



User Manual



DSS Express

■ V1.00.000

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Welcome

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

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

Here you can find detailed operation information about DSS.

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Important Safeguards and Warnings

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

Note:

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

Warning:

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

Special Announcement

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

1 Overview

- **Product Positioning**

DSS Express is an important surveillance platform product in DSS family (Dahua Security Software), design for medium-small project. DSS Express integrates video, access control, intercom, alarm controller, entrance & exit, facial recognition and etc., combining with front-end device function. DSS Express supports simple, reliable, open and more features which bring user with HD, smart, safe experience. Meantime, DSS Express adopts standard C/S structure, and there are free and premium versions available.

- **Highlights**

- Standard C/S structure, client integrates config and management function
- Global logic config page, different users will see different config content
- Hardware decoding, output more HD videos
- Find device, quickly add device, quickly manage device
- Password error-lock user, find back password via security questions, anti-attack
- https certificate input
- Auto and manual back up data
- Provide platform secondary development SDK docking

2 Before Installation

2.1 Set Server IP Address

Step 1. Connect server and switch via Ethernet cable.

Step 2. Click “Start”, and select Network, see Figure 2-1.

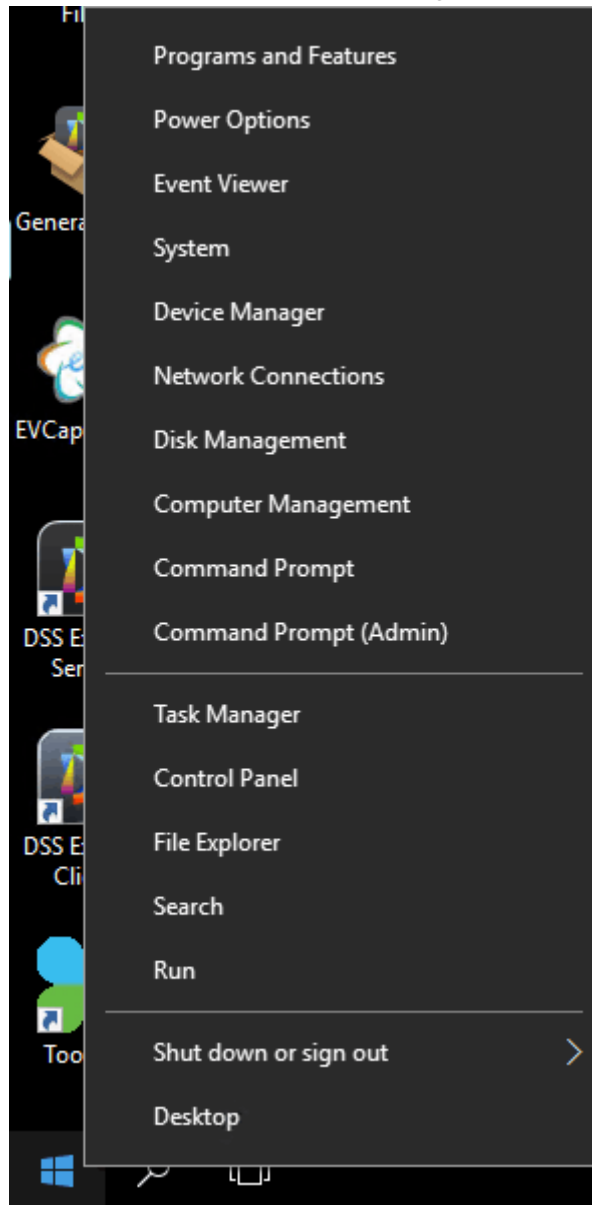


Figure 2-1

Step 3. In-pop up page, select “Change adapter settings”, see Figure 2-2.

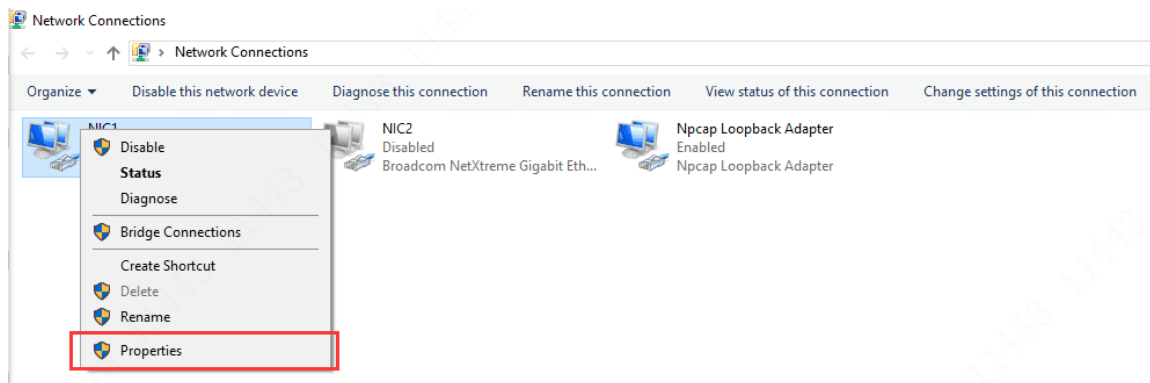


Figure 2-2

Step 4. In Figure 2-3, select corresponding network card to set IP V4 address.

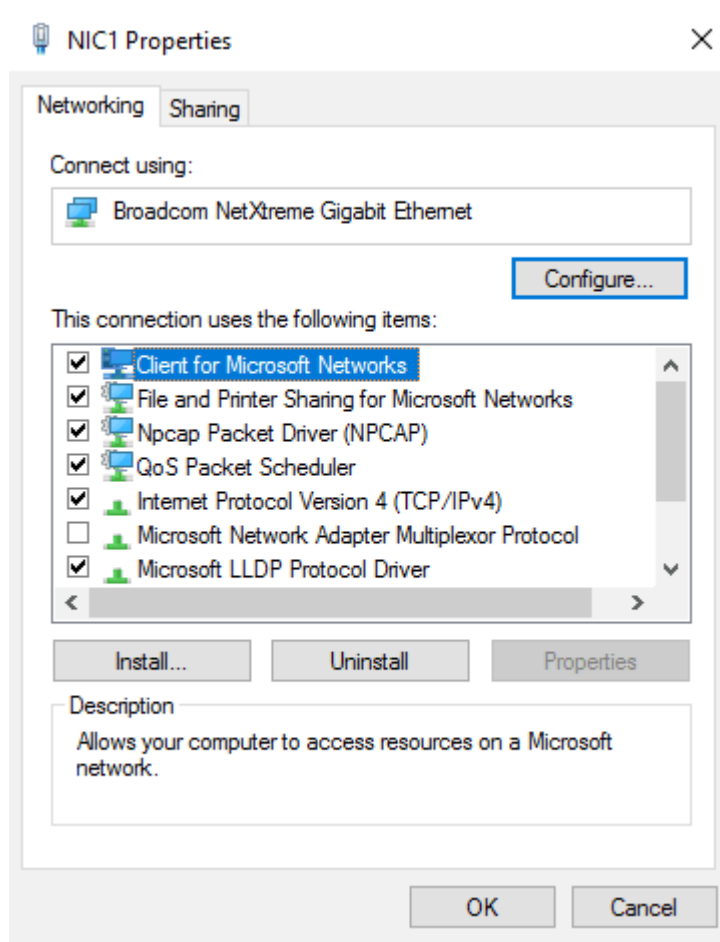


Figure 2-3

2.2 Set Server System Time

Step 1. Click system time at the lower right corner in windows, see Figure 2-4.

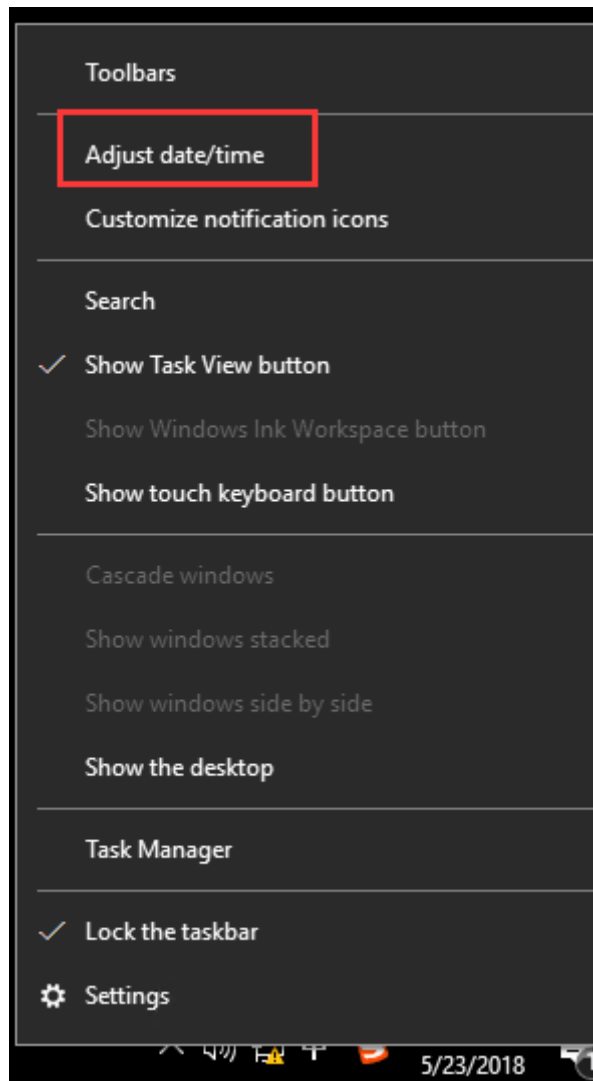




Figure 2-4

Step 2. Set time zone and DST, see in Figure 2-5 .

Settings

 Home

Time & language

 **Date & time** Region & language Speech

Date and time

4:22 PM, Wednesday, May 23, 2018

Set time automatically

☒ On

Set time zone automatically

☐ Off

Change date and time

Time zone

Adjust for daylight saving time automatically

☐ Off

Formats

First day of week: Sunday

Short date: 5/23/2018

Long date: Wednesday, May 23, 2018

Short time: 4:22 PM

Long time: 4:22:48 PM

[Change date and time formats](#)

Related settings

[Additional date, time, & regional settings](#)[Add clocks for different time zones](#)

Figure 2-5

3 Install &Run DSS Express

3.1 Server Config Requirement

Server config requirement is in Chart 3-1.

DSS Server Hardware Requirement	
Recommend	CPU: Intel® Xeon® CPU E3-1220 v5 @3.00GHz Memory: 8GB Ethernet card: 1Gps DSS path capacity: 500G and higher
Low-end	CPU: I3-2120 Memory: 8GB Ethernet card: 1Gps DSS path capacity: 200G and higher

Chart 3-1

3.2 Installation & Run

Step 1. Double click to install and enter installation mode, see Figure 3-1.

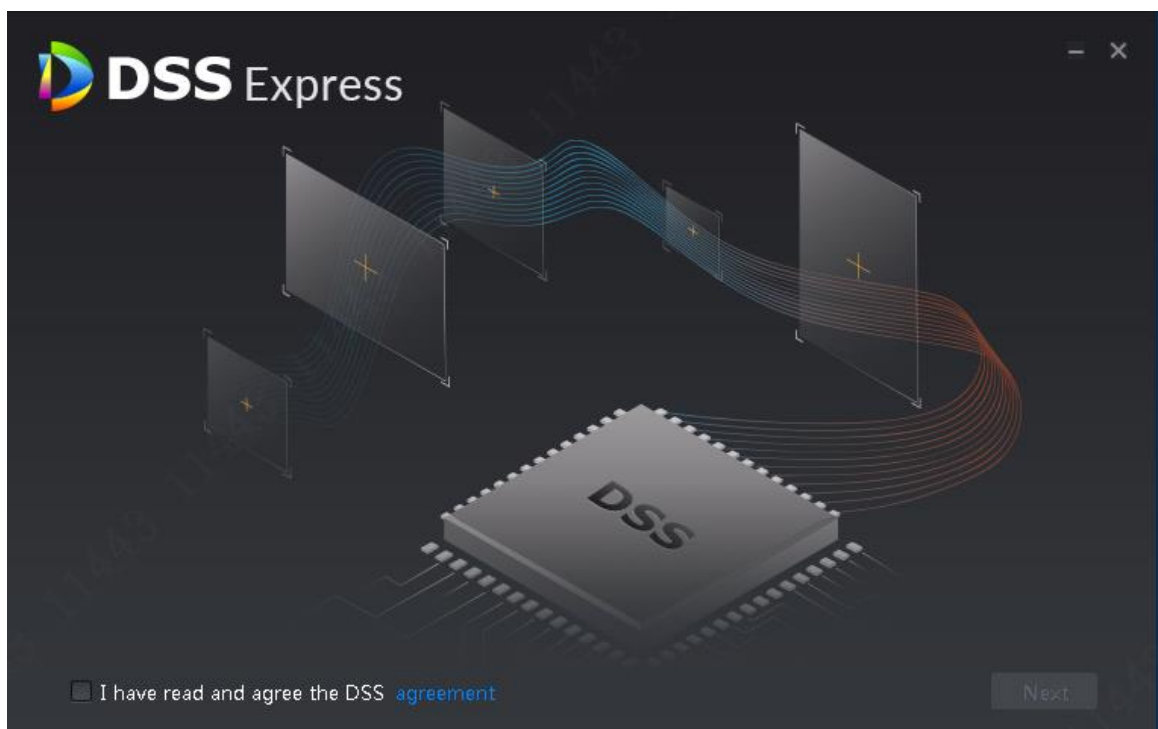


Figure 3-1

Step 2. Please check I have read and agree the DSS agreement, see Figure 3-2. Click “Next” button to enter next step.

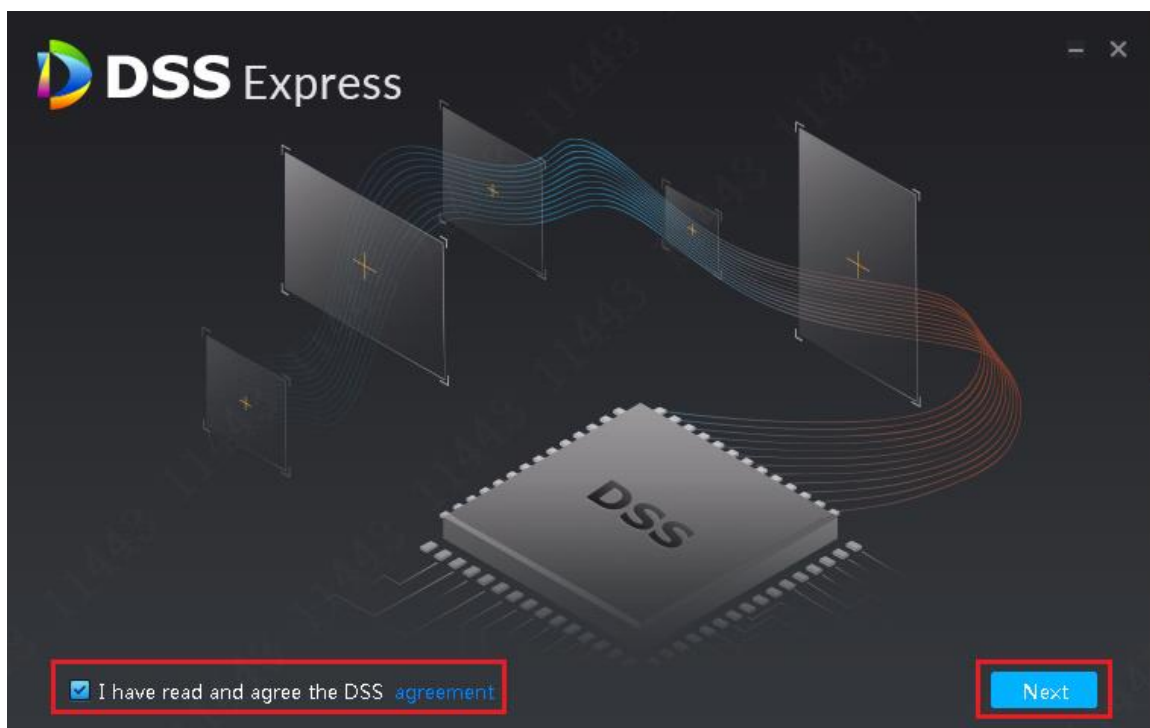


Figure 3-2

Step 3. Based on network setup, determine if you will change Https port, default port is 443, see Figure 3-3, If you do not change it or have completed change, click “Next” button to enter next step.

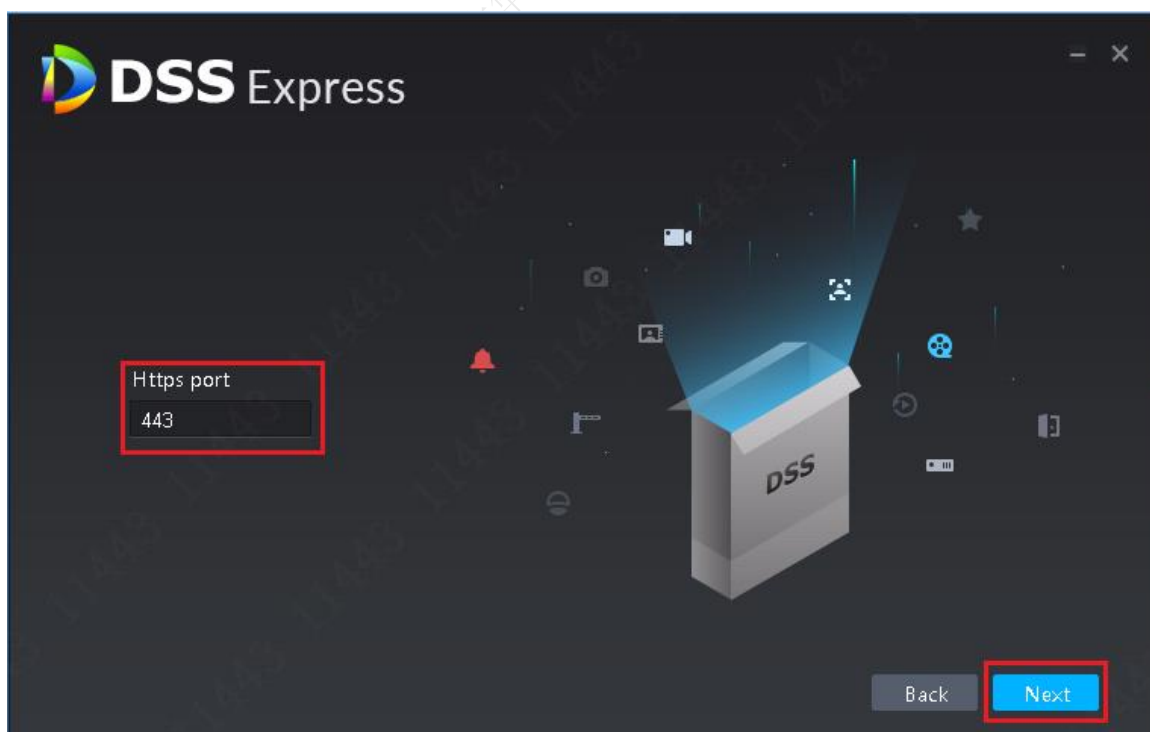


Figure 3-3

Step 4. Server default installation path is C:\DSS Express\Server, the system will auto detects free space in this path, see Figure 3-4. If want to change path, click “Browse” button to select other installation path, and then click “Install” button to install.

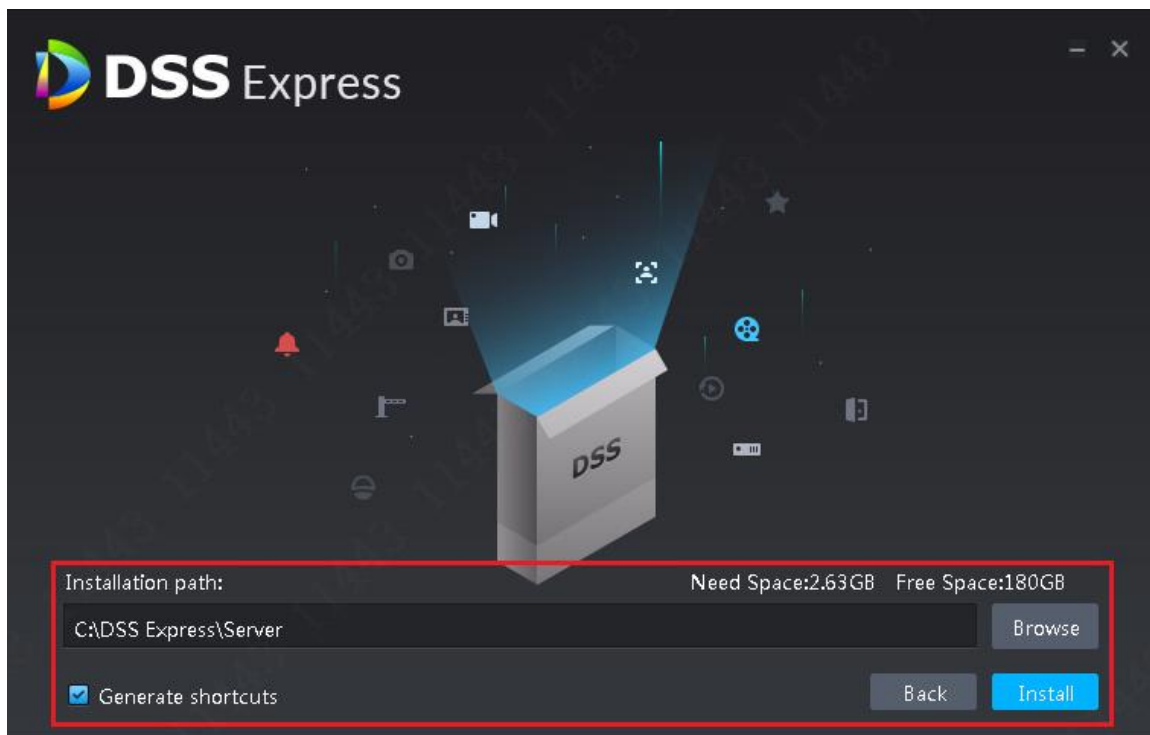


Figure 3-4

Note:

- If "Install" button is grey, please check if installation directory is correct, or if free space in this directory is enough for the system.

Step 5. Progress is in Figure 3-5. The whole process needs about 5-10 minutes, please wait.



Figure 3-5

Step 6. Installation is complete, click "Run" button to open server, see Figure 3-6.



Figure 3-6

3.3 Change Initial Password

Step 1. After installation is complete, you must download and log in DSS Express Client to change system initial password. Client PC config requires:

DSS Client PC Hardware Requirement	
Recommend	CPU:i5-6500 Main Frequency:3.20GHz Memory:8GB Graphics Card:Intel® HD Graphics 530 Ethernet Card:1Gbps DSS Client Directory Space:100GB
Low-end	CPU:i3-2120 Main Frequency:3.20GHz Memory:4GB Graphics Card:Intel® HD Sandbridge Desktop Gra Ethernet Card:1Gbps DSS Client Directory Space:50GB

Chart 3-2

Step 2. To download client, in Internet Explorer, enter DSS Express server and IP address to enter Manager, and then click Client corresponding button to download, see Figure 3-7.

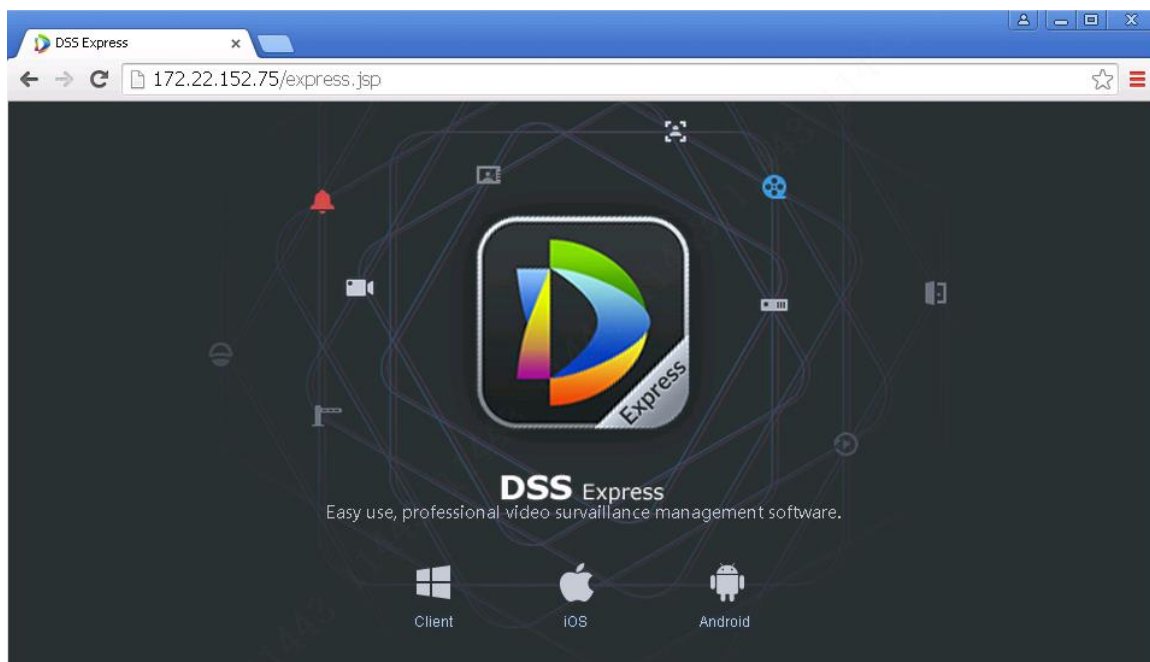


Figure 3-7

Step 3. double click the client installation file to install, see Figure 3-8.



Figure 3-8

Step 4. Check I have read and agree the agreement, see Figure 3-9. Then click “Next” button to go to next.



Figure 3-9

Step 5. System default installation path is in Figure 3-10. If you want to change installation directory, click “Browse” button to change. After you select a path, click “Install” button to start installation.

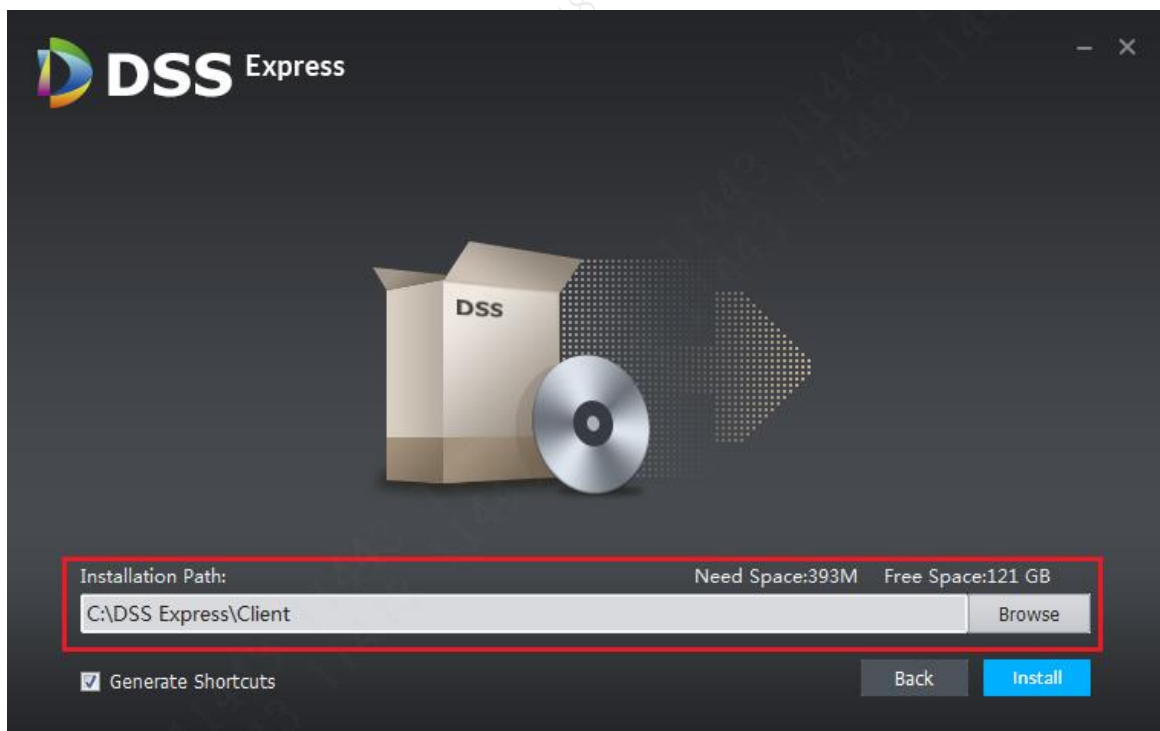


Figure 3-10

Note:

- If “Install” button is grey, please check if installation directory is correct, or if free space in the directory is enough for system.

Step 6. Progress is in Figure 3-11, and this process needs about 1-3 minutes, please wait.



Figure 3-11

Step 7. Installation is complete in Figure 3-12, click “Start now “button to run the client.

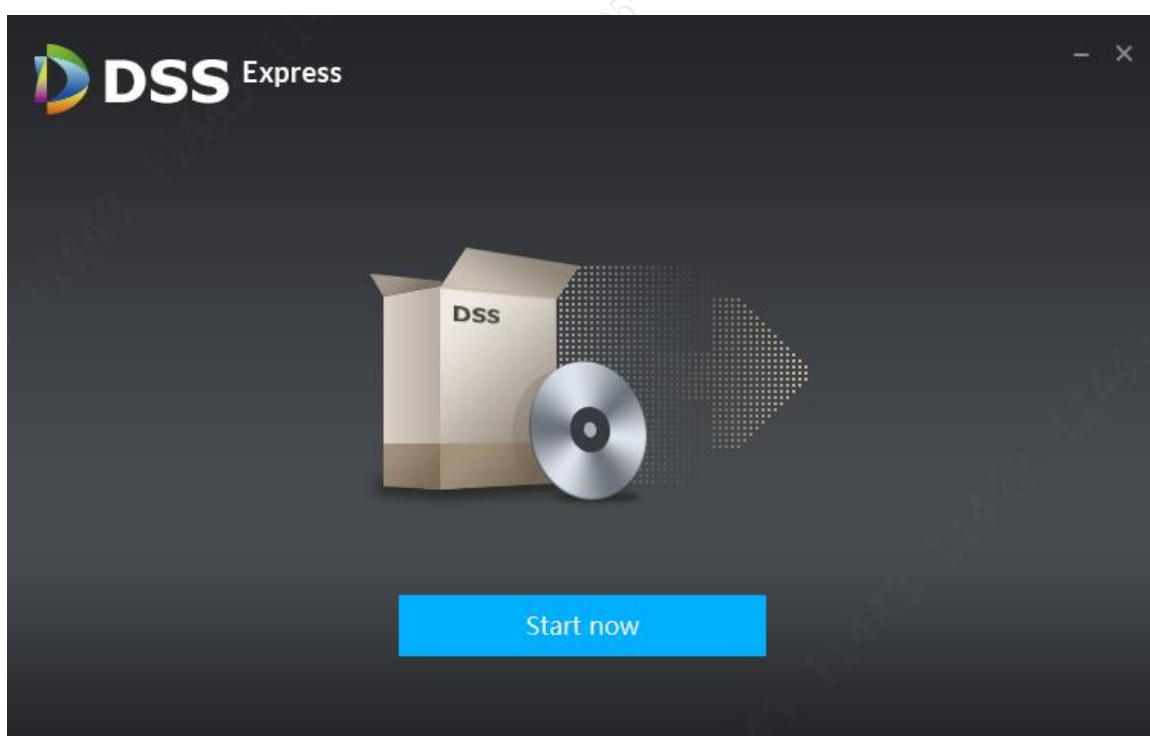



Figure 3-12

Step 8. Client login page is in Figure 3-13. Please click  to expand server config page.

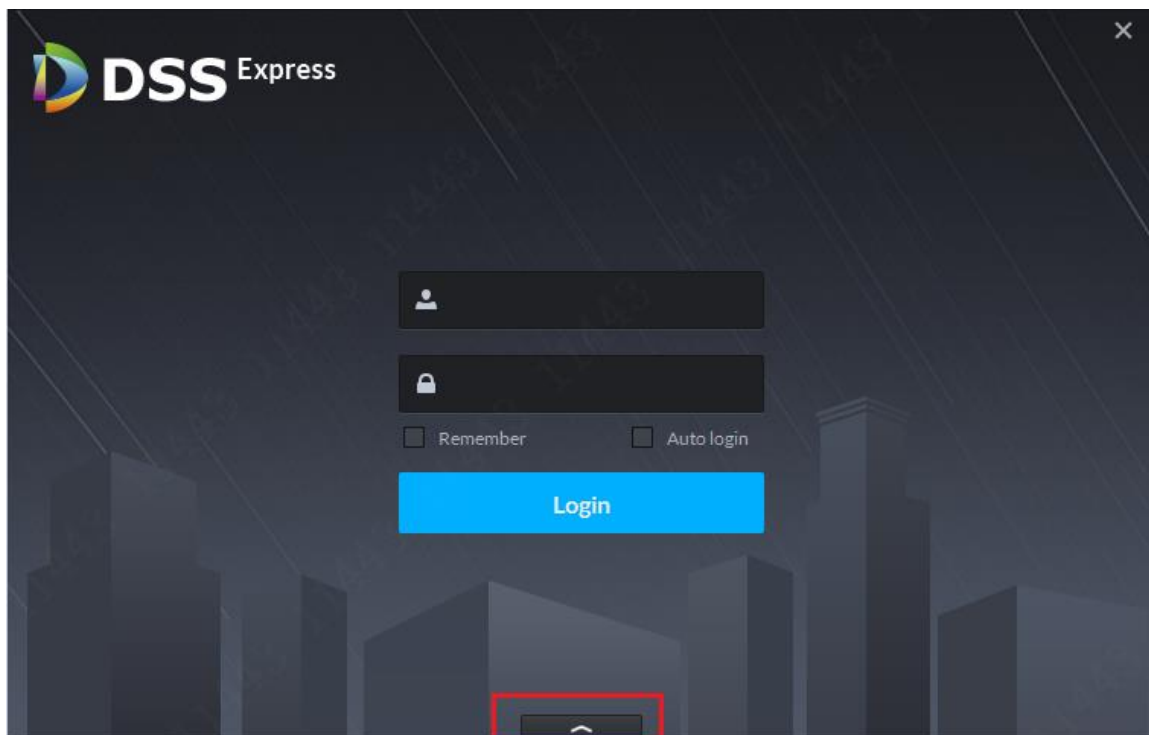


Figure 3-13

Step 9. In this page, fill in DSS Express server IP, port (default is 80), username (default is system), password (initial password is 123456), click “Login” button to log in, see Figure 3-14.

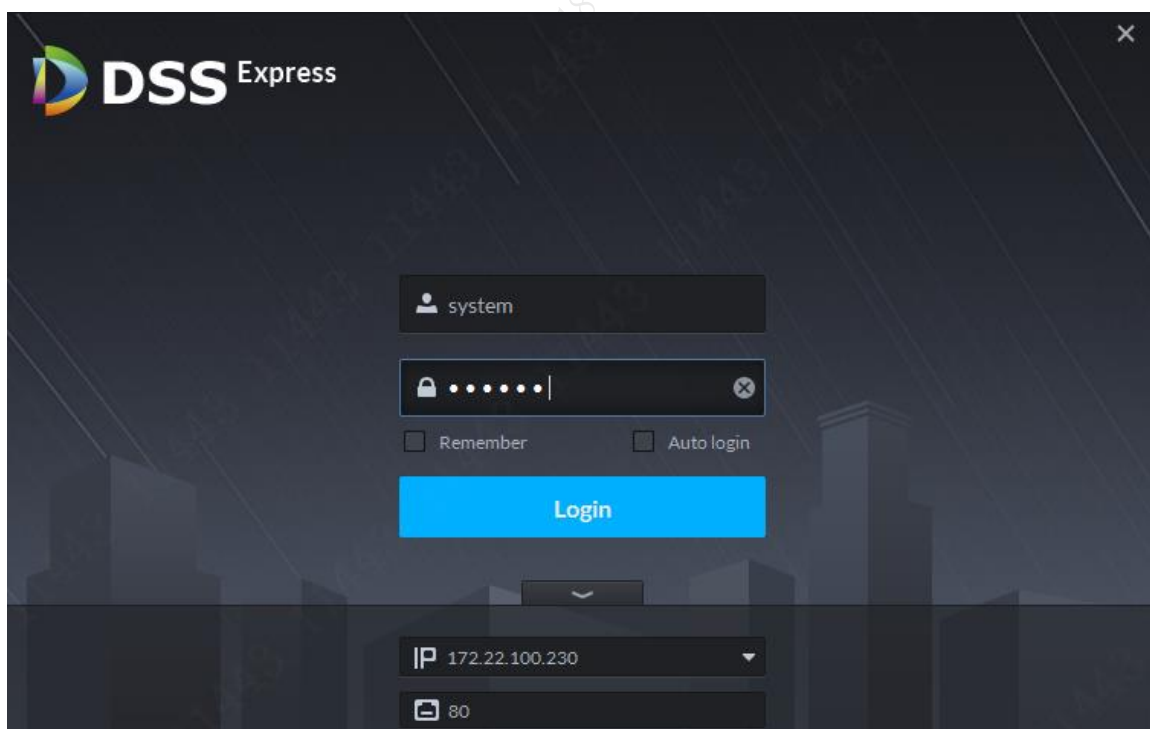
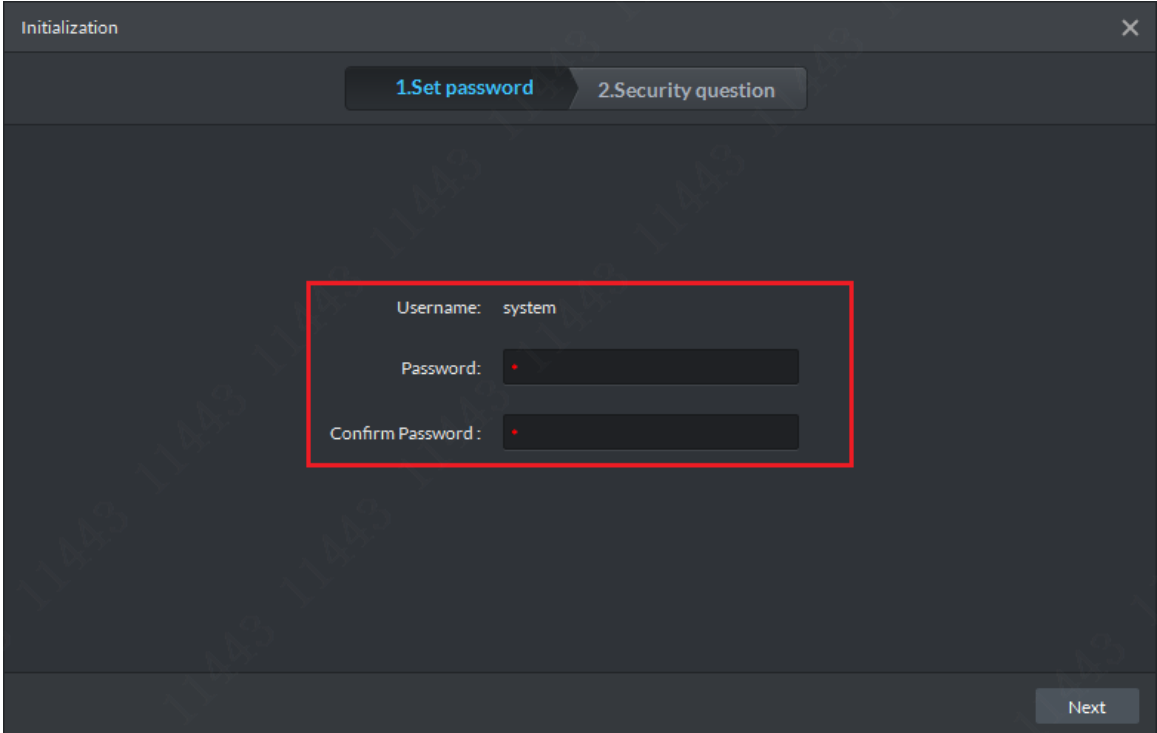


Figure 3-14

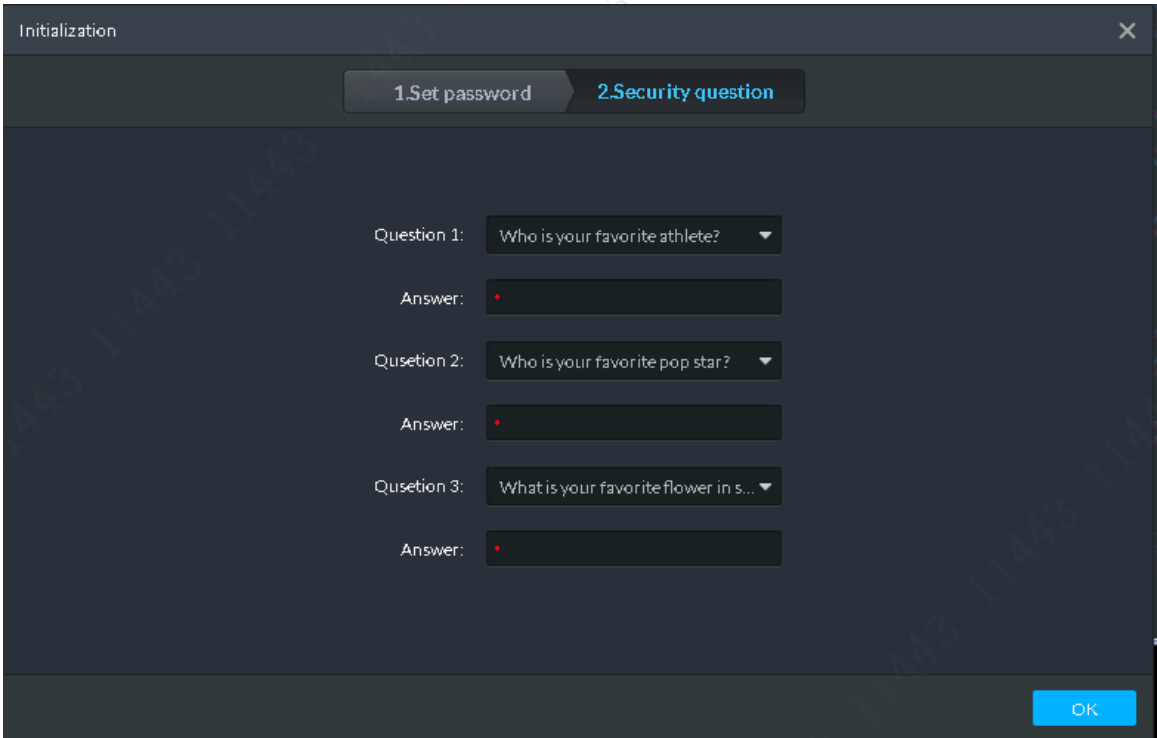
Step 10. When initial password is not changed, you log in the client will see Password setup page, see Figure 3-15. Enter new administrator password, and click “Next” button to enter security question setup.



The image shows a software initialization window titled "Initialization". At the top, there are two tabs: "1.Set password" (which is active and highlighted in blue) and "2.Security question". The main area of the window contains a form for setting a password. It includes a "Username:" label with the value "system" entered. Below it are two password fields: "Password:" and "Confirm Password:", both with red dots indicating they are required. A red rectangular box highlights the entire password setting section. At the bottom right of the window is a "Next" button.

Figure 3-15

Step 11. In Figure 3-16, complete security questions accordingly, click "lock" button to complete initial password change.



The image shows the same "Initialization" window, but now the "2.Security question" tab is active and highlighted in blue. The "1.Set password" tab is dimmed. The main area contains three security questions, each with a dropdown menu for the question and a text input field for the answer. The questions are: "Question 1: Who is your favorite athlete?", "Question 2: Who is your favorite pop star?", and "Question 3: What is your favorite flower in s...". Each question has an "Answer:" label and a red dot indicating it is required. At the bottom right of the window is a blue "OK" button.

Figure 3-16

Step 12. Click "OK" button and system completes change and auto log in client homepage, see Figure 3-17.

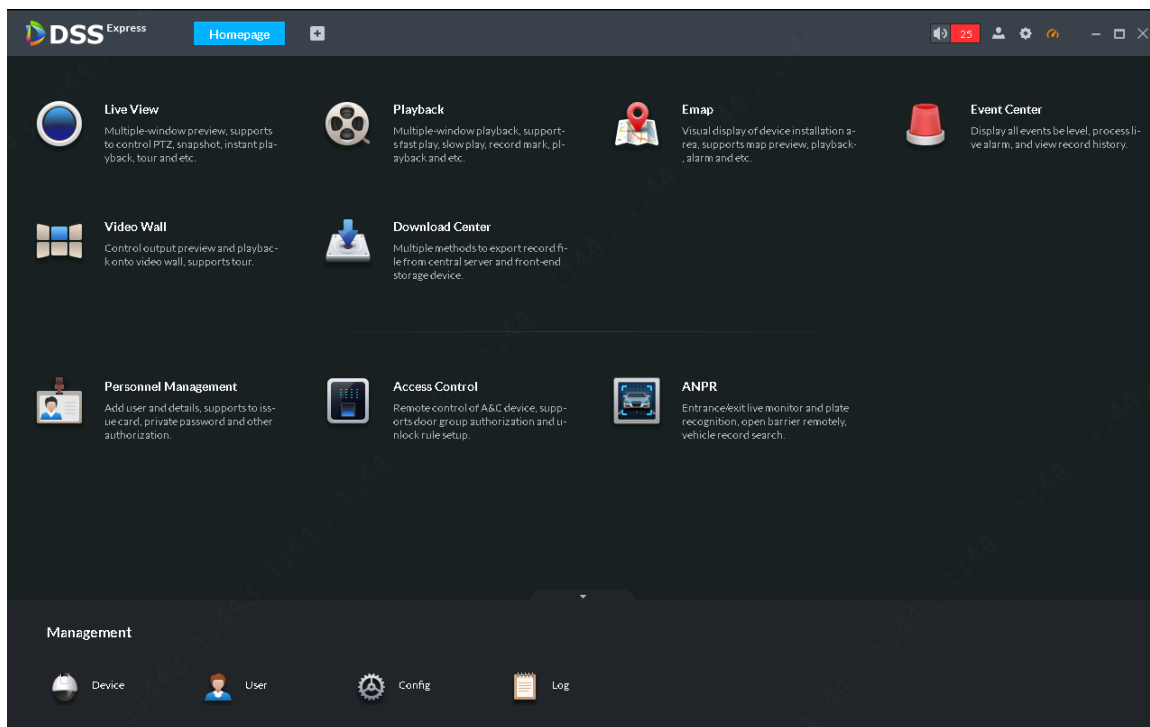


Figure 3-17

3.4 DSS Server Login

Step 1. On desktop of DSS Express server, double click DSS Server icon to log in DSS Express config system. Follow the instructions to enter username and password, and click “Login” button to log in DSS Server system, see Figure 3-18.

