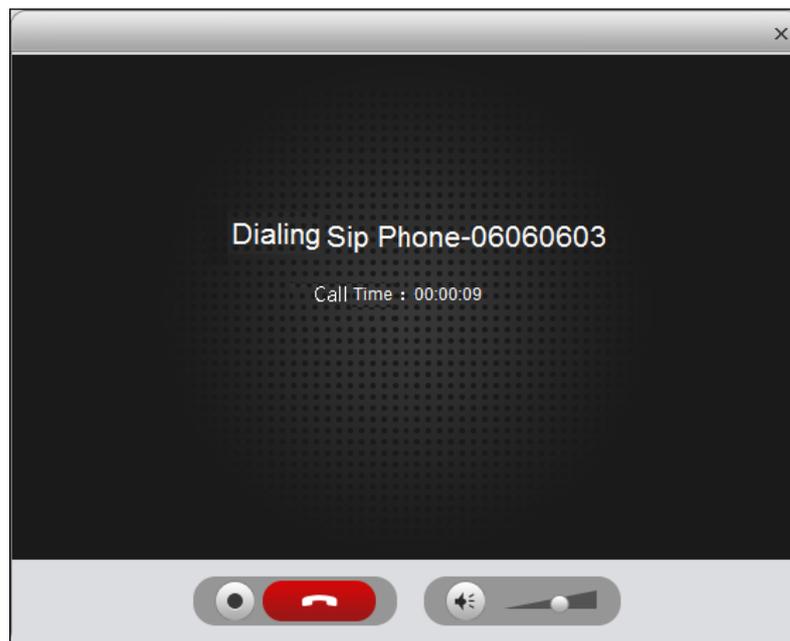


Figure 9-18

- SIP does not accept call in 50s, then client will prompt user and ask if he/she wants to redial. The user may click  again to redial.
- If SIP phone call is busy or hung up directly, client will prompt call busy and ask you to try later.
- If the VTO is calling the client.

Client pops up VTO calling box, see Figure 9-19.



Figure 9-19

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 9-20.

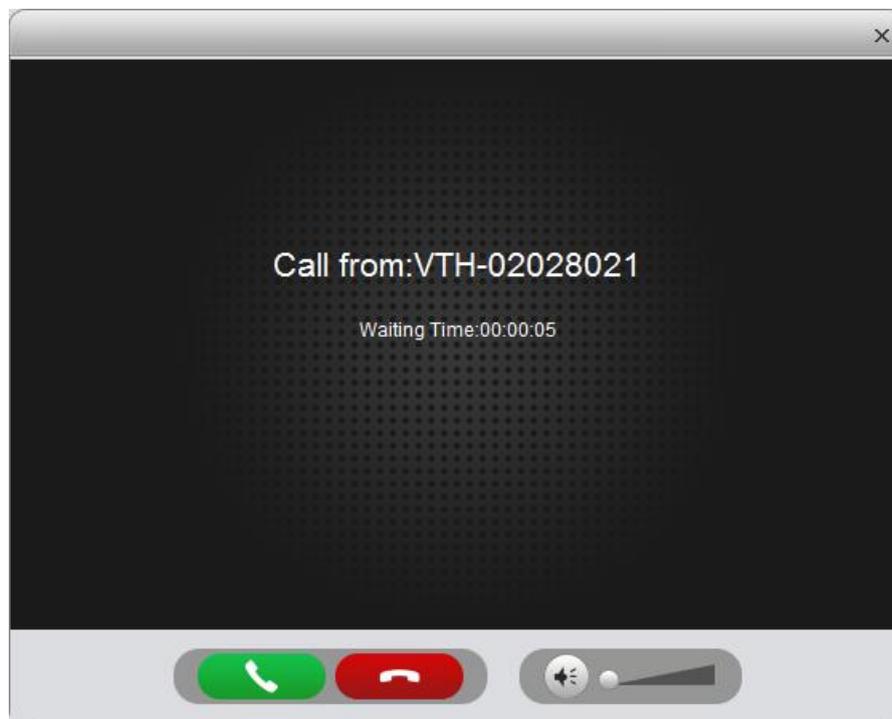


Figure 9-20

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 9-21.

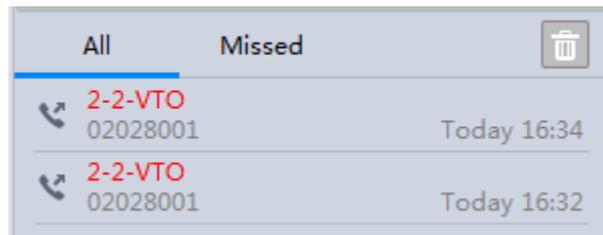


Figure 9-21

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.

For example, The call NO. of Building 12,Unit 1 VTO is12018002. The group call NO. of Build1,Unit 3, Room 00741 is 01030041

9.3.2 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.

9.3.3 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.

10 Statistics

10.1 Statistics

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

Overview

INTIPSIPSRV 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 10-1.

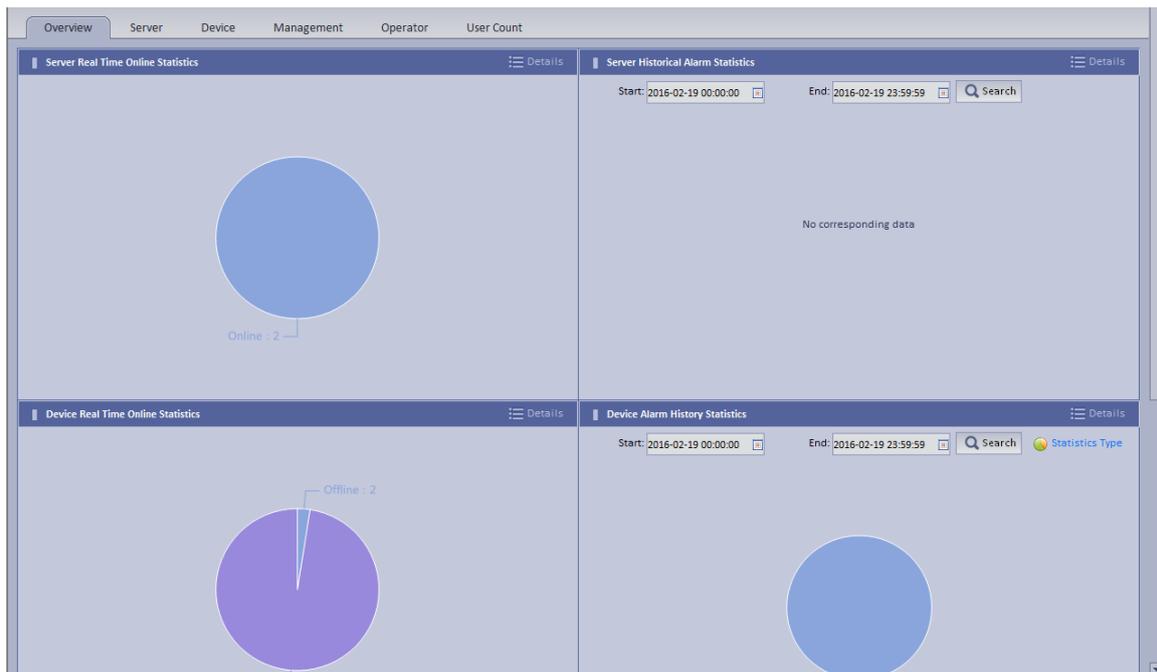


Figure 10-1

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 10-2.

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 10-2

Step 3. Click Statistics Type on the bottom in Overview interface. You will see Figure 10-3.