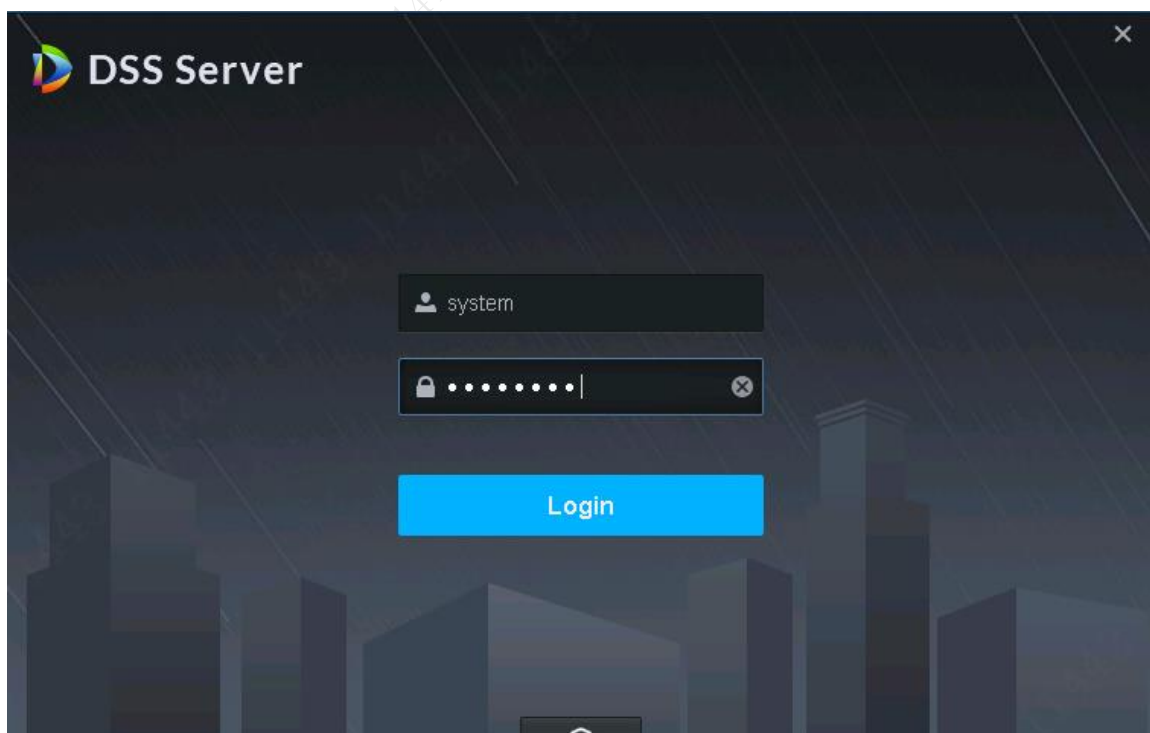
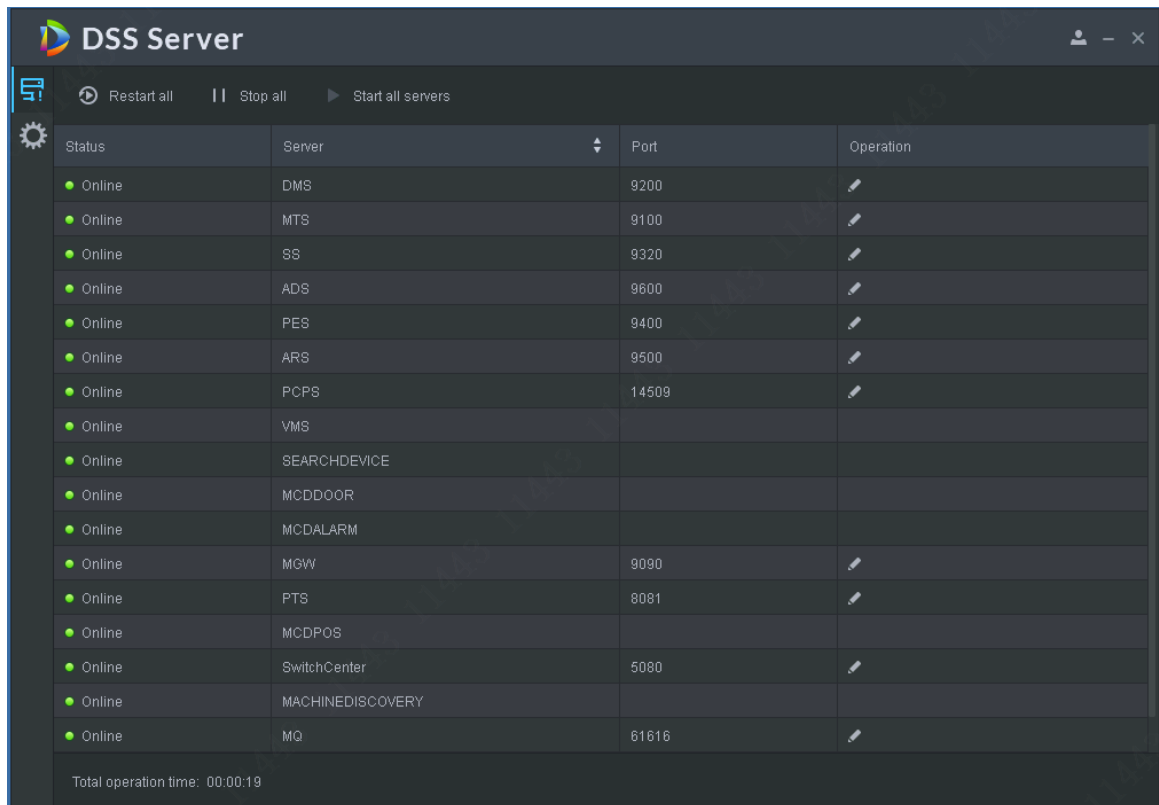


Figure 3-18

Step 2. View if server is online or not, its normal status is in Figure 3-19.



The screenshot shows the 'DSS Server' management window. At the top, there are control buttons: 'Restart all', 'Stop all', and 'Start all servers'. Below these is a table with four columns: 'Status', 'Server', 'Port', and 'Operation'. The table lists 18 servers, all of which are 'Online'. The 'Operation' column contains edit icons for each server. At the bottom of the table, it states 'Total operation time: 00:00:19'.

Status	Server	Port	Operation
Online	DMS	9200	
Online	MTS	9100	
Online	SS	9320	
Online	ADS	9600	
Online	PES	9400	
Online	ARS	9500	
Online	PCPS	14509	
Online	VMS		
Online	SEARCHDEVICE		
Online	MCDDOOR		
Online	MCDALARM		
Online	MGW	9090	
Online	PTS	8081	
Online	MCDPOS		
Online	SwitchCenter	5080	
Online	MACHINEDISCOVERY		
Online	MQ	61616	

Total operation time: 00:00:19

Figure 3-19

4 Add Encoder

4.1 Manually Add

Log in DSS Express Client, and enter device module in management bar to add, edit and delete device. Steps:

Step 1. In Express Client homepage, click “Device” module to enter Device, see Figure 4-1.

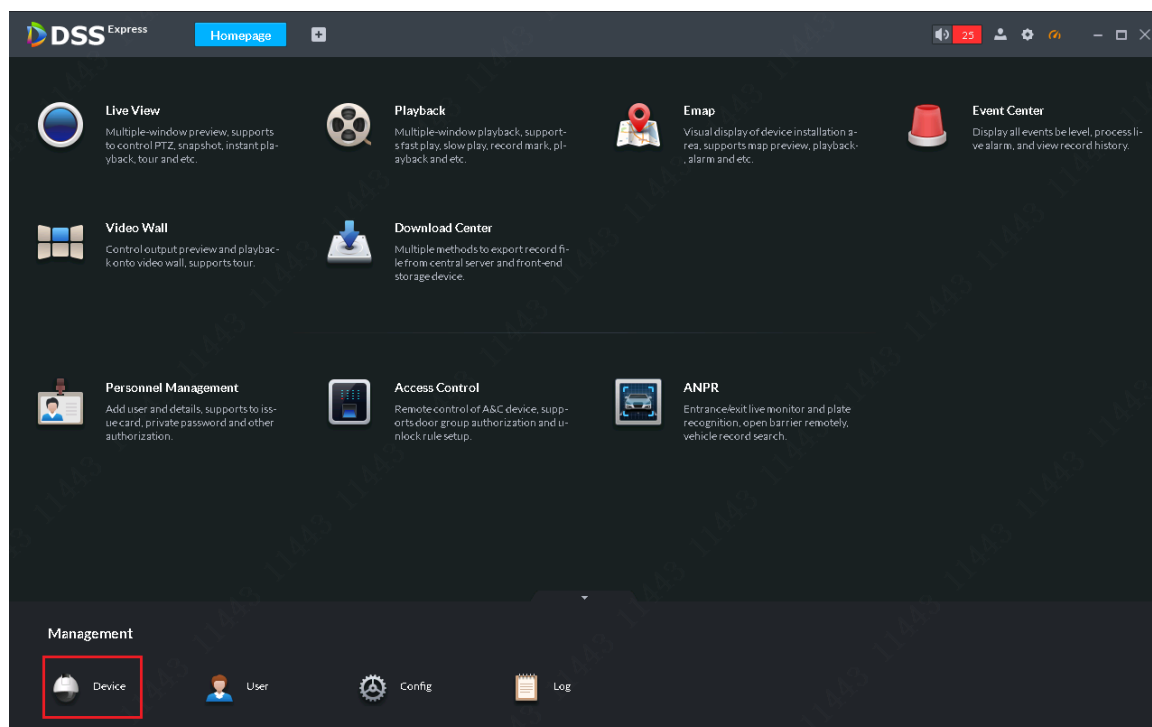


Figure 4-1

Step 2. Device management page is in Figure 4-2, click “Add” button to manually add.

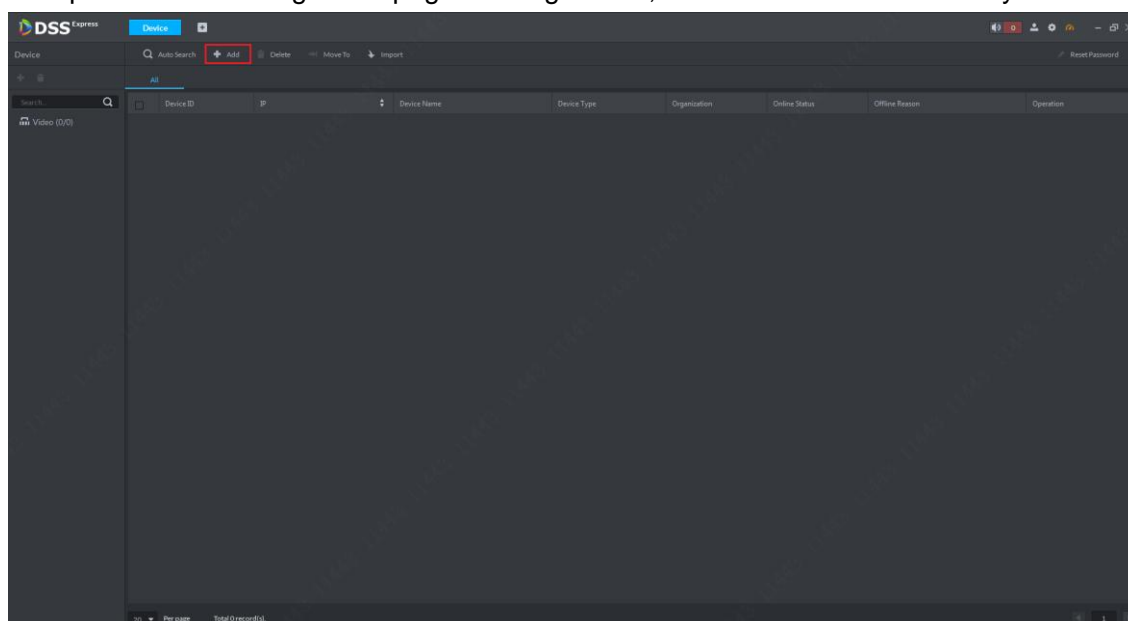
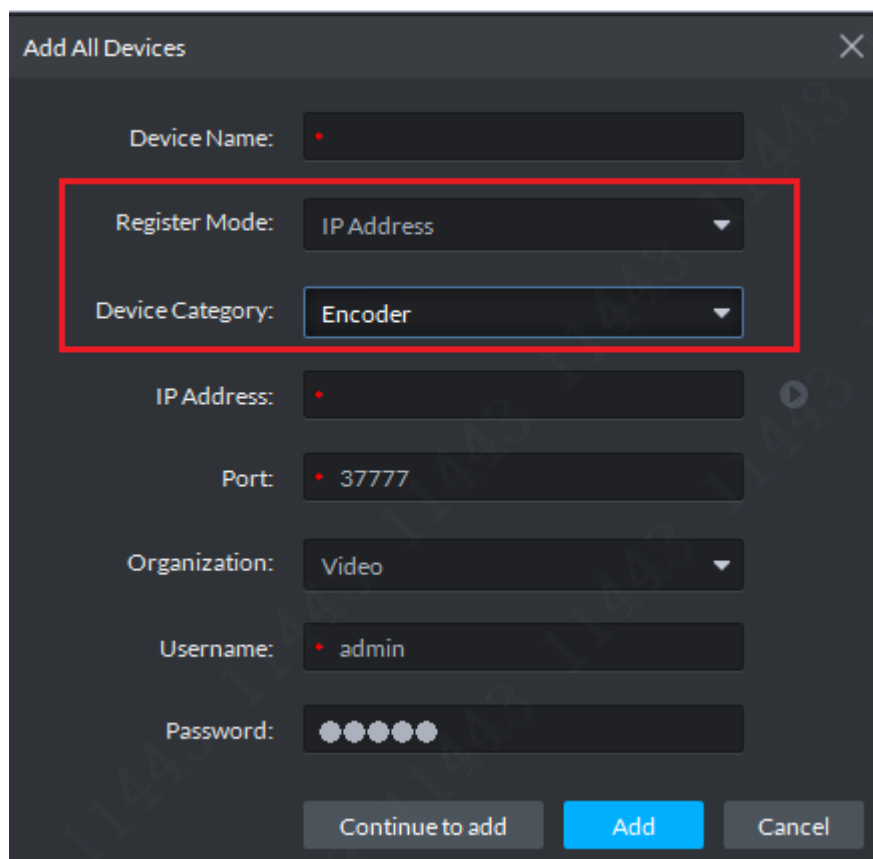


Figure 4-2

Step 3. Add device page is in Figure 4-3, first select add device method to be IP address, and device category is “Encode”,



The screenshot shows a dark-themed dialog box titled "Add All Devices" with a close button (X) in the top right corner. The dialog contains several input fields and dropdown menus. A red rectangle highlights the "Register Mode" dropdown, which is set to "IP Address", and the "Device Category" dropdown, which is set to "Encoder". Below these, there are fields for "Device Name", "IP Address", "Port" (with the value 37777), "Organization" (set to Video), "Username" (set to admin), and "Password" (represented by dots). At the bottom of the dialog are three buttons: "Continue to add", "Add", and "Cancel".

Figure 4-3

Step 4. According to page requirement, fill in device info, include: device name, IP address, port no. (default is 37777) , username. If you have not created organization node, then the device is under node Video by default. See Figure 4-4. Confirm the info all be right, click“Add” button to add. Device network communication is properly working, then server will auto get device type and channel info.

Add All Devices

Device Name:

DVR14

Register Mode:

IP Address

Device Category:

Encoder

IP Address:

10.18.145.14

Port:

37777

Organization:

Video

Username:

admin

Password:

•••••

Continue to add

Add

Cancel

Figure 4-4

Step 5. After device is added, you can see device list as in Figure 4-5. You can edit, device and set online device.

DSS Express

Device

Device

Search

Auto Search

Add

Delete

Move To

Import

Reset Password

Device

Encoder

Search

1/2

DVR14

test

Device ID	IP	Device Name	Device Type	Organization	Online Status	Offline Reason	Operation
100000	10.10.145.14	DVR04	DVR	Video	Online		<div></div> <div></div> <div></div>

| 100001 | 12.15.21.2 | test | DVR | Video | Offline | | |

20

Per page

Total 2 records.

Figure 4-5

Step 6. If the system gotten device type is incorrect or needs to be changed, please click Edit button of corresponding device, see Figure 4-6.

Encoder								
<input type="checkbox"/>	Device ID	IP	Device Name	Device Type	Organization	Online Status	Offline Reason	Operation
<input type="checkbox"/>	1000000	10.18.145.14	DVR14	DVR	Video	Online		<div><div></div><div></div><div></div></div>
<input type="checkbox"/>	1000001	12.35.21.2	test	DVR	Video	Offline		<div><div></div><div></div><div></div></div>

Figure 4-6

Step 7. Device edit page is in Figure 4-7. A user can modify corresponding info accordingly. Device category cannot be changed here, but you can change device type. See Figure 4-7 and Figure 4-8.

The 'Edit Device' window is divided into two main sections: 'Basic Info' and 'Device Detail'. The left sidebar contains links for 'Basic Info', 'Video Channel', 'Alarm Input Channel', and 'Alarm Output Channel'. The 'Basic Info' section includes fields for Protocol (Dahua Device), Manufacturer (Dahua Device), IP Address (10.18.145.14), User (admin), Device Port (37777), Password (masked), Video Server (Center Server), and Organization (Video). The 'Device Detail' section includes Device Name (DVR14), Device SN (empty), and Type (DVR). At the bottom, there are 'Get info', 'OK', and 'Cancel' buttons.

Figure 4-7

Two screenshots of the 'Type' dropdown menu. The left screenshot shows a list of device types including DVR, IPC, NVS, MCD, MDVR, NVR, SVR, PCNVR, PVR, and EVS. The right screenshot shows a similar list but with 'Thermal Camera' highlighted, indicating it is the selected option.

Figure 4-8

4.2 Auto Add

4.2.1 Auto Search Encoder

Auto search function allows user to search all devices in DSS Express server network, or all users in network segment set by user. A user can add device he/she wants. Steps:

Step 1. In Device page, click “Auto Search “button to enter auto search page, see Figure 4-9.

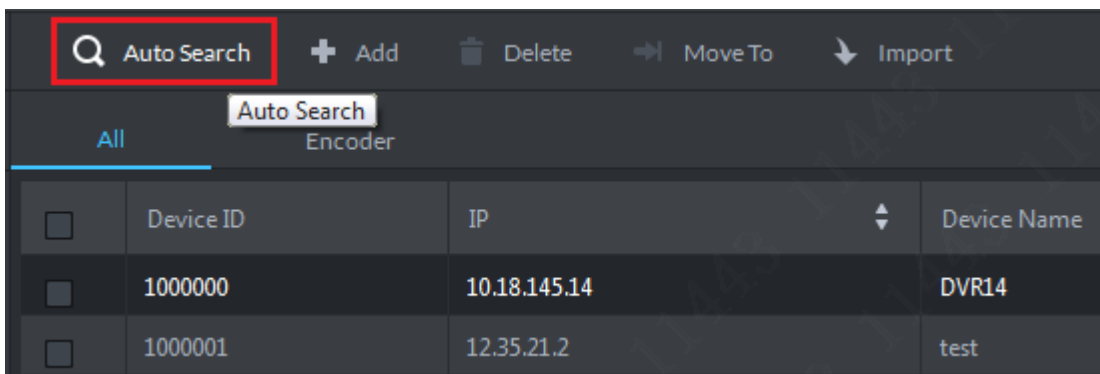


Figure 4-9

Step 2. Default search page and results are in Figure 4-10.

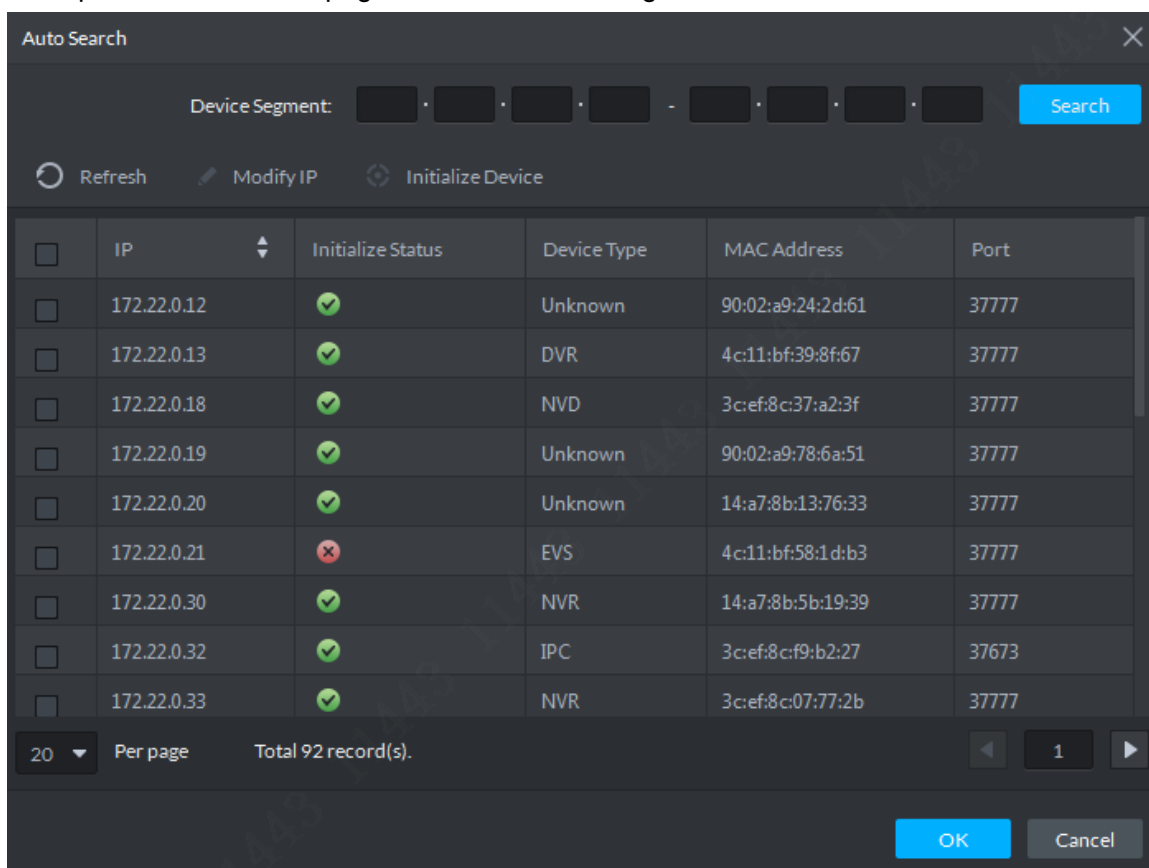


Figure 4-10

Step 3. In search result, a user can select one, select multiple or select all (current page), see Figure 4-11. Confirm and clicklock” button to add device into DSS Express platform.

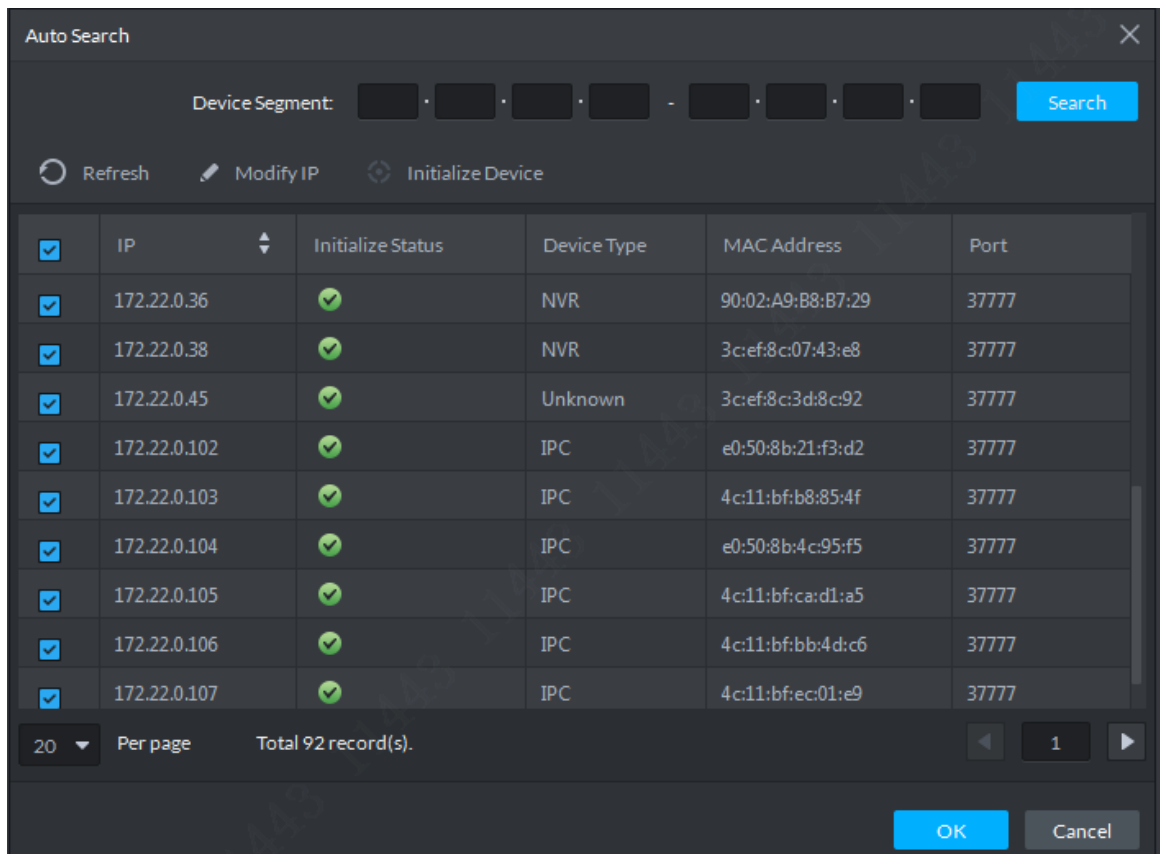


Figure 4-11

Step 4. According to system prompt, select server, organization, and fill username and password to batch log in device. See Figure 4-12. Confirm info and click “OK” button.

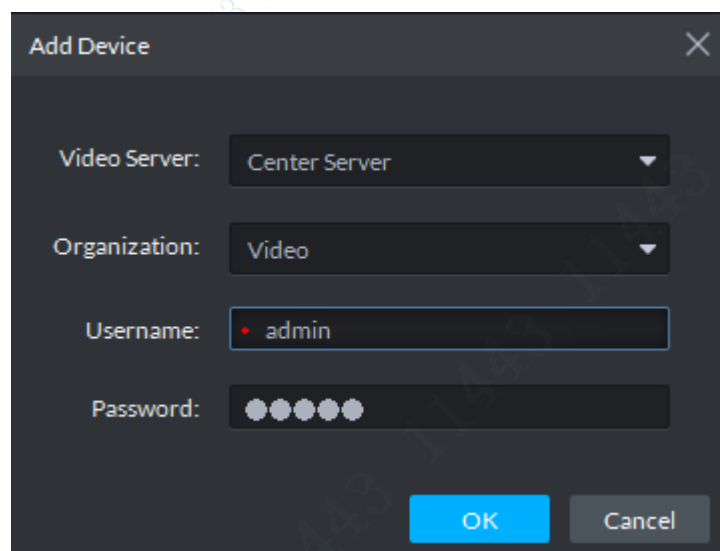


Figure 4-12

Step 5. After you add device, see Figure 4-13.

Device ID	IP	Device Name	Device Type	Organization	Online Status	Offline Reason	Operation
1000000	10.18.145.14	DVR14	DVR	Video	Online		
1000001	12.35.21.2	test	DVR	Video	Offline		
1000009	172.22.0.12	172.22.0.12	DVR	Video	Offline		
1000010	172.22.0.13	HCVR	DVR	Video	Online		
1000011	172.22.0.18	NVR	NVR	Video	Offline		
1000012	172.22.0.19	172.22.0.19	DVR	Video	Online		
1000013	172.22.0.20	Unknown	DVR	Video	Online		
1000002	172.22.0.21	EVS	EVS	Video	Offline	Username does not exist	
1000014	172.22.0.36	NVR	NVR	Video	Offline		
1000015	172.22.0.32	2M0354SPAG0001	IPC	Video	Offline		
1000016	172.22.0.33	NVR	NVR	Video	Offline		
1000017	172.22.0.34	NVR	NVR	Video	Offline		
1000018	172.22.0.35	172.22.0.35	NVR	Video	Offline		
1000019	172.22.0.36	NVR	NVR	Video	Offline		
1000020	172.22.0.38	NVR	NVR	Video	Offline		
1000021	172.22.0.45	XVR	DVR	Video	Offline		
1000003	172.22.0.102	2M0354SPAG0001	IPC	Video	Offline	Abnormal network	
1000004	172.22.0.103	1F01E84PAU08607	IPC	Video	Offline		
1000005	172.22.0.104	2M0354SPAG0001	IPC	Video	Offline		
1000006	172.22.0.105	1F01E84PAU08607	IPC	Video	Offline		

Figure 4-13

4.2.2 Other Platform Input

DSS Express supports device input from P2P platform and local PSS.

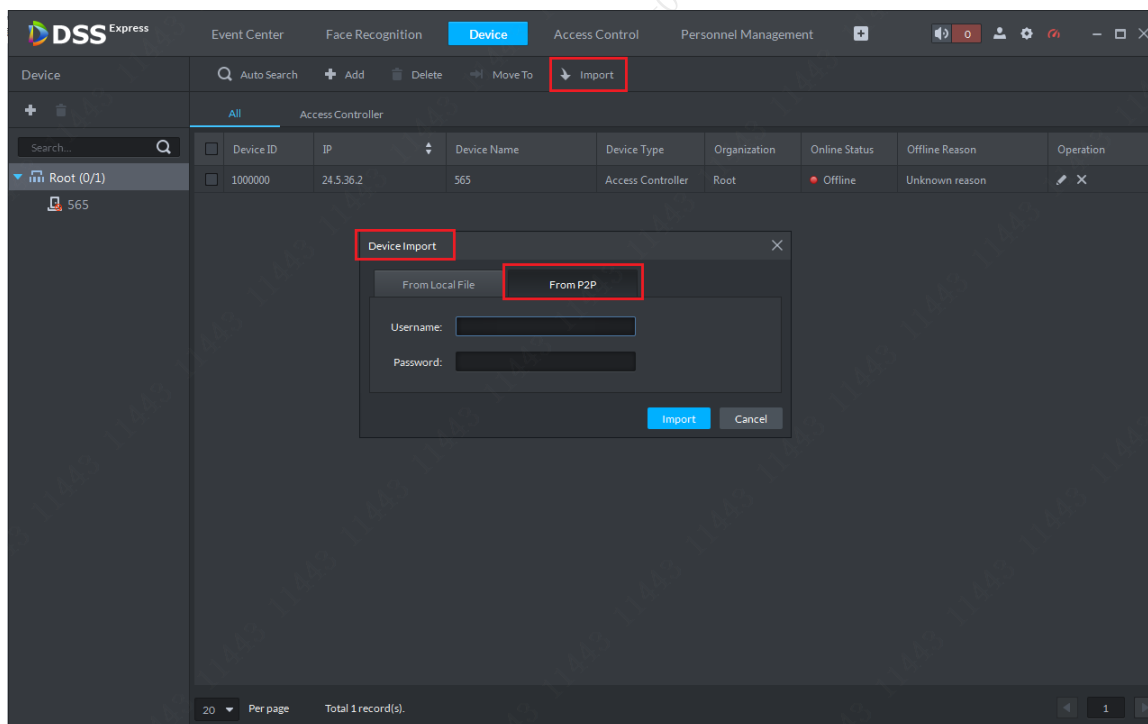


Figure 4-14

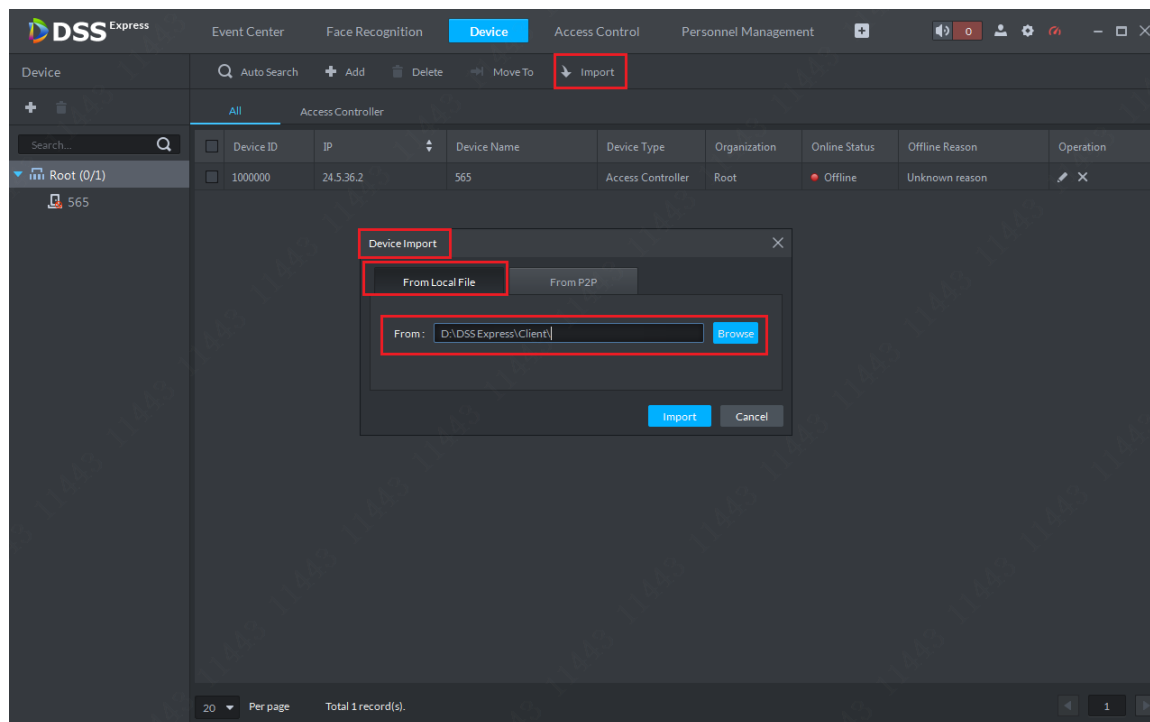


Figure 4-15

5 User

User manager module mainly add user, modify user, delete user and set user right. The system has 3 types of user by default as administrator (all rights), advanced user, general user. All added user must be in these types, and different user types have different rights. Rights within each user type can be adjusted within the range.

5.1 Add User

Step 1. Via add button in navigation bar enter homepage, and then click User icon.

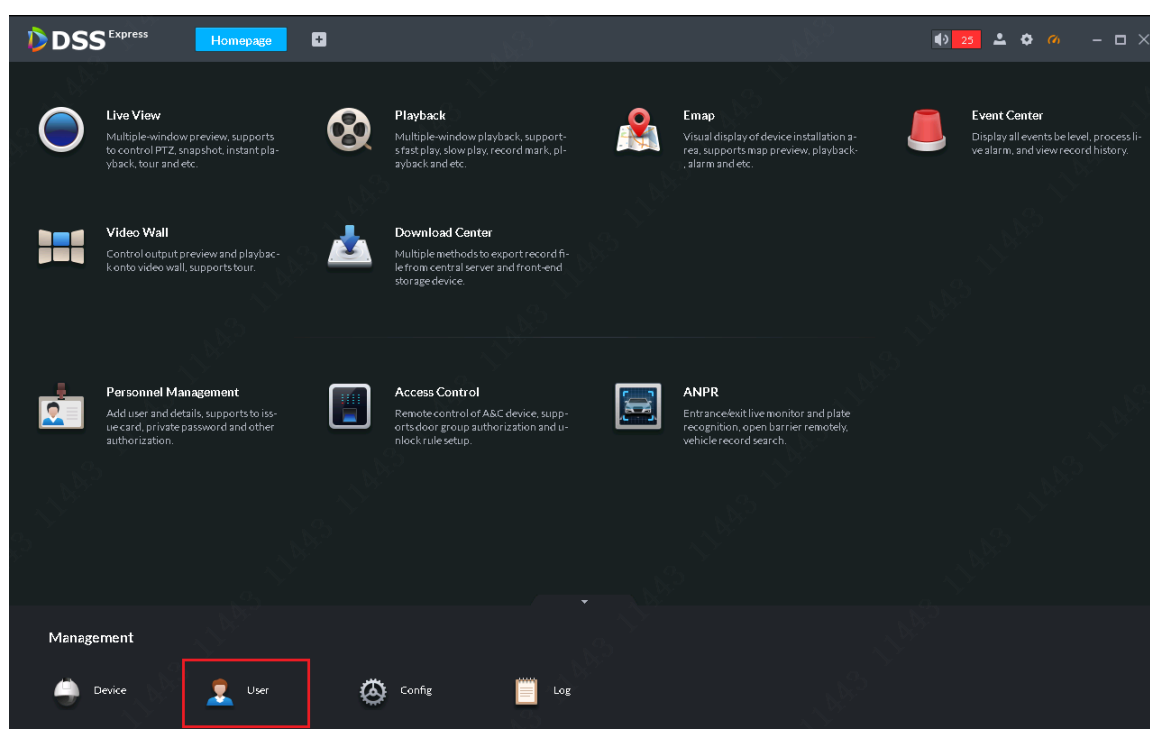



Figure 5-1

Step 2. On the left, select user type within the 3 types. An administrator has all rights, followed by advanced user and general user respectively. If you want to add an advanced user, then select Advanced User on the left. Click .

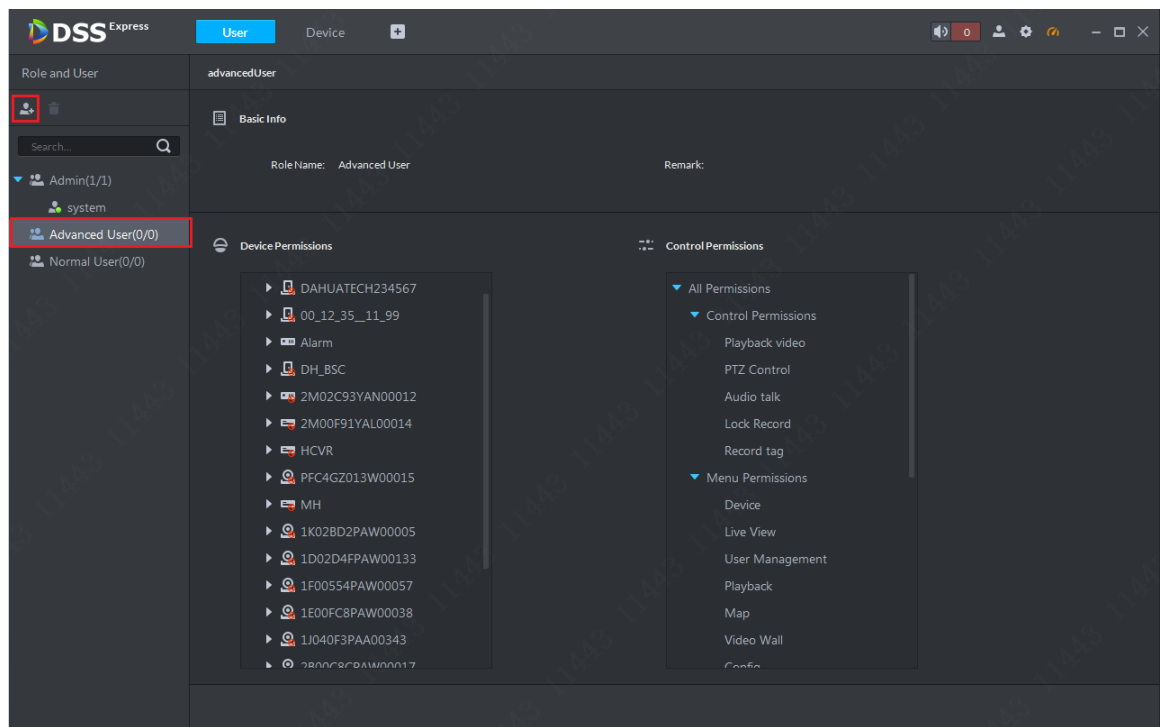


Figure 5-2

Step 3. Fill in user info according to your need. You can select to verify MAC address (for PC Client only), set user validity and etc. In device and right list, you also can select corresponding device and right module accordingly. After setup, click Add button to add user.

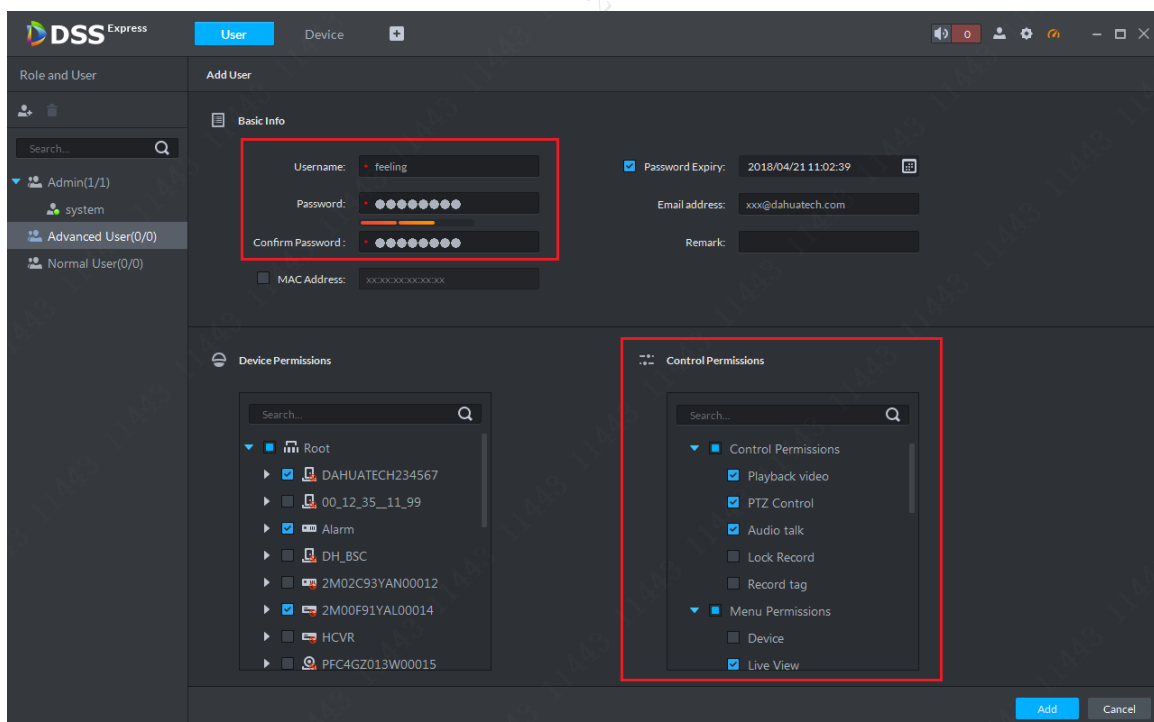


Figure 5-3

Step 4. After you add user, added user will be shown on the left. Click the username to view user info and right. Green means online while red means offline.

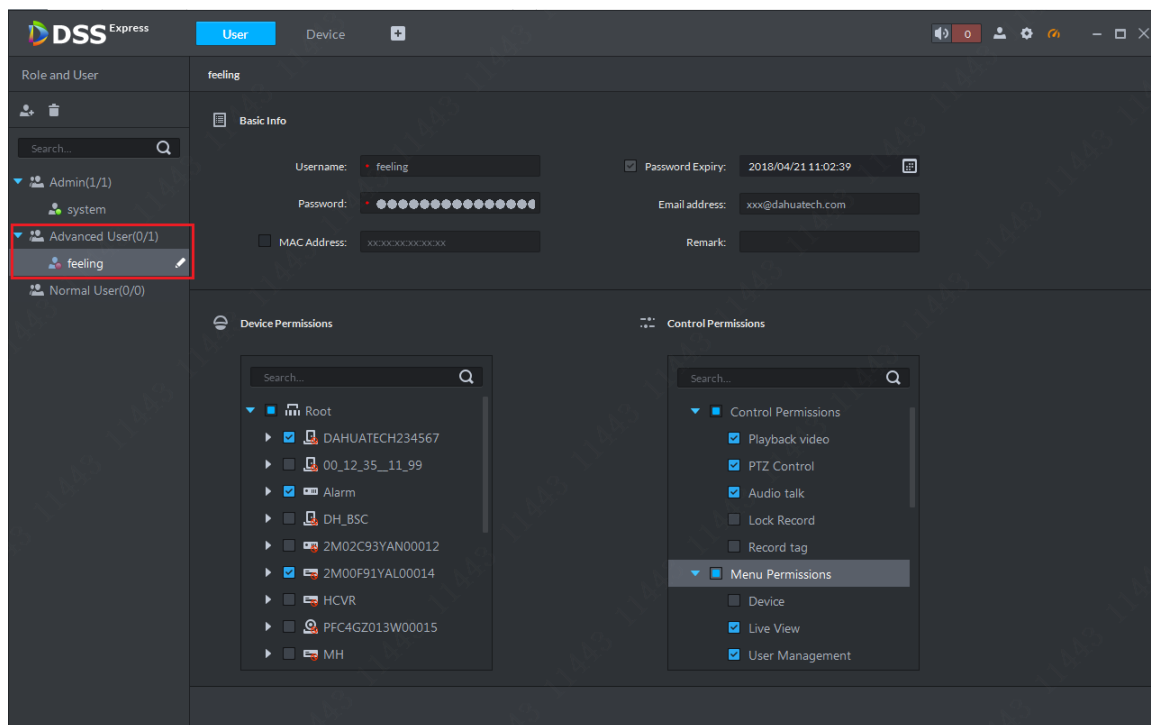



Figure 5-4

5.2 Modify User

You can modify user basic info and right, but you cannot change user type. To change user type, you shall delete the user and add again.

Step 1. Same with adding user, just enter user manager module. On the left, select username you want to modify, and click  button.

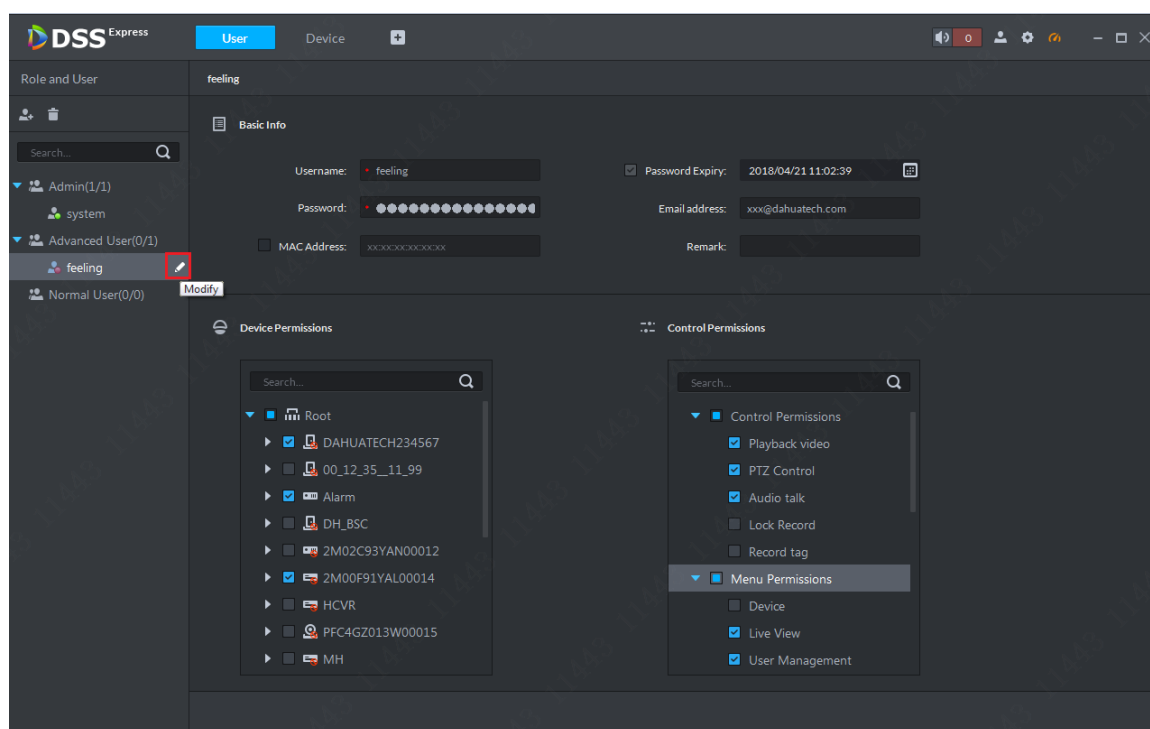


Figure 5-5

Step 2. In shown user modification page, change basic info and right, click OK.

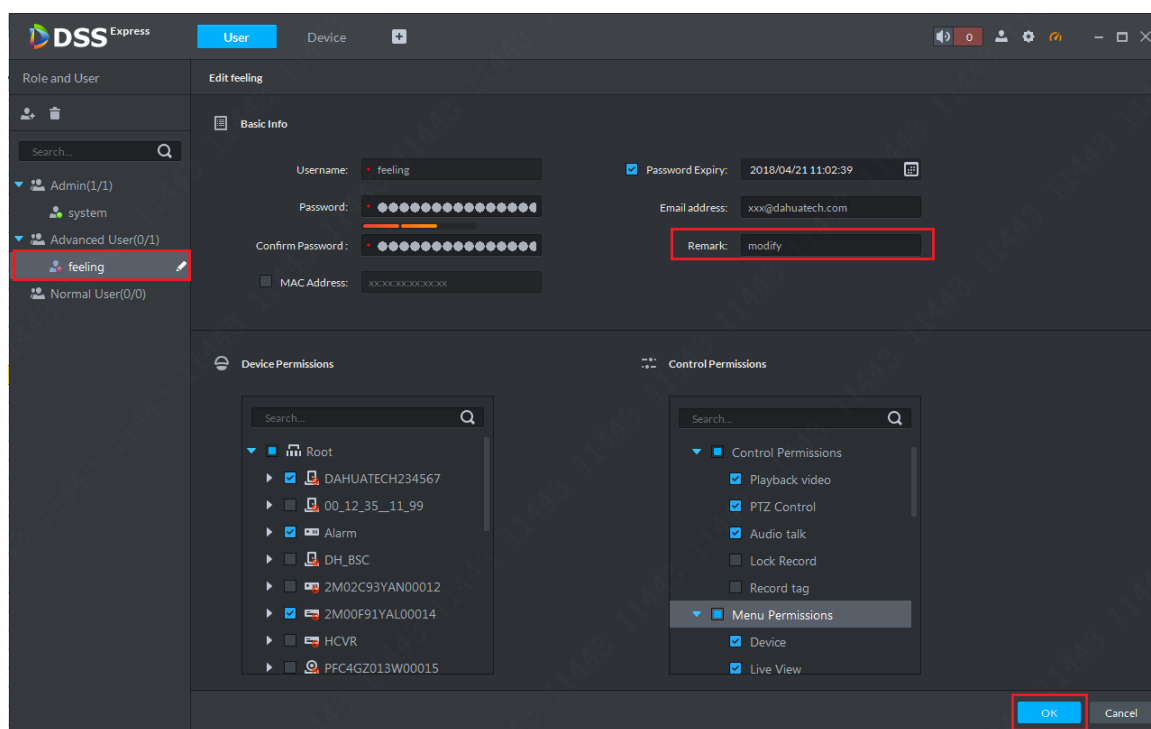



Figure 5-6

5.3 Delete User

Step 1. Same with adding user, just enter user manager module. On the left, select username you want to delete and click .

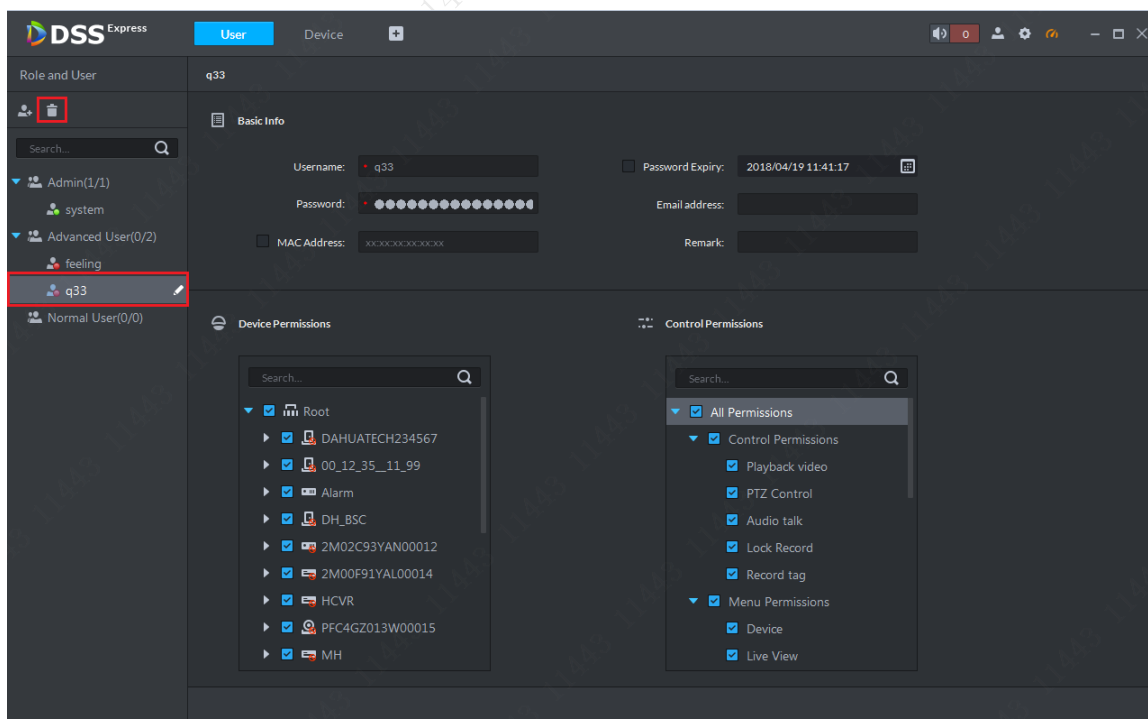


Figure 5-7

Step 2. In the shown figure, click OK to delete.

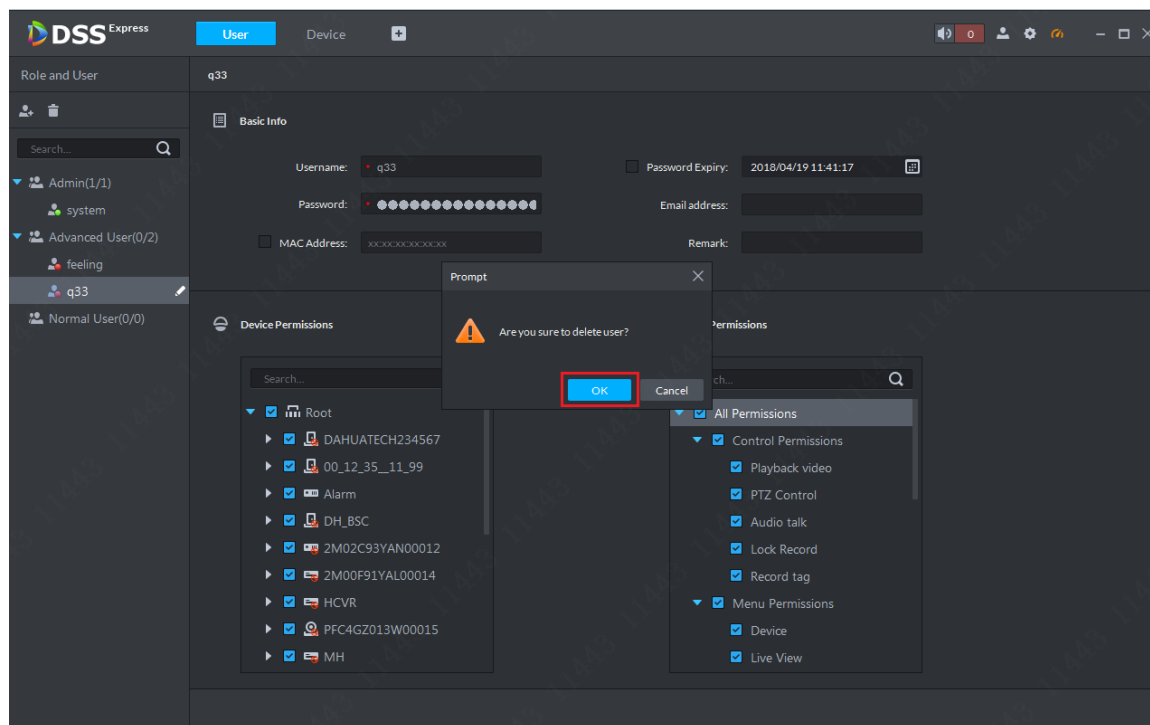


Figure 5-8

6 Preview

Log in DSS Express client, and in homepage, enter Live Preview module. It supports organization preview, preview by device, free channel preview and preview by view(must add view first).

6.1 Organization Preview

Step 1. In device tree on the left, it supports display of total device of current organization and online device. See Figure 6-1. Please select window number in tools at bottom before preview.

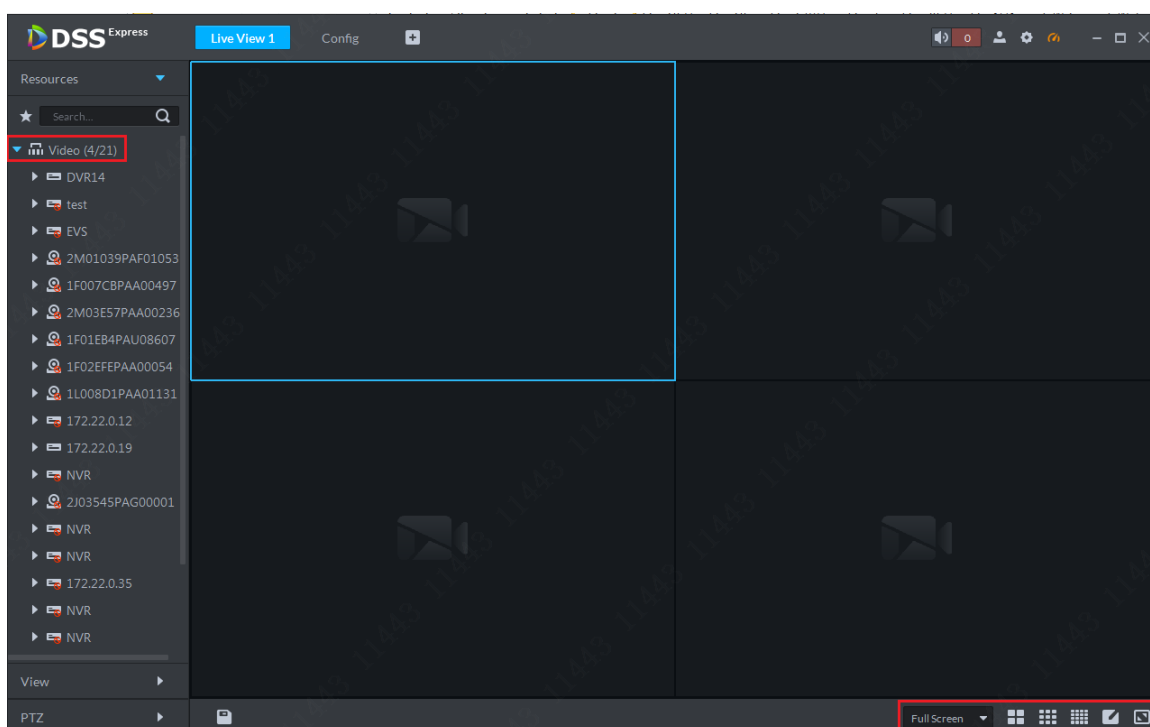


Figure 6-1

Step 2. Drag organization node to the right window, and system will open the first N video channels in this organization, N is number of windows. See Figure 6-2. If N is 4, it will open 4 video channels in this organization.

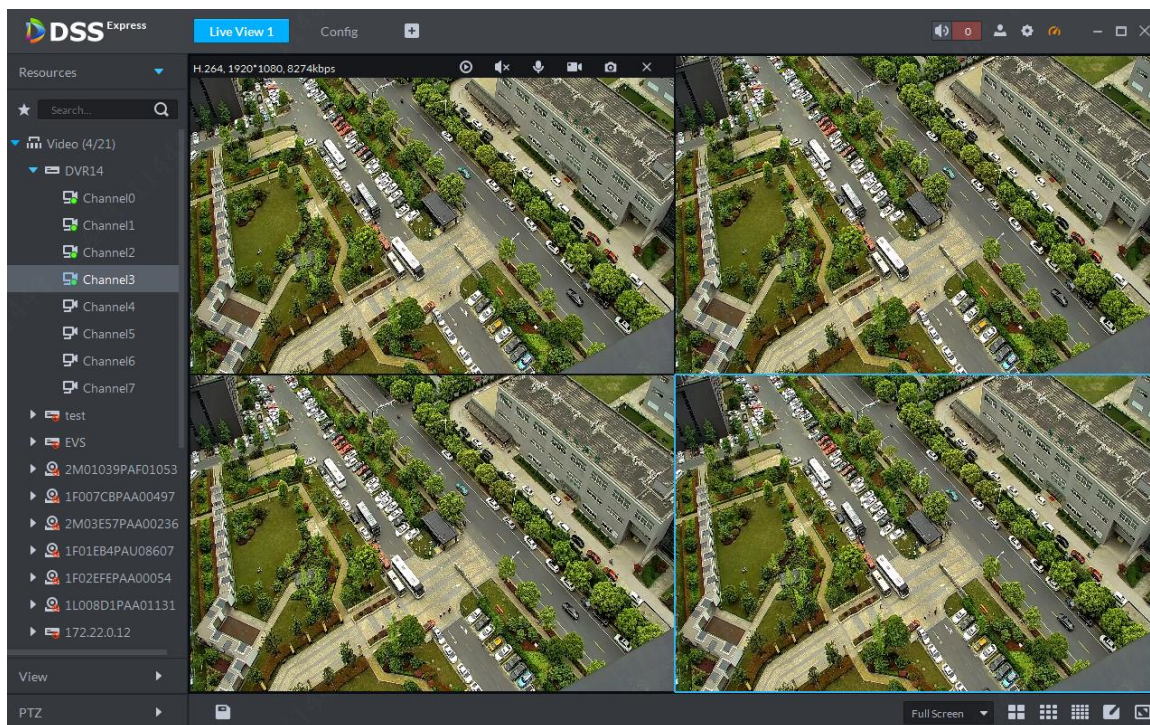


Figure 6-2

Step 3. Select one organization, right click it to set tour preview of all channels in this organization. See Figure 6-3.

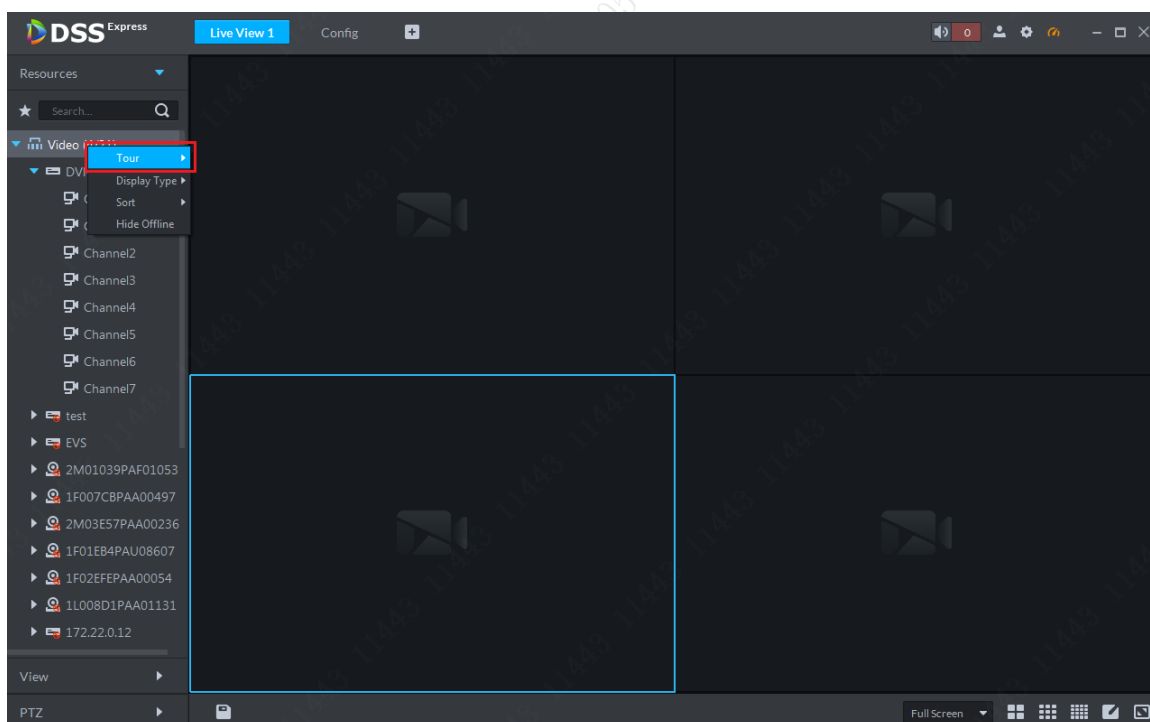


Figure 6-3

Step 4. During tour, you can click Stop button  or right click in window to turn off tour, see Figure 6-4.

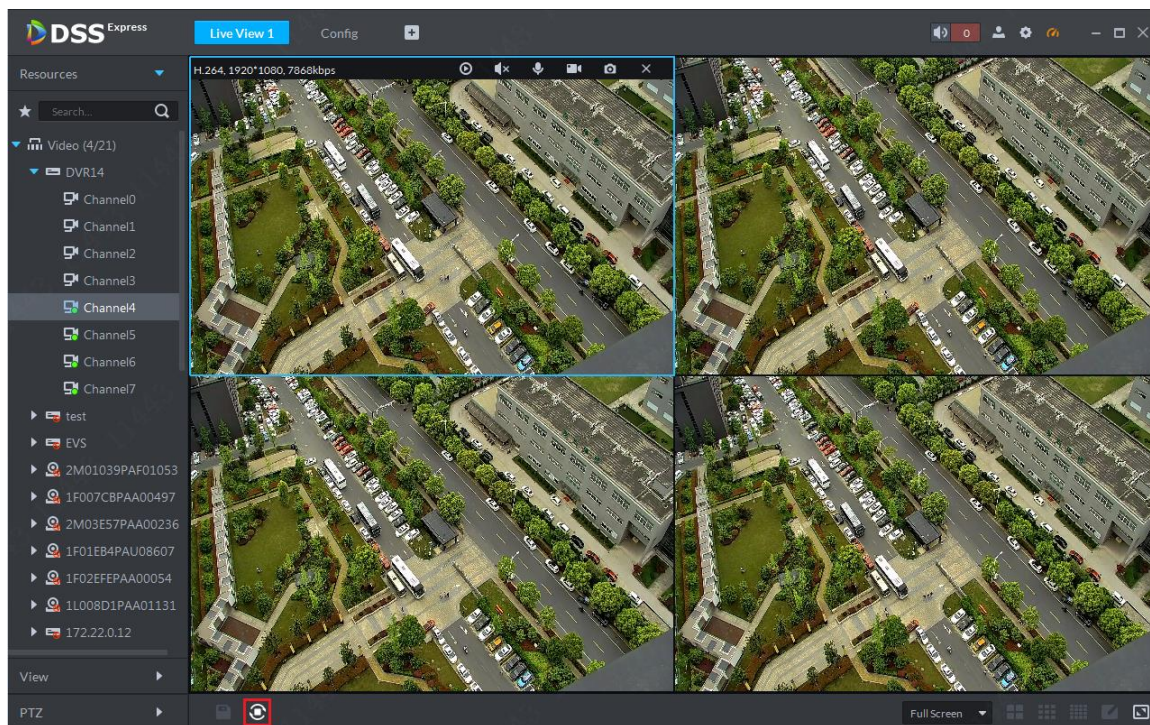


Figure 6-4

It supports right click to enable video tour of organization node, tour time can be: 10s, 30s, 1min, 2min, 5min, 10min.

It supports display of device tree by name or IP.

It supports ascending/descending/random display of device tree.

It supports right click to hide offline node.

6.2 Device Preview

Step 1. In “Local Config—General”, check “Show device node”, see Figure 6-5.

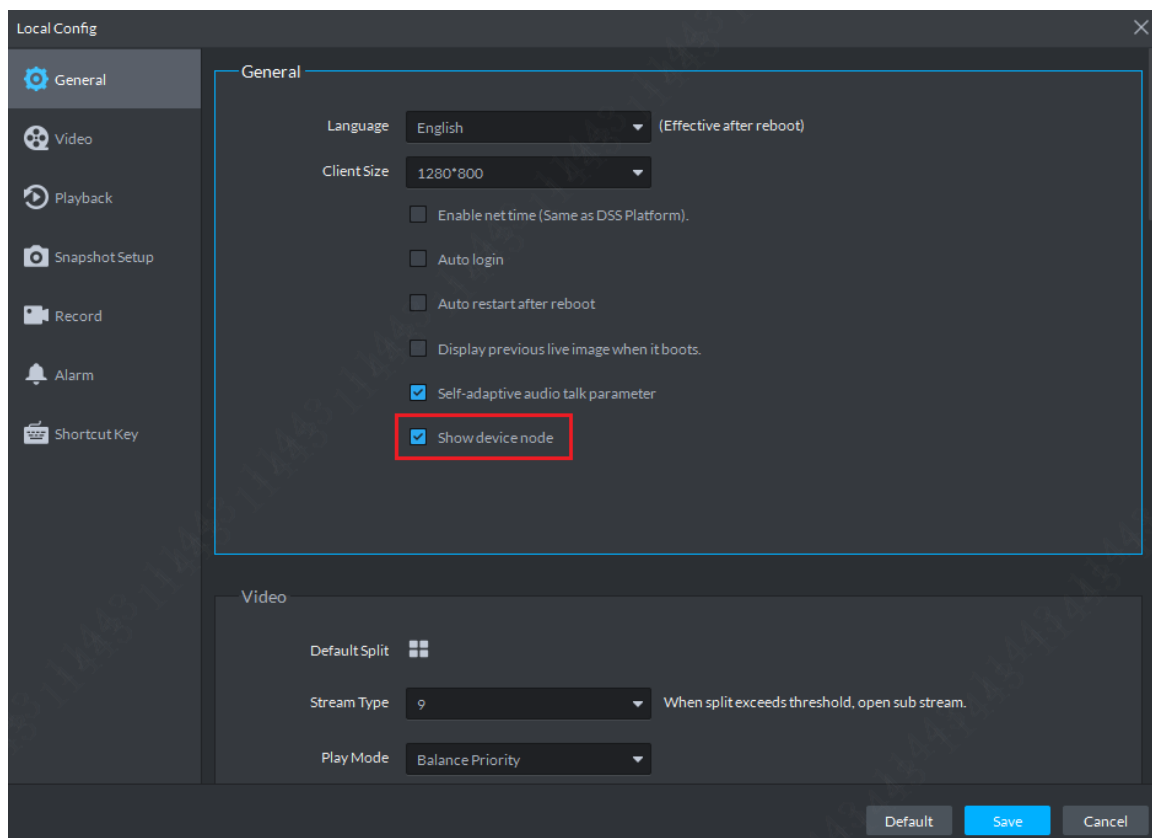


Figure 6-5

Step 2. Other operations are same with organization preview, as you drag a device into preview window to open its video, and right click to set tour.

6.3 Channel Preview

Step 1. Cancel check of “Local Config—General”-“Show device tree mode” (save this setup and client will auto reboot), preview device tree in channel mode, see Figure 6-6.

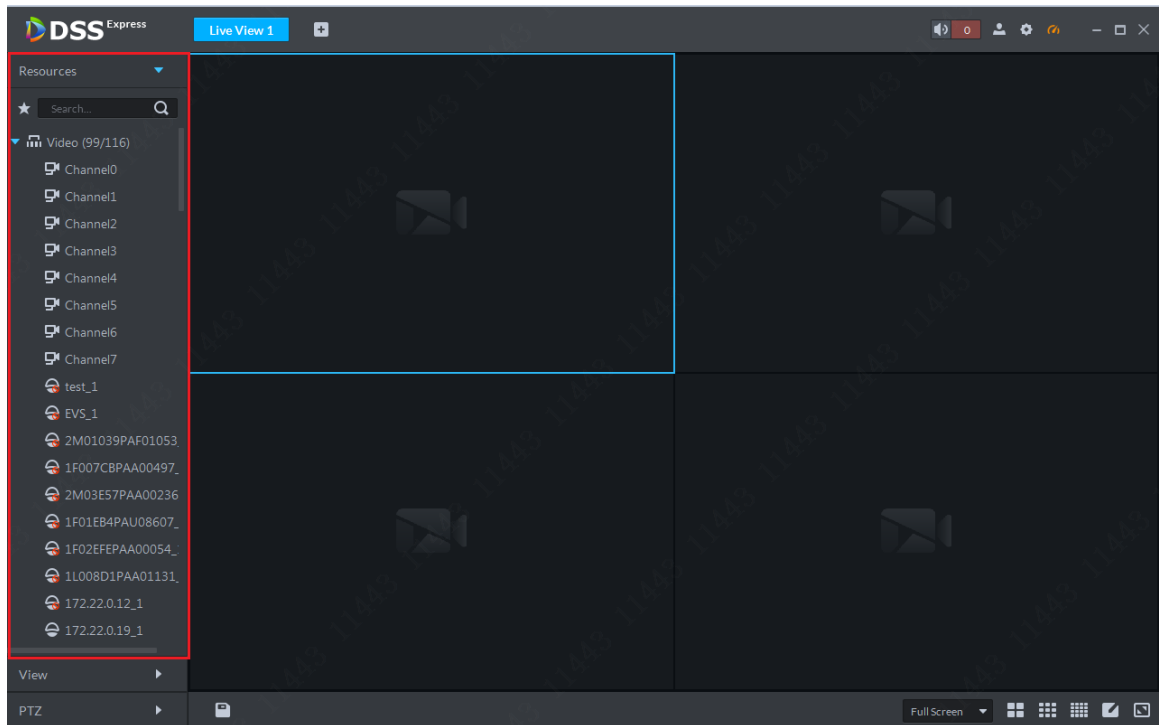


Figure 6-6

Step 2. A user can auto select channel and preview in window. Right click channel, to add into favorite, see Figure 6-7.

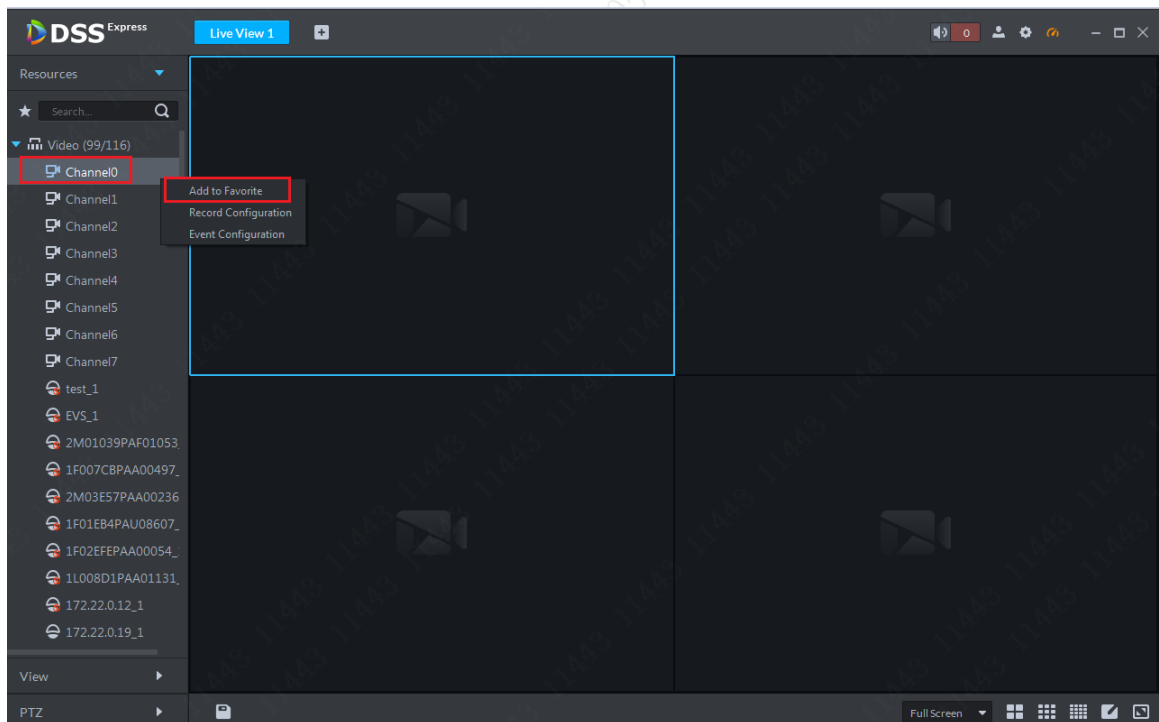


Figure 6-7

6.4 Show Preview

Step 1. In "Live" interface, device list is on the left, select channel and double click it or drag it into video window. If you double click device, then you can open all channels of the

device. Window shows live preview of this device.

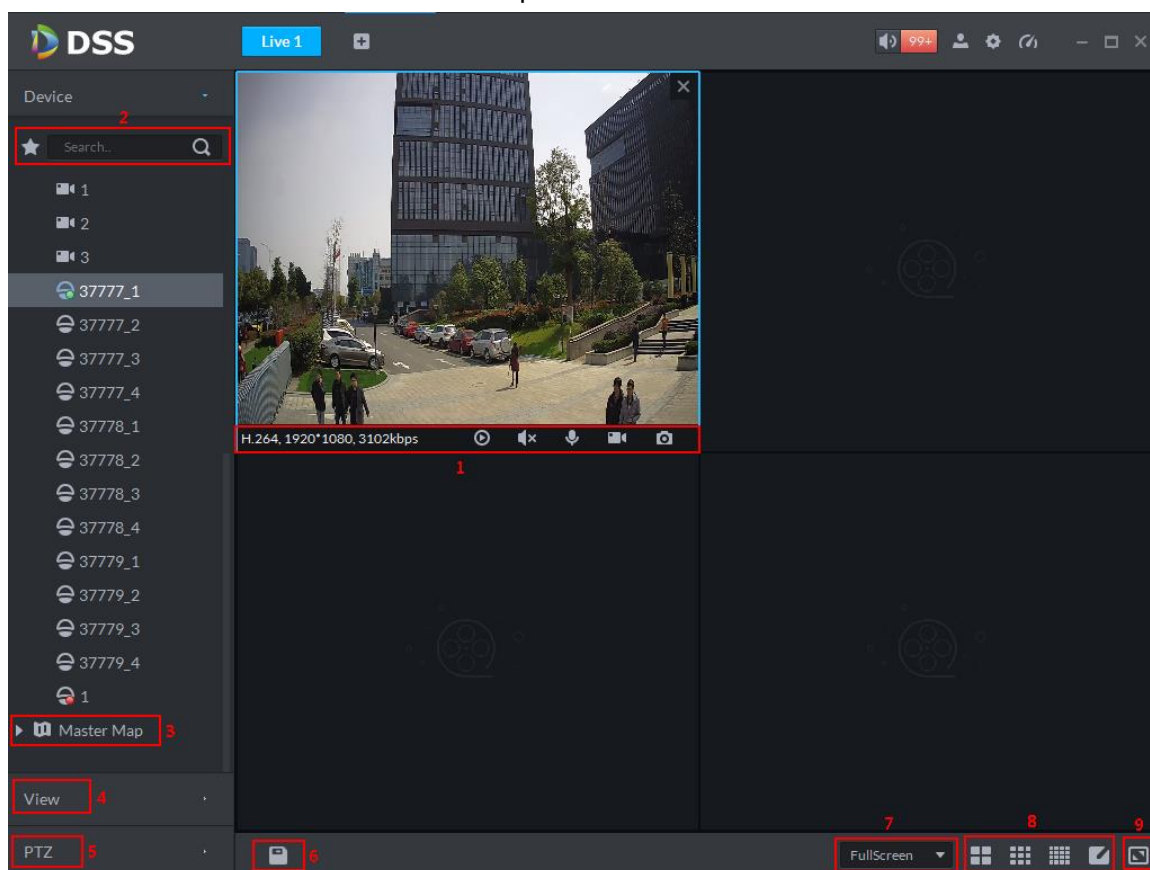


Figure 6-8

No.	Parameter	Note
1	Stream Info and Shortcut	<p>Show encode format, stream info and shortcut. Shortcuts:</p> <ul style="list-style-type: none"> ● : Enable or disable instant playback, playback time is set in "Local Config". Precondition of instant playback is that there is record at center or locally on device. Center record has priority. ● : Enable or disable audio. ● : Enable or disable intercom. In "Local Config > General", check "Self-adaptive intercom". When you enable intercom, no pop-up window will appear, and auto adaptive applies to all parameters. ● : Enable or disable local record. ● : Snapshot.
2	Favorites and Device Tree Search	<ul style="list-style-type: none"> ● Support , search by device name or channel name. ● : Add, delete or rename favorites. Support tour of favorites.
3	Map	Preview map info in windows: GIS map and reaster map.



No.	Parameter	Note
4	Map	Support to save current video window to video. View supports three levels: node, group and view respectively. It supports node, node tour view, tour time can be 10s, 30s, 1min, 2min, 5min, 10min. Max 100 views.
5	PTZ	Speed dome PTZ adjust.
6		Save current video as view.
7	Aspect Ratio	Select video window aspect ratio, it supports to play video in actual aspect ratio or full screen.
8	Split	Split video. You can slip video into 1 to 64 windows, or click  to customize.
9	Full Screen	Set video to full screen. To exit, you can click Esc or right click and select exit full screen.

Chart 6-1

Step 2. Right click preview window, you can set current video, see Figure 6-9.

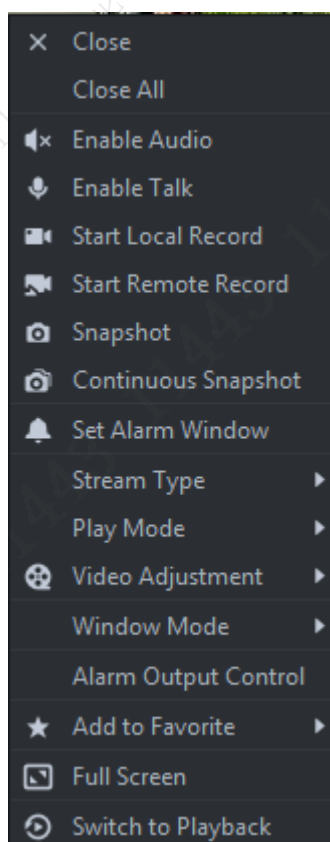







Figure 6-9

Parameter	Note
Close Video	Close current window.
Close All	Close all windows.
Enable Audio	Same as  , turn on or off audio of camera.
Enable Talk	Same as  , turn on or off corresponding talk function of device. In“Local Config > General”check“Self-adaptive talk”, to enable talk, no pop-up to auto adjust parameter.
Start Local Record	Same as  , record A/V in current window, and save to local PC.
Snapshot	Same as  , save image in current window as picture file to picture folder (Save one picture every time you call) .
Continuous Snapshot	Same as  , save image in current window as picture file to picture folder (Snapshot three pictures every time) .
Alarm Output Control	Control alarm output ON/OFF.
Stream Type	Switch among “main stream”, “sub stream 1”, “sub stream 2”. Note: If you select “sub stream 1”, “sub stream 2”, and when you add encoder in Manager, in dropdown list of “Stream”, select “support sub stream 1”, “support sub stream 2”.
Live/Fluency	Enter“live priority”, “fluency priority”, “balance priority”or custom.
Video Adjustment	Adjust image and enhance video.
Window Mode	Support standard mode, 1+3 and 1+5.
Fisheye Installation	Wall-mount, ceiling and grounding.
Fisheye View	Fisheye view has different installation modes and angles: Panorama-360 degrees Dual panorama-Two 180 degrees 4-split-Split entire video into four splits, up/down/left/right, each blockcan be adjusted direction seperately Single video-one video

Parameter	Note
Add to Favorite	Add this channel or all channels into favorites
Full Screen	Switch video window to “full screen”mode. If you want to exit“full screen”, you can double click window or right click and select exit.
Switch to Playback	Switch preview to playback without going back to homepage.

Chart 6-2

7 Record Config

7.1 Local Storage Disk Setup

DSS Express will auto detect all disk and storage space, and provide a more convenient storage disk method, steps:

Step 1. In Client homepage, click “Config”to enter config module, see Figure 7-1.

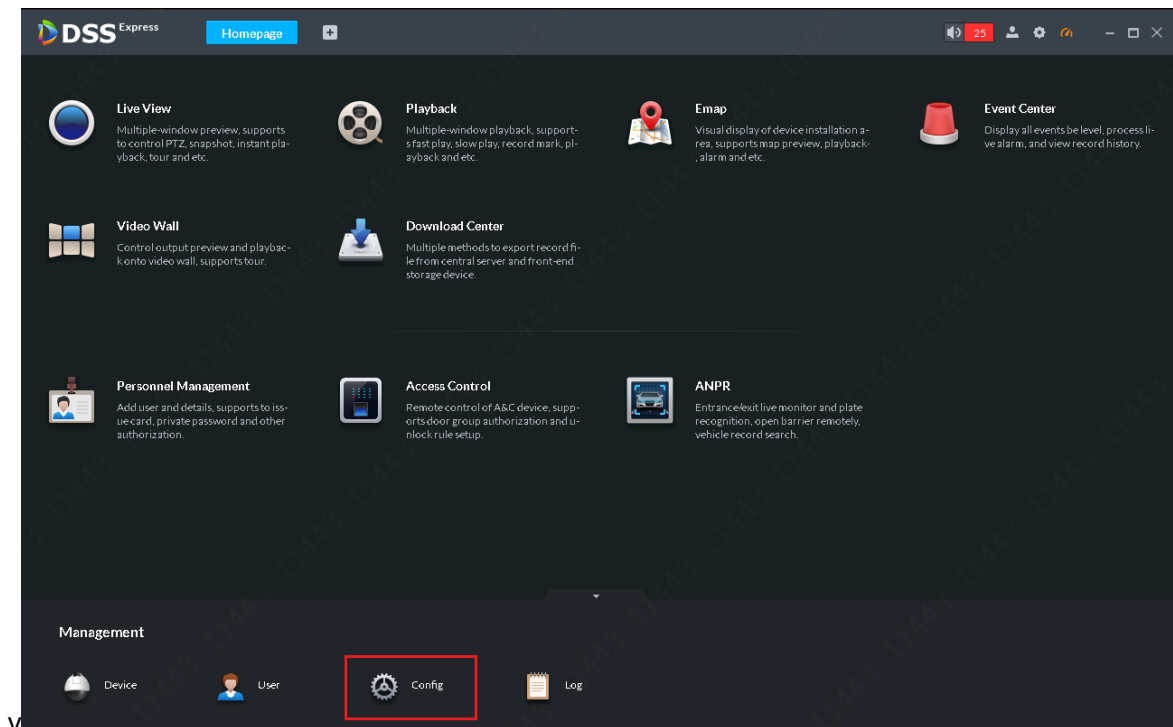


Figure 7-1

Step 2. In config page, click “Storage”to enter storage config, see Figure 7-2.

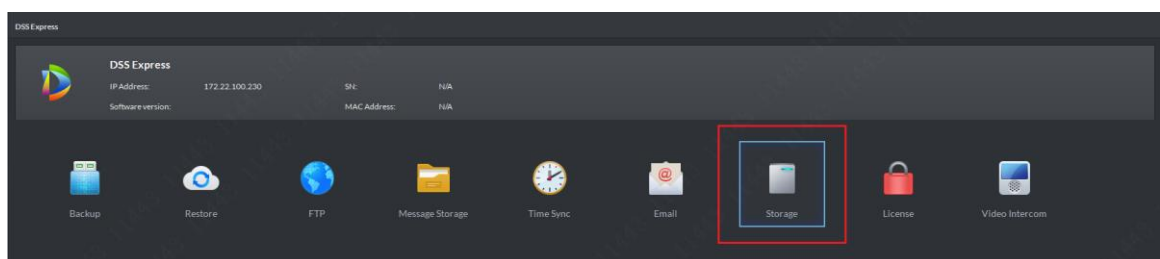


Figure 7-2

Step 3. DSS Express server will auto detects Express server installation disk info(Not PC Client disk info), see Figure 7-3.

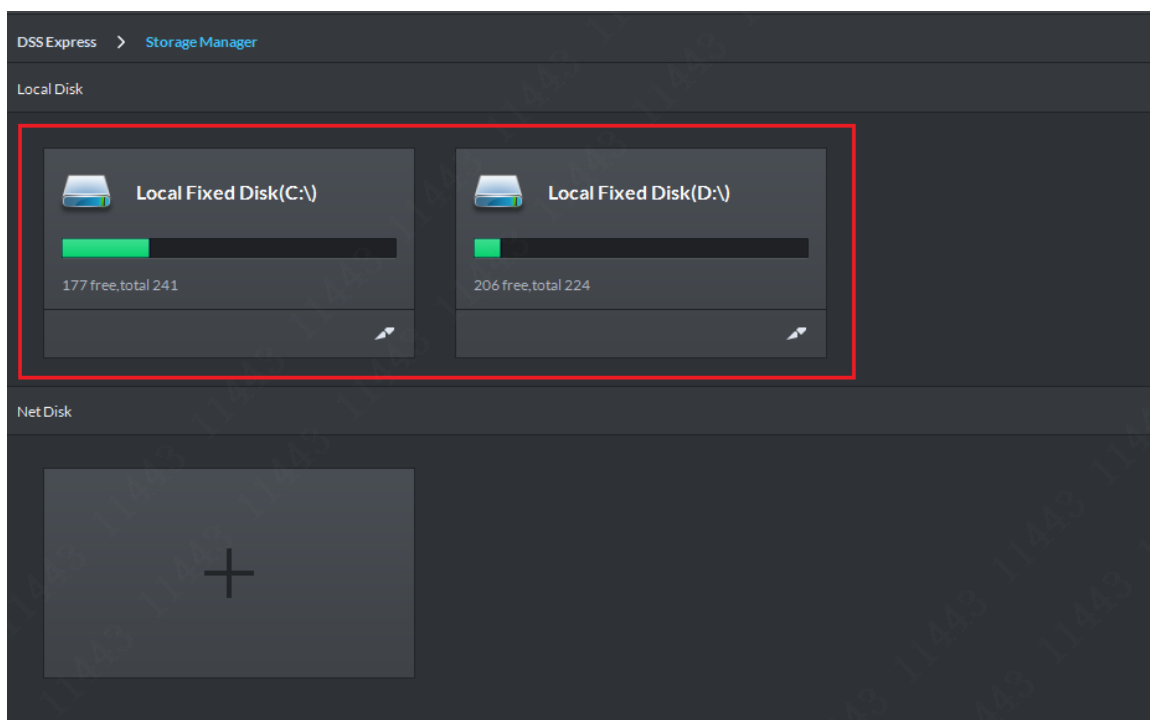



Figure 7-3

Step 4. Click  split button to create DSS Express storage, see Figure 7-4.

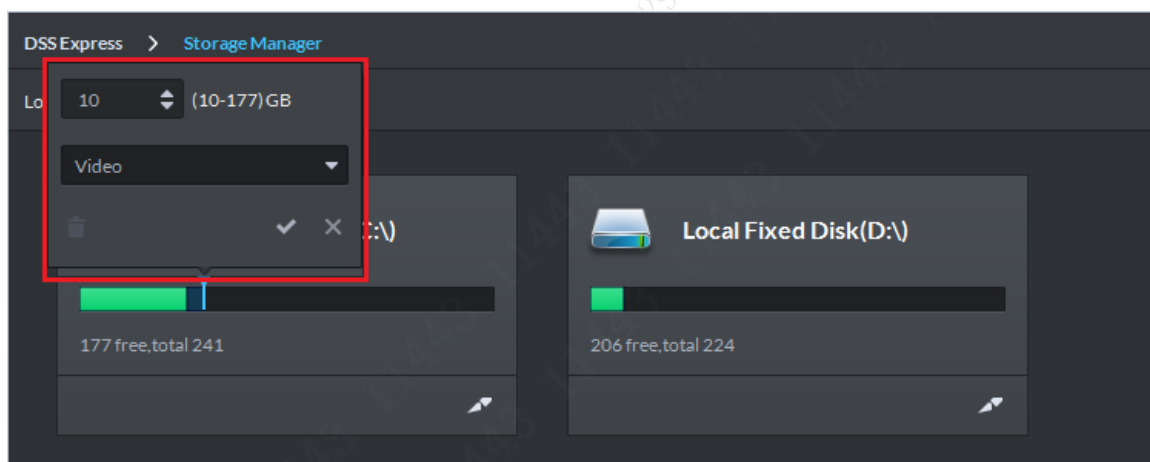


Figure 7-4

Step 5. Select storage space type, video or picture, see Figure 7-5. If you need to save ANPR device picture, you shall set storage space type to be picture.

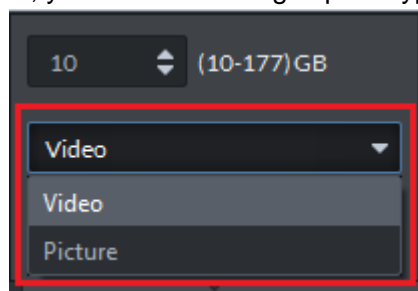


Figure 7-5

Step 6. According to need and disk free space, set storage space size. Min value is 10GB, see Figure 7-6. Confirm it and click button to complete setup.

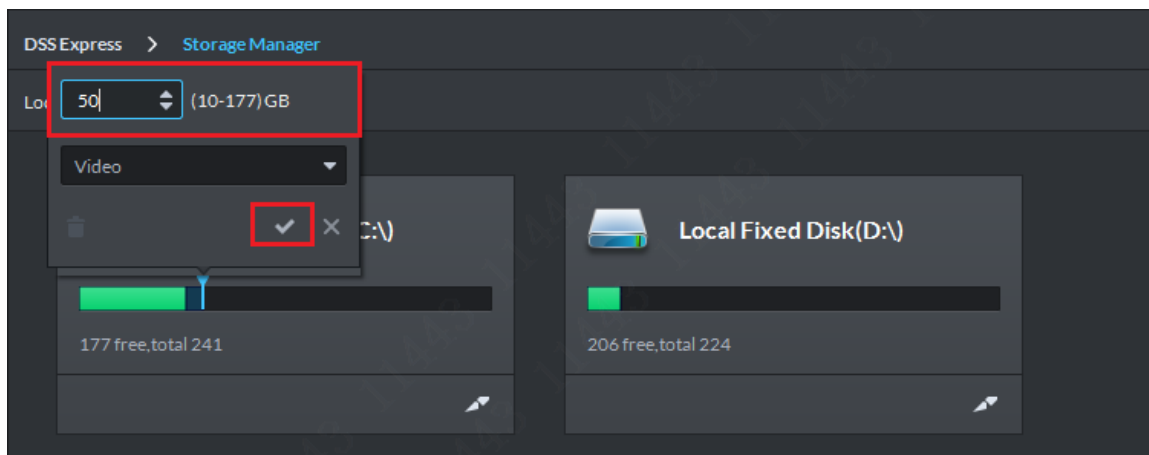


Figure 7-6

Step 7. After disk is complete, see Figure 7-7. In the red box, the value is 50GB just set.

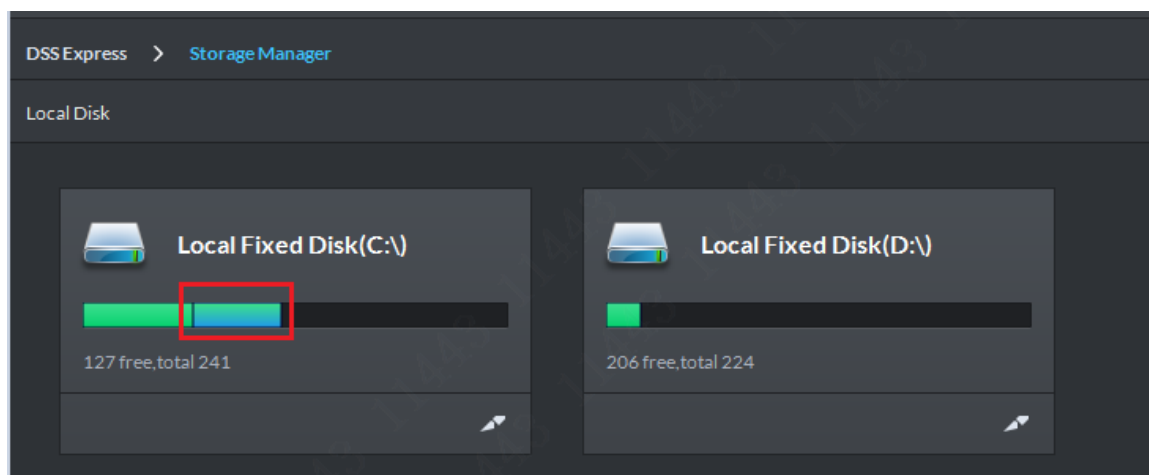


Figure 7-7

Step 8. If you want to this storage space, you can click this segment in disk, and click Delete button in prompt page, see Figure 7-8.