Statistics Type

- Alarm Input Channel
 - 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
- Video Channel
 - Video Loss
 - Motion Detect
 - Tampering
 - Channel Disconnected
 - Audio Abnormal
- Device
 - Disk Full
 - Disk Error

OK Cancel

Figure 10-3

Step 4. Check designated type and click OK.

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

10.2 Server Management

INTIPSIPSRV 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 10-4.



Figure 10-4

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 10-5.



Figure 10-5

- 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 10-6.

Name	IP Address	Disk Device Status	Video Unit Status	Picture Unit Status	Encode	Operation
Center Server	172.7.56.180	Type: Host Active Status: Active Power Status: Normal Best 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 Best Network Status: Normal Database Status: Abnormal				

Figure 10-6

- Distribution unit

Step 1. Open General>Server>Distribution Unit interface, you can view operation status of master/slave mode server. See Figure 10-7.

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	100270FPA00062	

Figure 10-7

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 10-8.

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	100270FPA00062	
Video Unit					
Name	Service Type	Status			
PCPS(6002)	PCPS	Online			
ARS(3002)	ARS(Active Register Service)	Online			
MCDALARM(19002)	MCD_ALARM	Online			
MCDDOOR(19002)	MCD_DOOR	Online			
MTS(2002)	MTS(Medium Transfer Service)	Online			
SS(1902)	SS(Storage Service)	Online			
DMS(3002)	DMS(Device Management Service)	Online			
VSDS(17002)	VSDS	Online			
Picture Unit					
Name	Service Type	Status			

Figure 10-8

11 All-in-one Card

All-in-one management allow you to add and delete user/card, and authorize user.

Two methods to add cardholder:

- Add one: add one user.
Step 1. Click All-in-one tab.
Step 2. Click Add.
Step 3. Set room no., cardholder, department and etc. and upload user photo, see Figure 11-1.

The screenshot shows a web application window titled "Add Card Holder". At the top, there is a progress bar with three steps: "1 Card Holder", "2 Issue Card", and "3 Authorize". The "1 Card Holder" step is currently active. Below the progress bar, there are several input fields for user information: "Room No." (value: 601), "Card Holder" (value: zhangsan), "Gender" (radio buttons for Male and Female, with Male selected), "DOB" (value: 1971-12-16), "Department" (value: root), and "Mobile" (value: 13656562323). To the right of these fields is a placeholder for a user photo with a "Browse" button. At the bottom of the window, there are two buttons: "Next" and "Save and Exit".

Figure 11-1

Note:

When you upload user image, please Internet Explorer 10 and lower, auto pop up control unit. Install the control unit, then you can upload image, otherwise you will fail. Or, please add this IP address to trusted site list.

- Step 4. Click Next, see Figure 11-2.

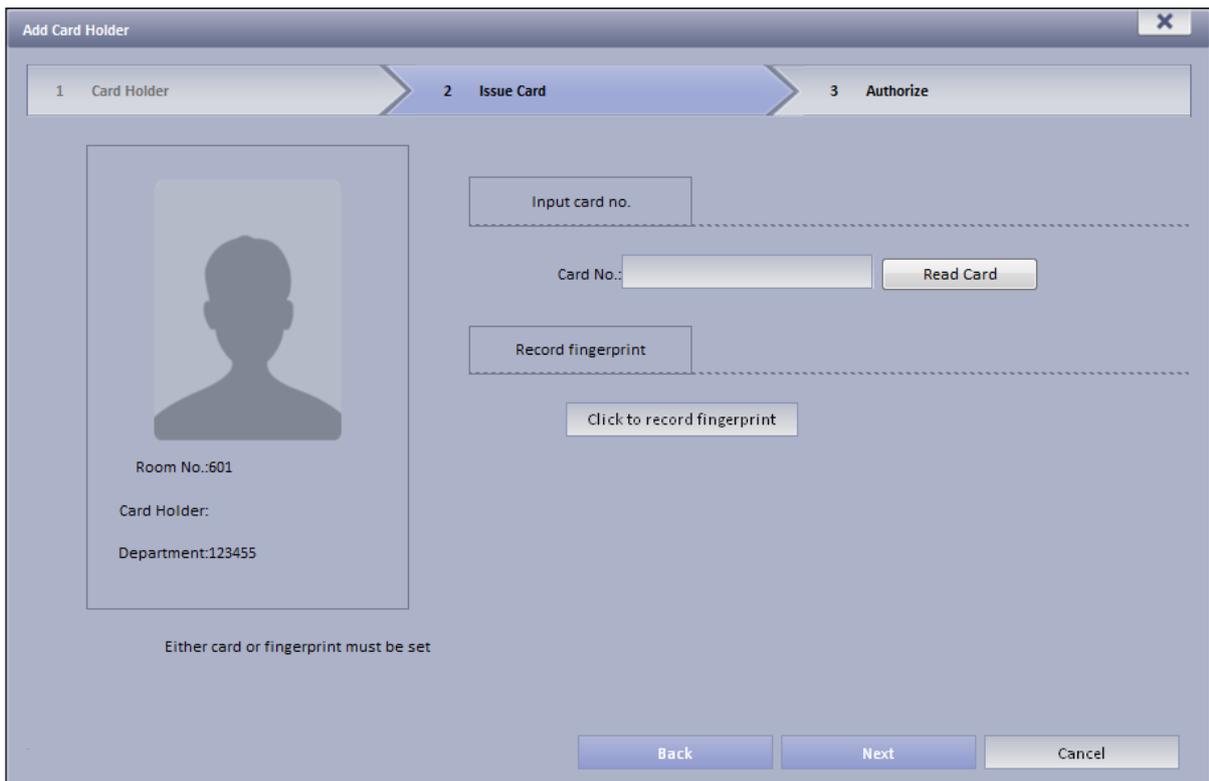


Figure 11-2

Step 5. Read card or record fingerprint.

Note:

- At least one of card no. or fingerprint must be entered.
- Card no. shall be read via card reader, or manual input.
- Recording fingerprint shall be repeated for three times to record identical fingerprint. One fingerprint is recorded at once. You may delete old fingerprint and record again.

Step 6. Click Next.

Step 7. Check Door Access right, see Figure 11-3.