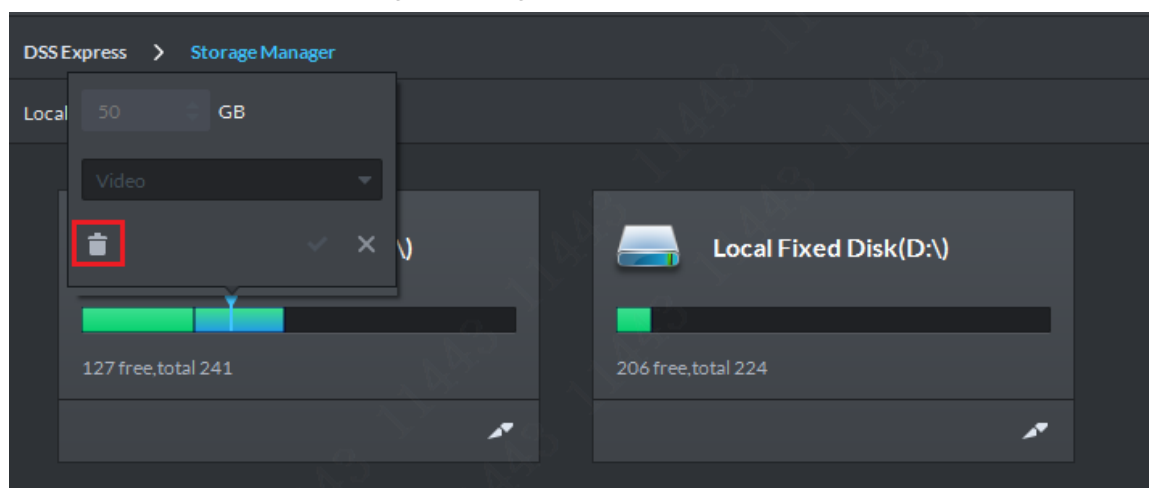


Figure 7-8

7.2 Network Disk Setup

Step 1. First park of operation here is same with local storage disk setup, see Figure 7-9.

Click Add button to add network disk.

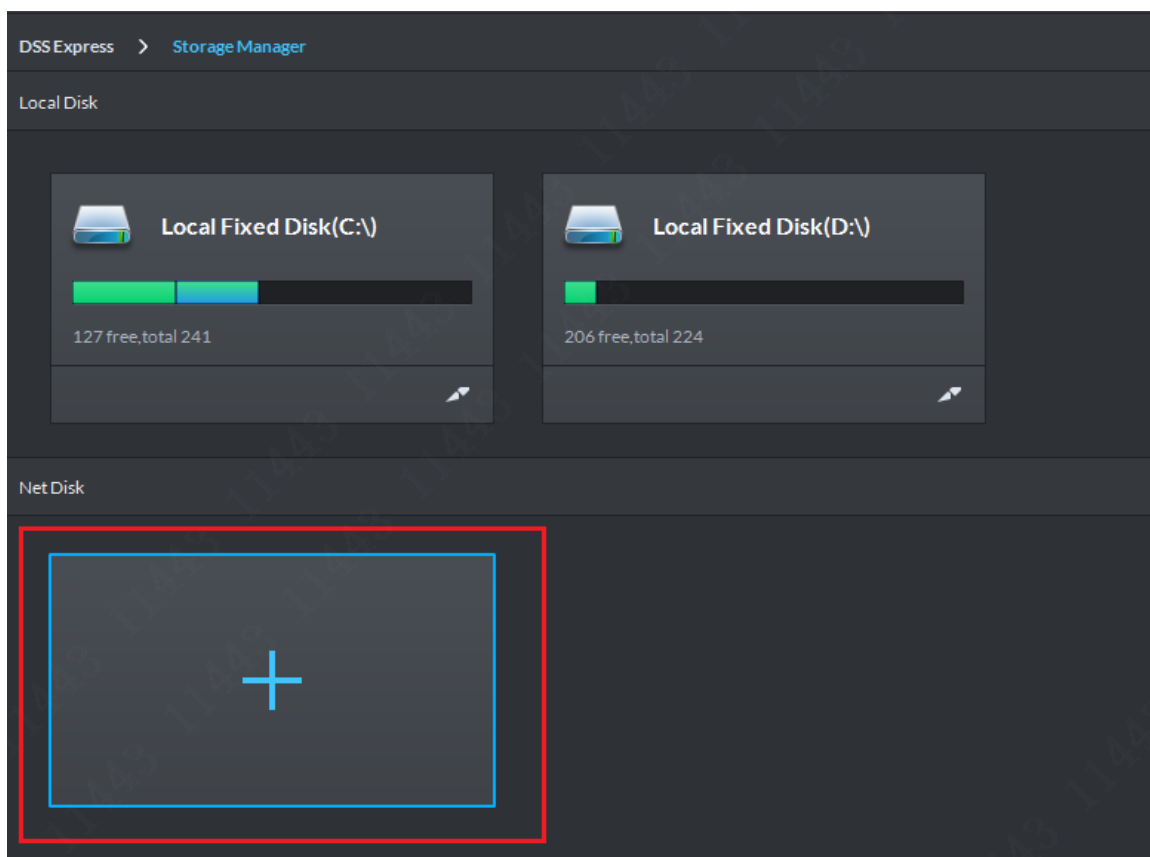


Figure 7-9

Step 2. In system pop-up page, fill in network storage device IP address, confirm and click “OK” button to add, see Figure 7-10.

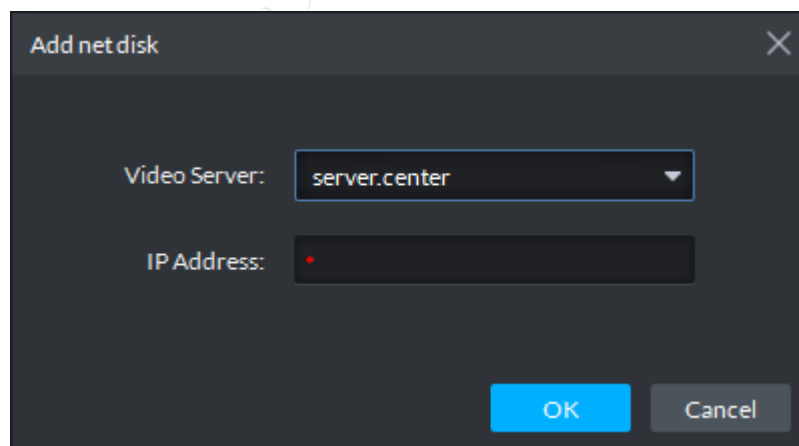


Figure 7-10

Step 3. Format disk.

Step 4. Network disk list is in Figure 7-11. Green means there is free space and red means storage is already full and is overwriting.

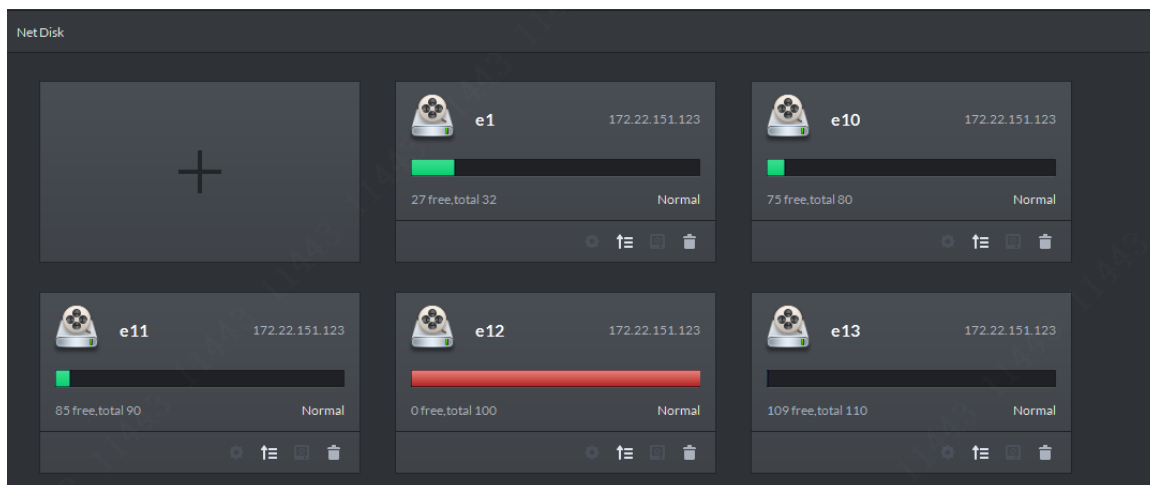


Figure 7-11

7.3 Create Storage Plan

Step 1. In Client homepage, click “Config” in management bar to enter Config module, see Figure 7-12.

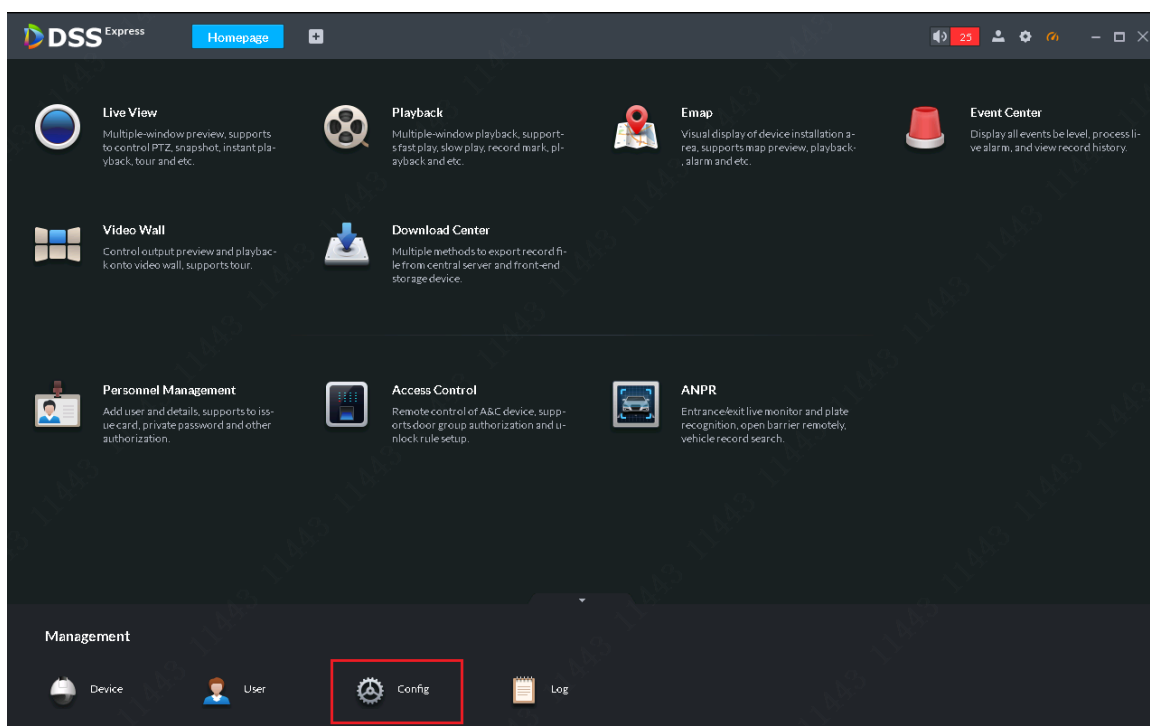


Figure 7-12

Step 2. Please select one video channel on the left, and then click **Record Configuration** record config button on the right, see Figure 7-13.

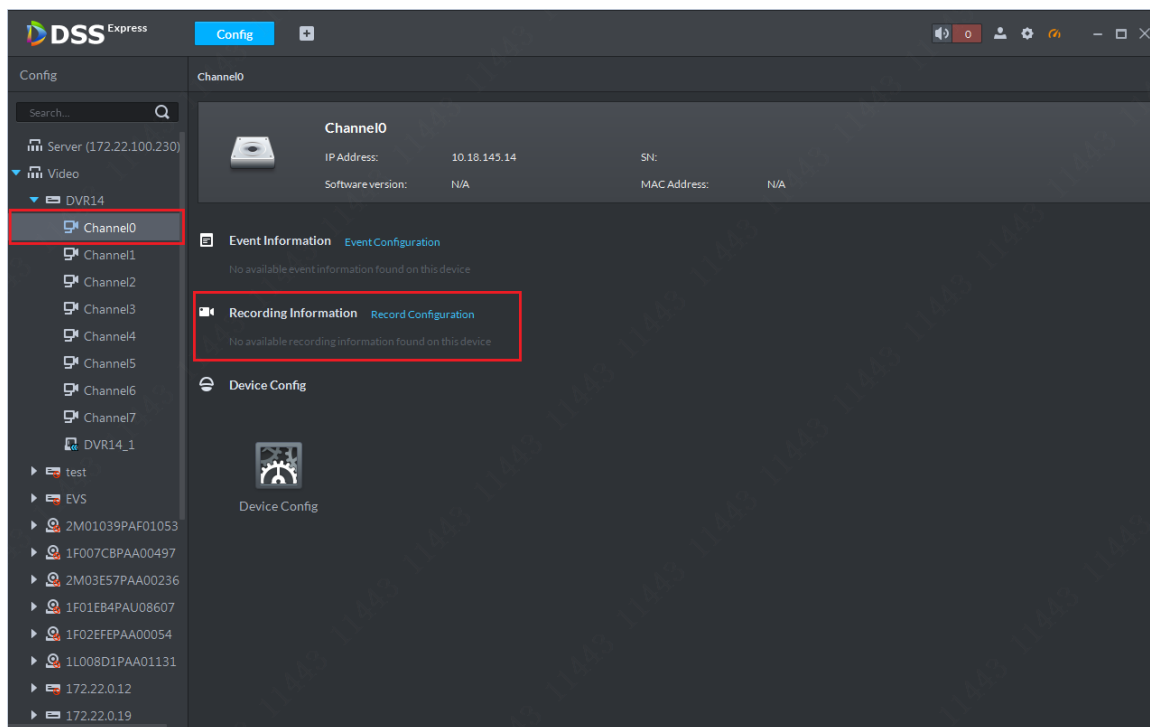


Figure 7-13

Step 3. In system pop-up page, please select record storage path (server/device), stream type (main stream, sub stream 1, sub stream 2), time template, confirm info and click “OK” button to create record plan for this channel, see Figure 7-14.

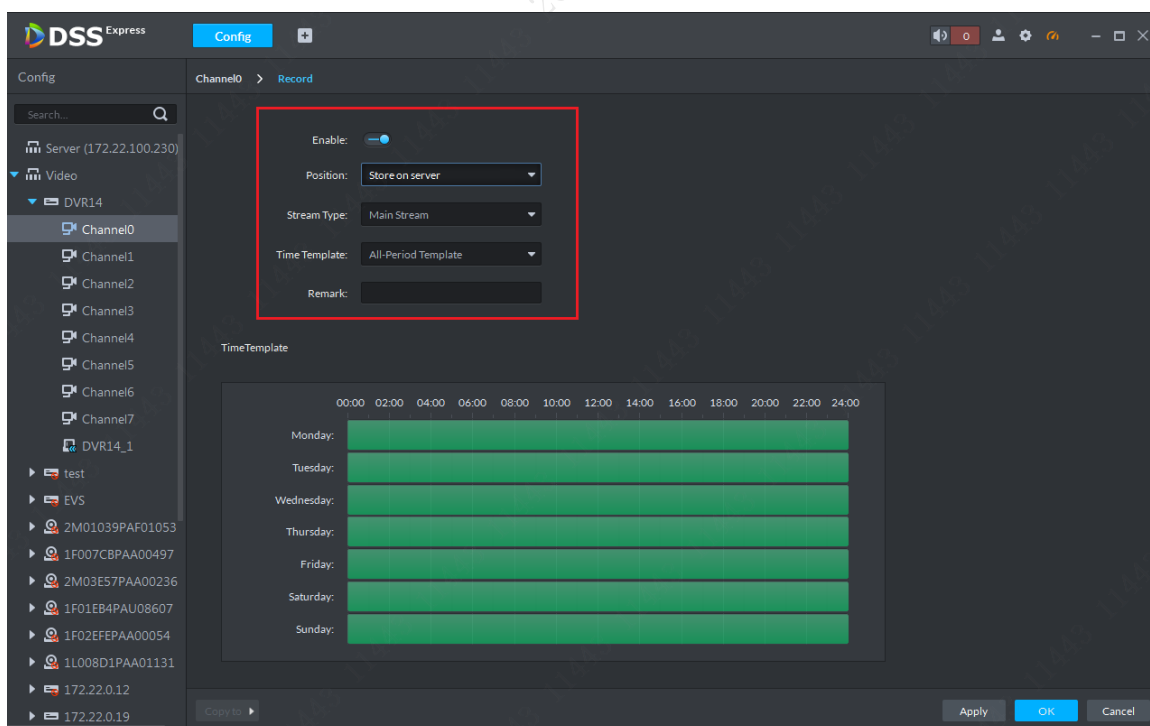


Figure 7-14

Step 4. After record plan is added, see Figure 7-15. A user can open and close plan, modify and delete plan.

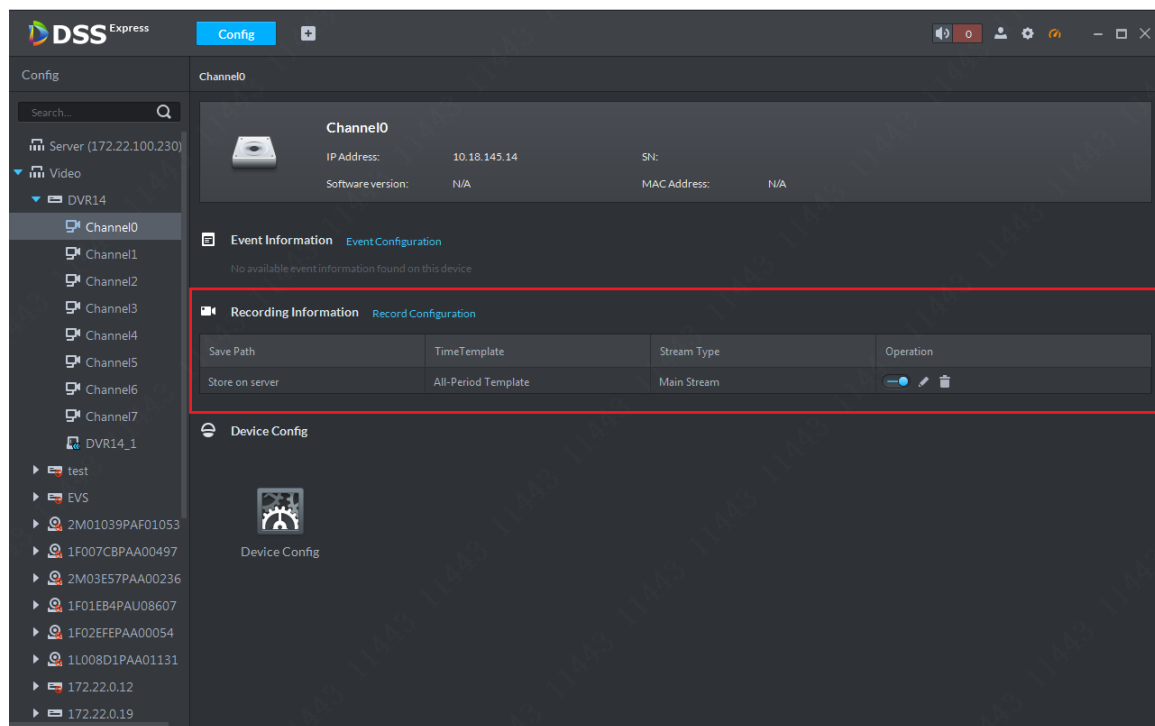


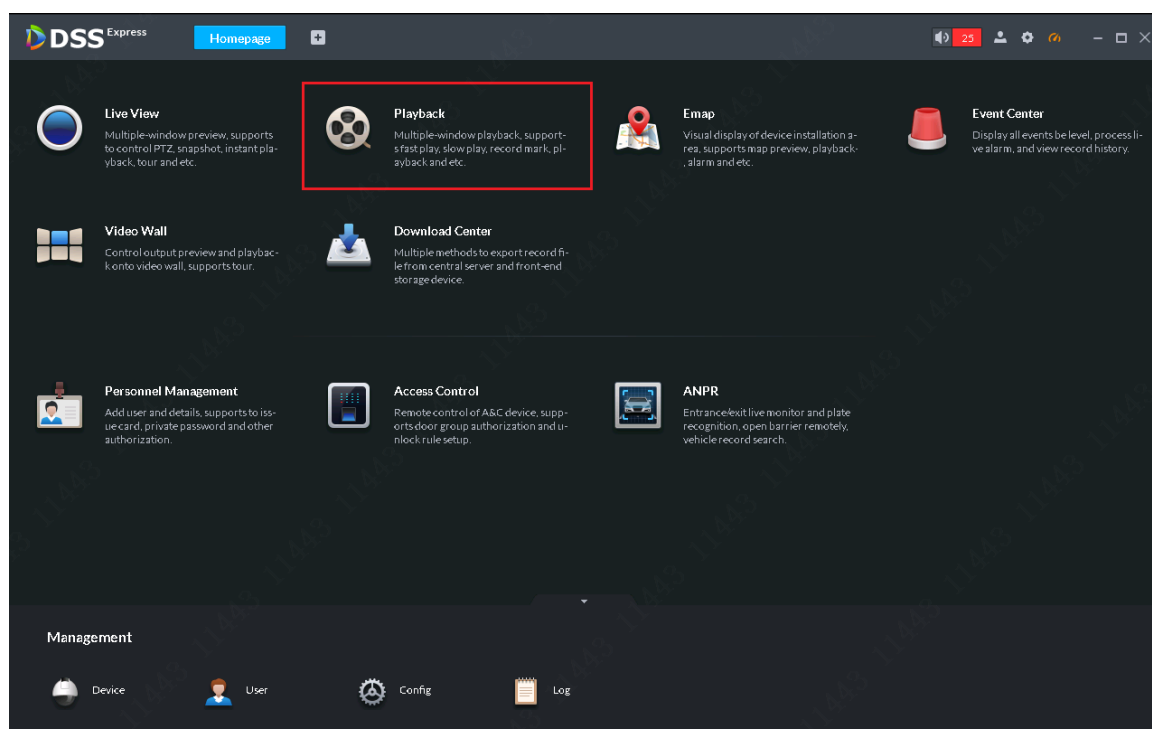
Figure 7-15

8 Playback

8.1 Record Search&Playback

Step 1. In DSS Express Client homepage, click “Playback” to enter record playback module, see Figure 8-1.

Figure 8-1



Step 2. Record playback page is in Figure 8-2. Firstly select channel and storage location for playback. If you set this channel in record plan, it is stored on server.

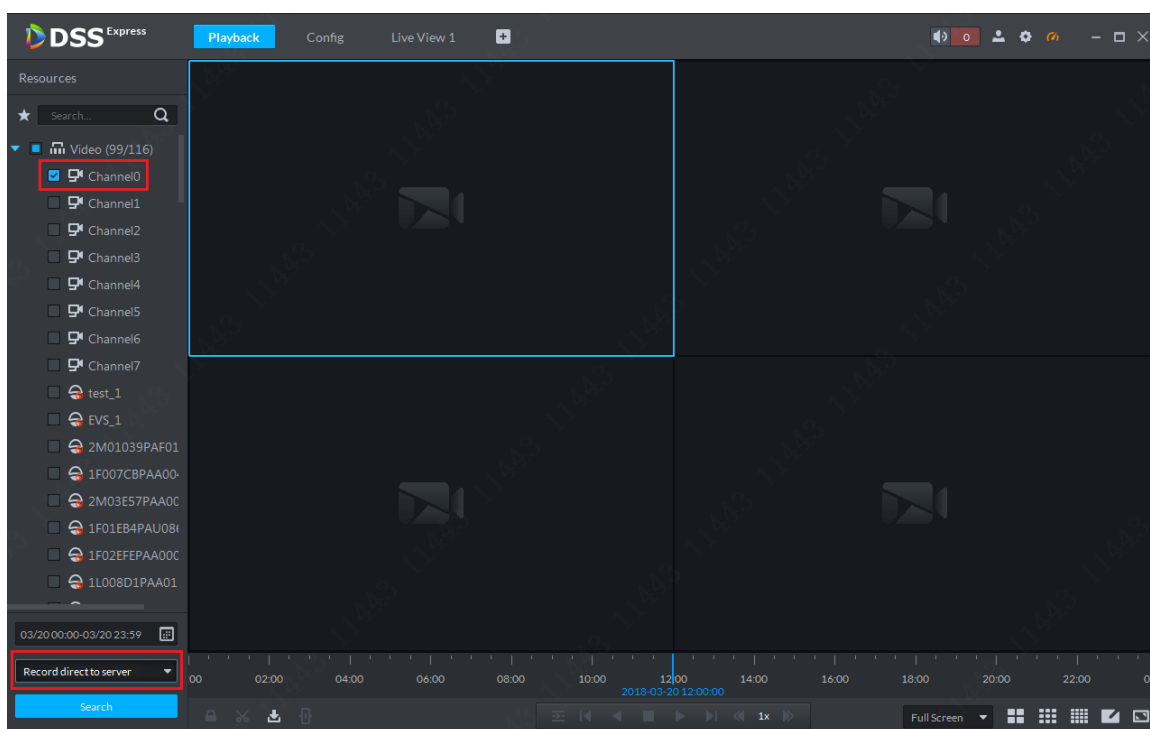


Figure 8-2

Step 3. Select time to search, click to open calendar, if there is record, you can see a blue dot on date, see Figure 8-3. Please select date with record to search.

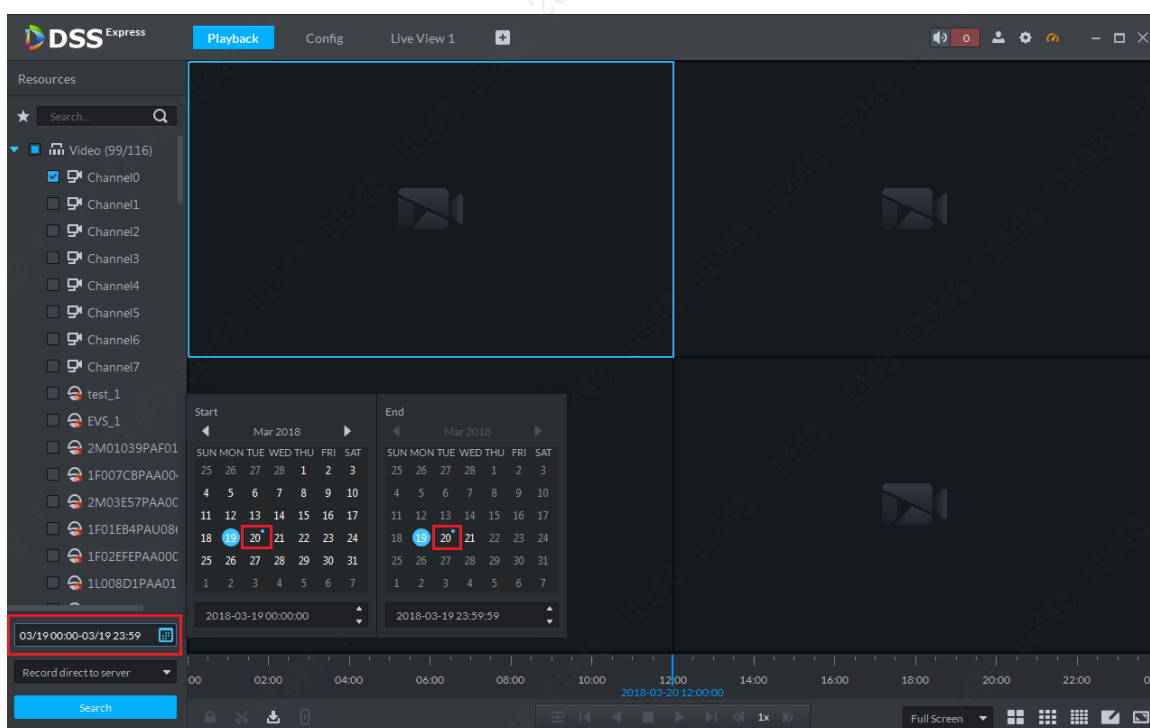


Figure 8-3

Step 4. Record search result is in Figure 8-4. Double click time with record on time axis to playback record by time (you can scroll to zoom in time axis). Click play button in window to start play from the earliest time.

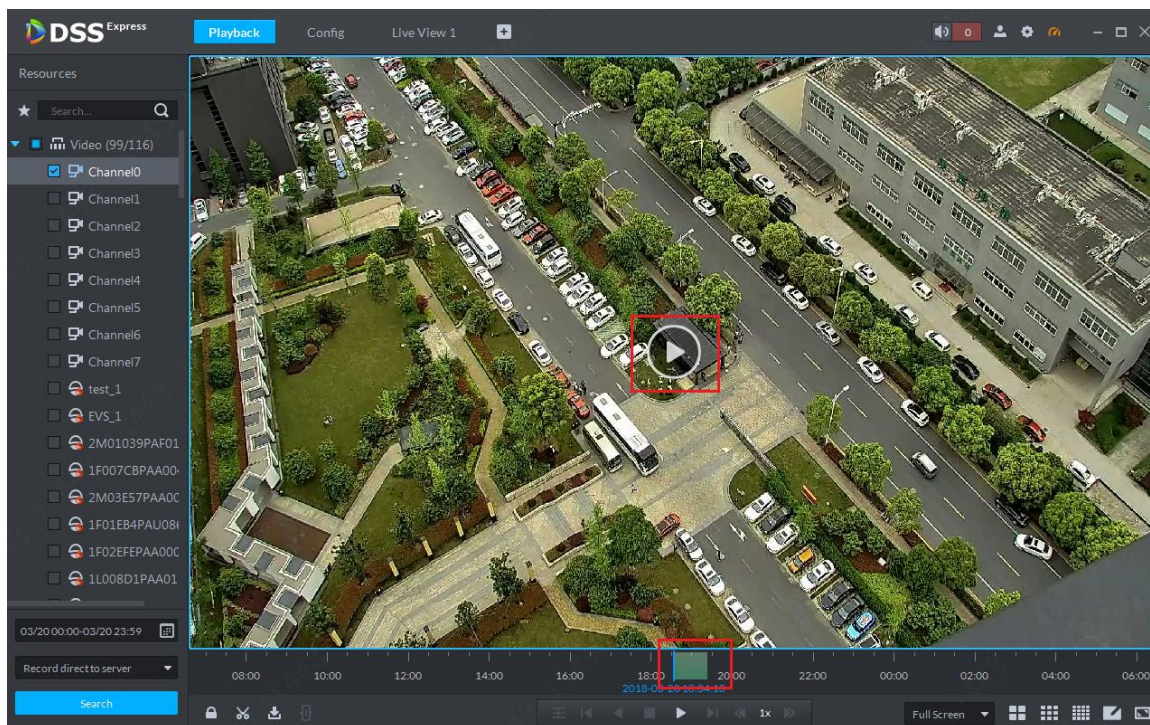


Figure 8-4

Step 5. During playback, you can control record via tools at bottom, see Figure 8-5.

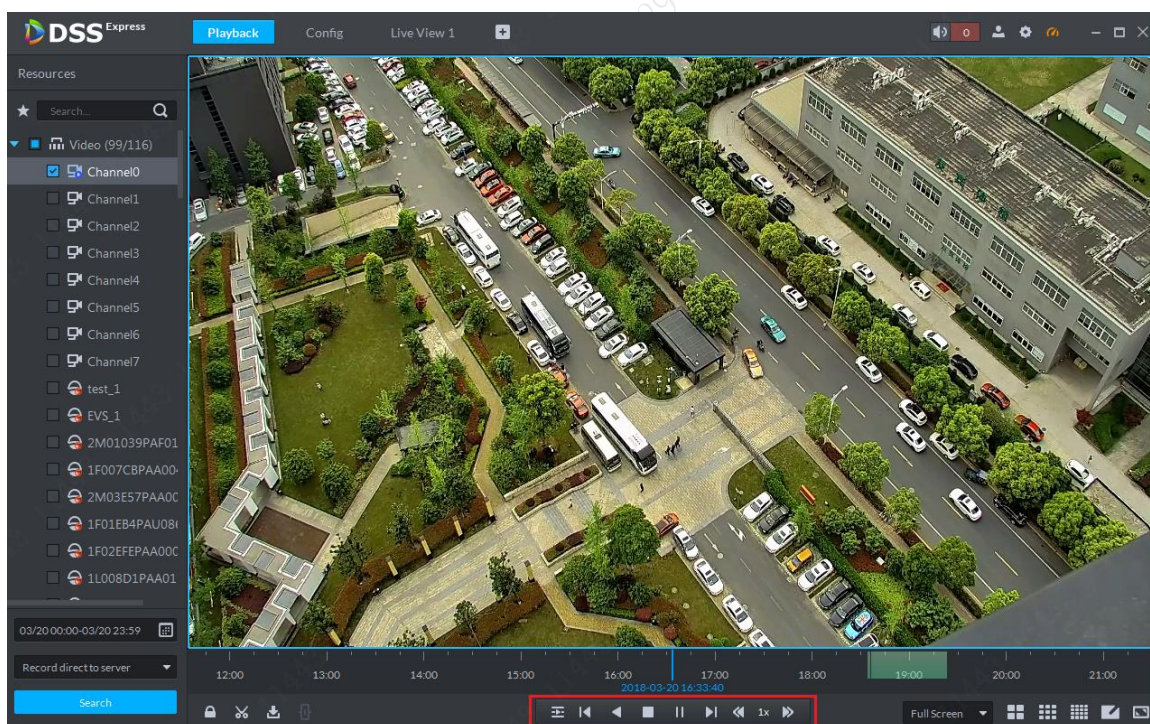



Figure 8-5

8.2 Download Record

Step 1. Follow previous section, in playback page, click cut  button, and select start time and end time on time axis to download record. See Figure 8-6. Record download supports many formats: dav, avi, mp4, flv and asf.

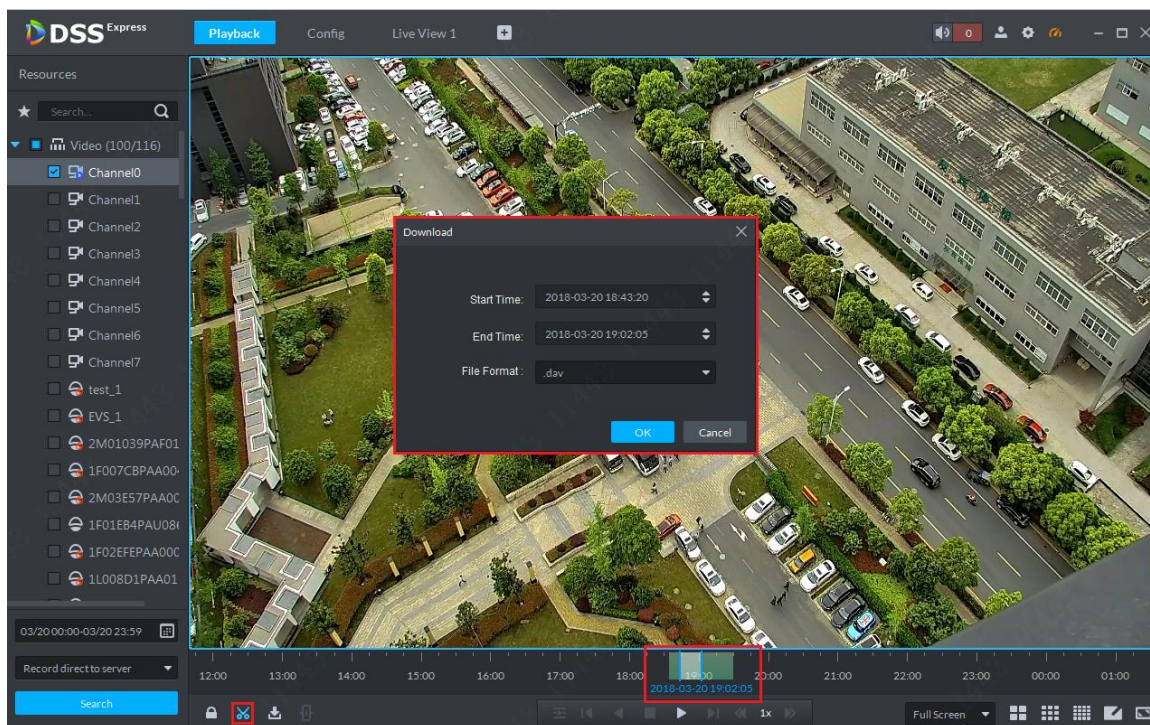


Figure 8-6

Step 2. Click download and go to download center, see Figure 8-7. A user can pause and delete downloading task via control button.

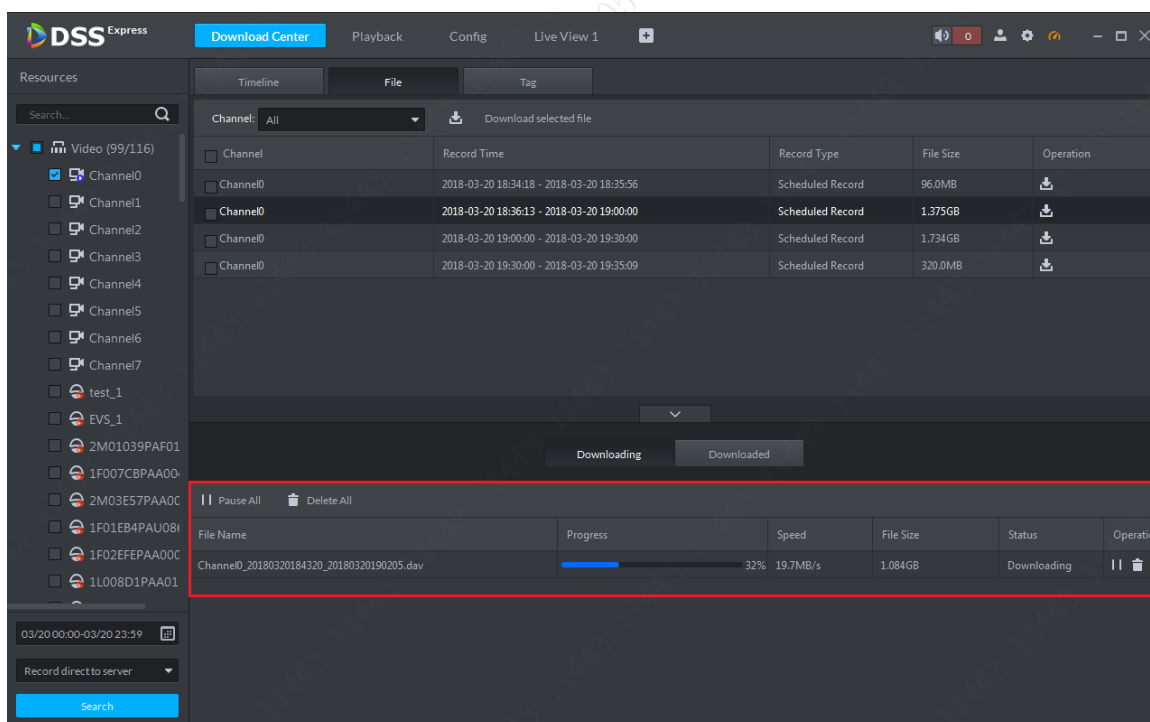


Figure 8-7

Step 3. You can click download button to enter download center, you can download record by record list and tag. See Figure 8-8.

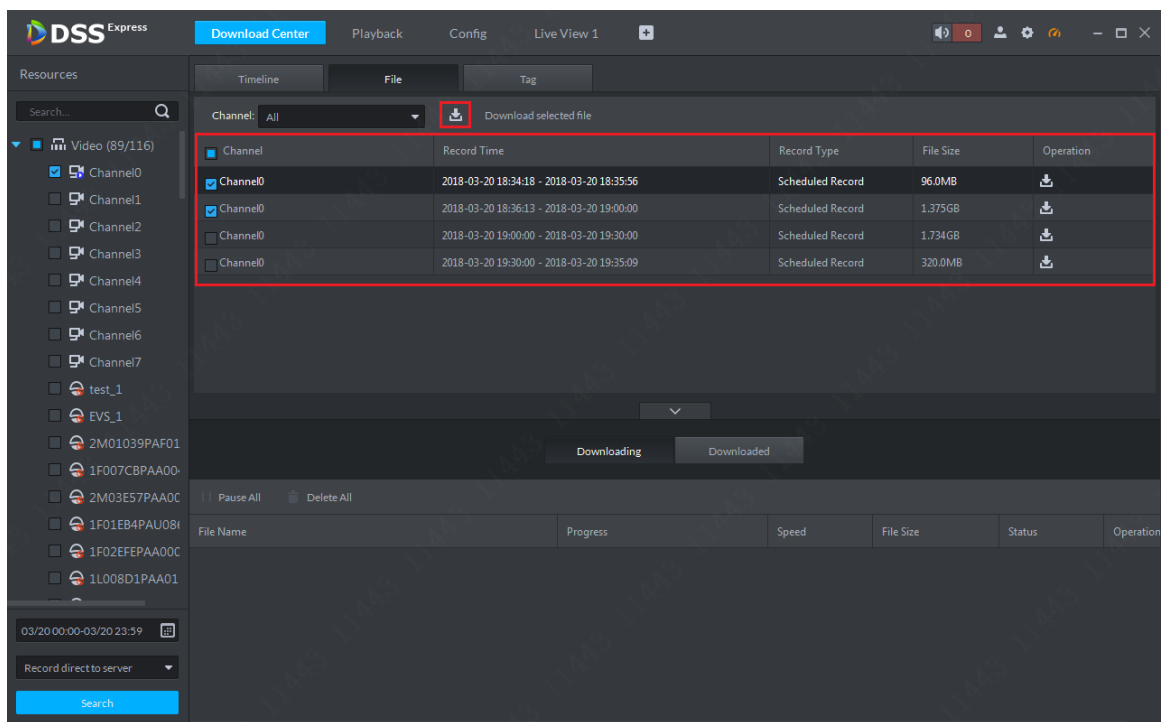


Figure 8-8

9 Download Center

Download center provides 3 types of download modes, including timeline, record list and tag. You can pause, delete downloaded record.

9.1 Download Record

Before downloading, please select channel, time, storage position accordingly to search record, see Figure 9-1. Result in Figure 9-2.

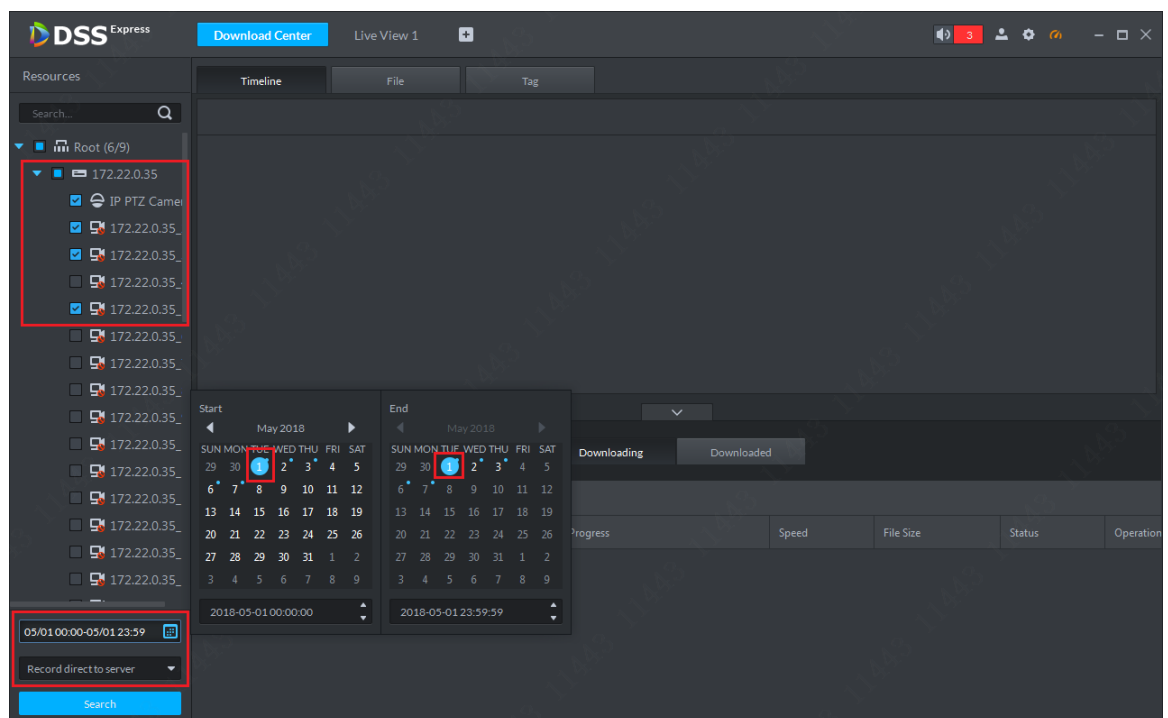


Figure 9-1

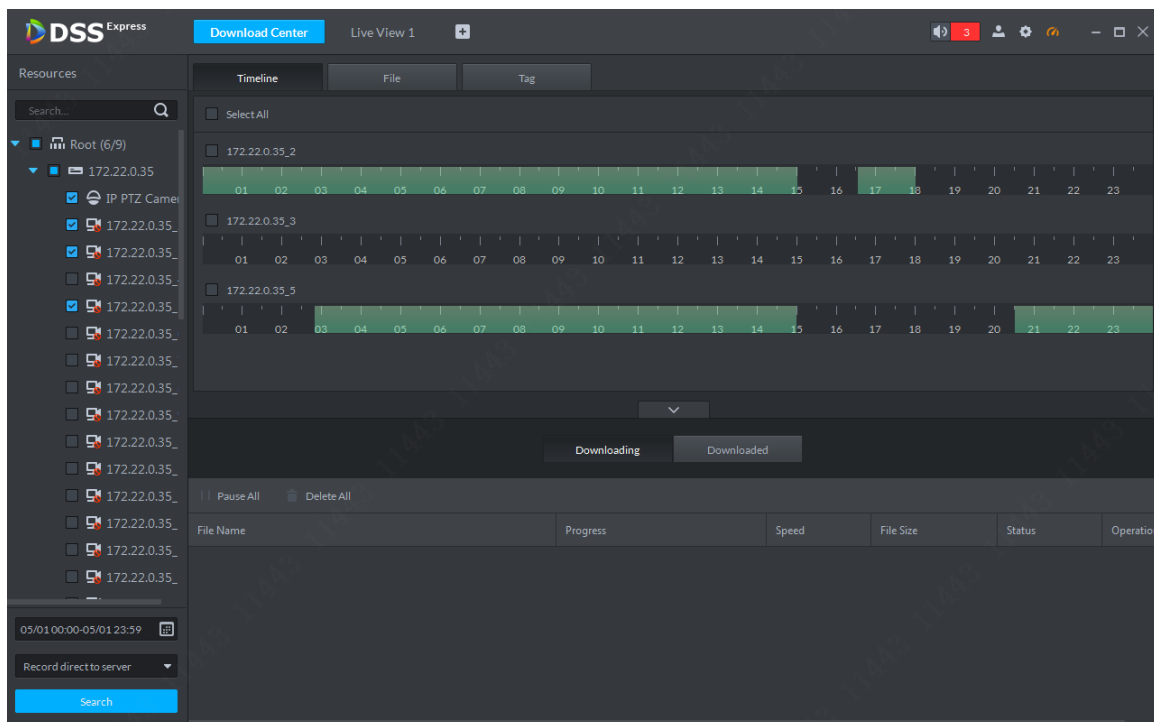


Figure 9-2

9.1.1 Timeline Cut

Step 1. In search result, click Timeline tab, and select display of timeline, see Figure 9-3.