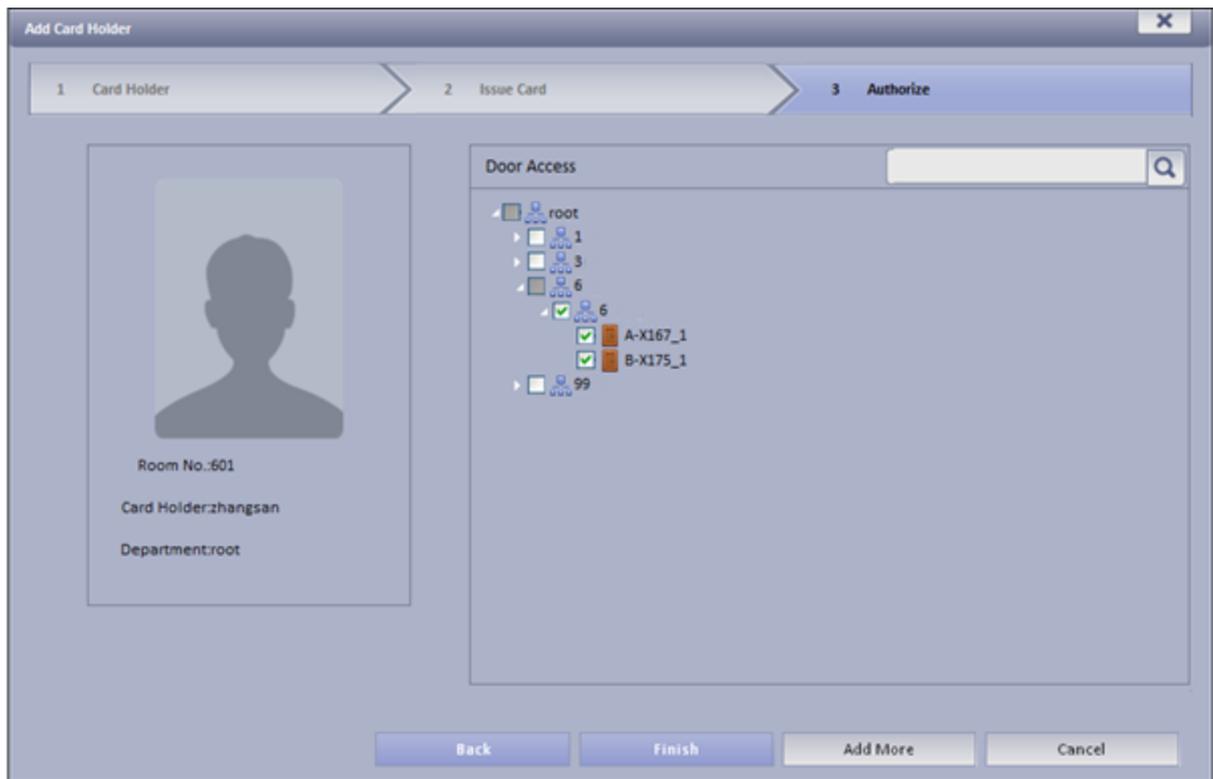


Figure 11-3

Step 8. Click Finish.

Wait about a few minutes for info send to device. In new cardholder list, click  in Operation column, you can view status. If it is , then sending is abnormal, please authorize again.

Click Add More to add another user.

- Batch Add: Add more than one user at once, suitable for condition of many users, can be anonymous.

Step 1. In All-in-one card tab, click Batch Add.

Step 2. Set room no., department, quantity and etc. Card Holder is optional, see Figure 11-4.

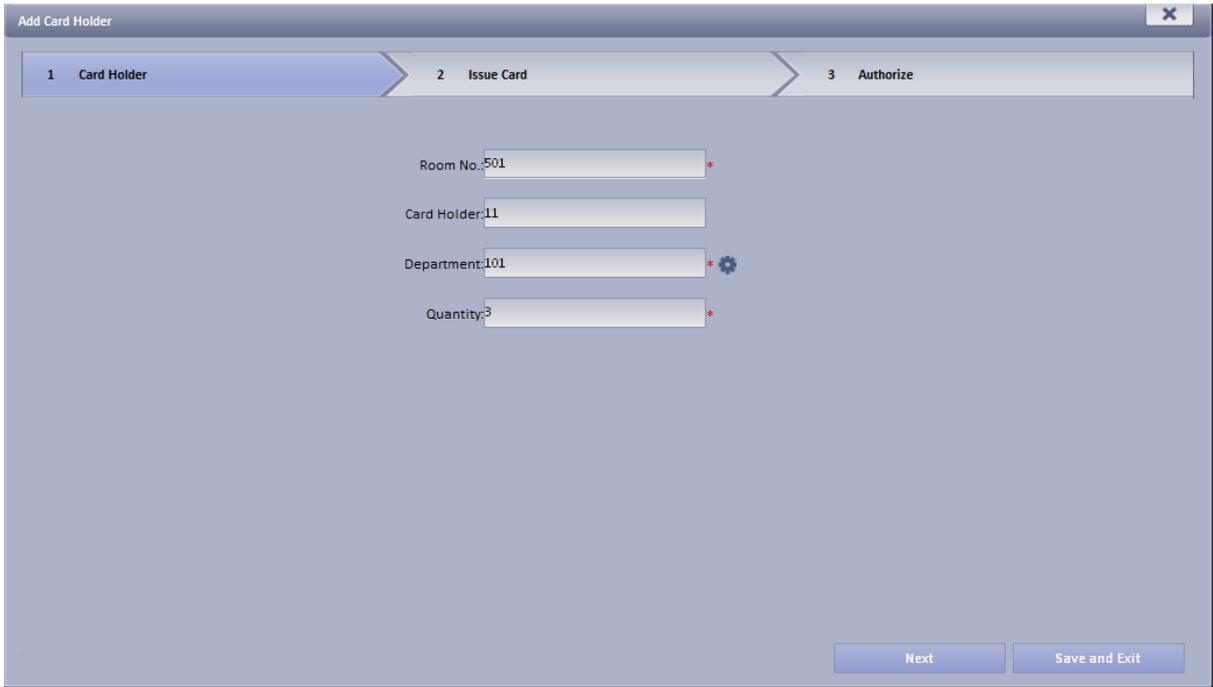


Figure 11-4

Step 3. Click Next.

Step 4. Progressively record card no. according to card holder sequence, click OK. As well as press Read Card button to record no. progressively.

Step 5. Once you complete record one user, click Confirm next to card no. See Figure 11-5.

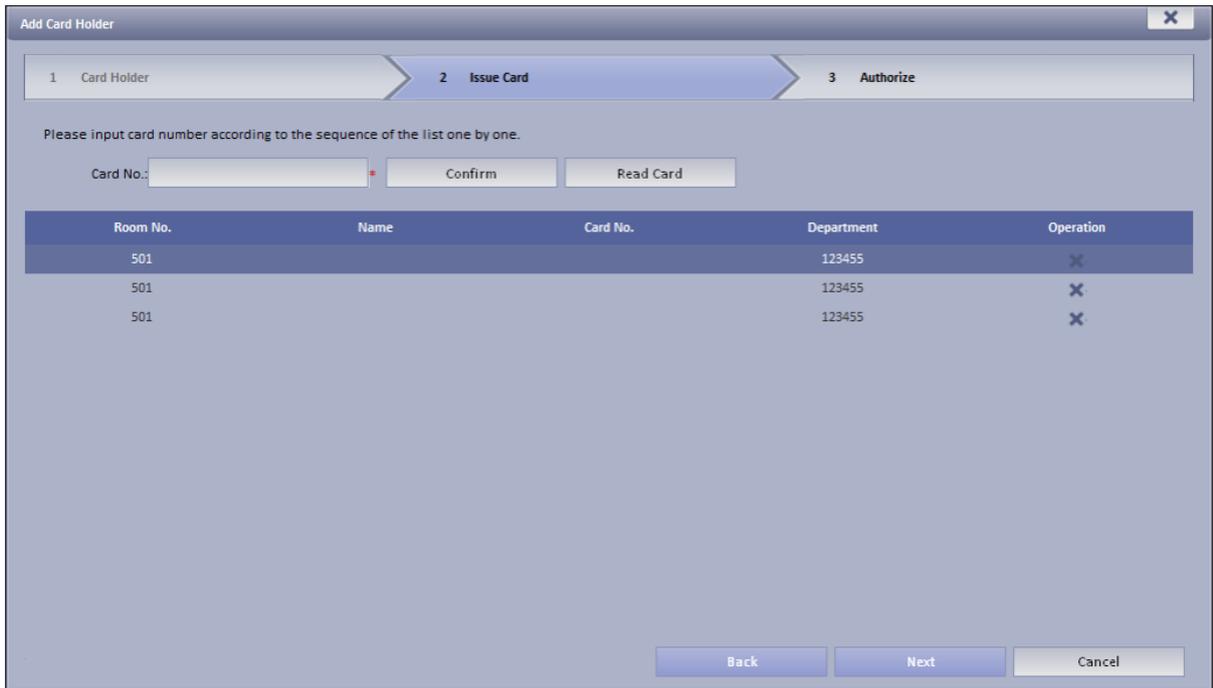


Figure 11-5

Step 6. Click Next, see Figure 11-6.

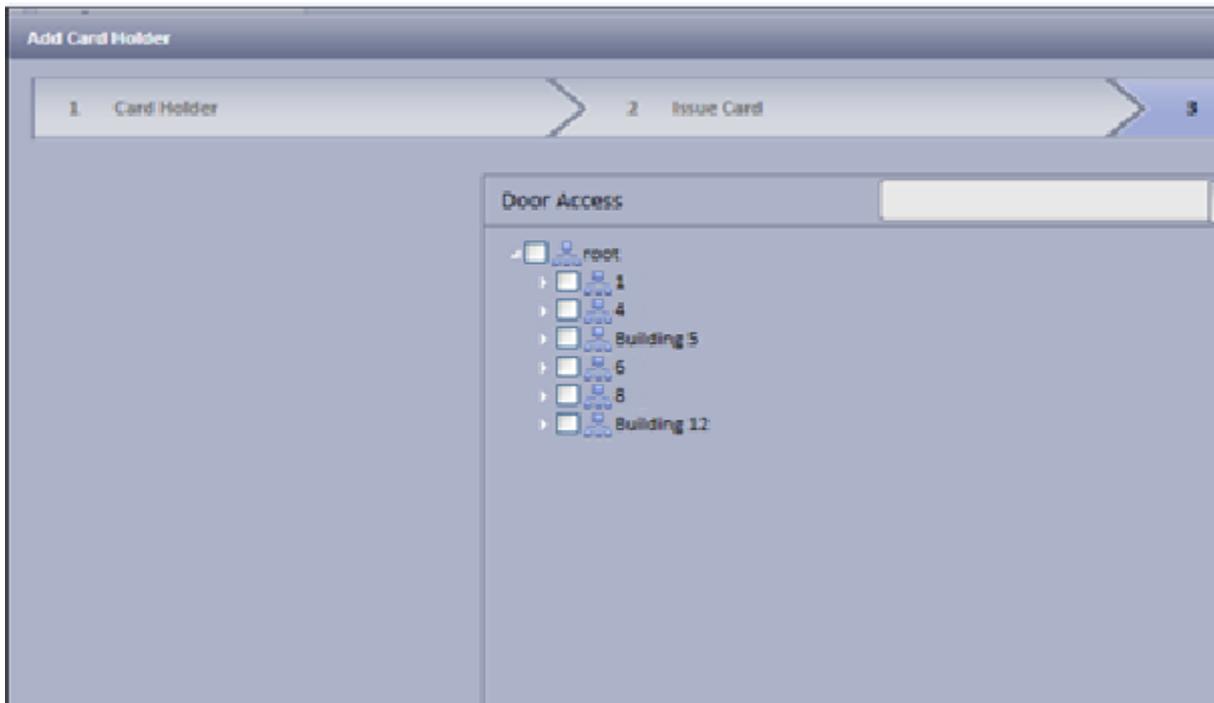


Figure 11-6

Step 7. Check access control right, click Finish.

Wait a few minutes to send info to device, and confirm whether successfully sent on card holder list. Repeat Step 8.

See Figure 11-7.



Figure 11-7

-  **Issue Card** : check unbound user to authorize access control to user.
 - Check unbound user, click .
 - Progressively record card no. according to card holder sequence, click OK. As well as press Read Card button to record no. progressively.
 - Click Next.
 - Check door access right, click Finish.
Wait a few minutes to send info to device, and confirm whether successfully sent on card holder list. Repeat Step 8.
-  **Download Control** : Drive fingerprint device and card reader OCX control. After control unit is installed, insert card reader and fingerprint device into USB port to enable.

- : view authorization info. If it is : authorization error, need to authorize again.
- : manage user entrance/exit info, system supports re-record fingerprint or modify access control right.

1. Click . See Figure 11-8.

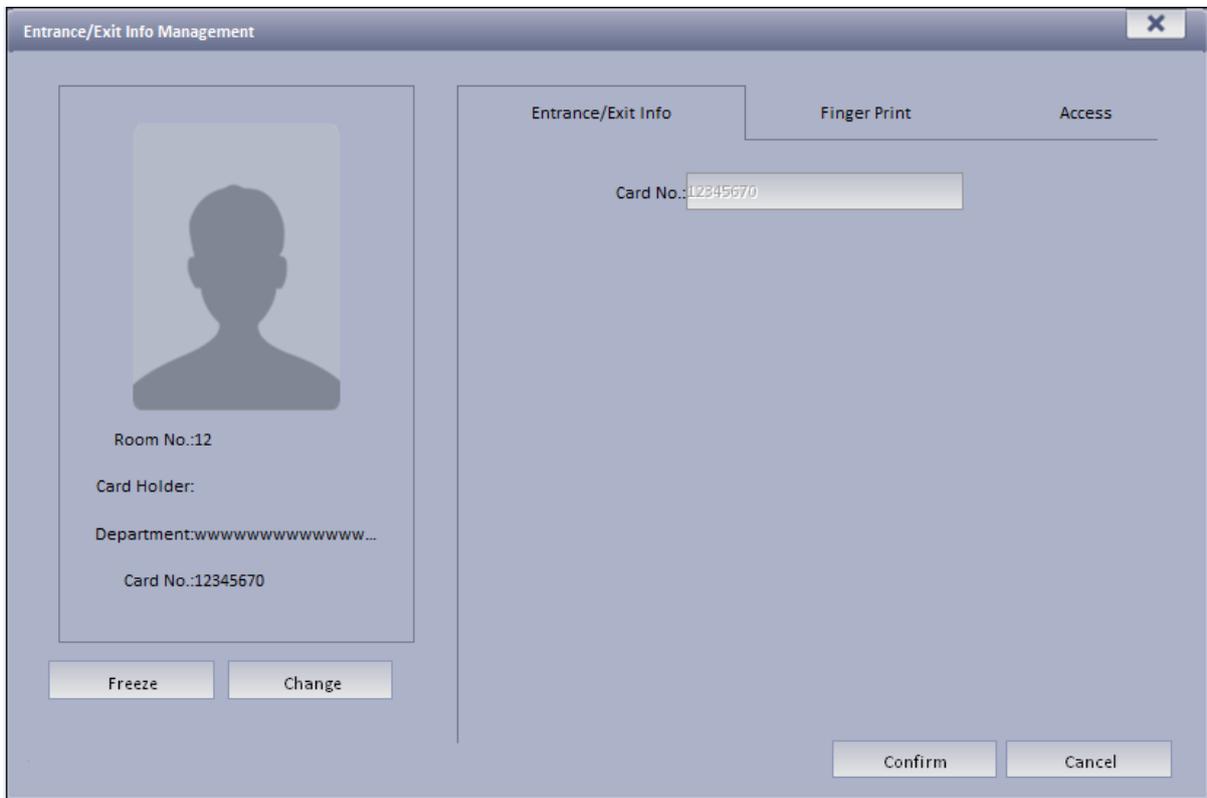
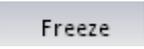
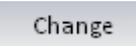


Figure 11-8

2. Click , to freeze lost card.
3. Click  to change card.
4. Click FingerPrint tab, re-record fingerprint for user.
5. Click Right tab, check access control to re-allocate right.
6. Click OK.

12 Other INTIPSIPSRV Manager Operations

12.1 System Config

12.1.1 Upload

INTIPSIPSRV 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 12-1.