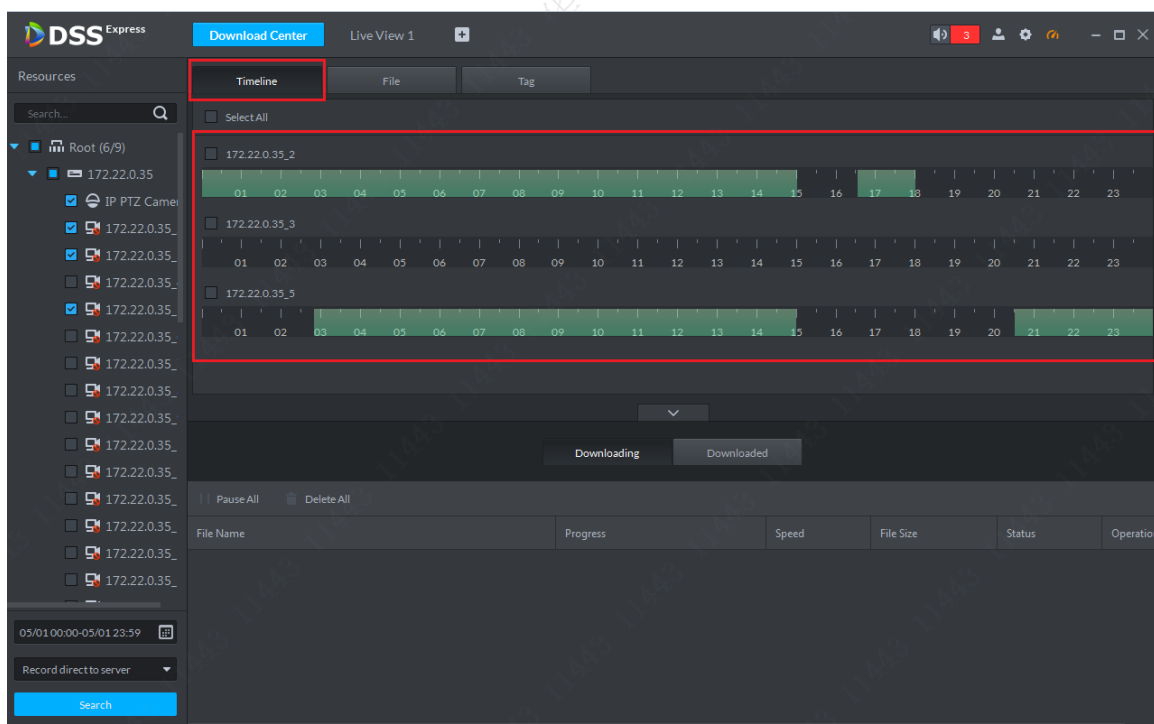


Figure 9-3

Step 2. Move mouse to timeline, you can see a small pair of scissors. You can click timeline to select start time and end time, then in system pop-up prompt box, confirm the selected time range and select record storage format. See Figure 9-4. There are 5 formats: dav, avi, mp4, flv and asf. Please select accordingly.

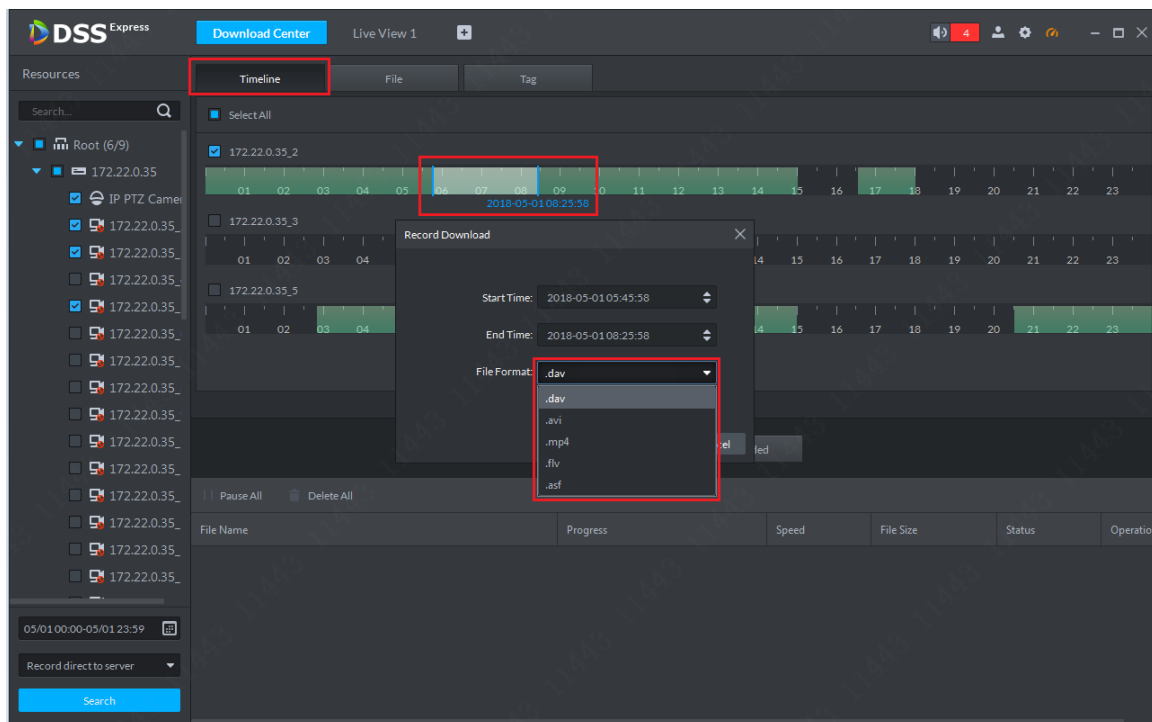


Figure 9-4

Step 3. Confirm download info and click OK to start downloading. See Figure 9-5.

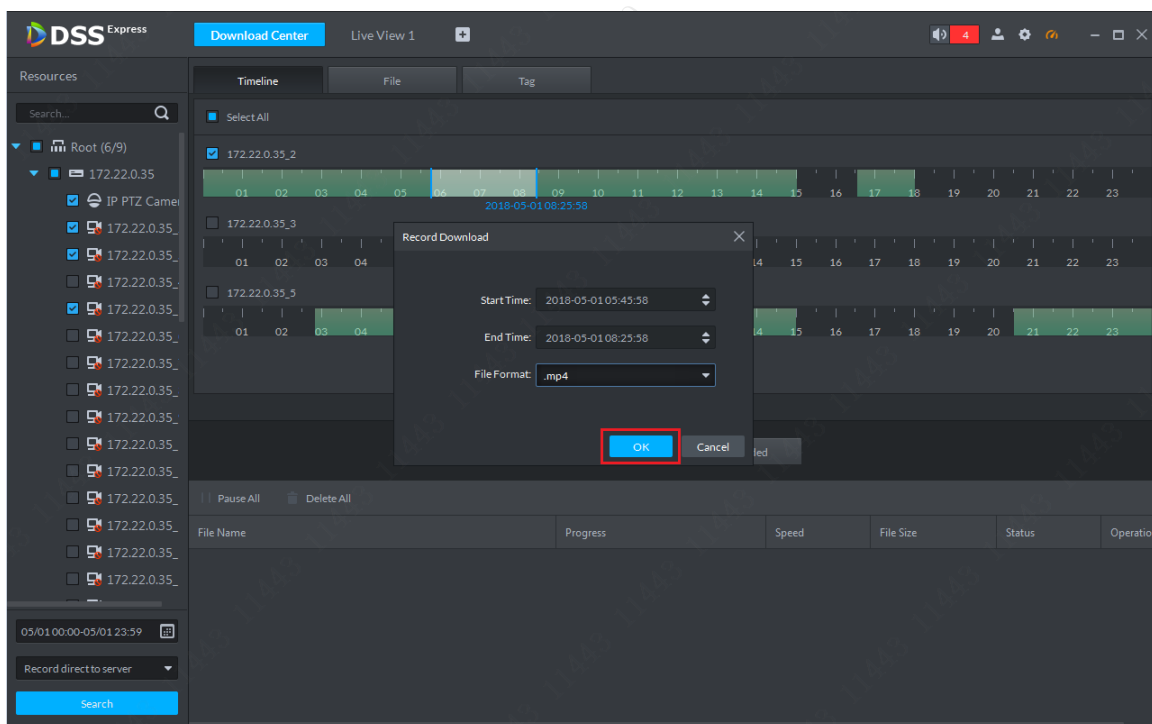


Figure 9-5

Step 4. Progress of download is shown below. A user you pause, start and delete the downloading.

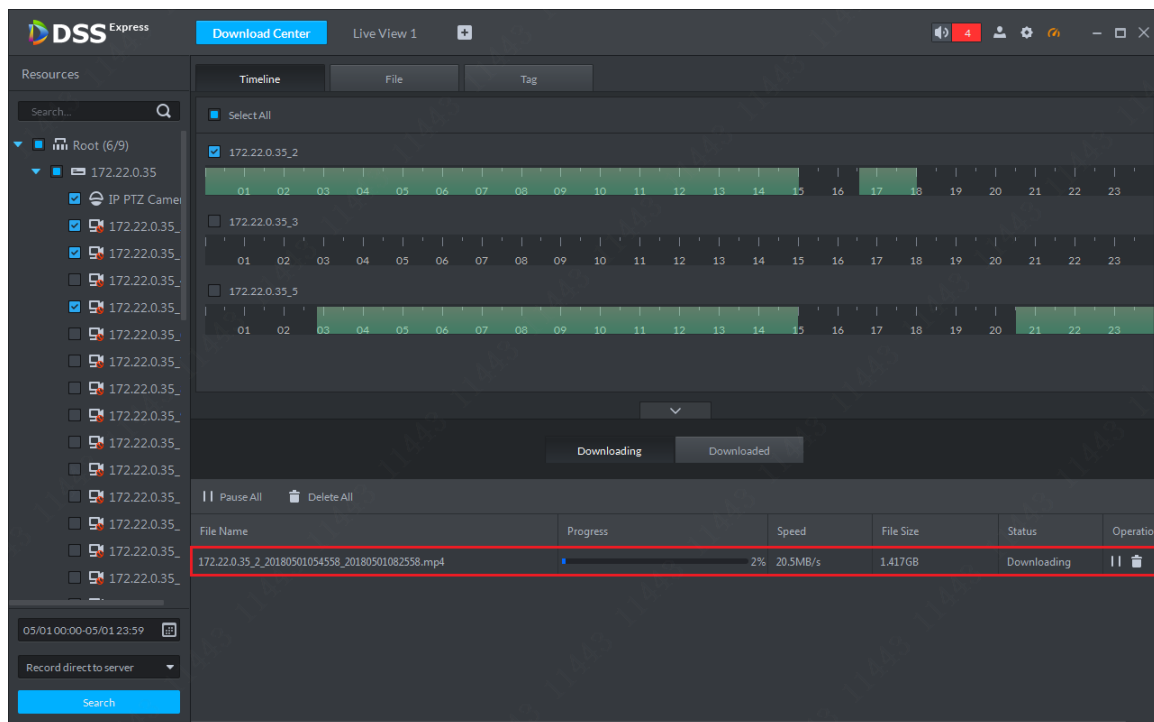


Figure 9-6

9.1.2 Select Record List

Step 1. In search result, click File tab and select record display method, see Figure 9-7.

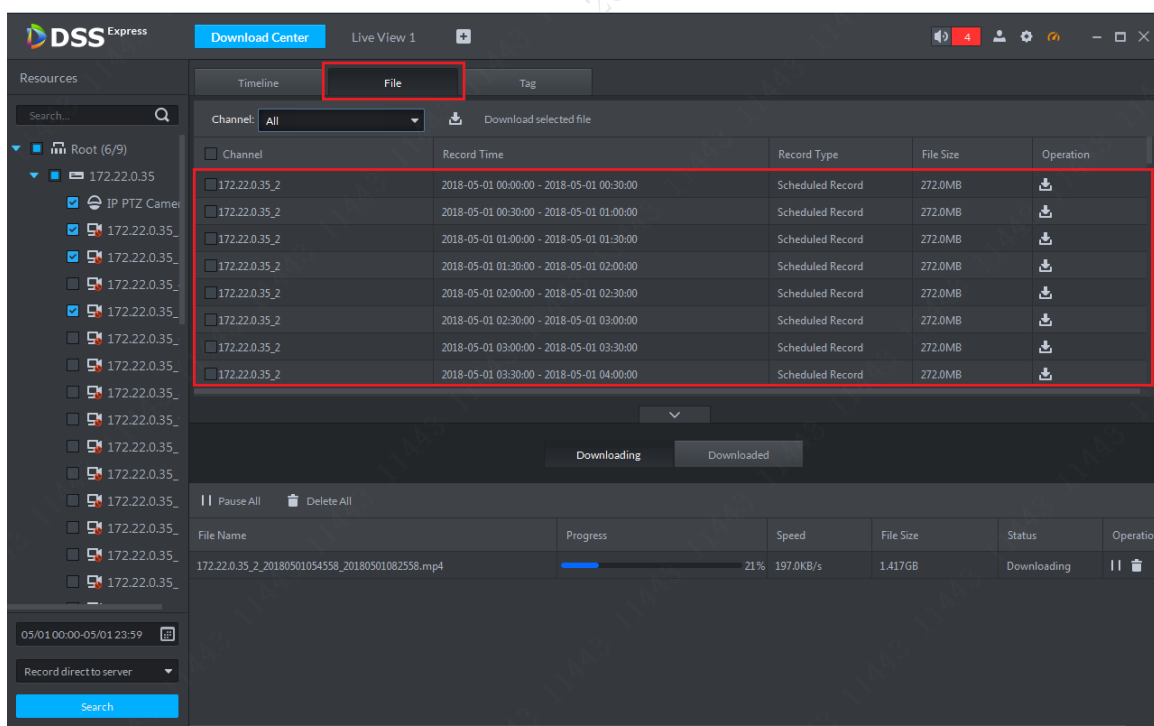


Figure 9-7

Step 2. A user can check more than one record file to download. Click Download to batch download, or user can click corresponding download button of a file, see Figure 9-8.

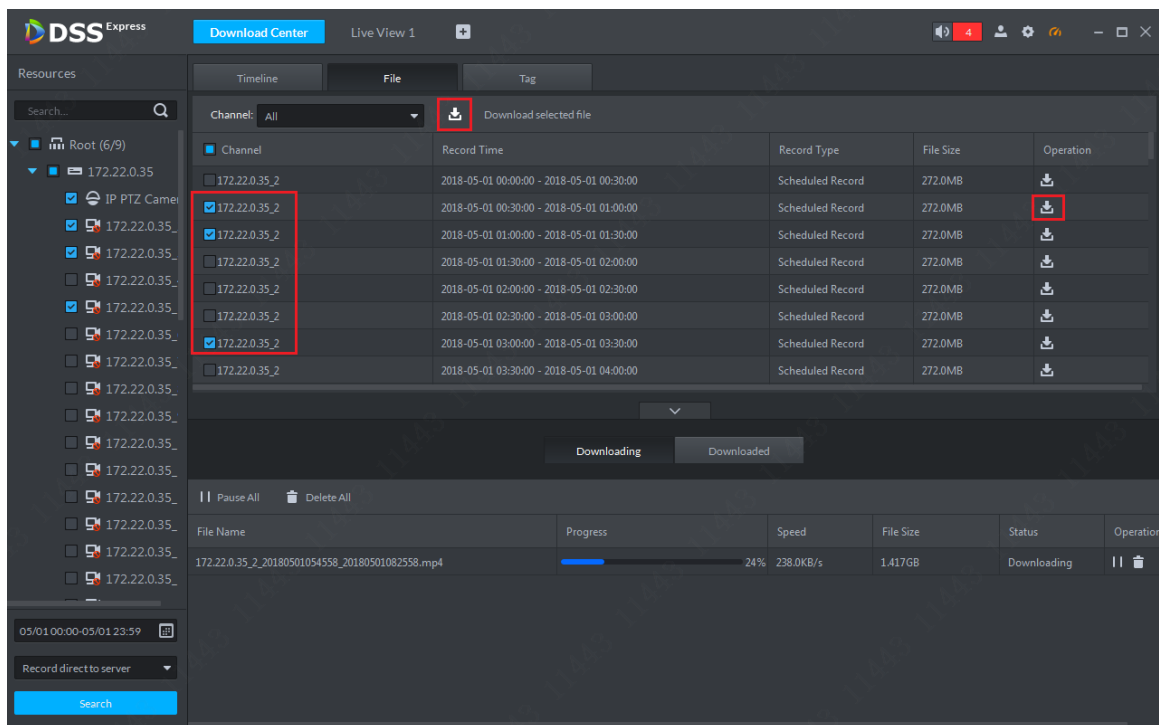


Figure 9-8

9.1.3 Tag Record

Step 1. In search result, click Tag and select tag display method, see Figure 9-9.

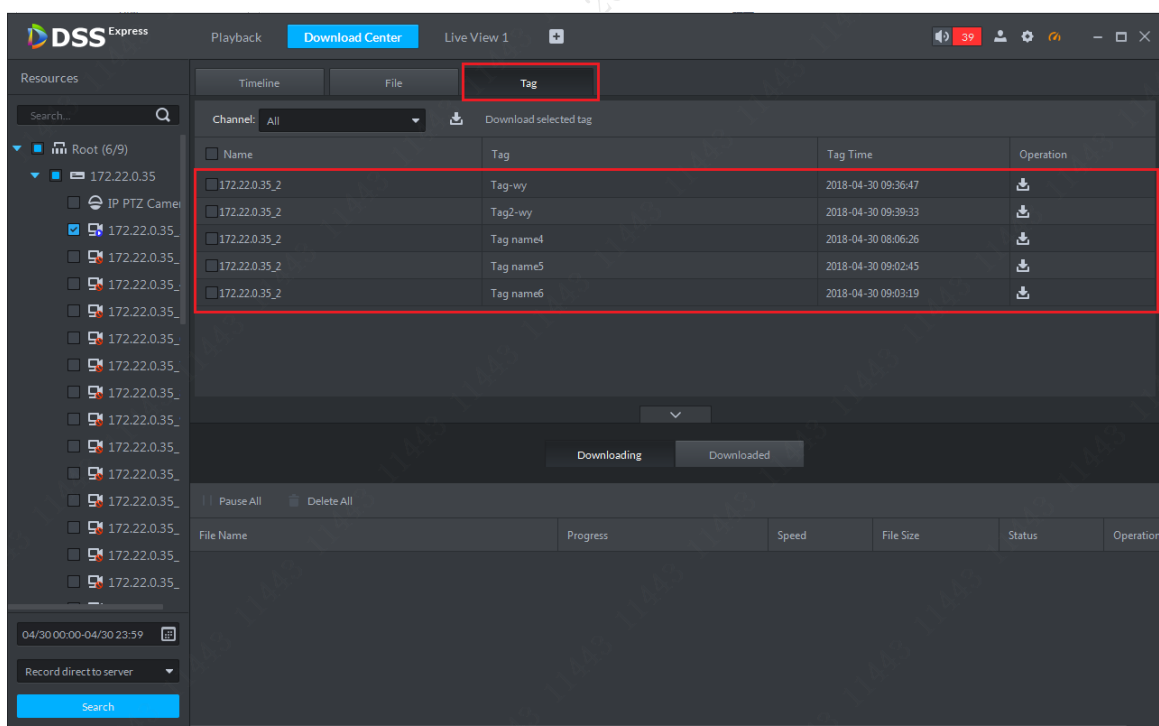


Figure 9-9

Step 2. A user can check more than one record file to download. Click Download button to batch download, or you can click corresponding download button of a record file. A prompt box pops up, please select length of tagged record you want to download and select record format. Then click OK. See Figure 9-10.

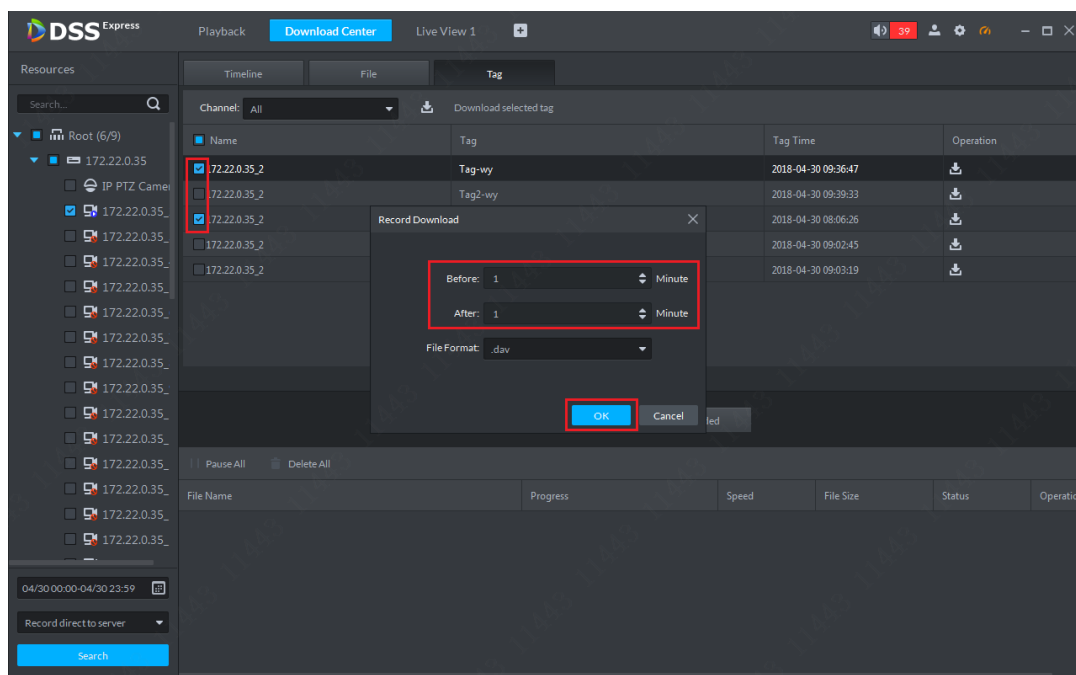


Figure 9-10

9.2 Download Management

9.2.1 Download Complete

After download is complete, the system will auto pop up a box at the lower right corner, see Figure 9-11. Click folder icon to enter the folder.

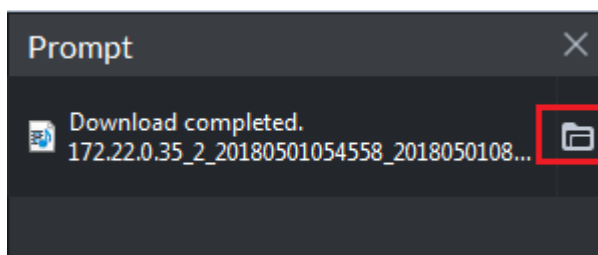


Figure 9-11

9.2.2 Pause/Start Download

In download management page, you can pause all current download tasks or a specific task, control button is shown in Figure 9-12. Button 1 is pause all, and button 2 is pause one task. To start task(s) again, buttons are shown in Figure 9-13.

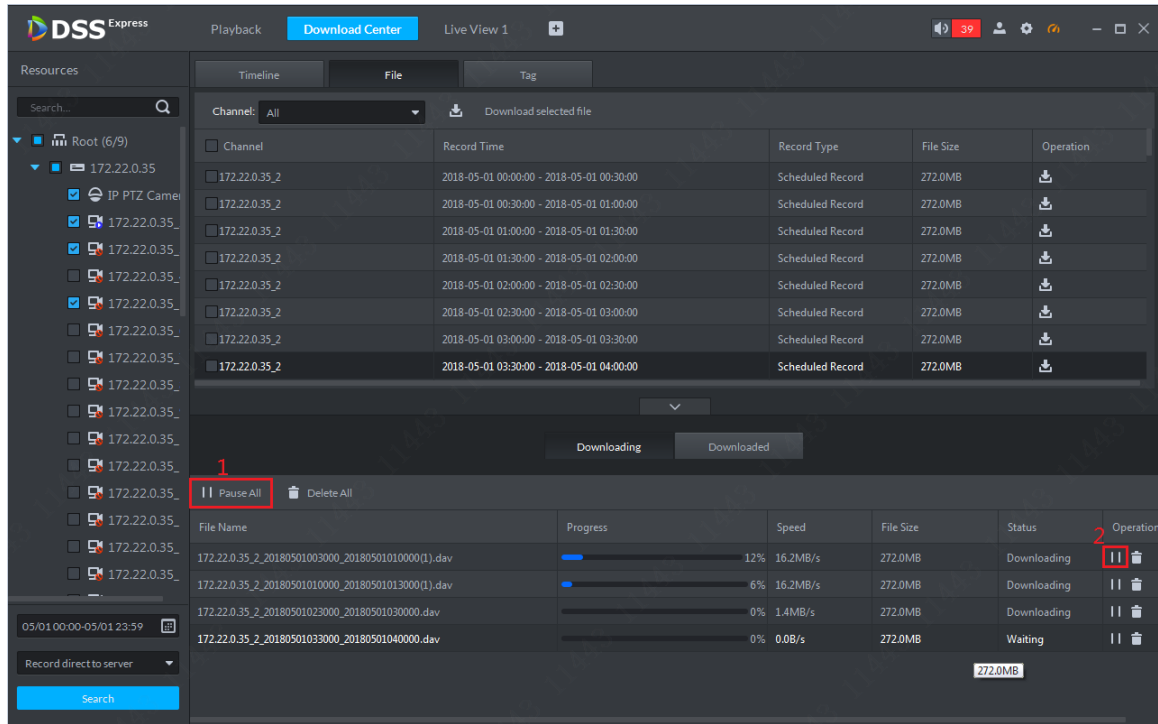


Figure 9-12

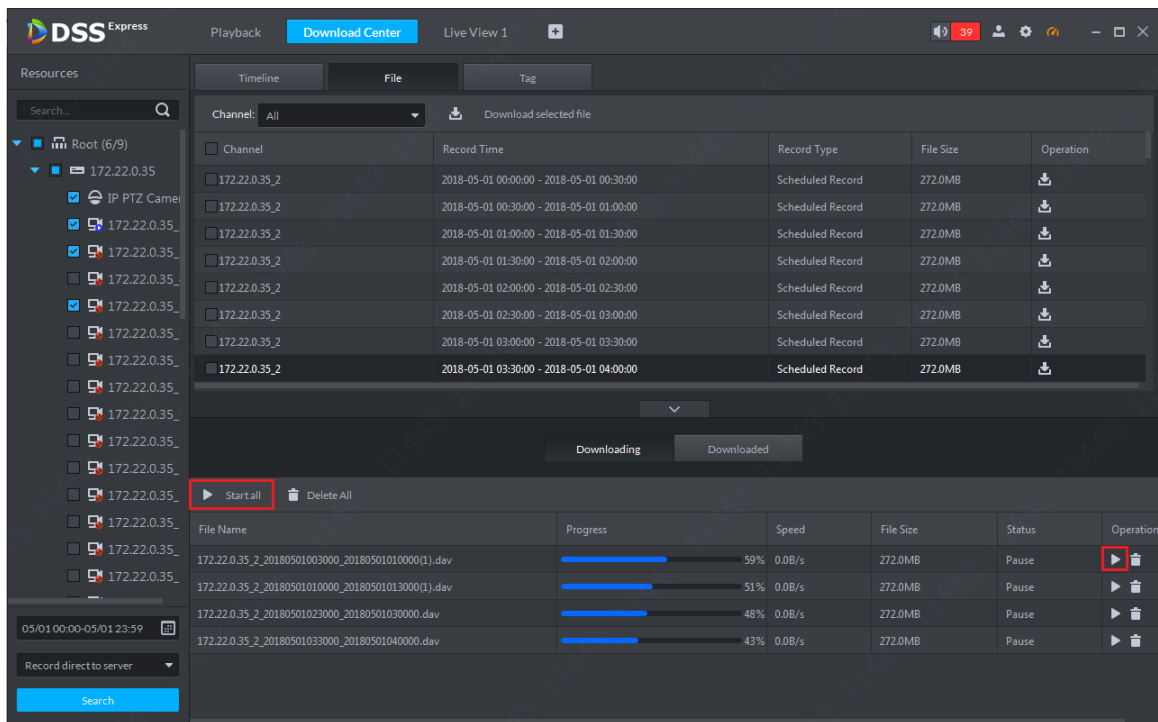


Figure 9-13

9.2.3 Delete Download Task

For task in downloading or paused, you can delete it accordingly, control button is shown in Figure 9-14. Button 1 is to delete all tasks in list. Button 2 is to delete corresponding task. Please select as you need, and please be aware that no prompt will appear.

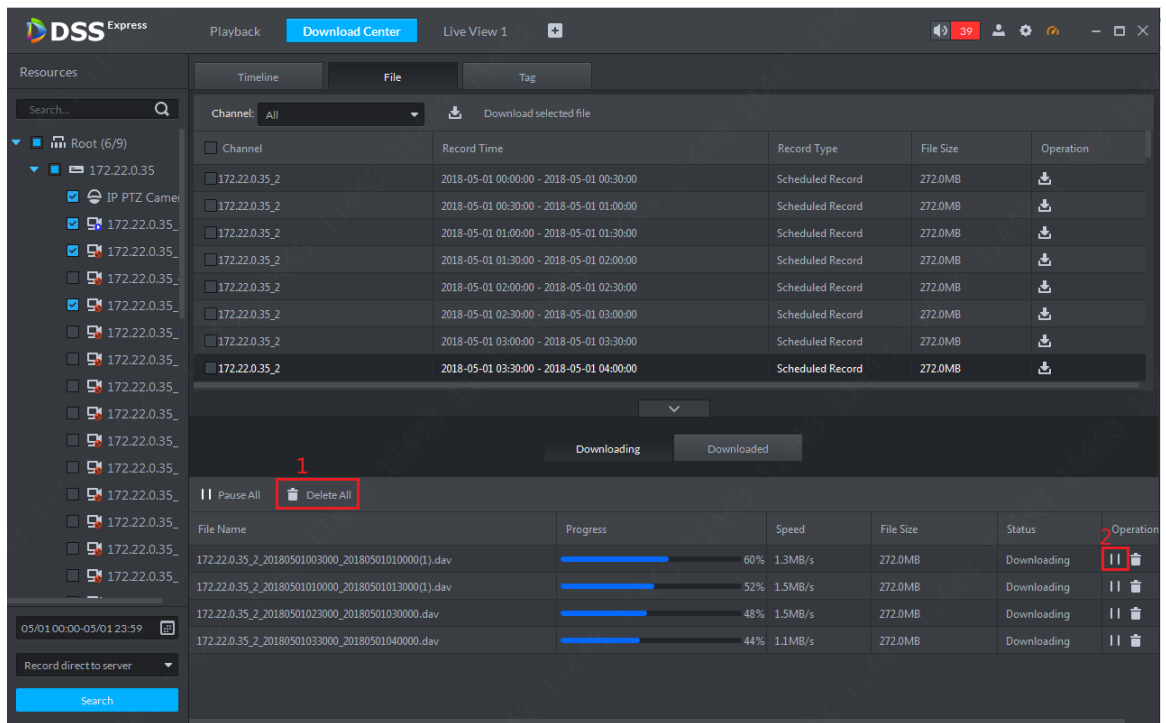


Figure 9-14

10 Map Application

DSS Express platform currently supports raster map. You can set more maps at the same time. Default display is map which set as main map by you.

10.1 Add Map

Step 1. When you first time enter map application module, map info is blank. The system will prompt you to add map info, please follow instructions and click Here to add map picture. See Figure 10-1.

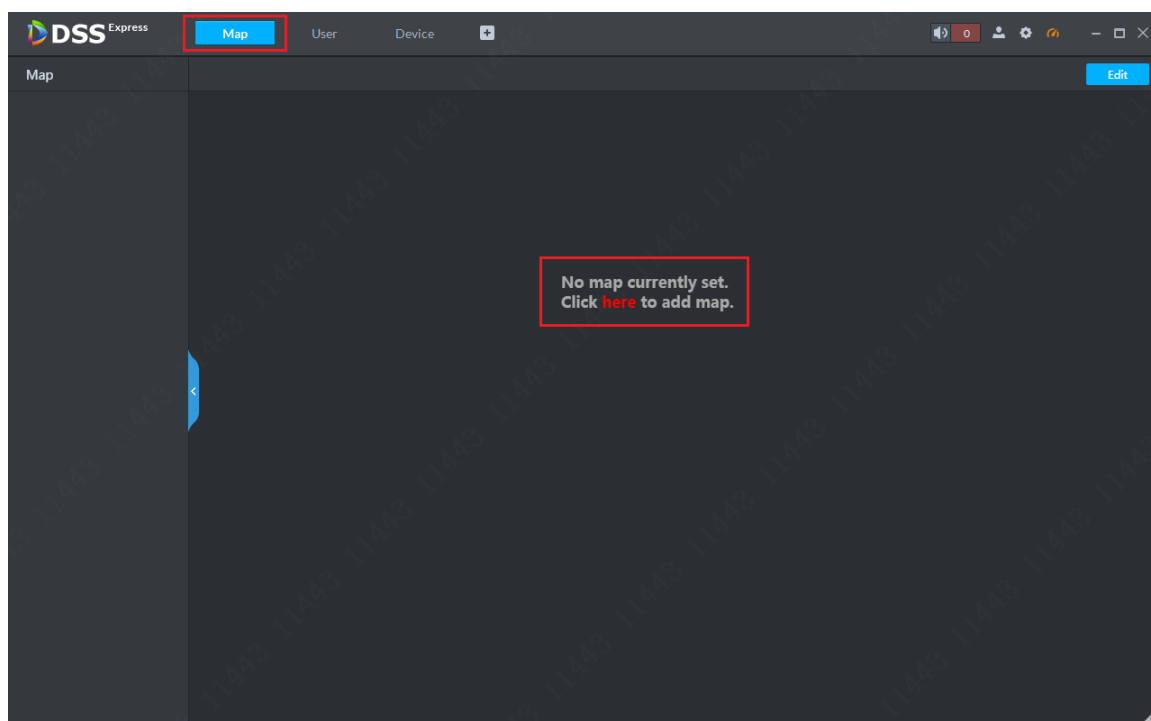


Figure 10-1

Step 2. Please set map name as you need, and select picture file. Then click OK button to add.

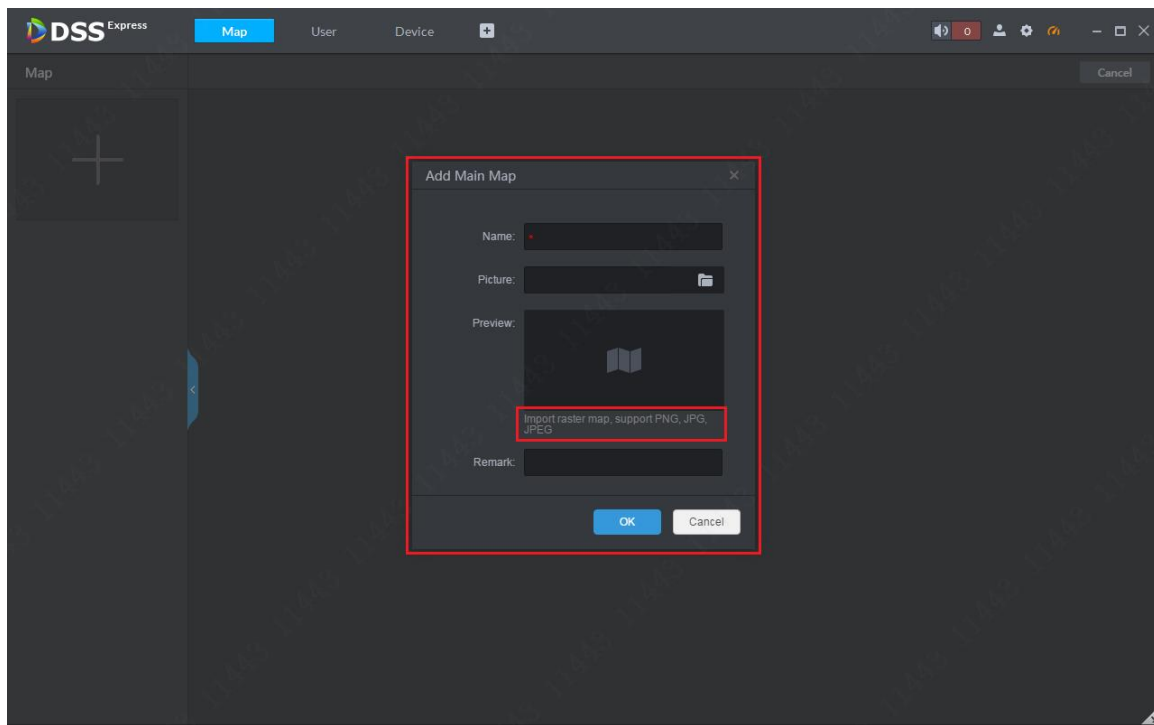


Figure 10-2

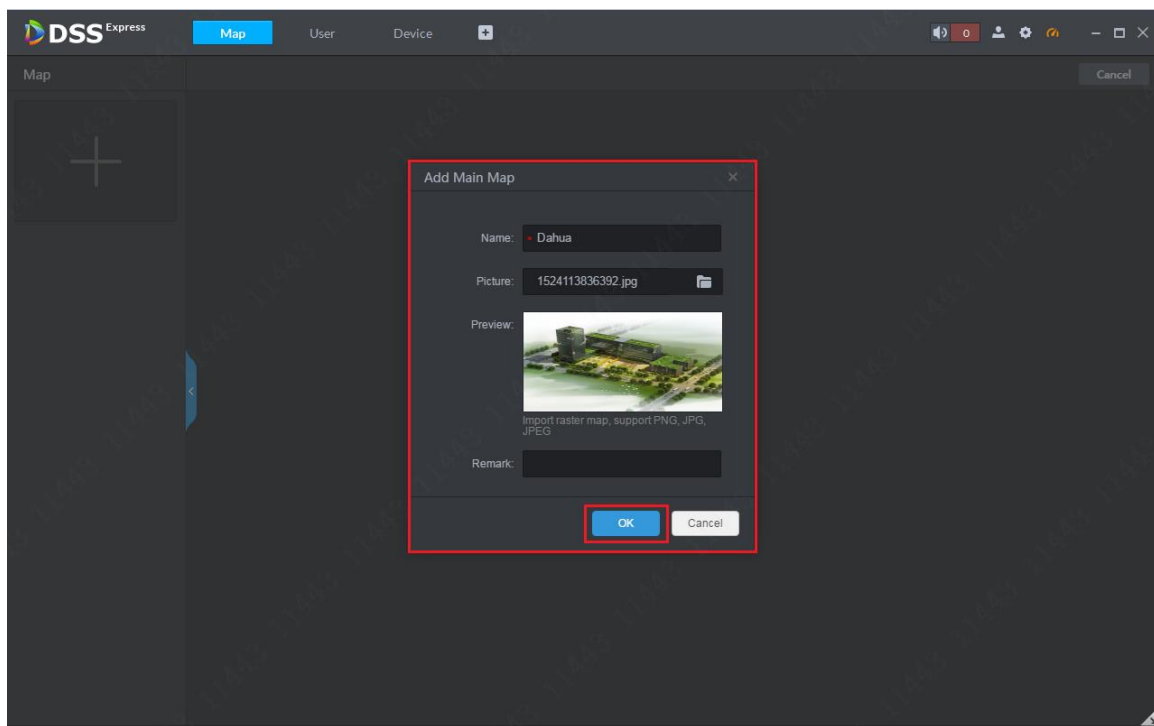


Figure 10-3

Step 3. After you complete adding of map, you can scroll mouse to zoom in.

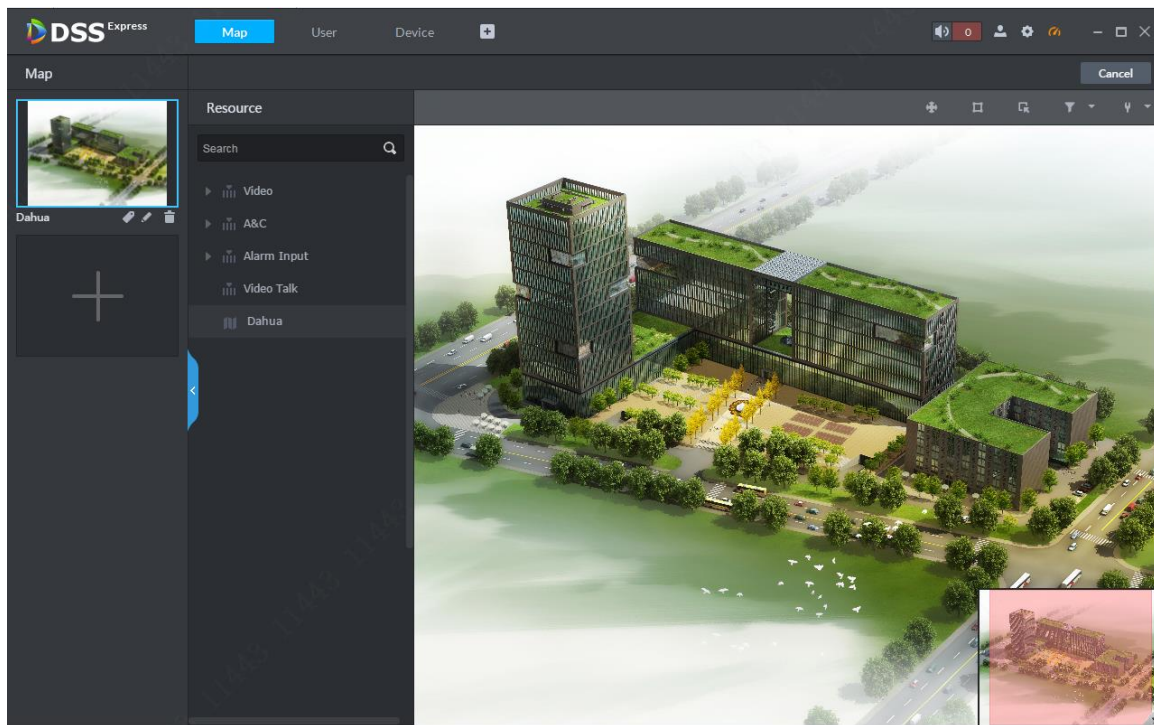


Figure 10-4

Step 4. In device list, expand device info. You can drag video channel, access control channel, alarm channel into map as you want, see Figure 10-5. In map edit mode, all operations take effective immediately.

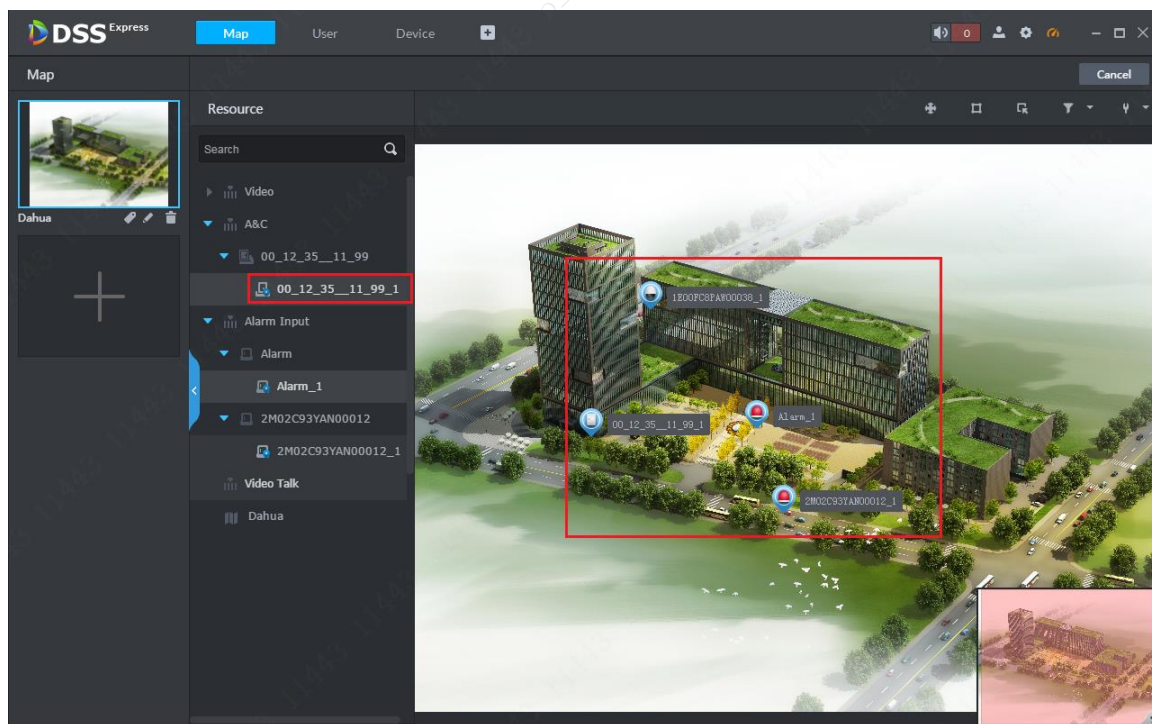



Figure 10-5

Step 5. If you need to adjust position of each channel on the map, please click  button first to enable drag function. See Figure 10-6. When the button changes to blue, then you can move it. After you adjust position, please click it again to disable drag function.

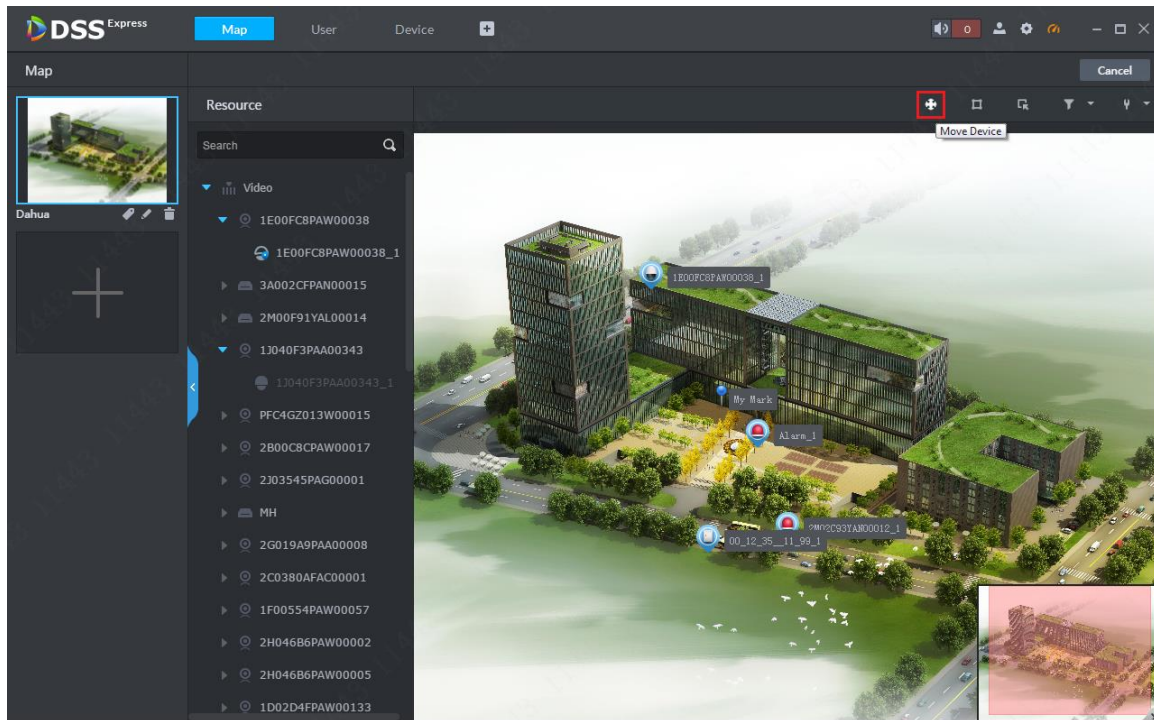


Figure 10-6

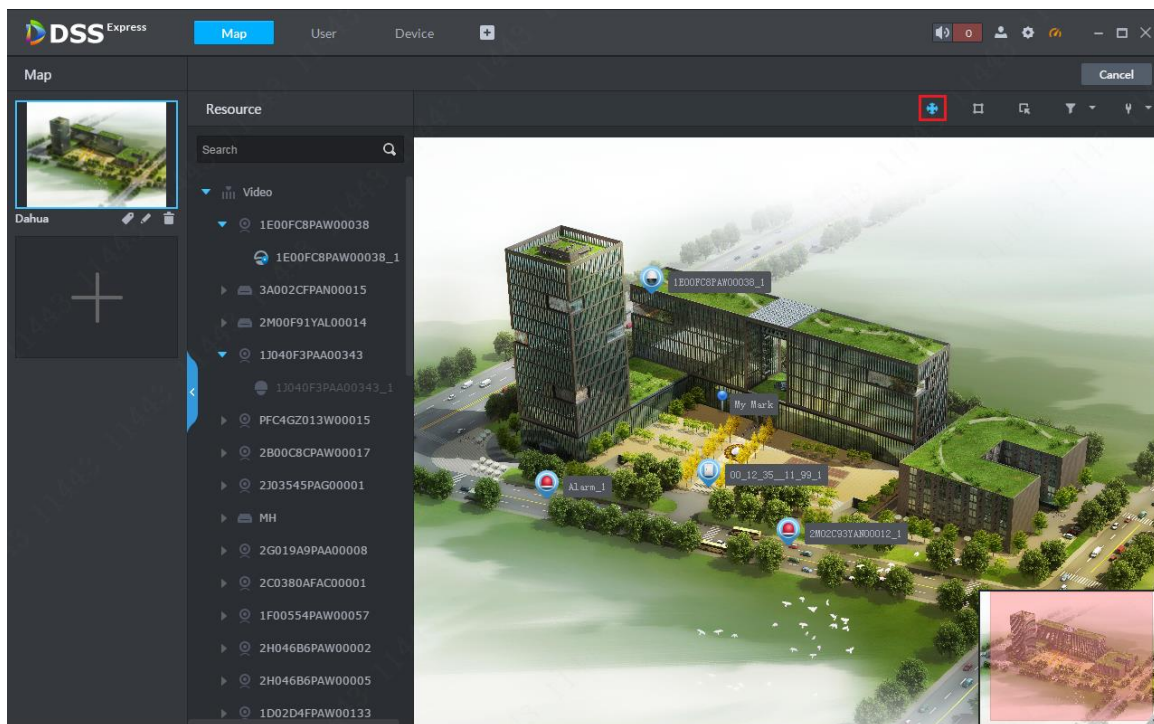







Figure 10-7

-  device position move enable: enable it then you can move channel on map.
-  sub map add: click to and select position of sub map, click mouse to add.
-  pane button: click it and pane device on map, which forms a temporary preview, playback, delete and etc.
-  device type filter: click it and select device type you want to show on map.