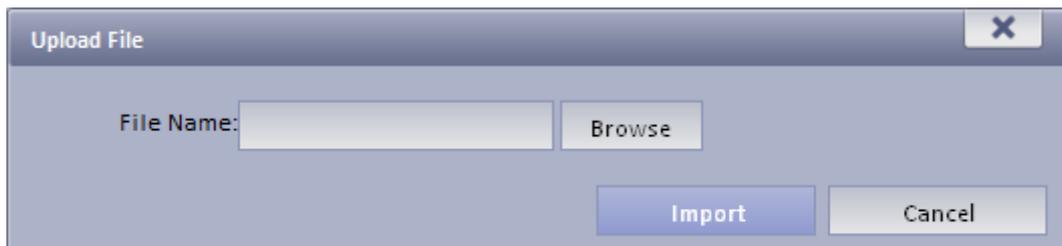


Figure 12-1

Step 3. Click Browse to select file to upload.

Step 4. Click Import to upload selected file.

12.1.2 Backup and Restore

INTIPSIPSRV supports config info backup to local PC, and restoration of the backup file. Note:

Only system user can backup and restore.

12.1.2.1 System Backup

System backup detailed step:

Step 1. Select System>Backup Restore, see Figure 12-

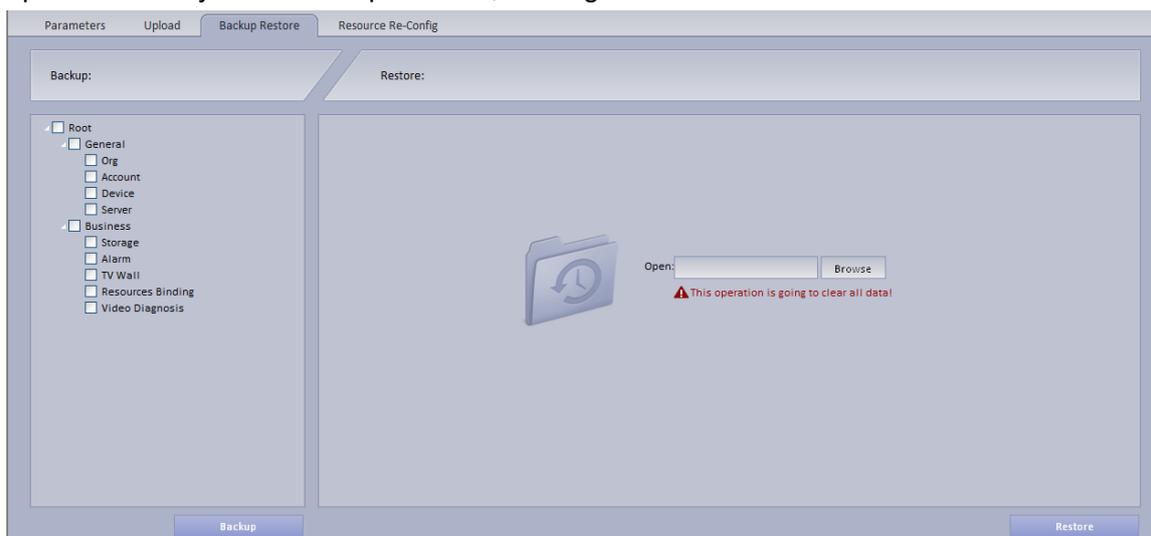


Figure 12-2

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.

12.1.2.2 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.

13 VTSS Mobile Phone Client

VTSS mobile phone client supports intercom interaction between PC client and mobile phone, support to unlock, receive info and live preview.

13.1 Sign Up

After VTSS mobile phone client is installed, you shall sign up to login.



Step 1. Click . See Figure 13-1.

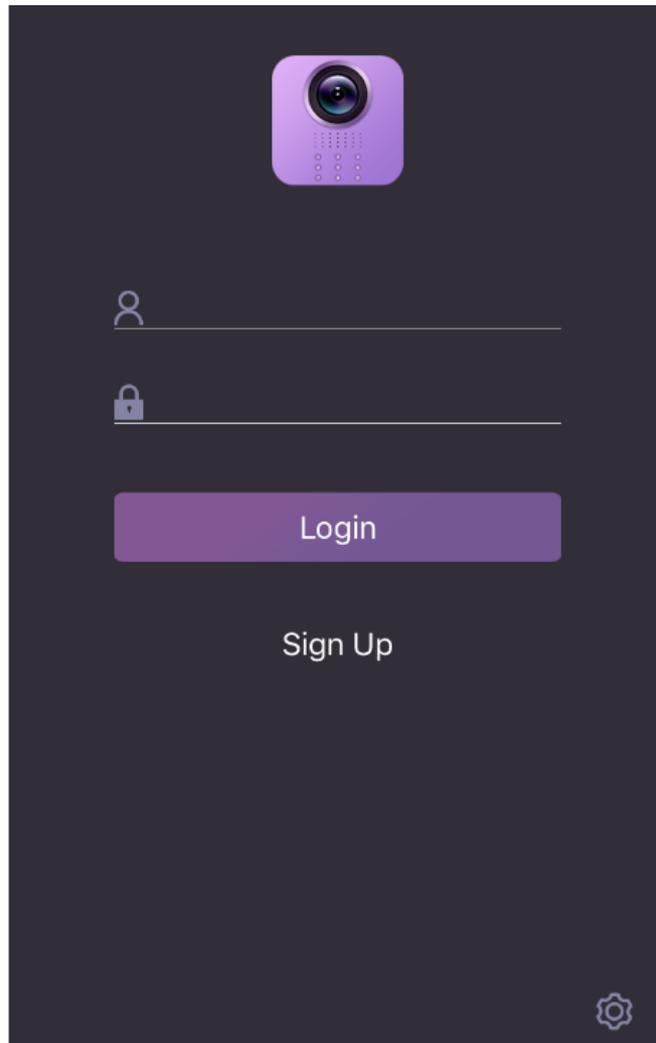


Figure 13-1

Step 2. Click  in lower right. See Figure 13-2.

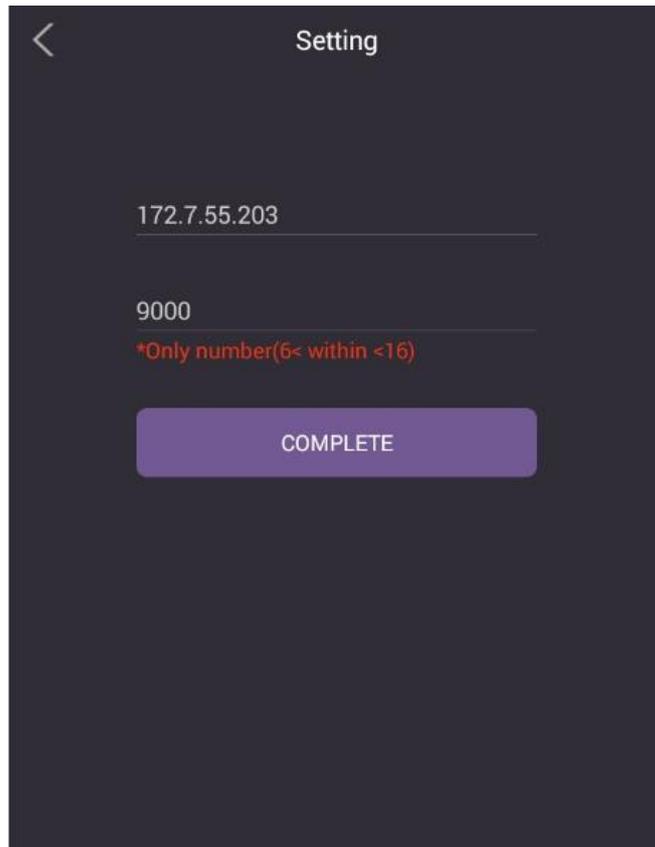


Figure 13-2

Step 3. Enter IP address and port, click COMPLETE.