-  mark and reset.

10.2 Add Sub Map

One map can have multiple layers, and in map editing status, click  button to add sub map:

Step 1. In map application mode, select map you want to add as sub map, click Edit to enter map edit mode, see Figure 10-8.

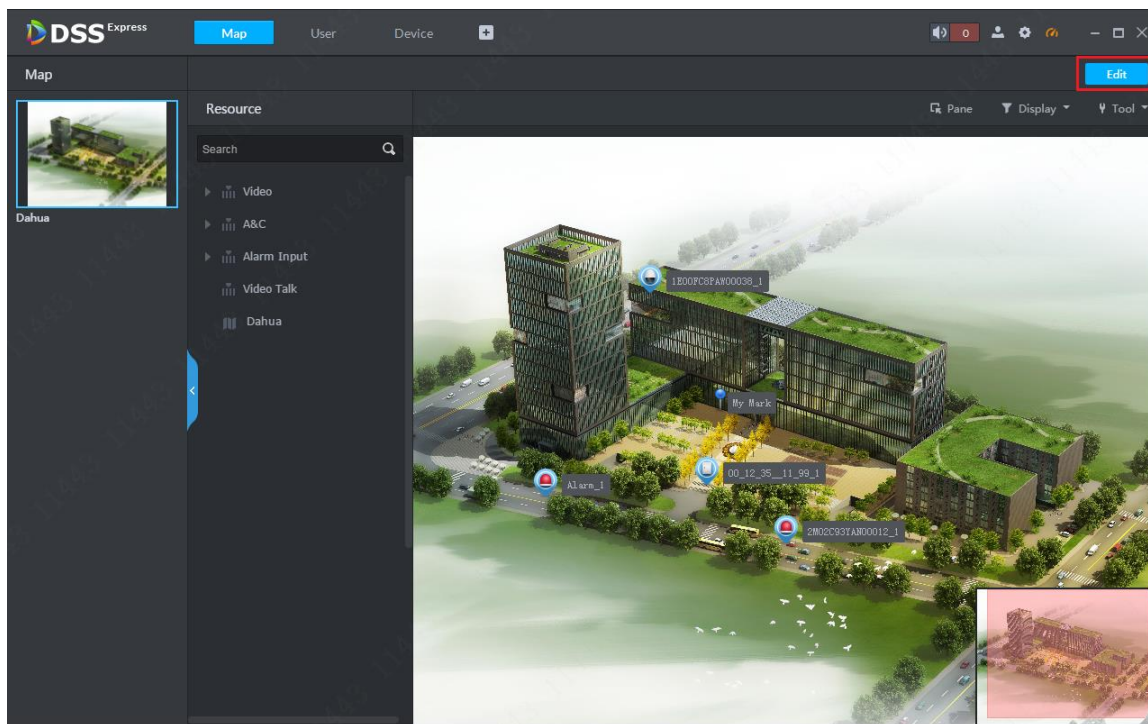


Figure 10-8

Step 2. In edit mode, click sub map add button , see Figure 10-9.

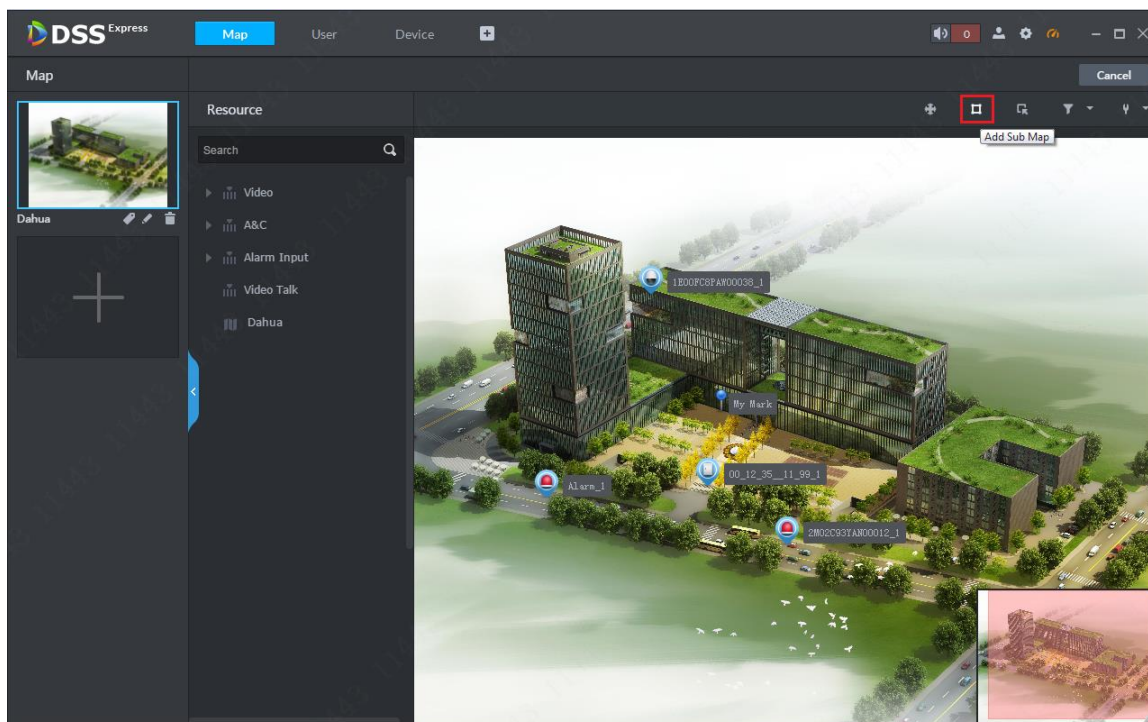


Figure 10-9

Step 3. Click add button, and the mouse will turn into a map icon. On map, select target position and left click mouse to add map, see Figure 10-10.

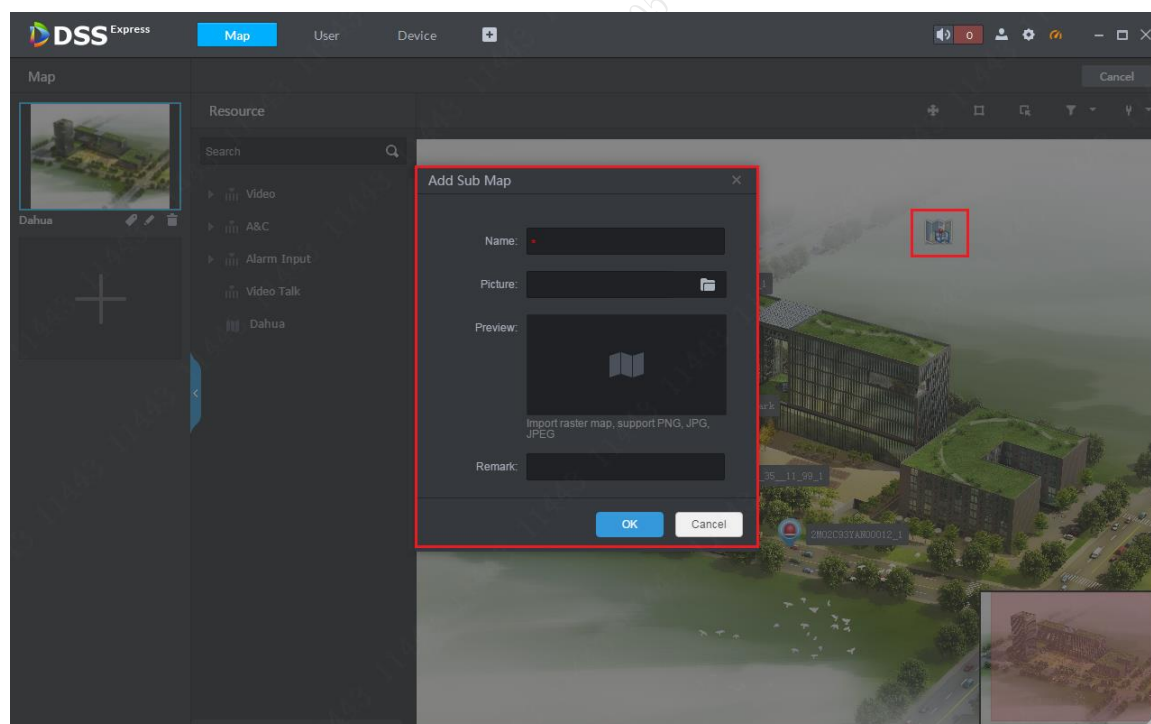


Figure 10-10

Step 4. After sub map is added, double click to enter sub map page. If you want to add lower-level map in the sub map, the steps are same as above.

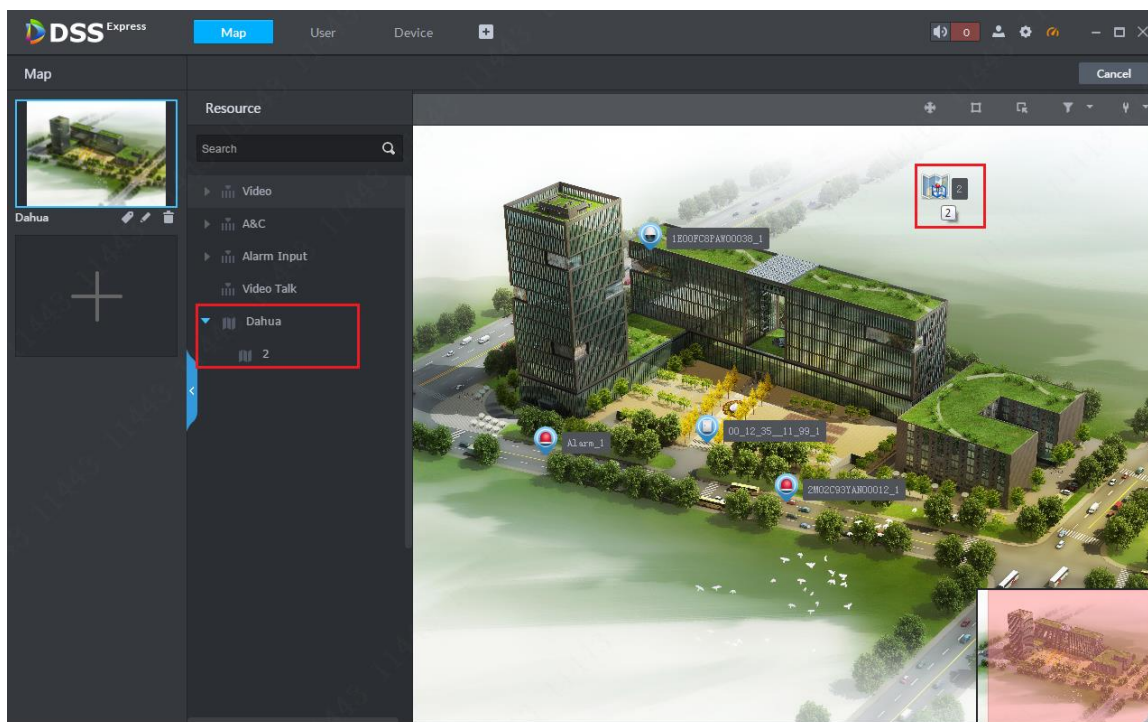


Figure 10-11

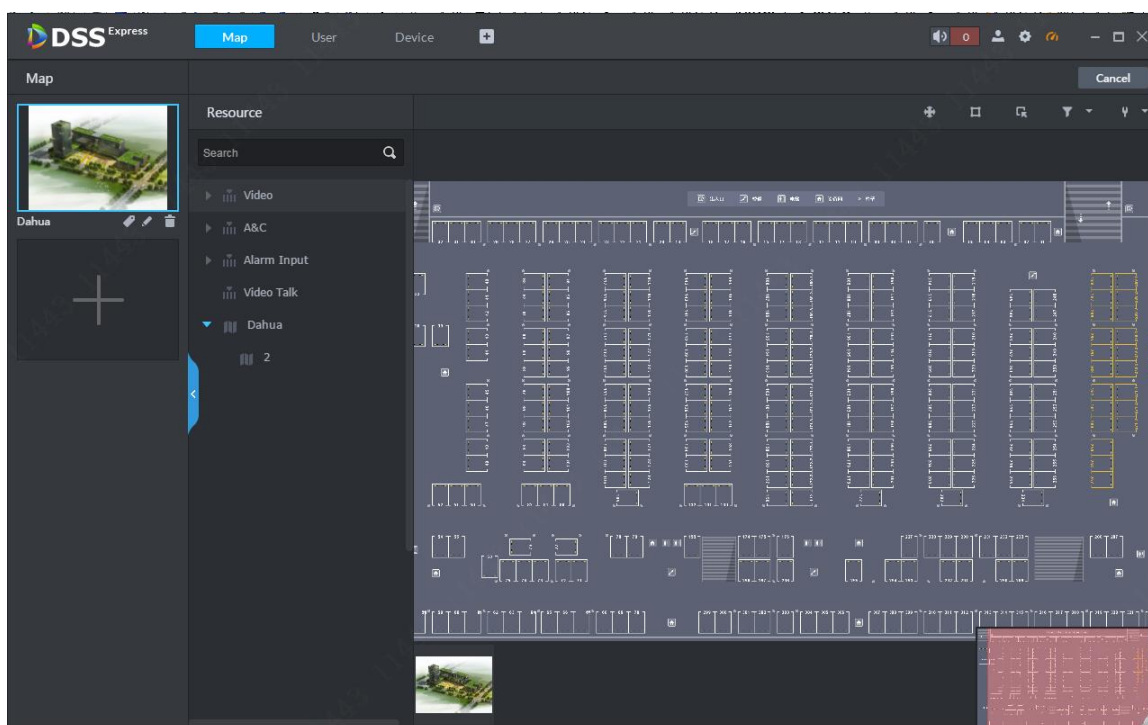


Figure 10-12

10.3 Add More Maps

DSS Express supports multiple maps, to add:

- Step 1. In map application mode, select map you want to add sub map, click Edit to enter edit mode, see Figure 10-13.

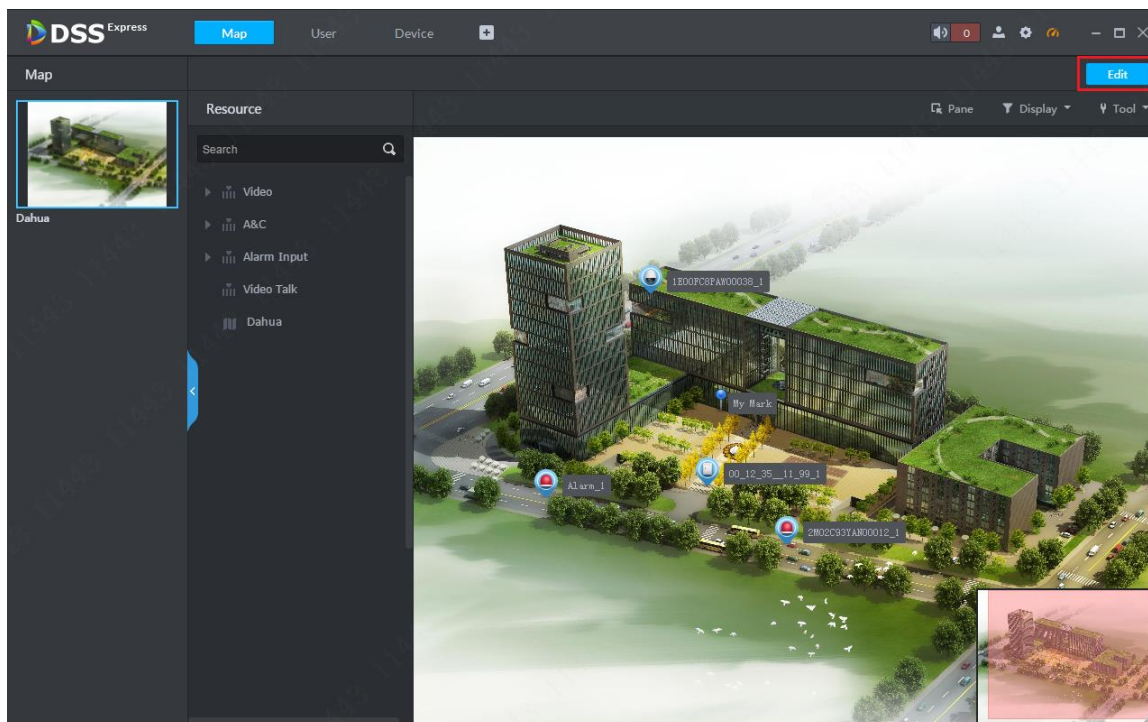


Figure 10-13

Step 2. On the left, click Add button to add map, see Figure 10-14.

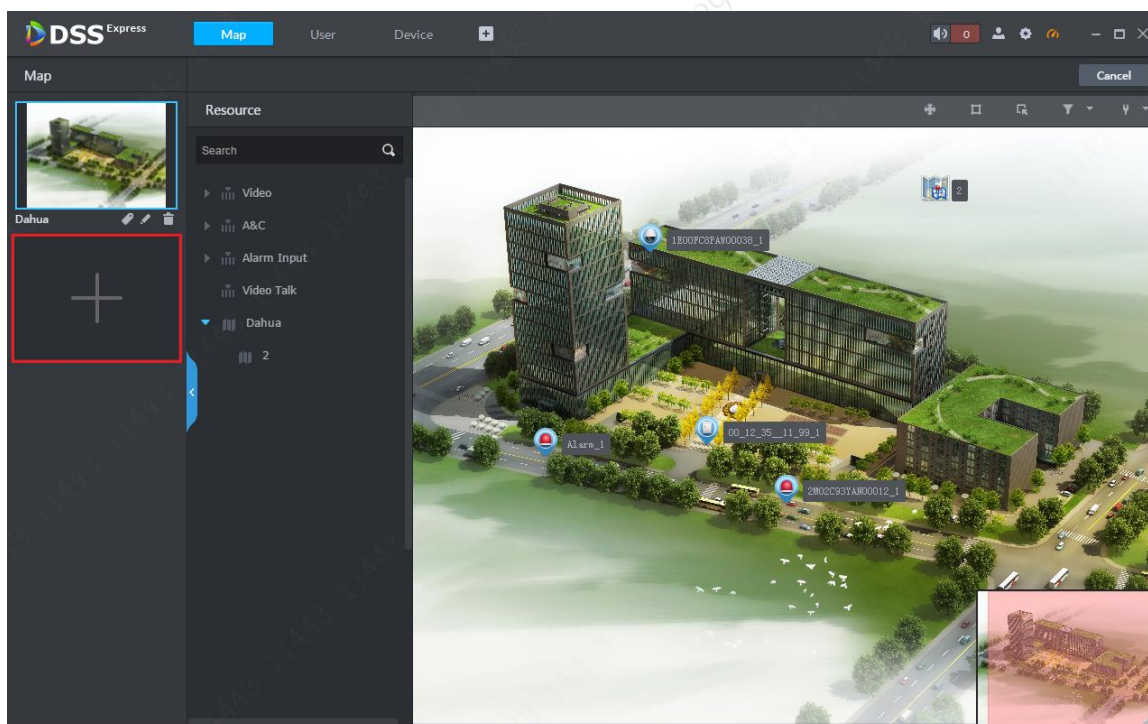


Figure 10-14

Step 3. In this page, set map name as you need, and select map picture, click OK. See Figure 10-15.

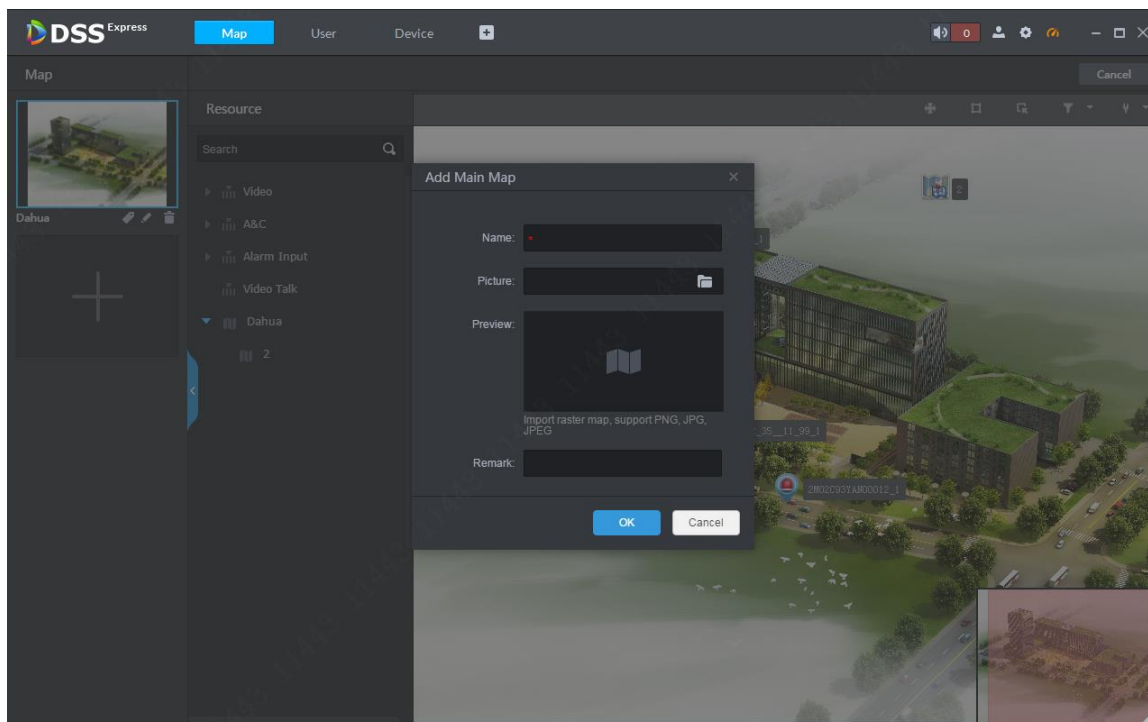


Figure 10-15

Step 4. After you complete adding of multiple maps, see Figure 10-16.

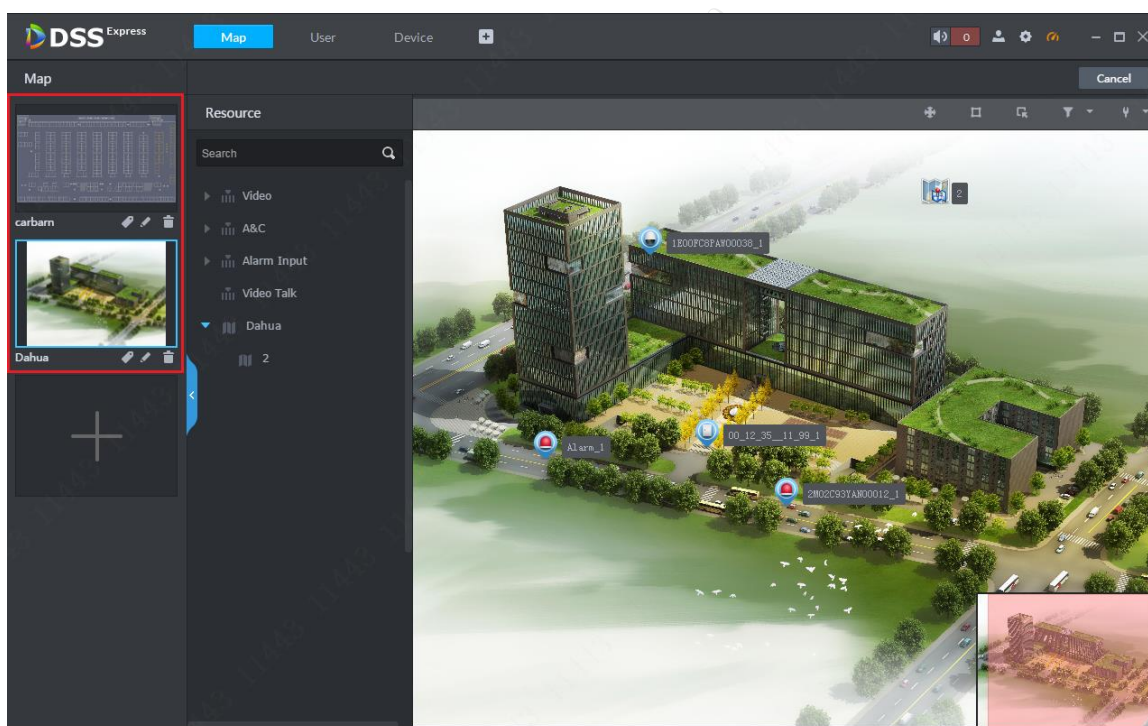


Figure 10-16

10.4 Map Application

10.4.1 Main Map Setup

When you add more than one map, you can set default map as main map, please select this map and

click button in the figure below. After setup is complete, you can see a yellow icon. See Figure 10-17 and Figure 10-18.

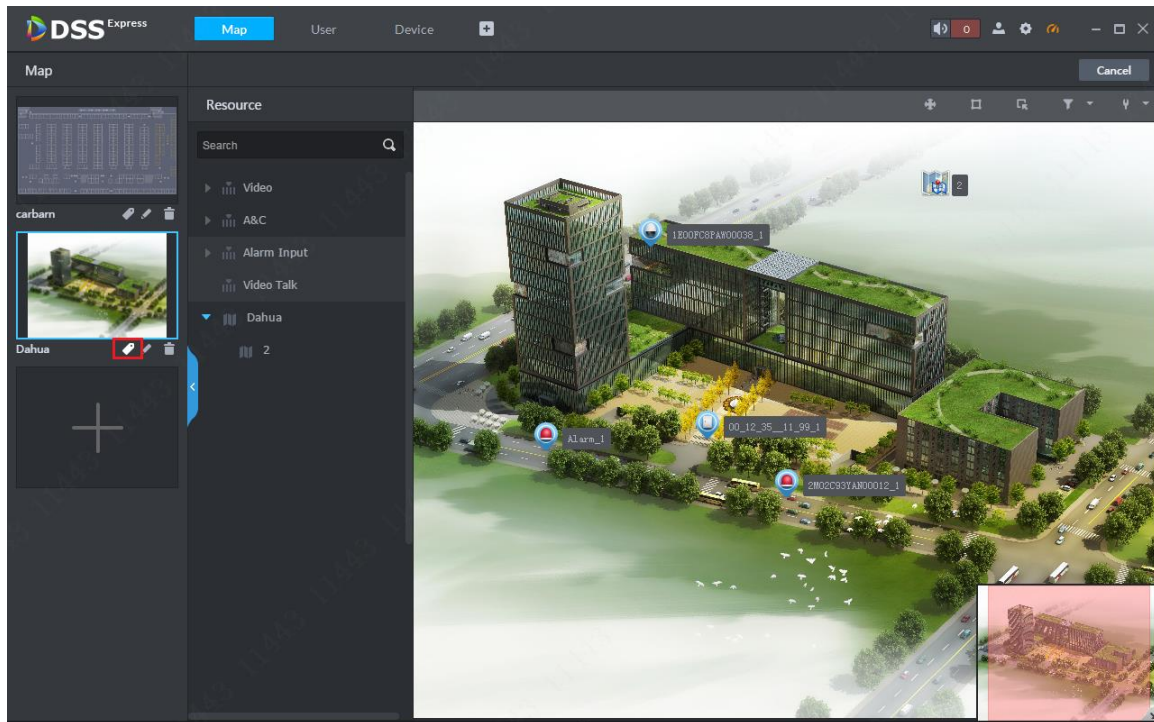


Figure 10-17

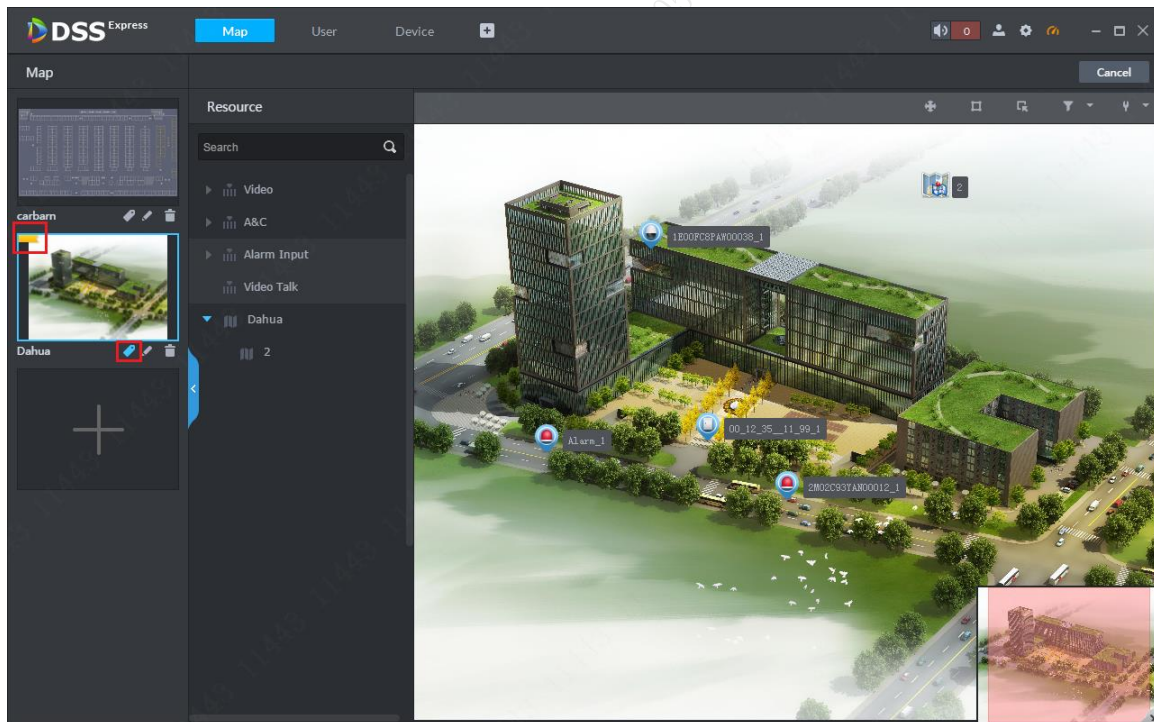


Figure 10-18

10.4.2 Pane Application

In map application, you can pane device to preview, playback.

Step 1. In map application, click pane button and in map pane area, it will generate a

temporary list. In this list, you can select channel to preview and playback.

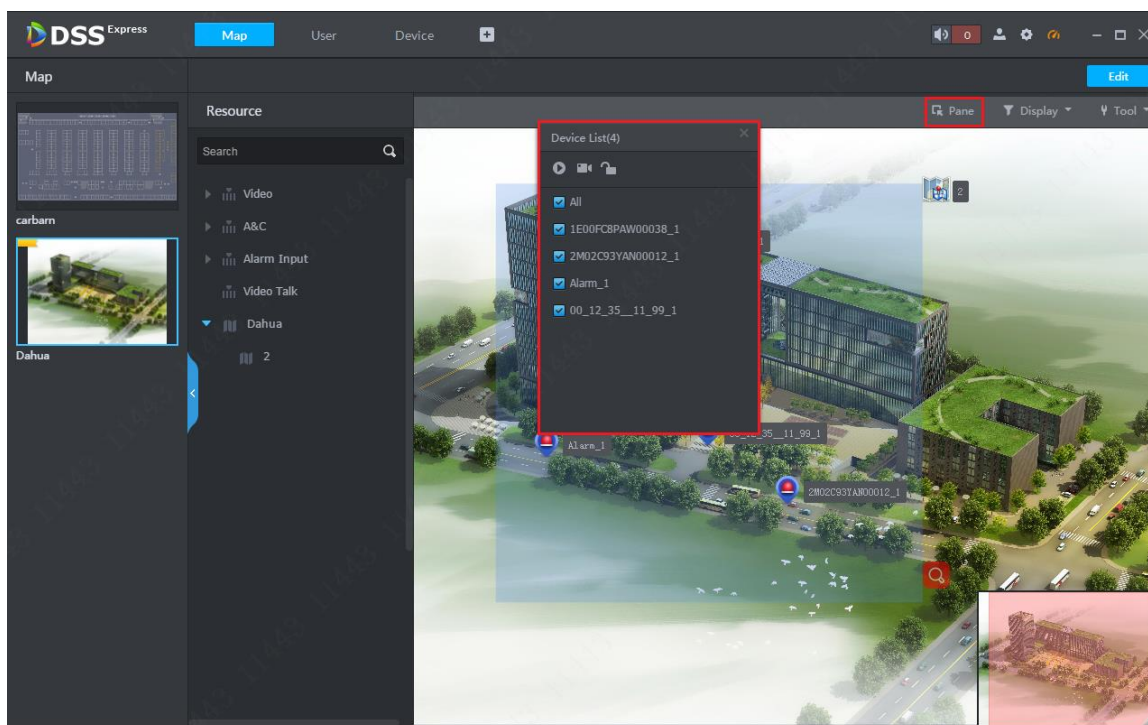




Figure 10-19

Step 2. After you select device, click preview button  on map to preview.

10.4.3 Filter Device Type

On map, you can set display/no display of certain types of device. Click  Display button to show type selection. See Figure 10-20. If you do not want to show video channel, just uncheck it. See Figure 10-21.

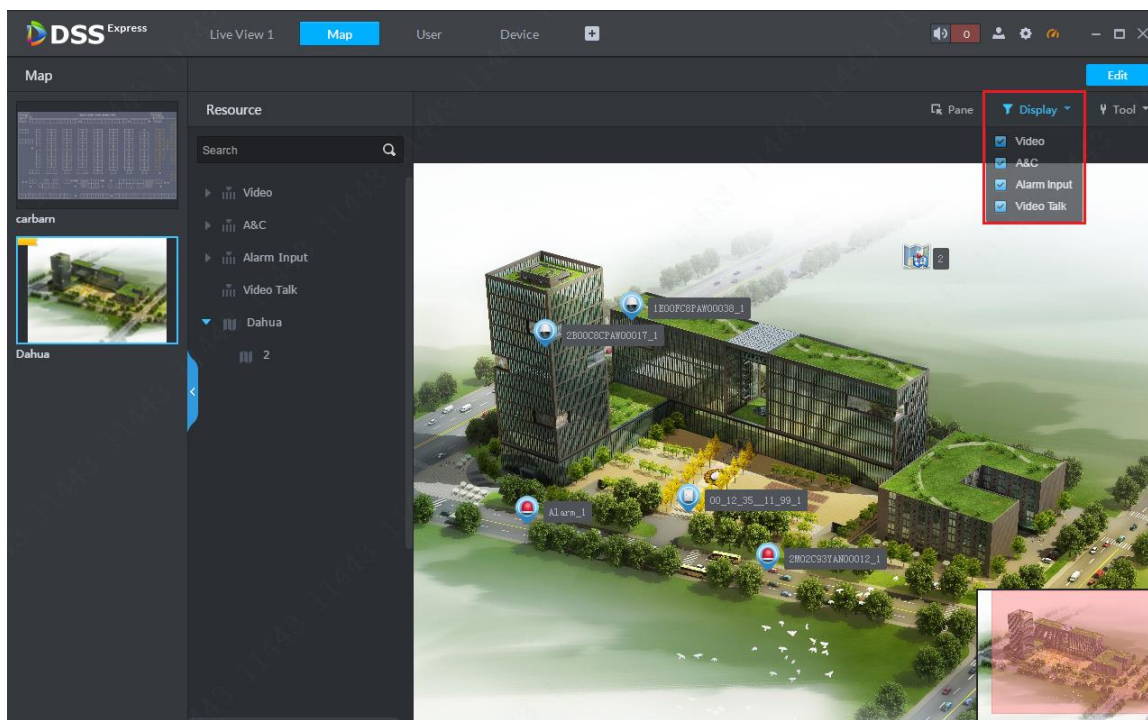


Figure 10-20

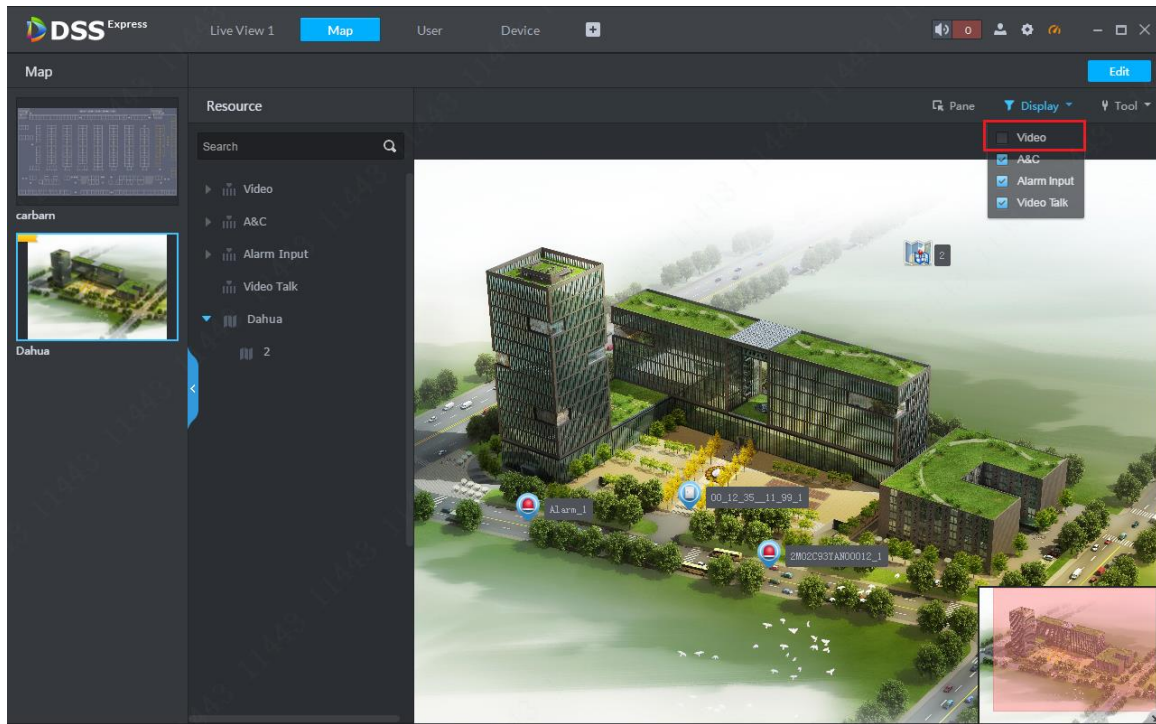


Figure 10-21

10.4.4 Tool

In tool of map, you can set mark on map and restore default size of map. See Figure 10-22. In map application page, click **Tool** button and select content to execute, effect is in Figure 10-23.

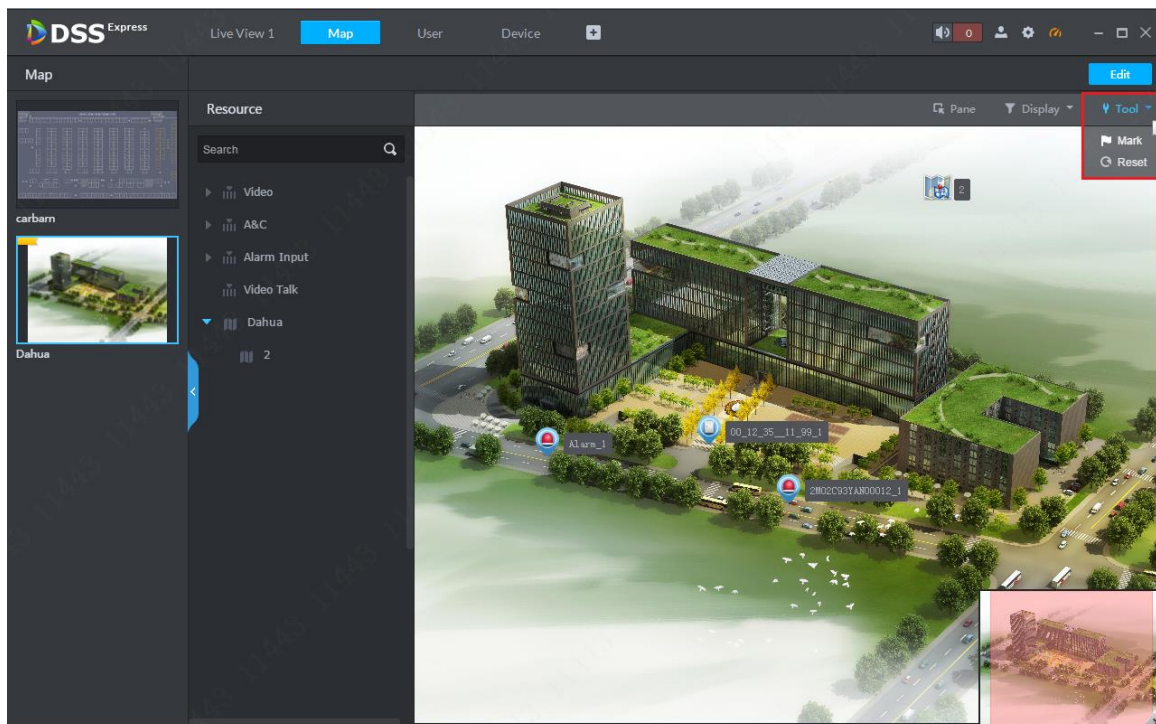


Figure 10-22

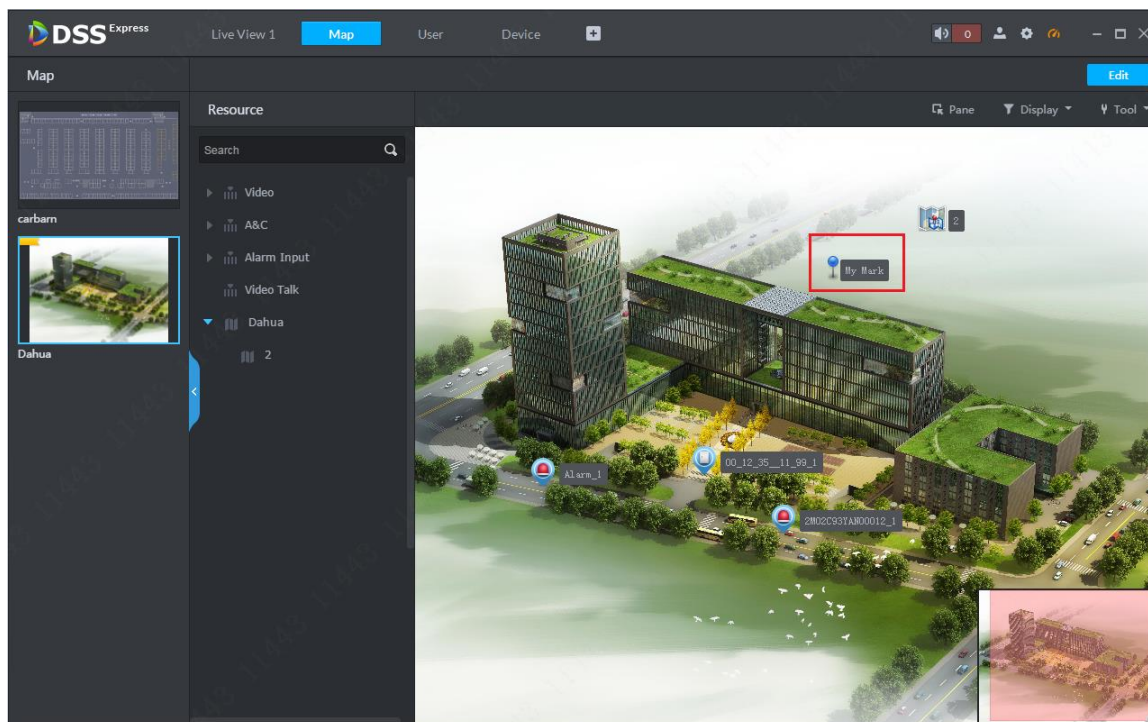


Figure 10-23

11 Event

Event manager includes alarm scheme config and alarm processing. Firstly you must set alarm scheme of actual channel you need in config.

11.1 Alarm Scheme Config

Step 1. In Client homepage, click Config icon to enter config module, see Figure 11-1.

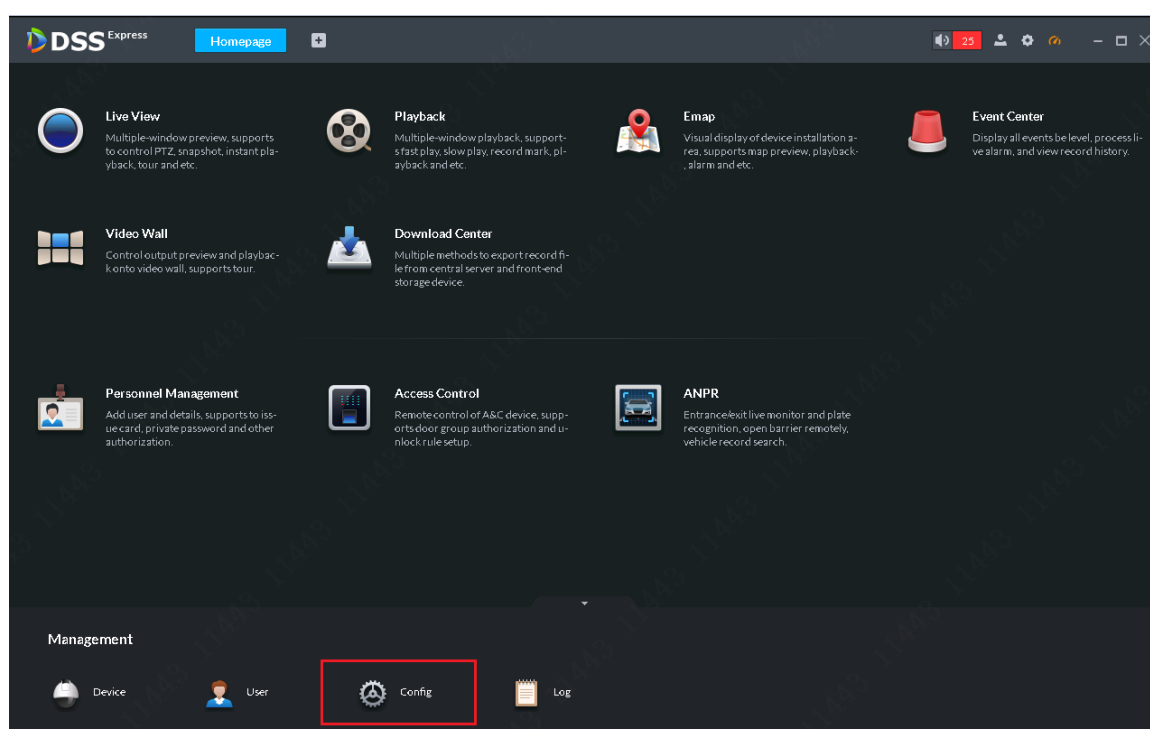


Figure 11-1

Step 2. Config page is shown. After you enter config module, select device/channel to set alarm scheme, and click Event Configuration button to enter event config page.