Step 4. Click Sign Up, see Figure 13-3.

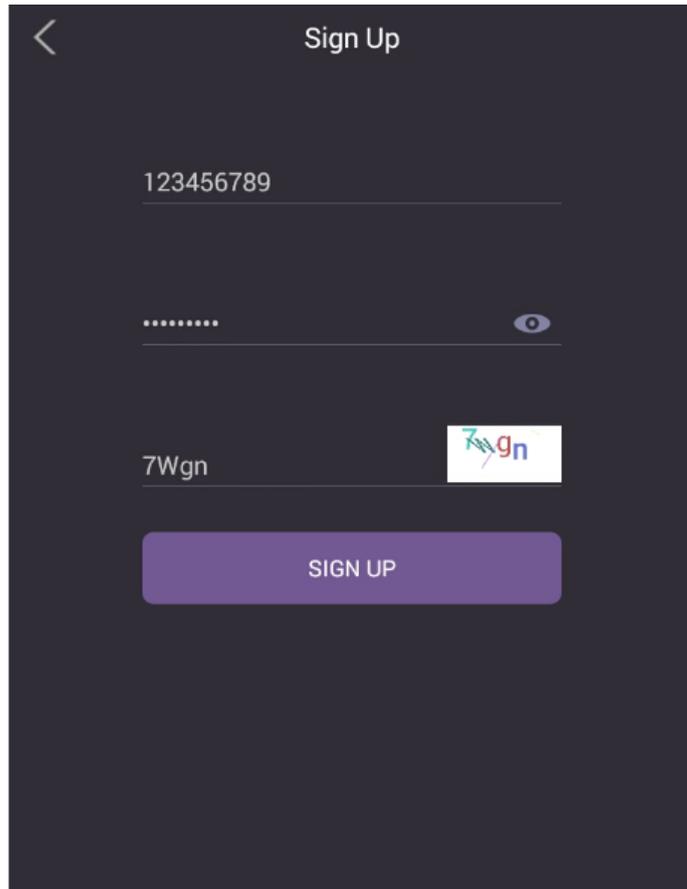


Figure 13-3

Step 5. Enter username, password, verification code, click SIGN UP.

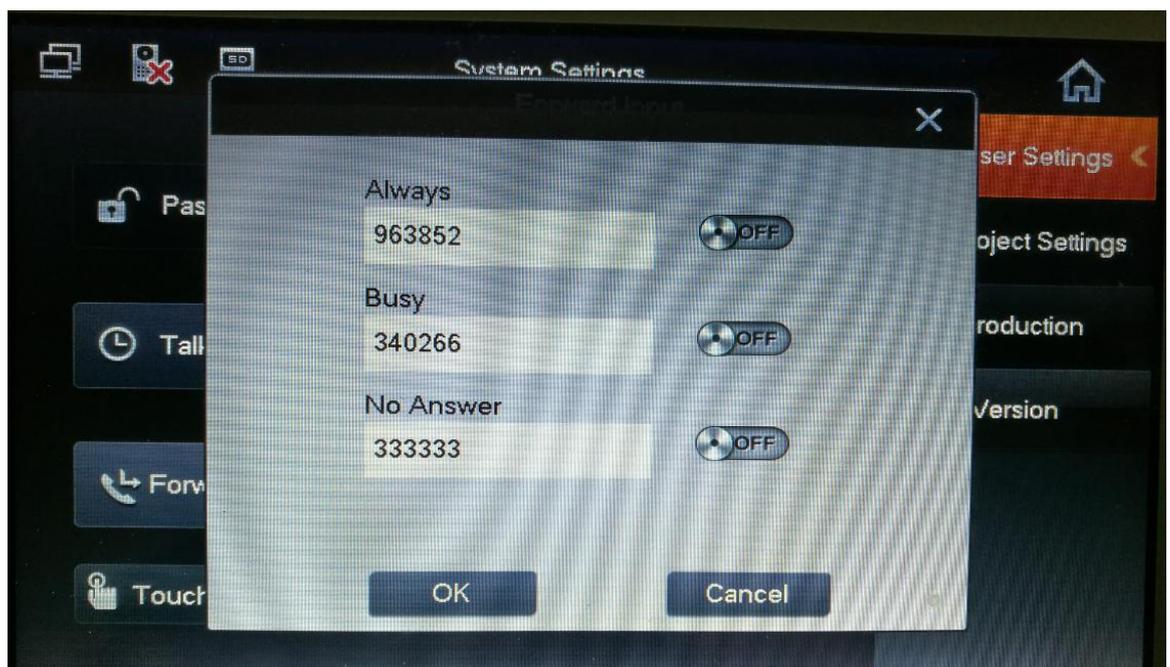
System returns to login interface, click Login.

After signing up the the Mobile username, need bind with the VTH.

Step 1. Login the VTH

Step 2. Click "Setting" in the interface of the VTH

Choose "User Settings>Forward", see Figure 13-4



- Step 3. Choose “Always”, and enable, it will transfer to mobile once someone call in
- Step 4. Choose “Busy”, and enable, it will transfer to mobile when the VTH is busy
- Step 5. Choose ”No Answer”, and enable, it will transfer to mobile when the VTH no response
- Step 6. Click “OK”

13.2 Login

Step 1. Enter username, password to login, see Figure 13-.

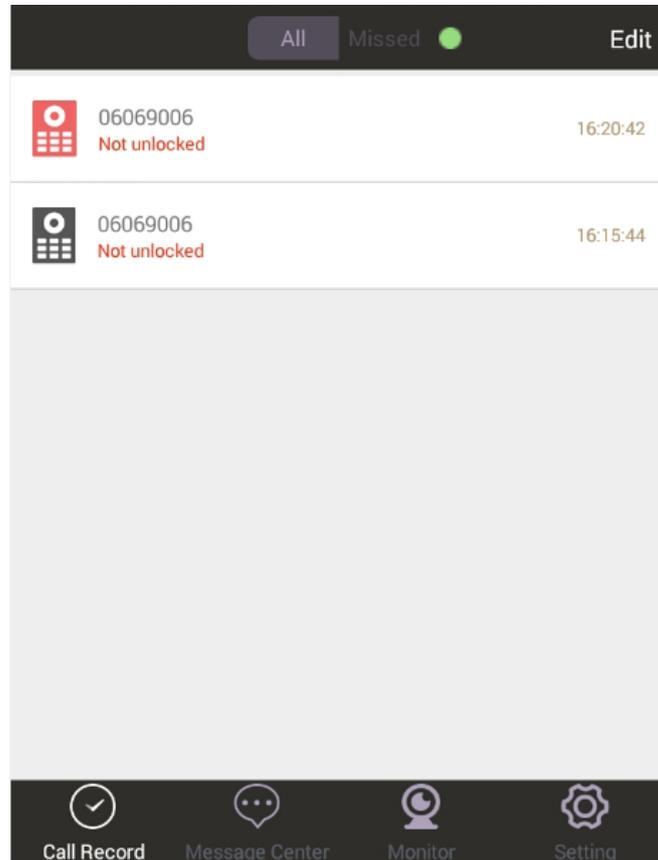


Figure 13-5

Call Record interface shows all call records, including unlocked, not unlocked and et.

Step 2. Click Missed tab, it shows missed record.

Step 3. Click Edit in the upper right, to delete record, see Figure 13-.

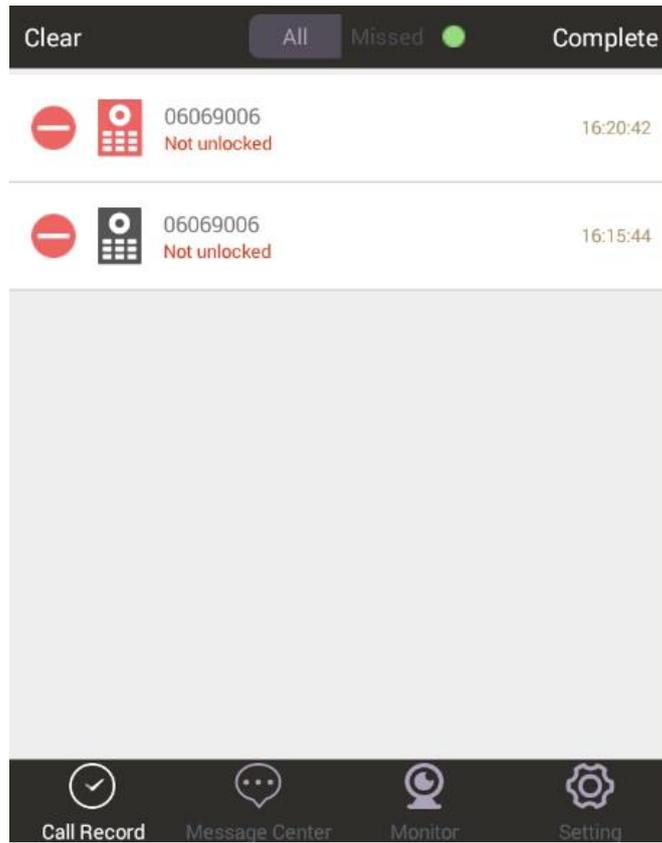


Figure 13-6

13.3 Call Transfer

13.3.1 Passive Accept

Step 1. VTO calls VTH, transfer to VTS mobile phone client, see Figure 13-.

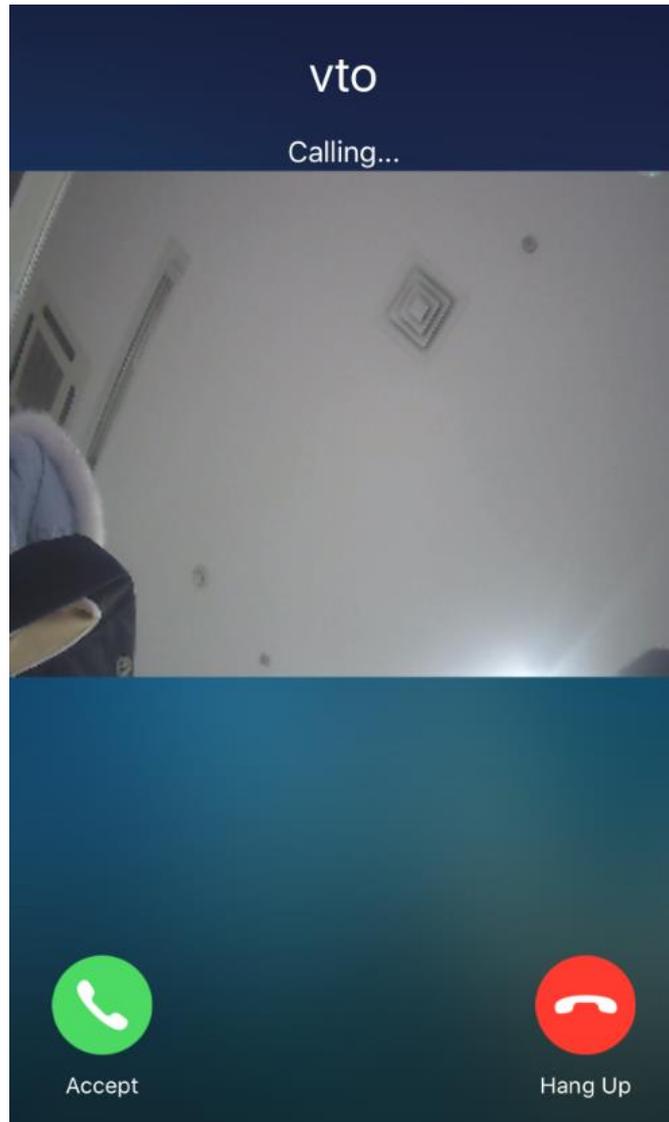


Figure 13-7

Step 2. Click  to accept call, see Figure 13-.

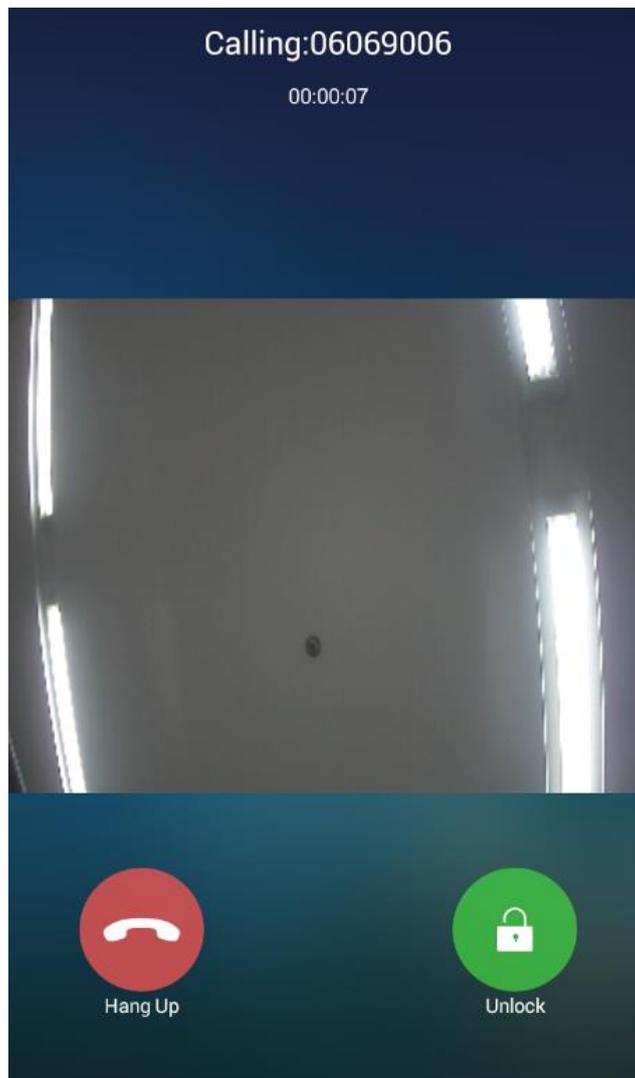


Figure 13-8

Step 3. Click  to unlock.

13.3.2 Unlock Record

Click Message Center, the interface shows all unlock records, including mobile phone client call transfer, VTH unlock and etc.

See Figure 13-.