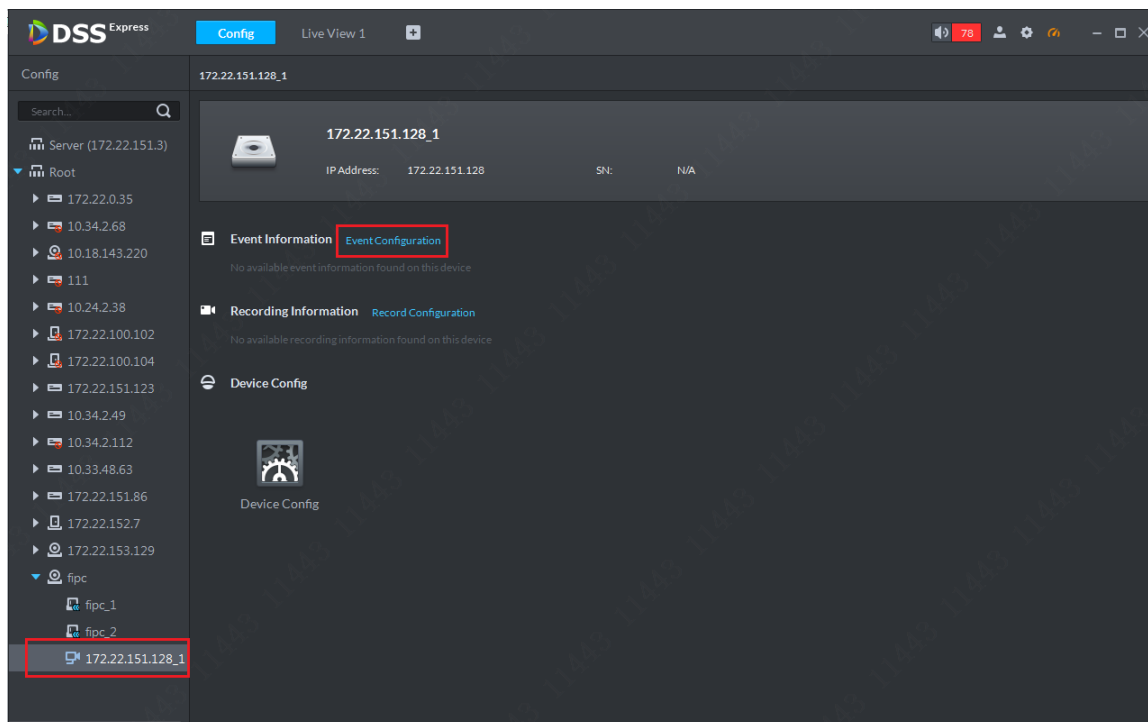


Figure 11-2

Step 3. In shown config page, select alarm type to config, and enable this type of alarm (red box 2 in Figure 11-3), set alarm level and arm time. Set alarm link action according to need. If no need, you can click OK to complete event setup (alarm scheme).

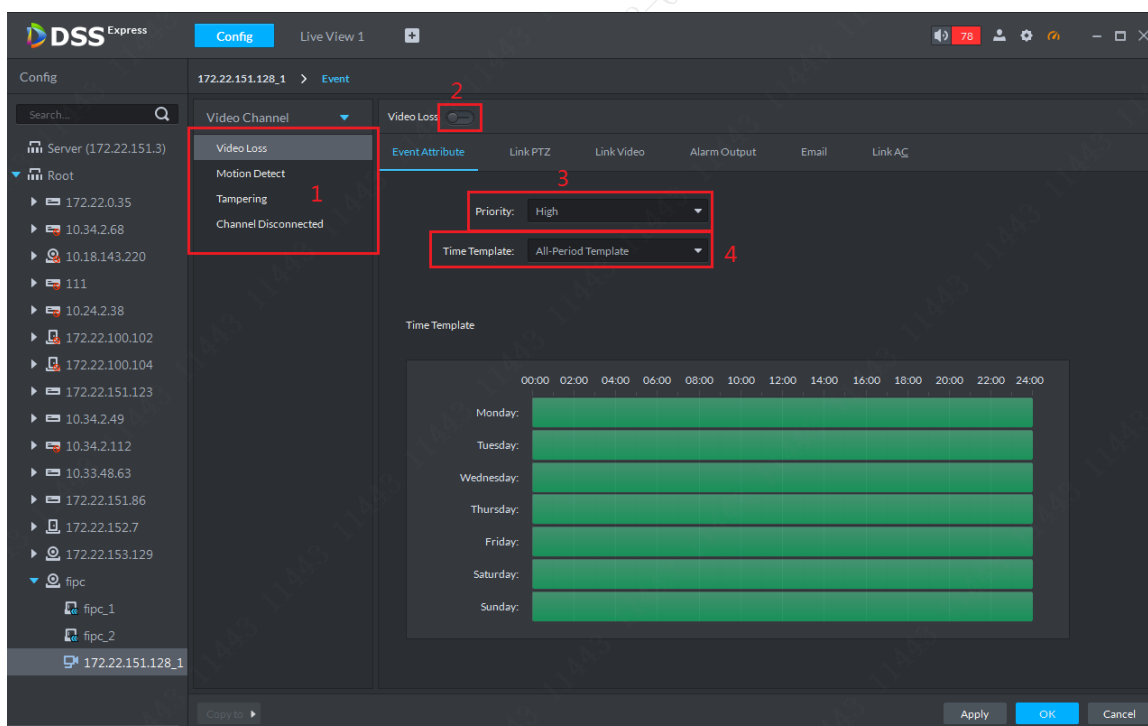


Figure 11-3

Step 4. Link PTZ. When an alarm occurs, you can select certain speed dome channel to turn to its position for monitoring, as setting this speed dome to a certain preset, see Figure 11-4.

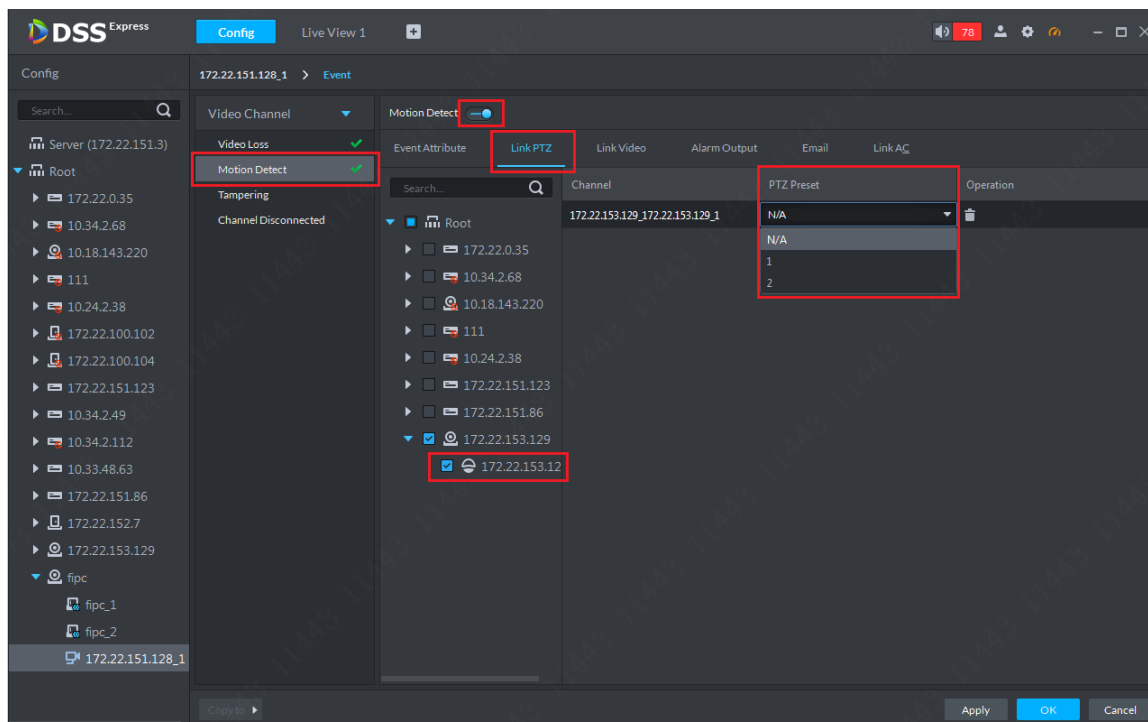


Figure 11-4

Step 5. Link video setup. In event setup page, click Link Video tab to enter link video setup, including link video setup when an alarm occurs and snapshot, pop up video on Client and etc.

Record storage path can select: on device, on center disk, not save.

Stream can select: main stream, sub stream1, sub stream2.

For other info, please see page prompt.

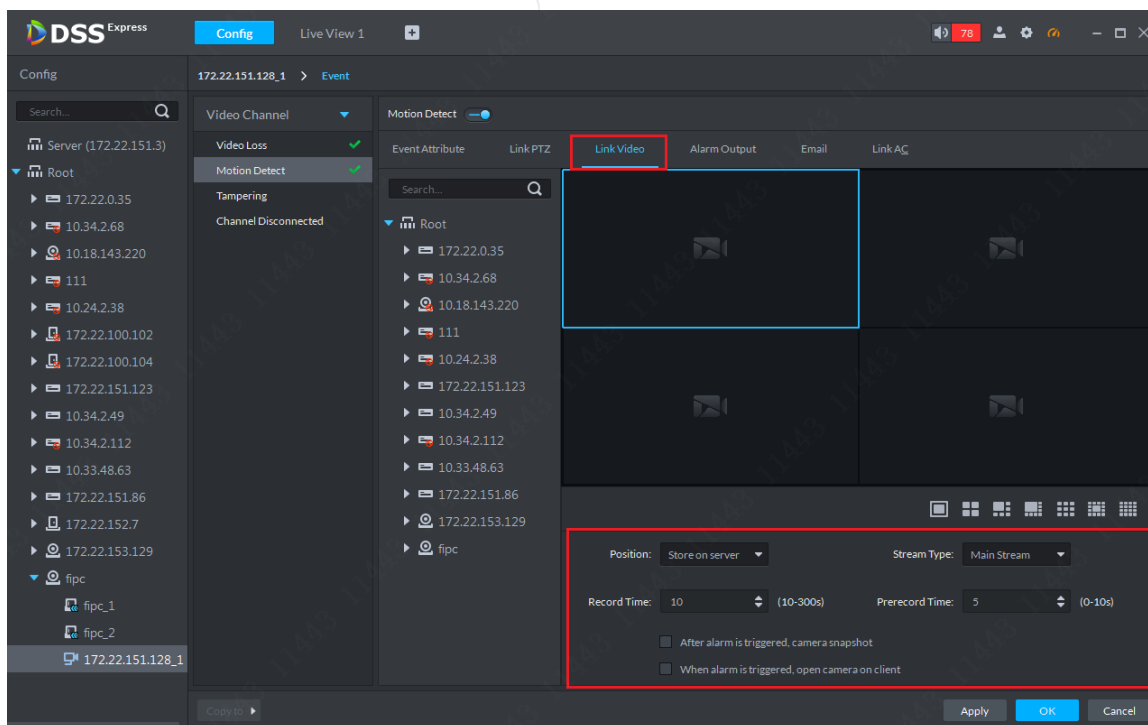


Figure 11-5

Step 6. Link alarm output. If there is external alarm output device, you can click Alarm Output tab and select corresponding output channel, and set alarm length, see Figure 11-6.

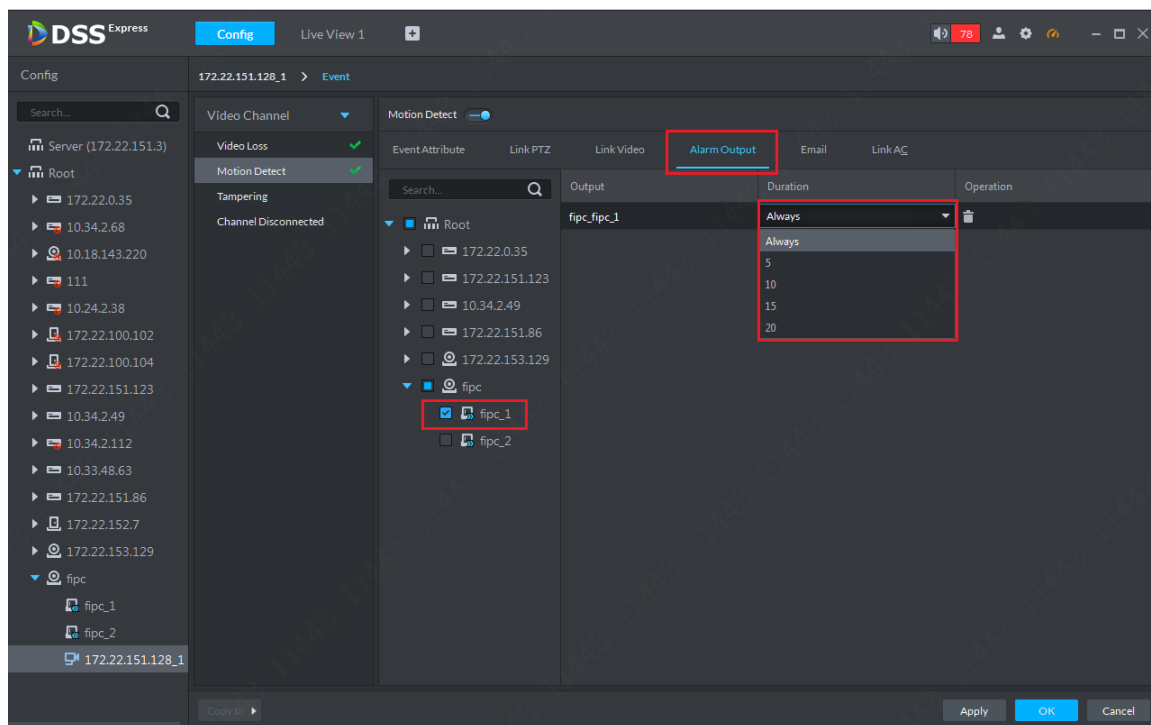


Figure 11-6

Step 7. Link email setup. When an alarm occurs, you can send email to inform related users. In event setup page, click Email tab to enter email setup page. Click Address button to select receiver. See Figure 11-7. You can customize email title, and content or select provided content. See Figure 11-8.

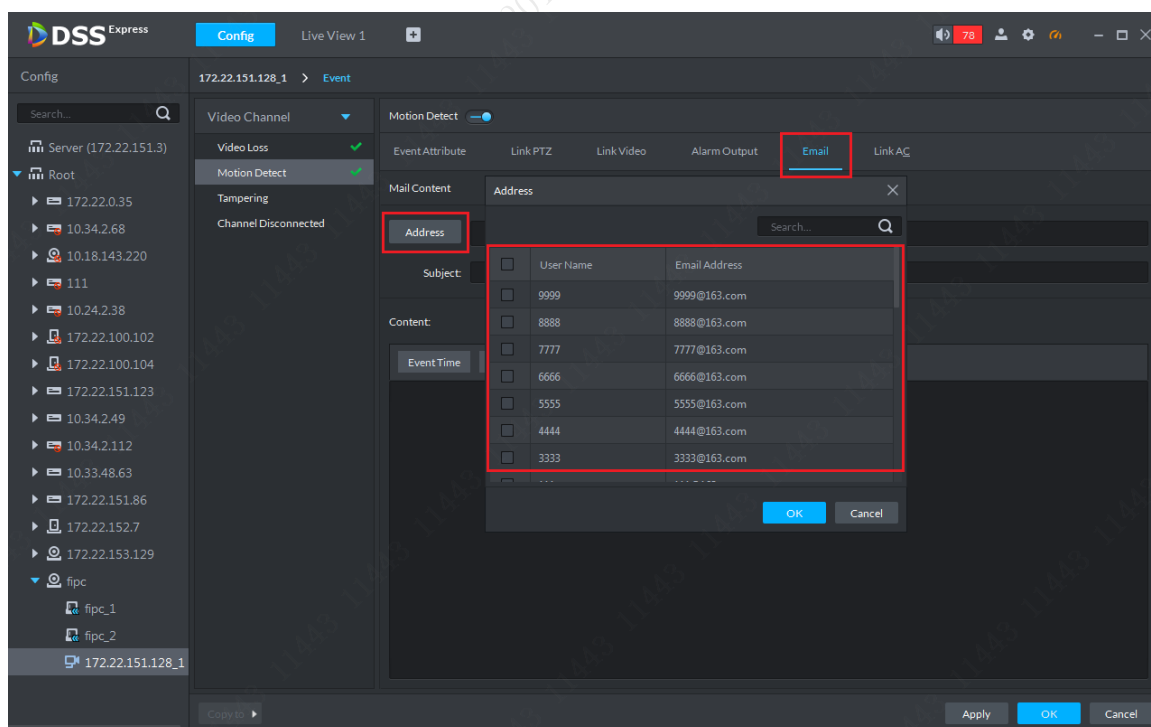


Figure 11-7

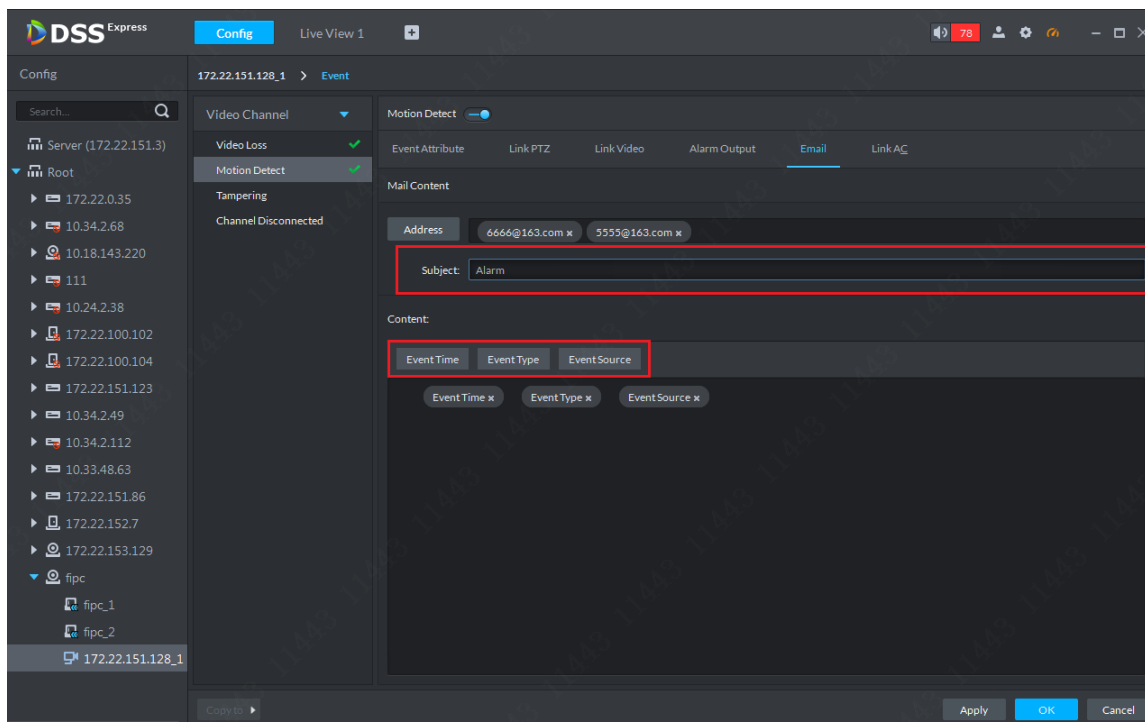


Figure 11-8

Step 8. Alarm link access control. When an alarm occurs, you can set open or close of multiple access channel. Each channel can be set independently. See Figure 11-9. After setup, click OK button to complete.

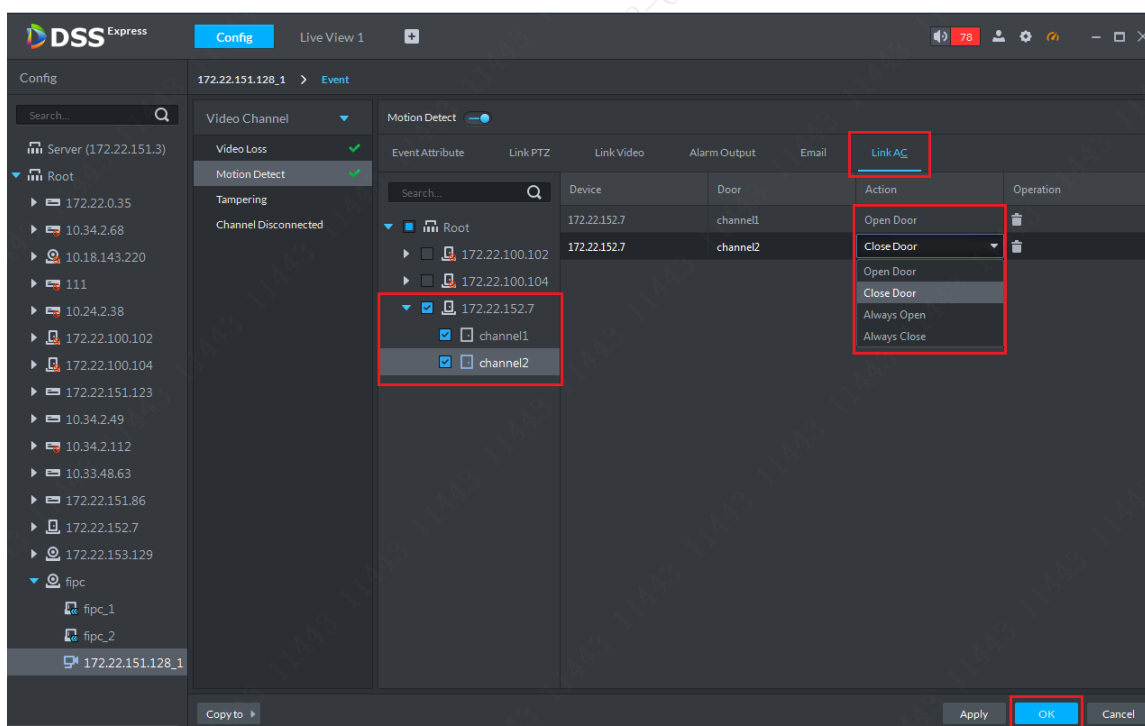


Figure 11-9

Step 9. Event (alarm scheme)config is complete and see Figure 11-10. Be careful with alarm type since each type must be separately set corresponding link, no batch setup available.

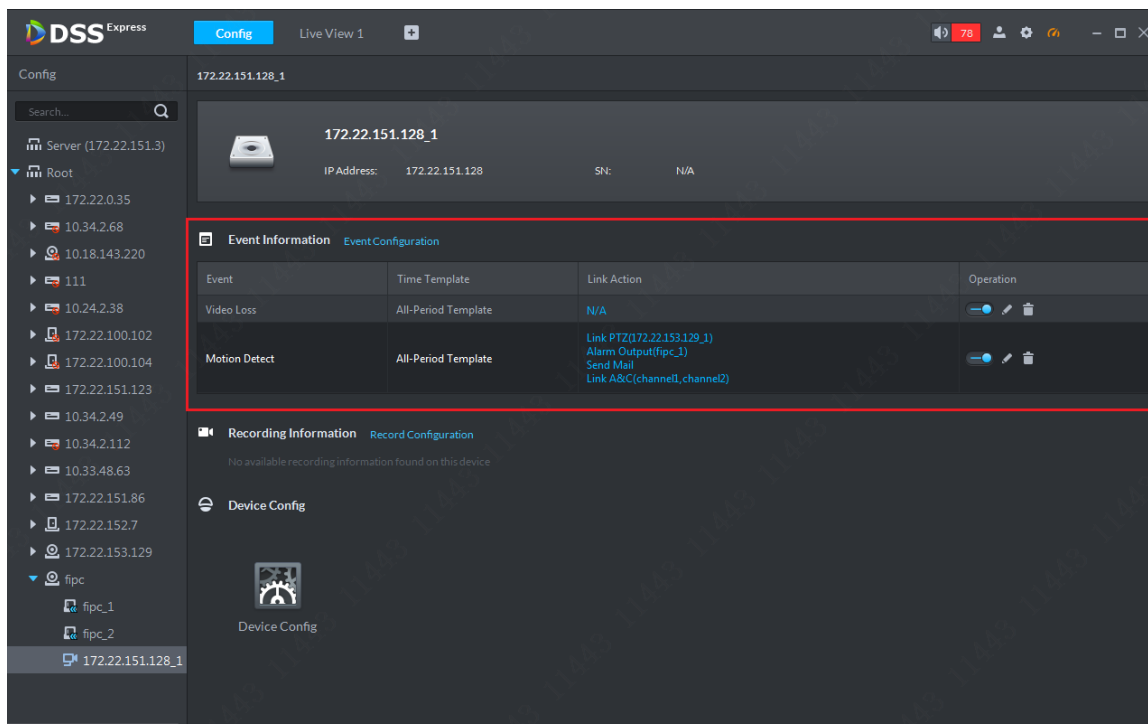


Figure 11-10

11.2 Alarm Manager

When an alarm occurs, you can click to process in Alarm at client navigation bar, as well as going to Event manager module.

11.2.1 Alarm Prompt

When a new alarm occurs, at navigation bar in client, you can view obvious alarm prompt. Click alarm quantity prompt to enter event manager page. See Figure 11-11.

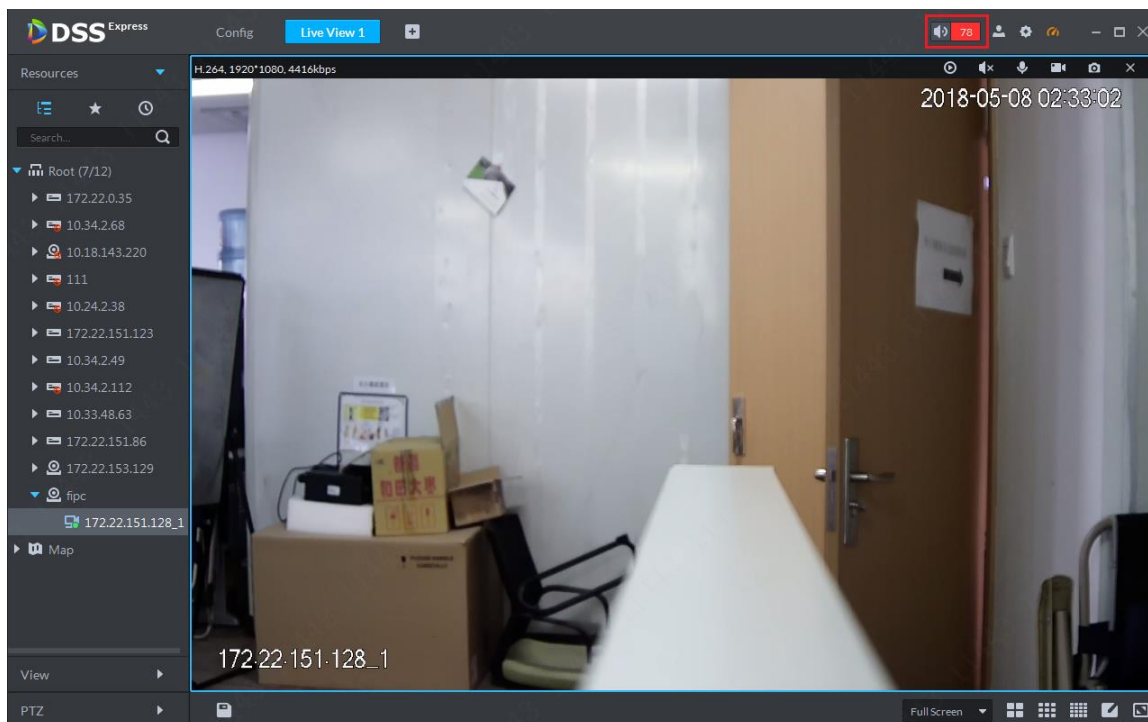


Figure 11-11

11.2.2 Real-time Alarm Processing

In event manager module you can process alarm: select alarm processing method (process, ignore, transfer); view alarm linked view, snapshot and record. One-click to clear alarm info and etc.

Step 1. In Express Client homepage, click Event Center to enter event module, see Figure 11-12.

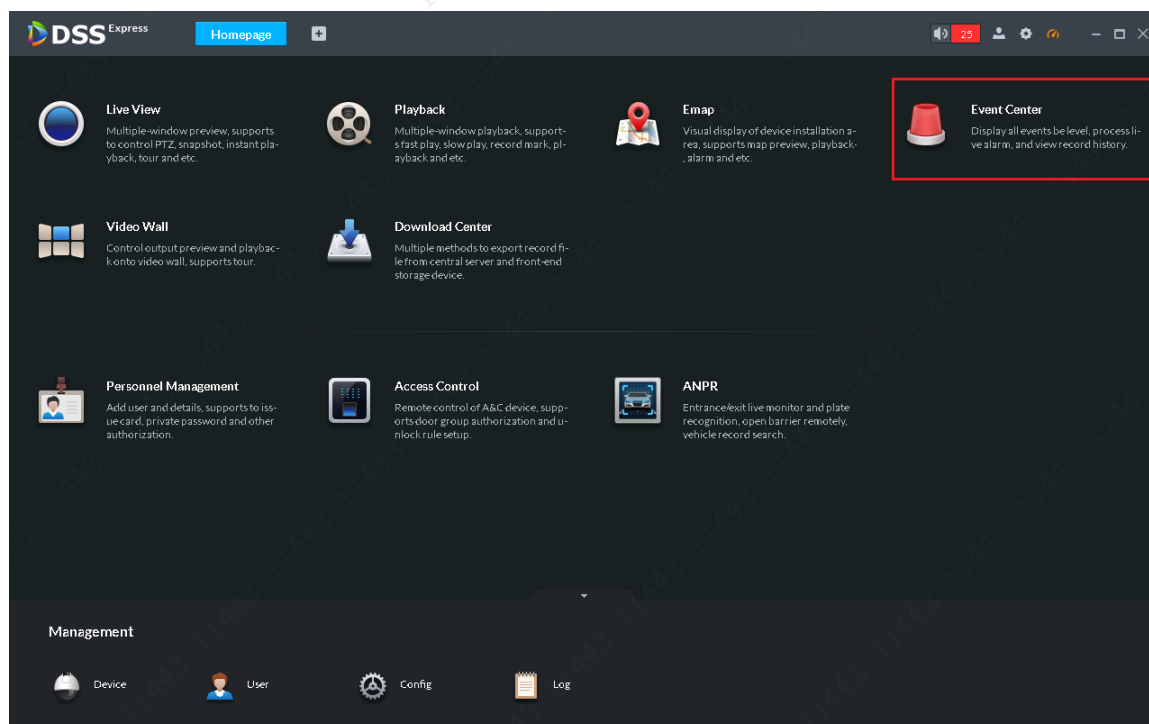


Figure 11-12

Step 2. Real-time alarm is shown in Figure 11-13. Double click to view alarm details. Click hand button in operation bar to claim the alarm. After alarm is claimed, the icon in operation bar becomes an “eye”. If one alarm is claimed by user A, then other user will not see it in alarm record, but it is visible in alarm history. However, other users cannot process it in alarm history.

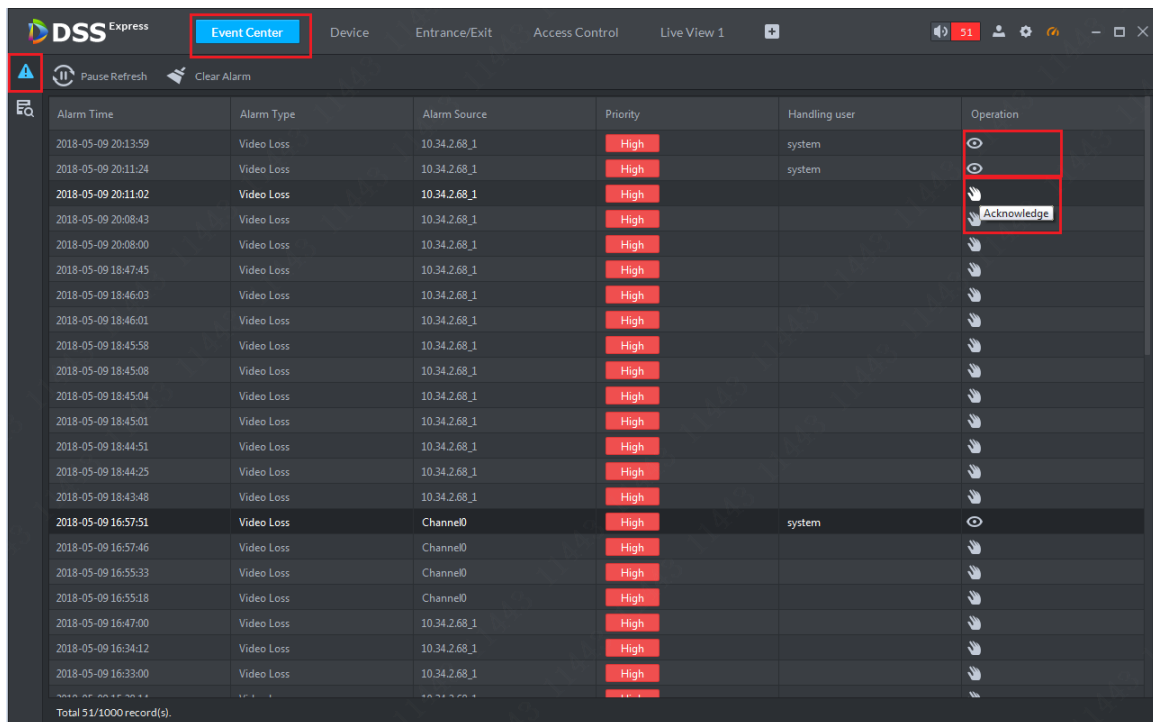


Figure 11-13

Step 3. Double click to view alarm detail. Default display of alarm detail include alarm time, alarm type, alarm source (channel/device) and alarm level. See Figure 11-14. A user can select alarm processing accordingly or a user can select process method after viewing video, snapshot and record. The following example selects after viewing all info.

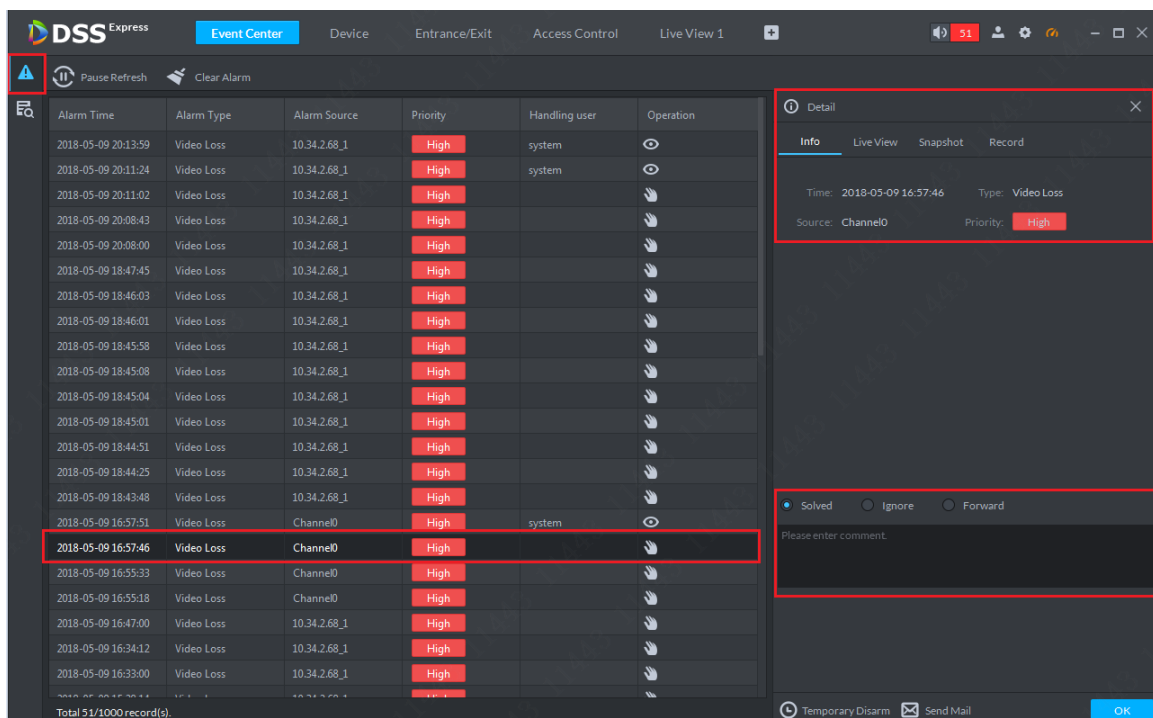


Figure 11-14

Step 4. In alarm detail page, click Live View tab to view alarm corresponding channel video info, see Figure 11-15.

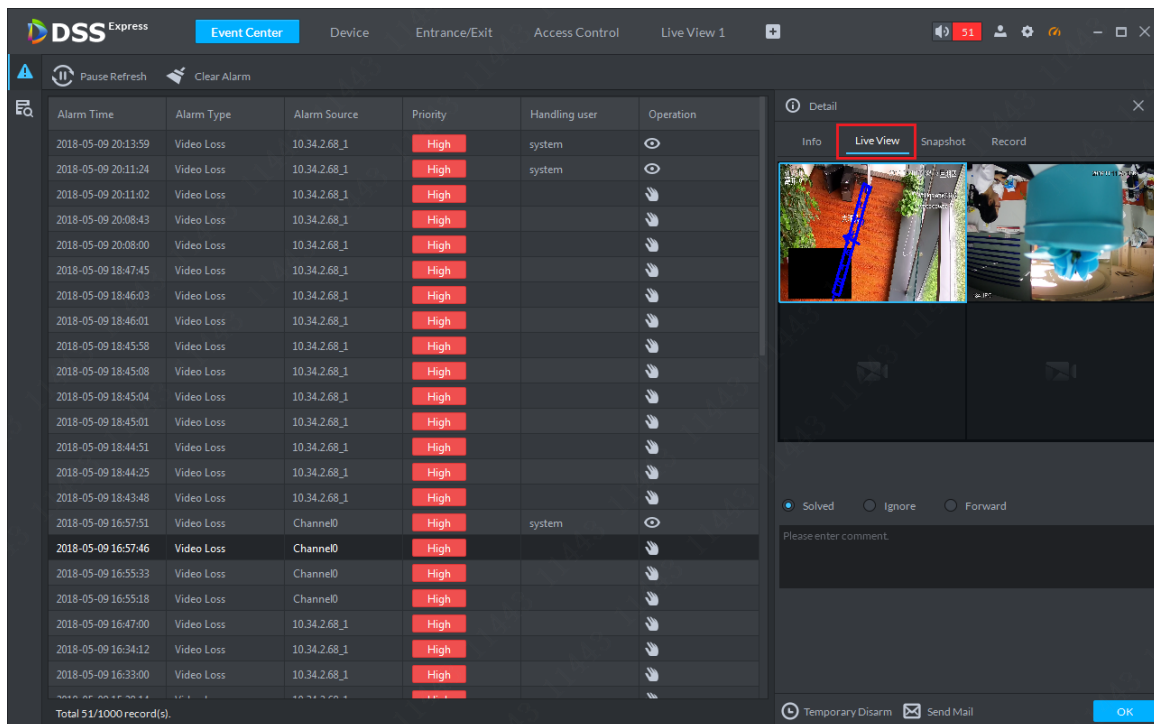


Figure 11-15

Step 5. In alarm detail page, click Snapshot tab to view alarm corresponding channel's snapshot info, see Figure 11-16.

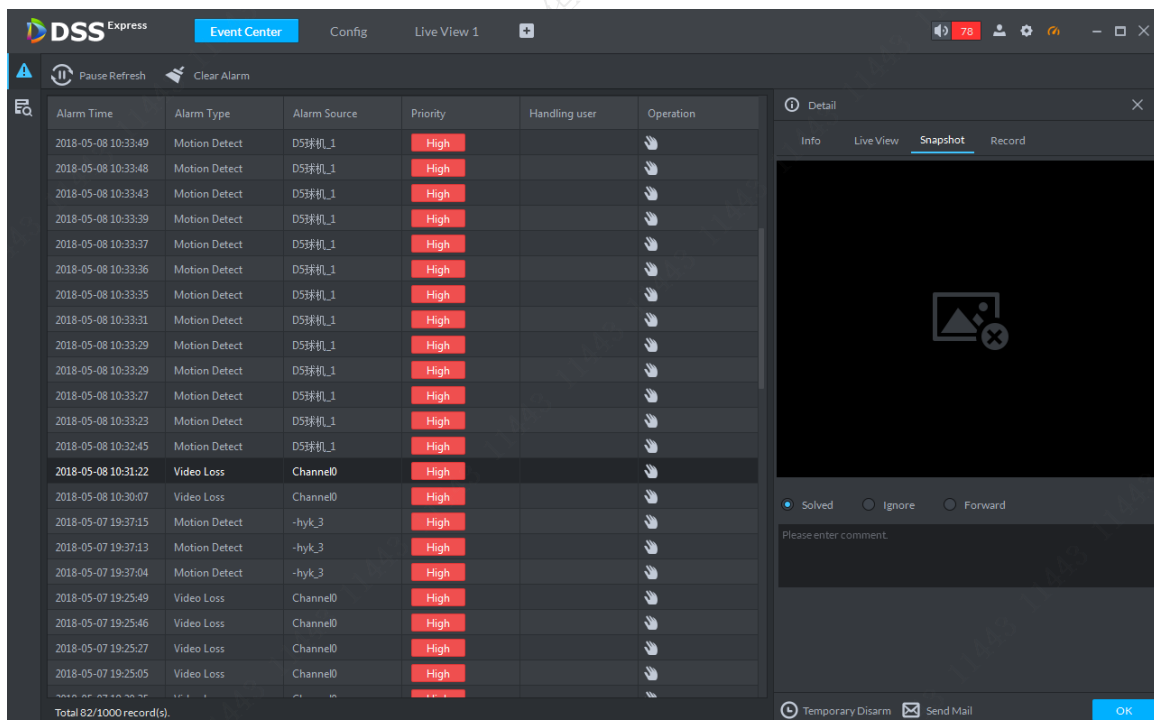


Figure 11-16

Step 6. In alarm detail page, click Record tab to view alarm corresponding channel's record, see Figure 11-17.

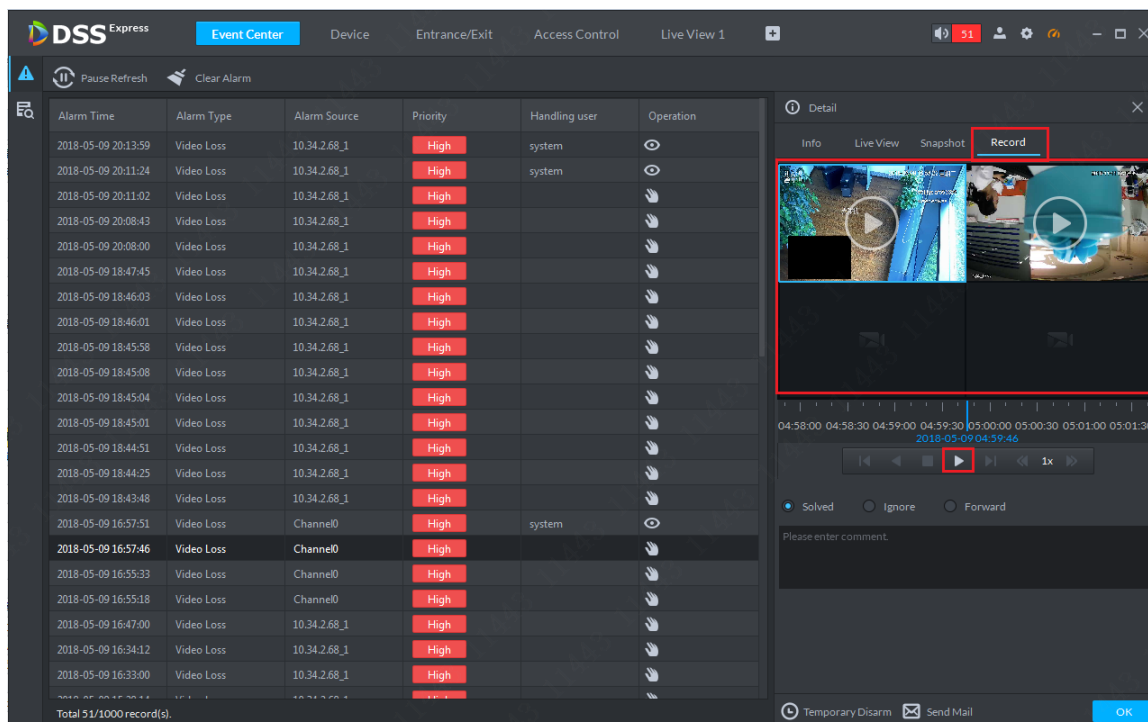


Figure 11-17

Step 7. According to actual condition, you can select processing method and you can enter note.

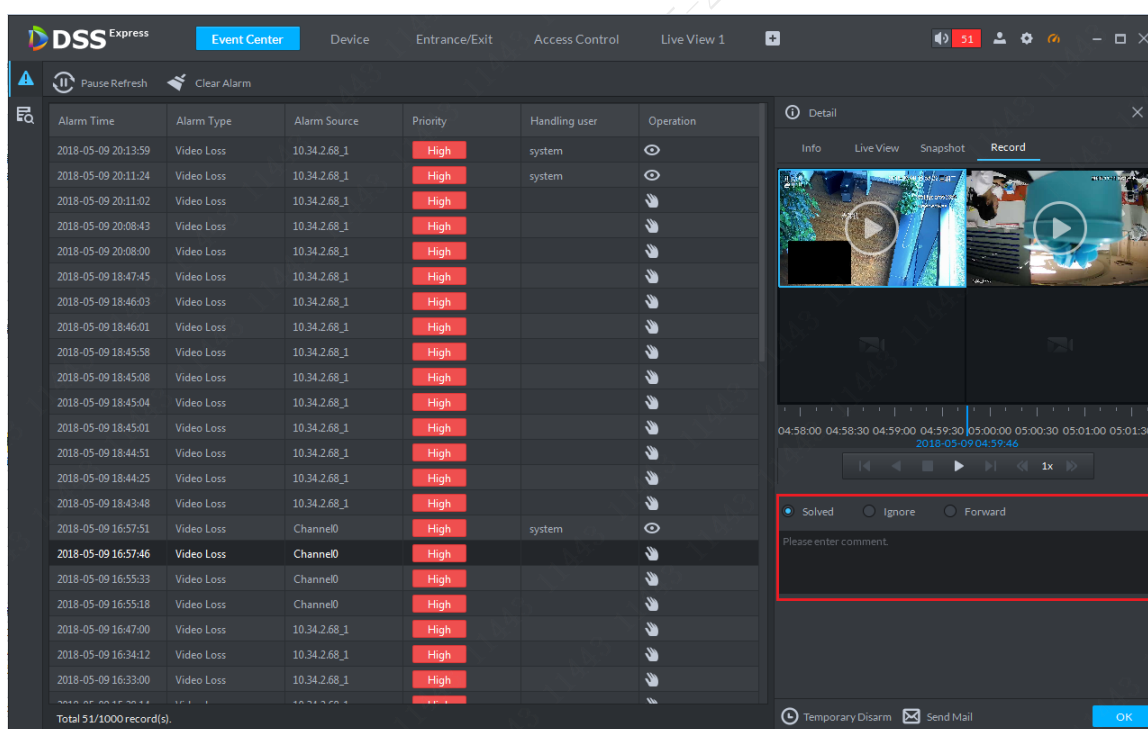


Figure 11-18

Step 8. Temporary disarm. When you process alarm, you can click Temporary Disarm button to set minutes of temporary disarm of this channel and this type of alarm. See Figure 11-19.