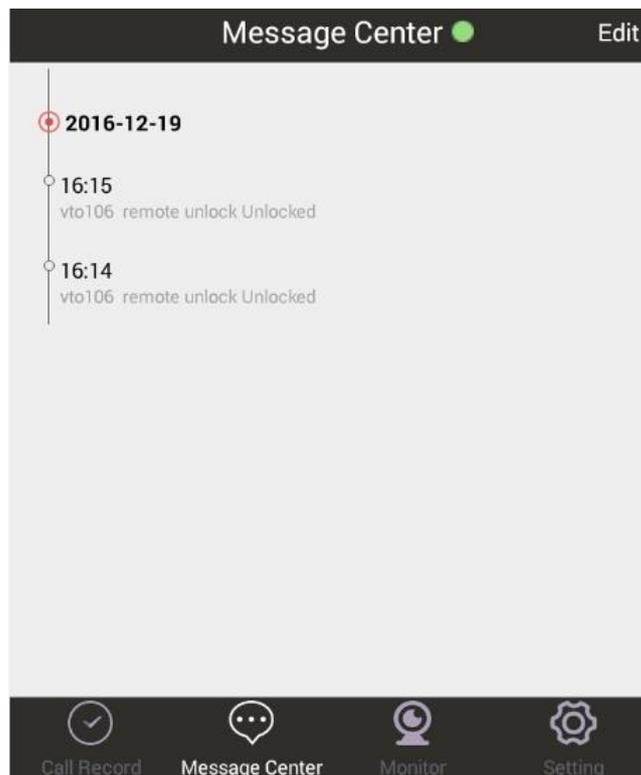


Figure 13-9

Click Edit in the upper right, to delete record.

13.4 Monitor

Step 1. Click Monitor, show VTO live preview, see Figure 13-.

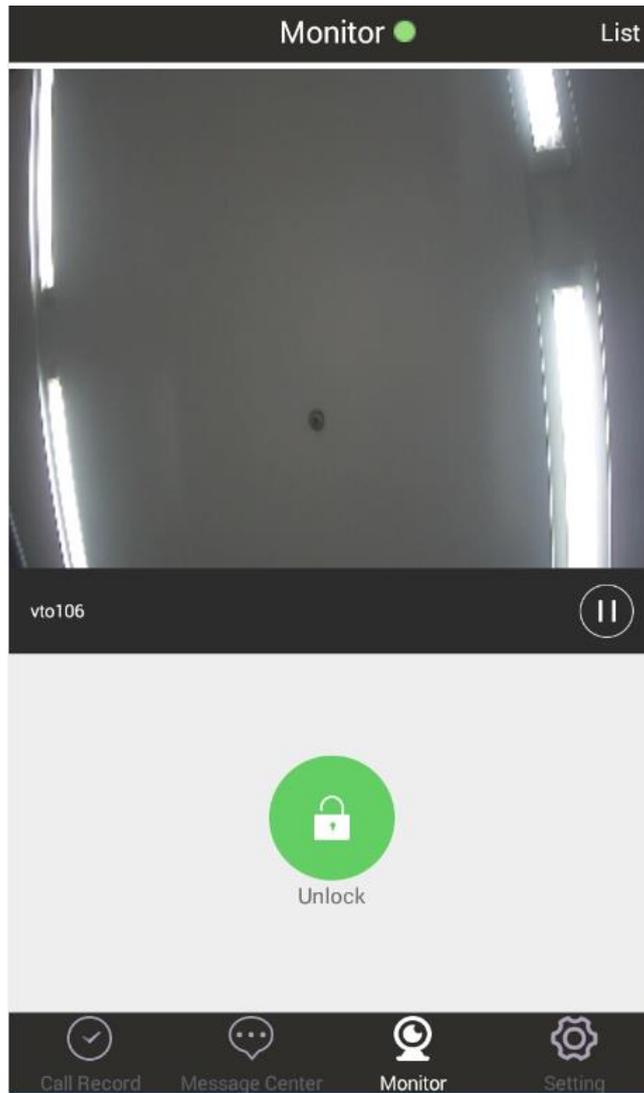
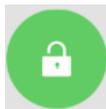


Figure 13-10



Step 2. Click , to remotely unlock.

Step 3. Click List in the upper right, to show linked video channel, see Figure 13-.

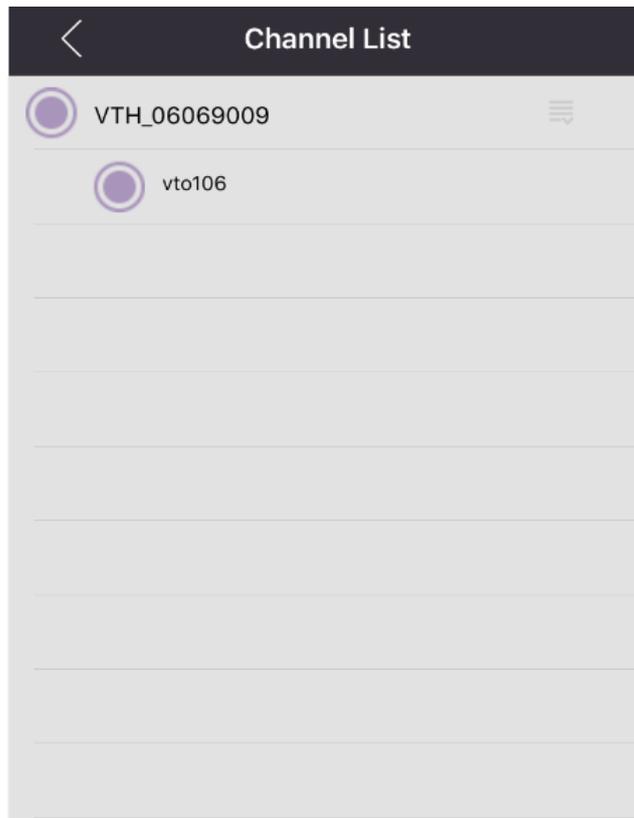


Figure 13-11

13.5 Setting

Click Setting, see Figure 13-.

The interface shows login user and login time.

Support enable/disable Receive Unlock Message, Message Tone (default), and Receive Offline Call.

Click Logout to exit.

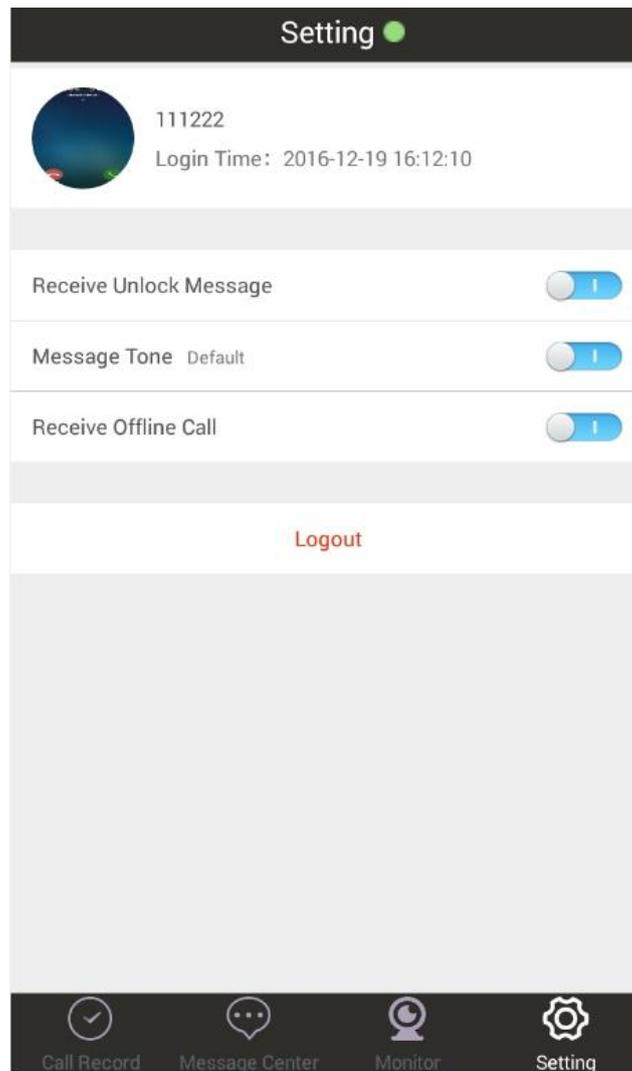


Figure 13-12

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.