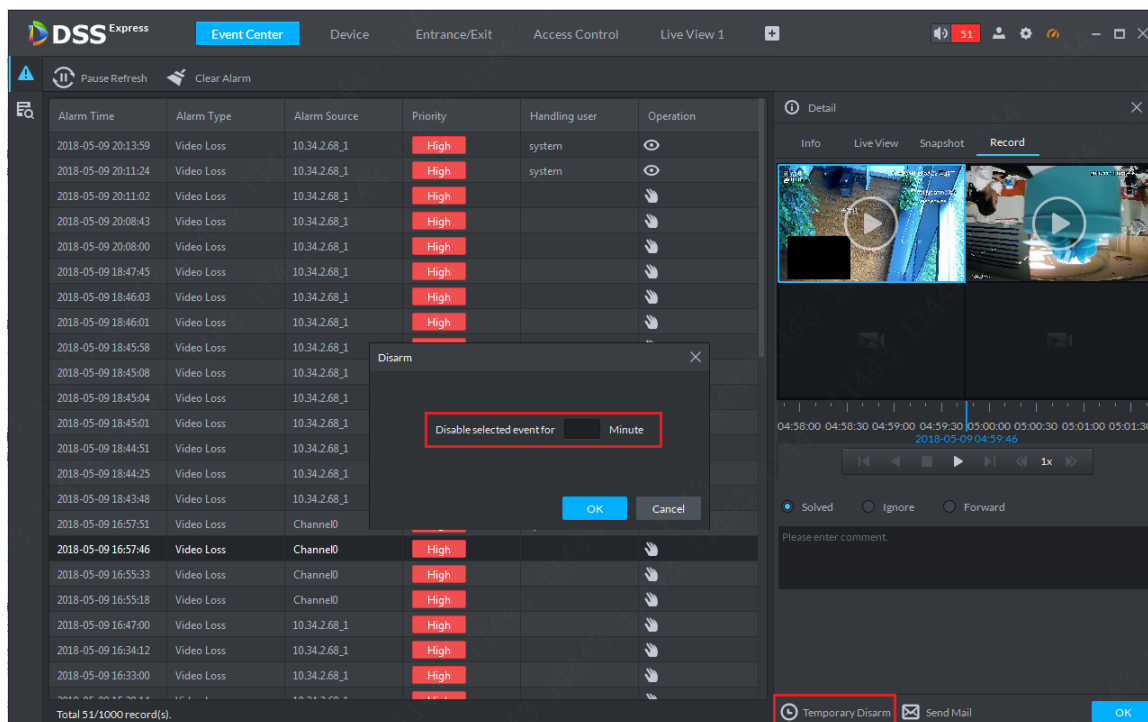


Figure 11-19

Step 9. Manually send email. When you process alarm, you can click Send Mail button to manually send email to related person. You also can add email address, set title and content of email. After you complete setup, click Send button.

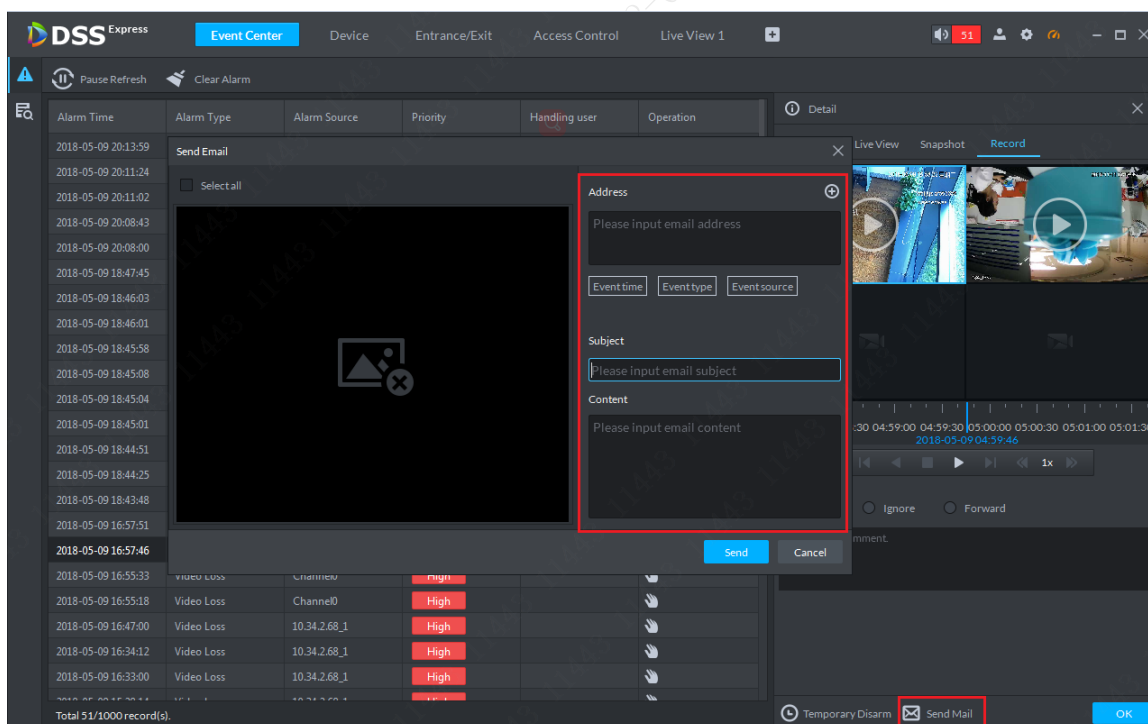



Figure 11-20

11.2.3 History Alarm Search&Process

Step 1. In event center click  tab to enter alarm manager history page. See Figure 11-21. First please select channel to search and click first dropdown list and select alarm type.

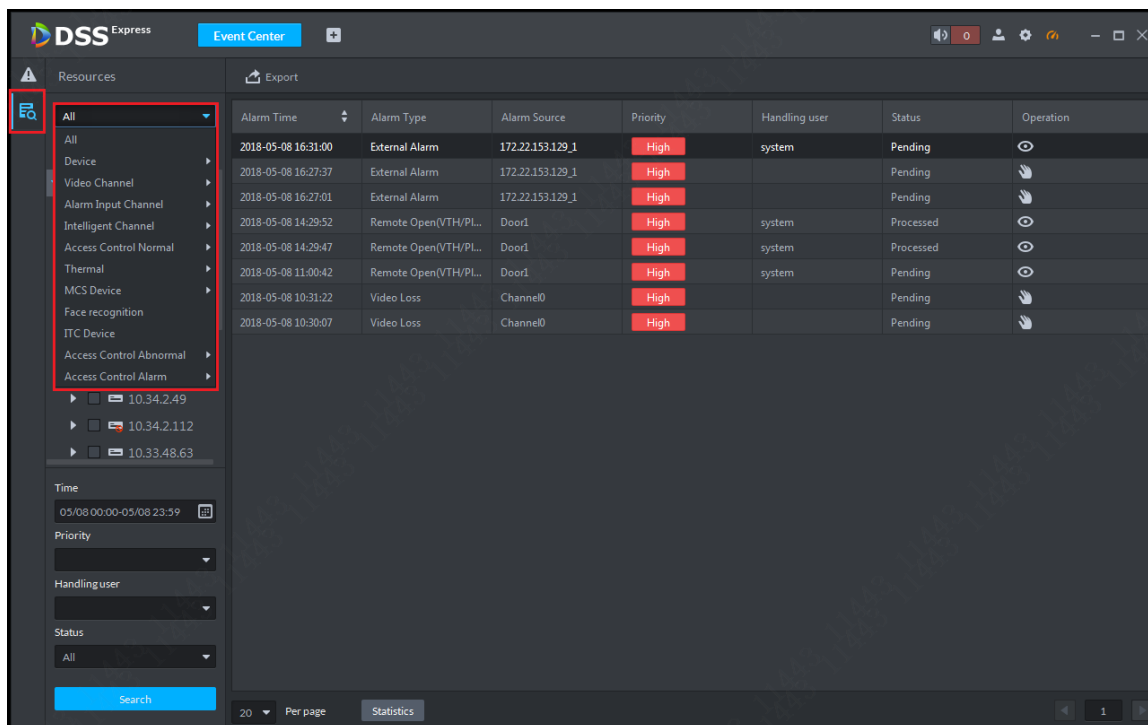


Figure 11-21

Step 2. According to actual condition, select actual range of alarm search, see Figure 11-22.
Search range must be in the same month.

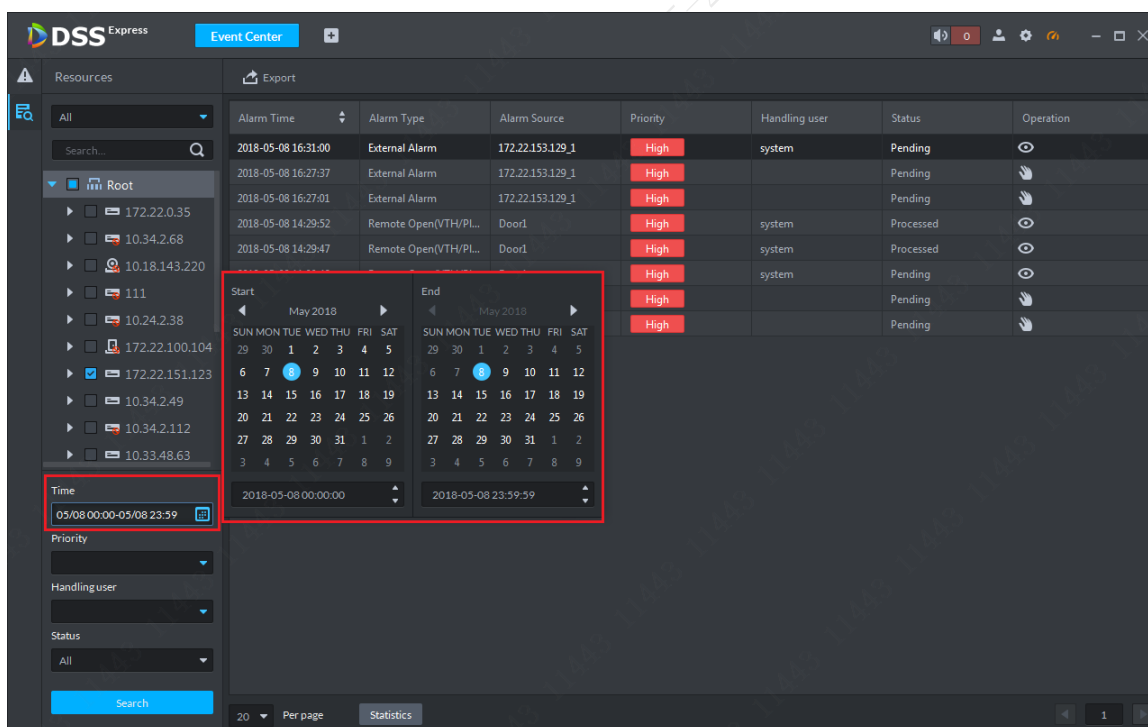


Figure 11-22

Step 3. Select alarm level, see Figure 11-23. If not select, all levels will be selected by default.

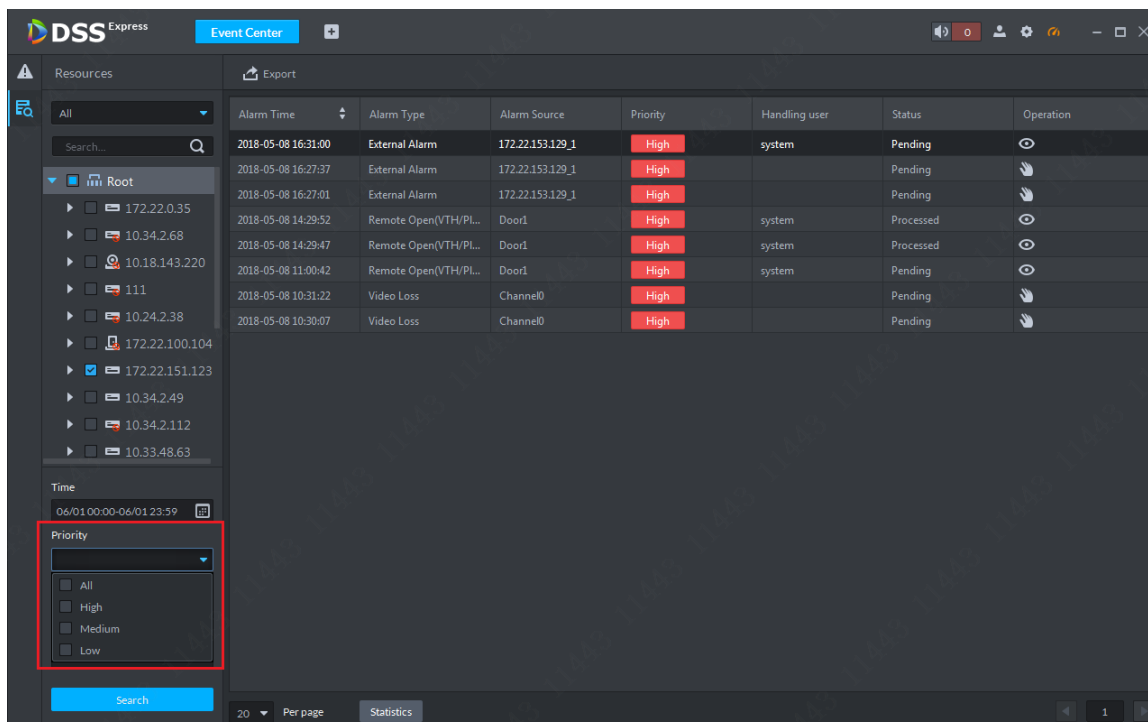


Figure 11-23

Step 4. Select to claim alarm. A user can search a user to claim this alarm according to actual need, see Figure 11-24.

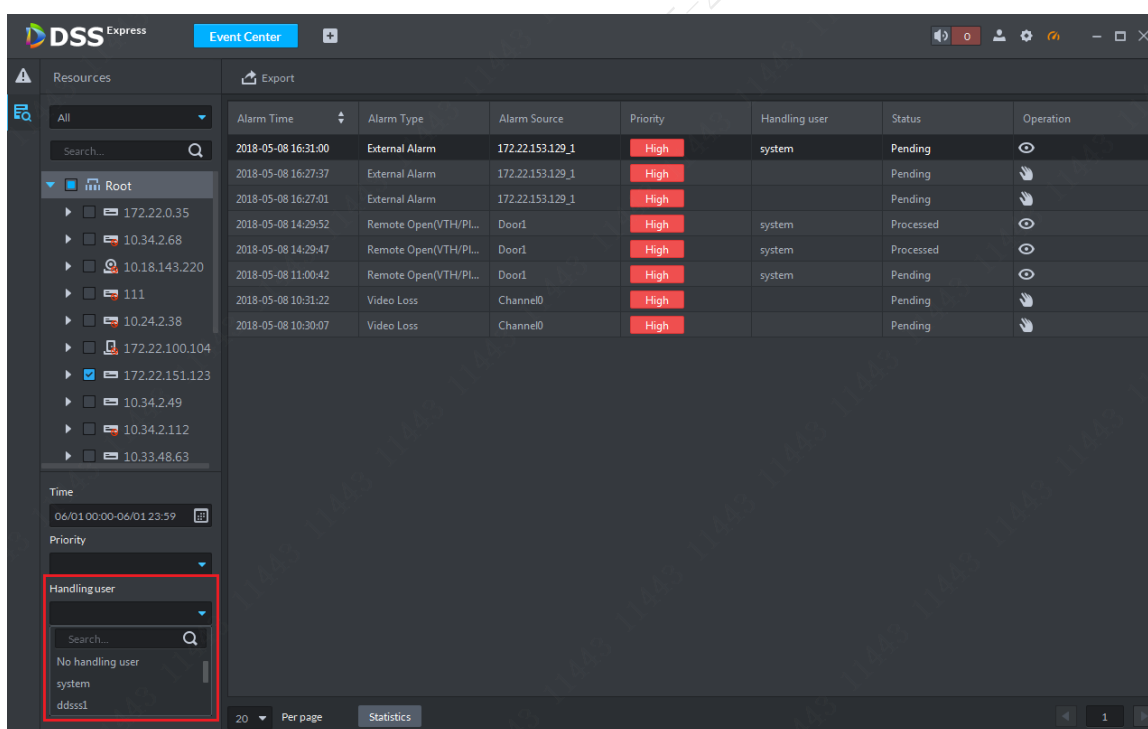


Figure 11-24

Step 5. Select alarm status, a user can select different statuses of alarm info, see Figure 11-25.

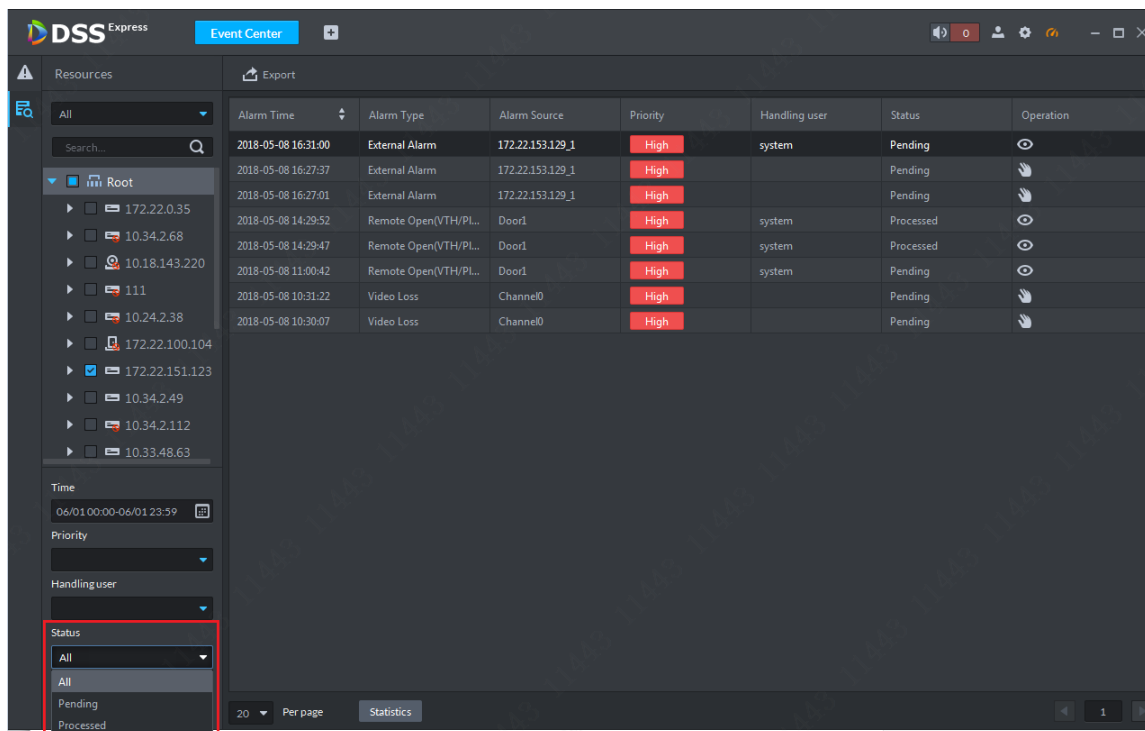


Figure 11-25

Step 6. After you select criteria, click Search button to search alarm. Result is shown below.

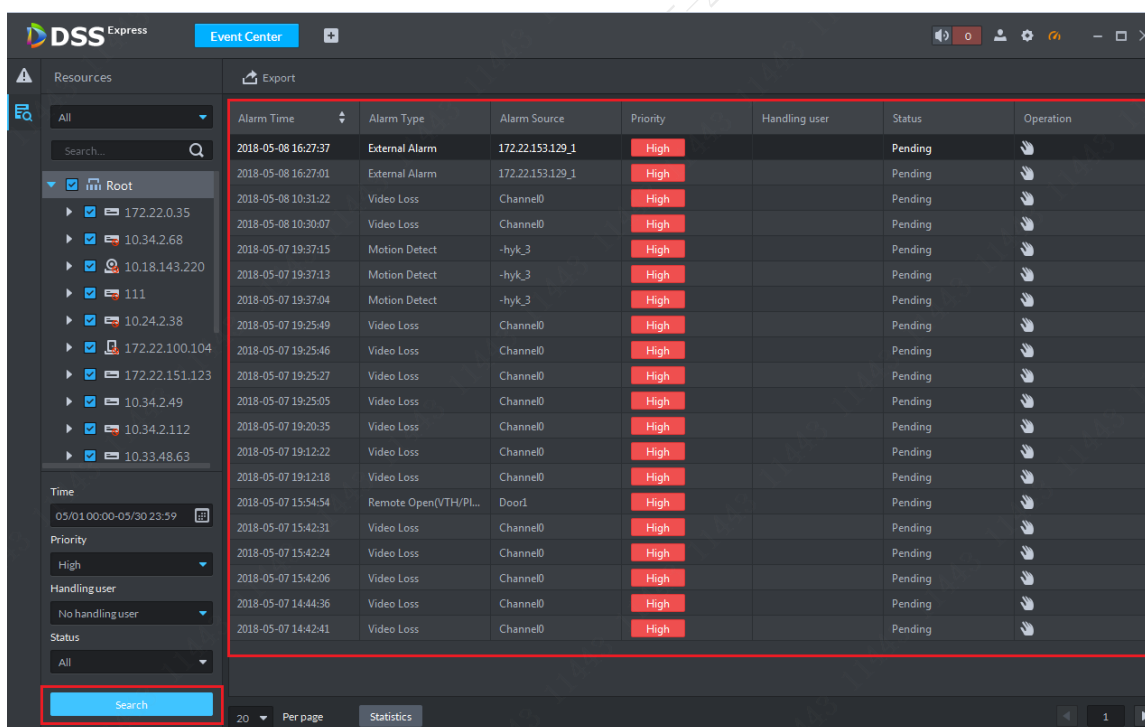


Figure 11-26

Step 7. You can view or process searched alarm. Steps and method are same with processing alarm. Please process referring to real-time alarm.

12 Video Wall

12.1 Add Decode Device

Before you add video wall and output video to wall, you must add decode device. Currently DSS Express platform supports decode device: decoder and decode matrix. To add:

Step 1. In DSS Express client homepage, click Device to enter device manager module.

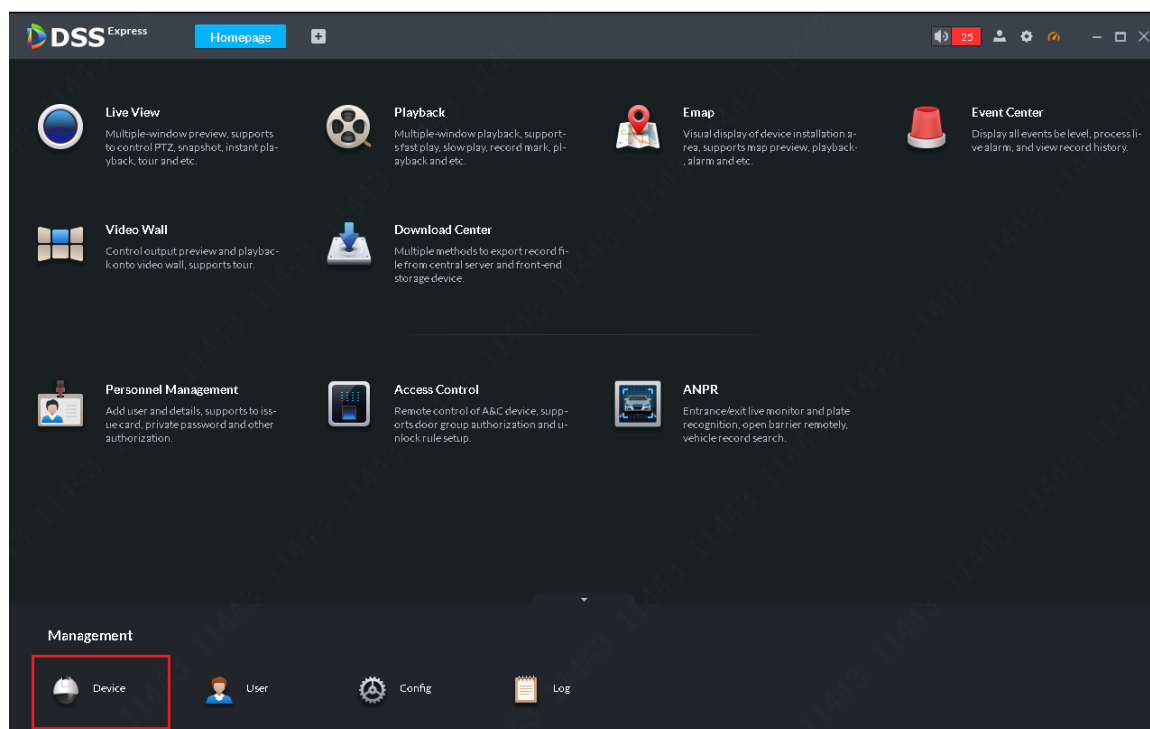


Figure 12-1

Step 2. In device manager page, click **+ Add** button, and then in pop-up box, select add device method as by IP. For device type, select decoder or matrix.

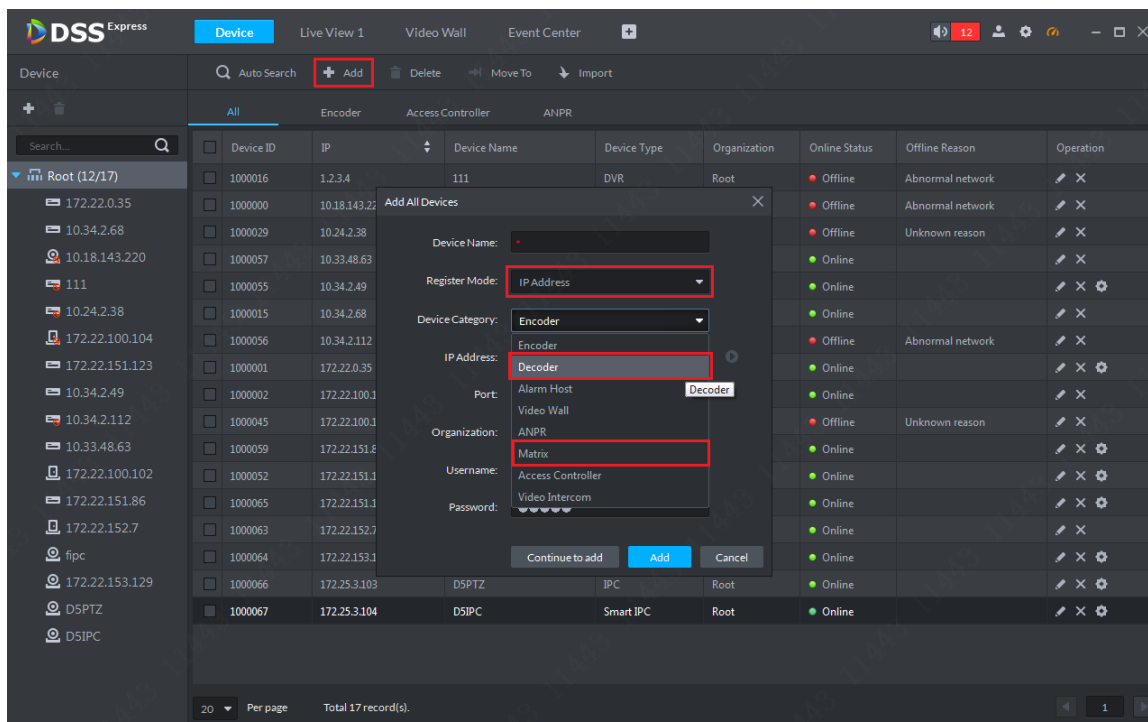


Figure 12-2

Step 3. Please follow instructions in page to complete info input and selection. Make sure you have considered capability of decoder before you check Support Combination box and please select decoder (direct, push, pull). After setup is complete, click Add button.

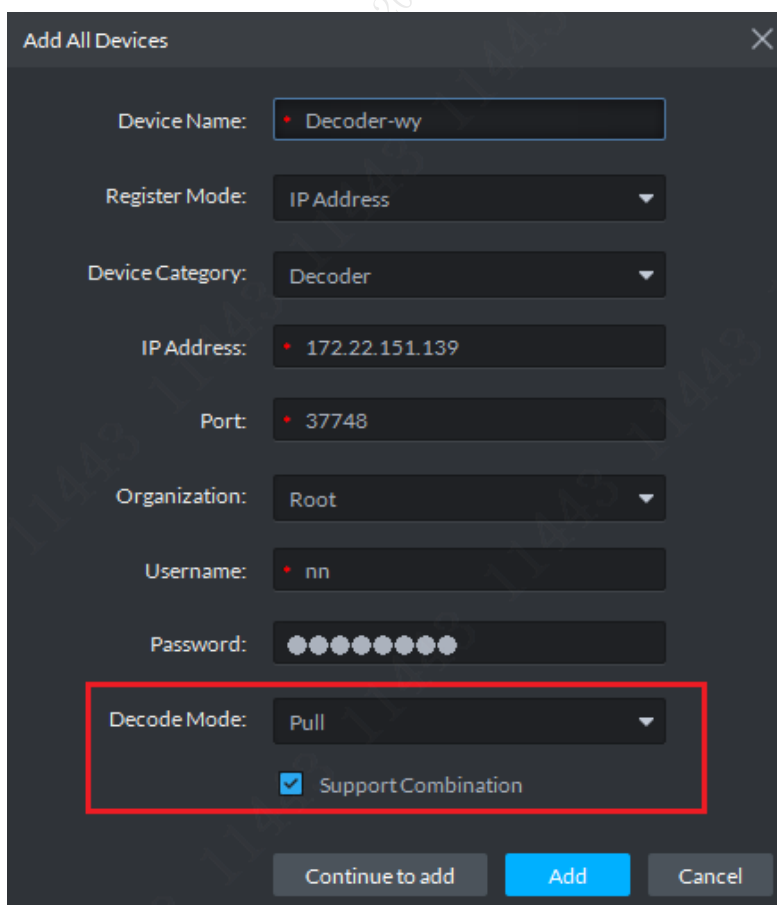


Figure 12-3

Step 4. Decoder device is shown below. Device status is red, meaning the device is offline. Green means device is online. After decode device is added, you can see Decoder option in device type.

Device ID	IP	Device Name	Device Type	Organization	Online Status	Offline Reason	Operation
1000068	172.22.56.5	Decoder-9	NVD	Root	Offline	Unknown reason	[Edit] [Delete]
1000069	172.22.151.139	Decoder-wy	NVD	Root	Online		[Edit] [Delete]

Figure 12-4

12.2 Add Video Wall

Step 1. In DSS Express client homepage, click Video Wall to enter device manager module, see Figure 12-5.

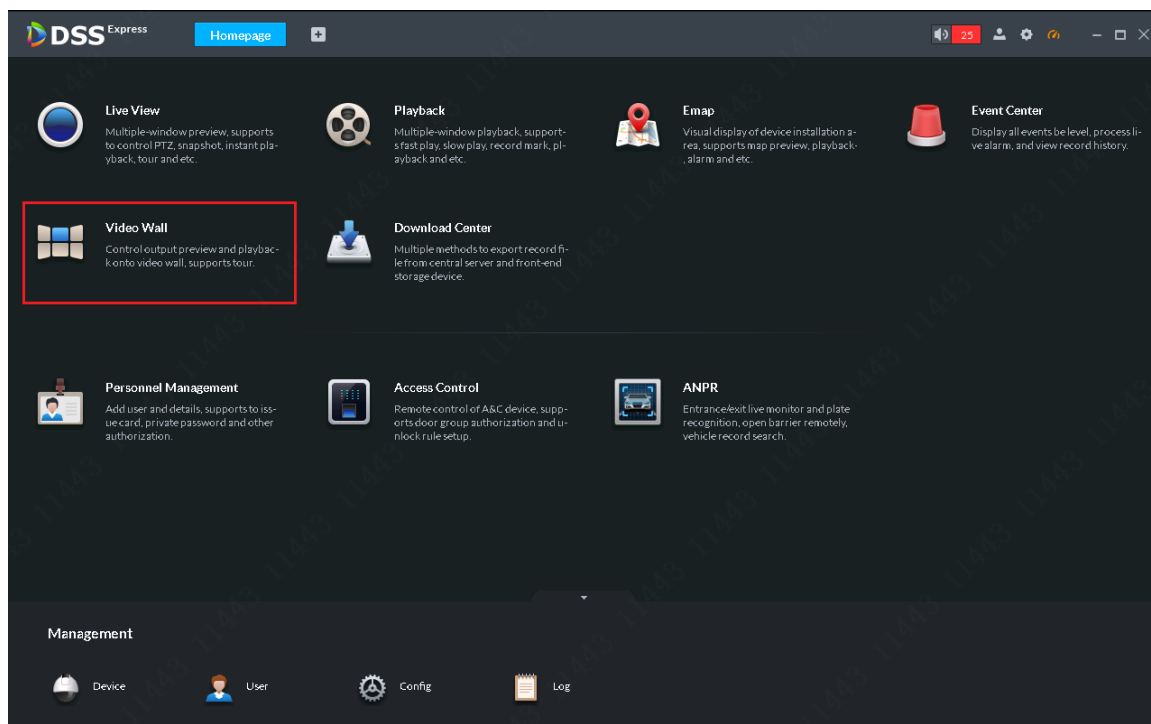


Figure 12-5

Step 2. In video wall page, click Video Wall dropdown list and click add video wall button to add.

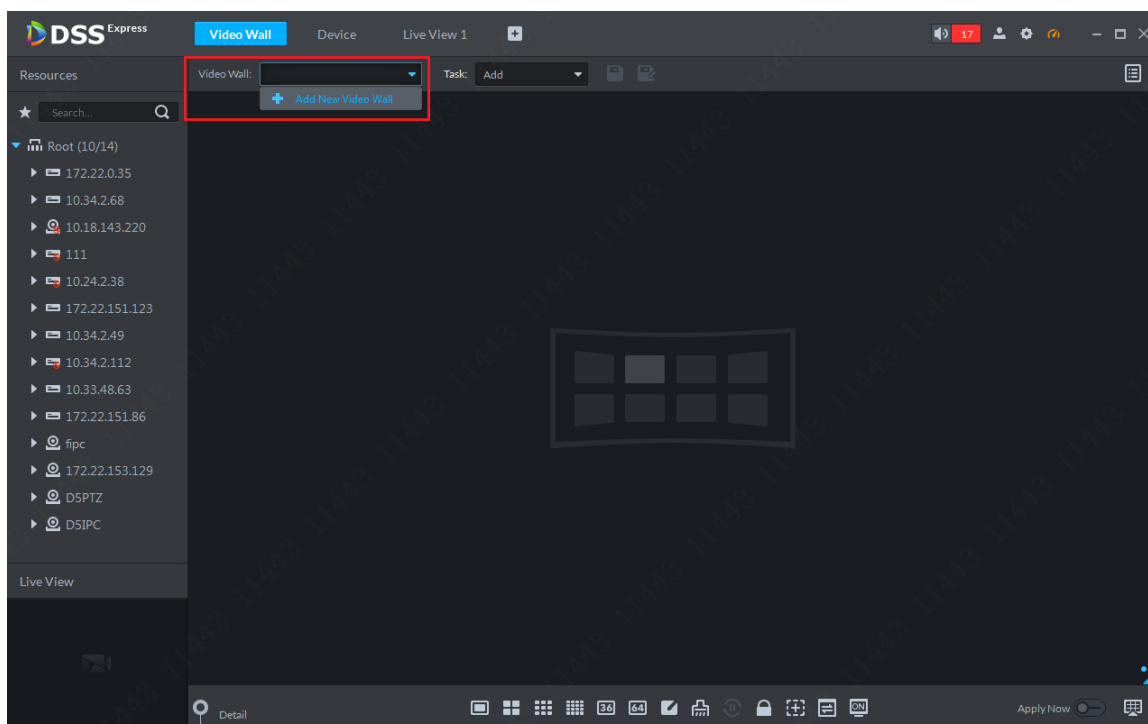


Figure 12-6

Step 3. In system pop-up box, fill in video wall name and note accordingly, see Figure 12-7.

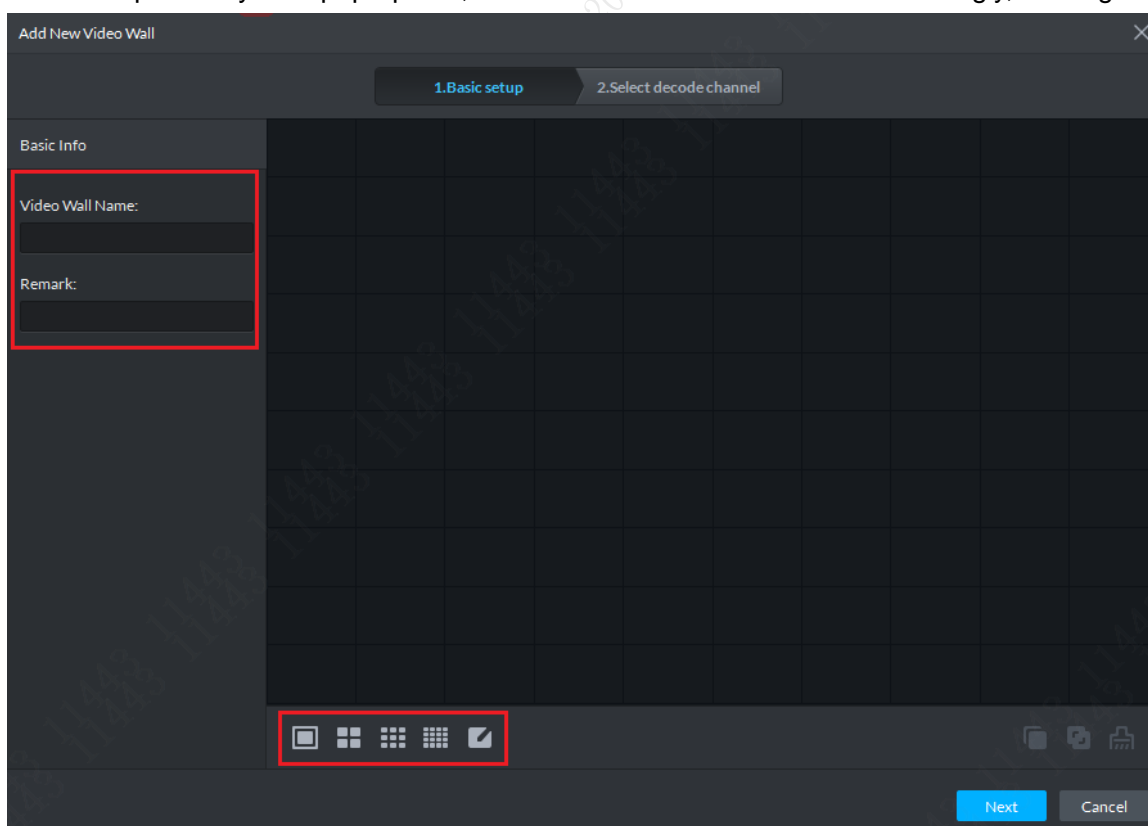


Figure 12-7

Step 4. Select video wall number accordingly, and then place button of corresponding number at random position on screen. See Figure 12-8. Click Next button to continue.

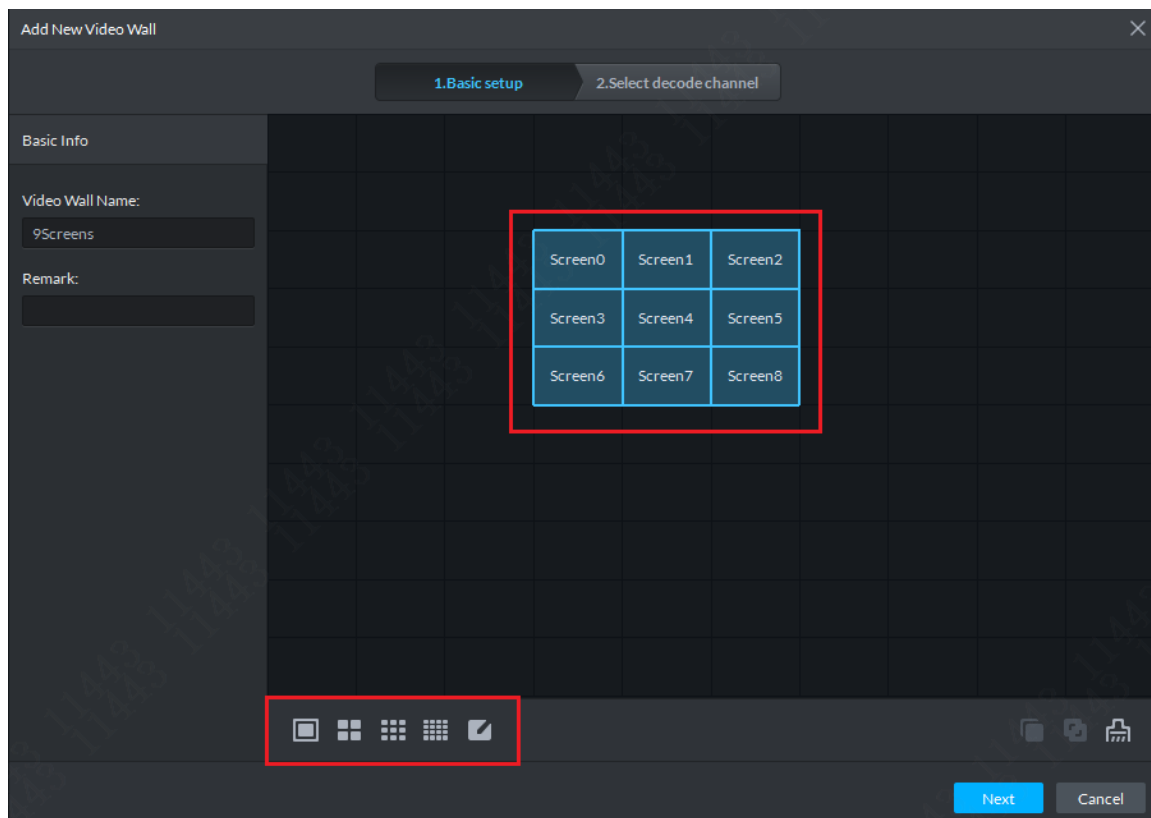


Figure 12-8

Step 5. If you want to set several screens into a combined screen, please hold Shift button and select adjacent screens, then click Combine. After combined, you can see Figure 12-10. Click Next button to continue.

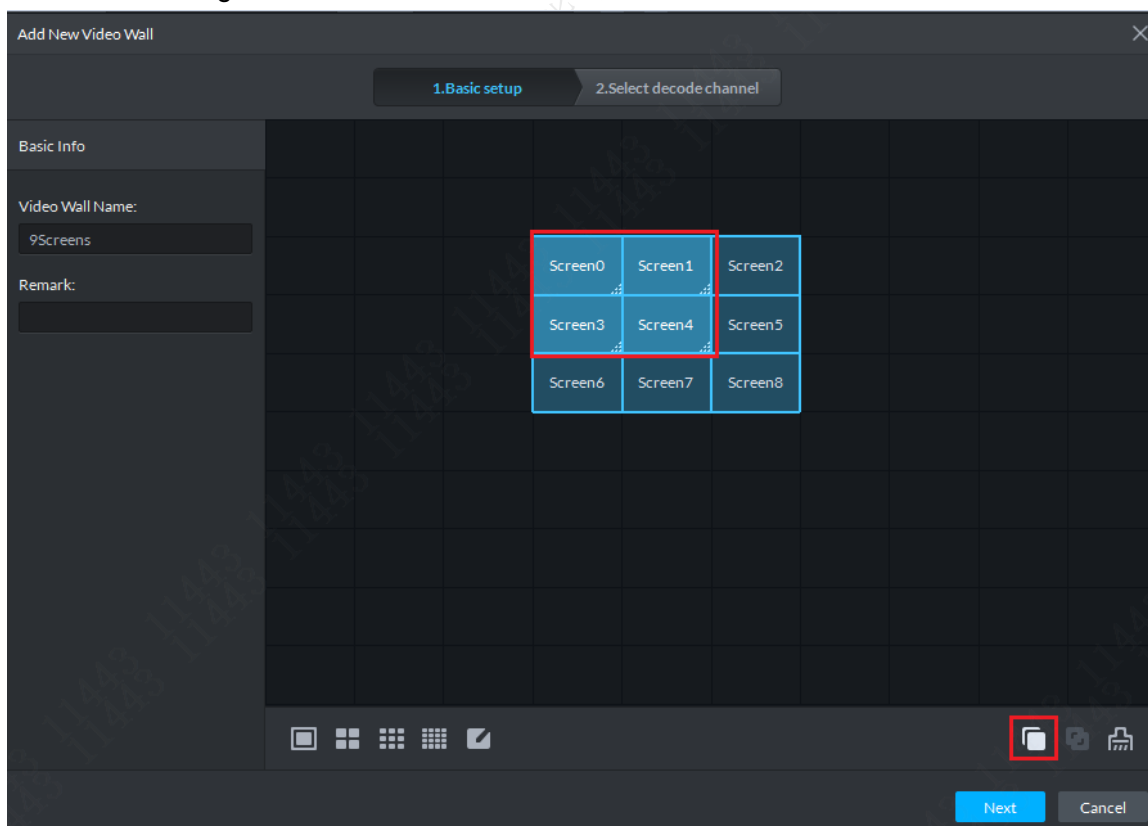


Figure 12-9

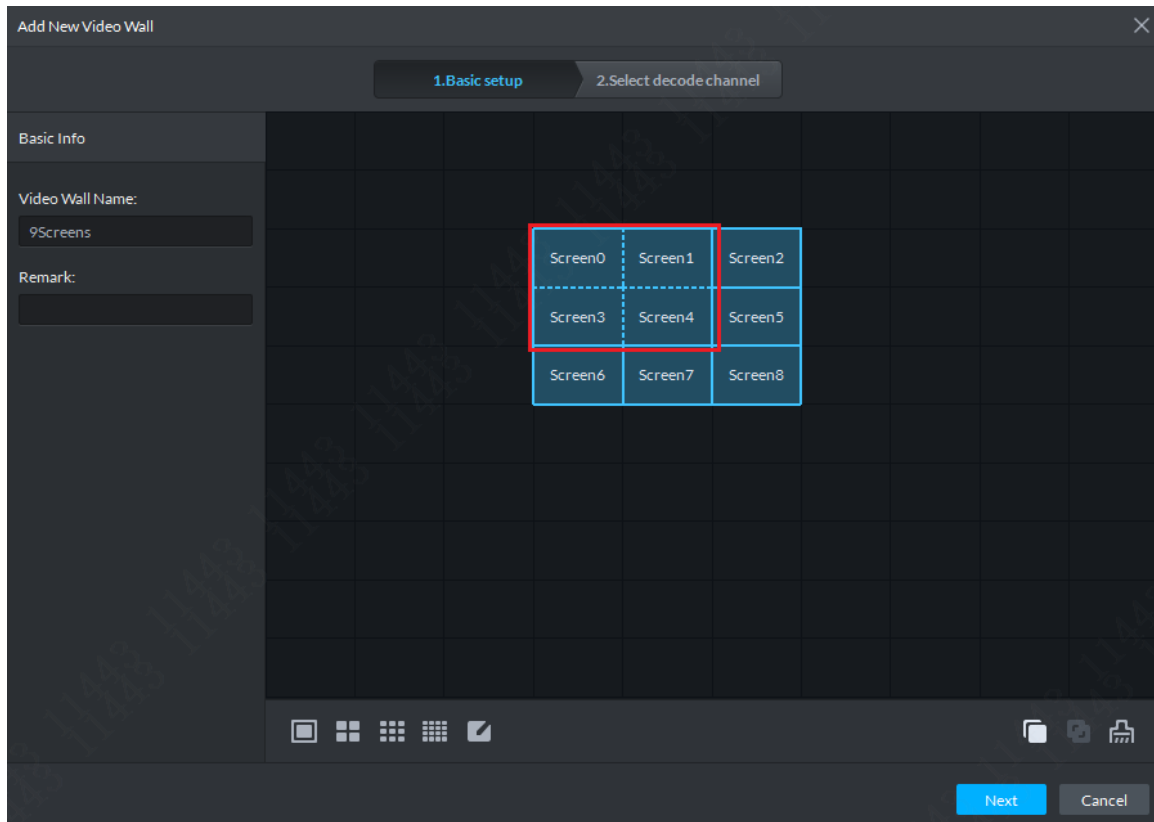



Figure 12-10

Step 6. If you want to clear video wall config, please click  button. Click it than the entire screen will be cleared.

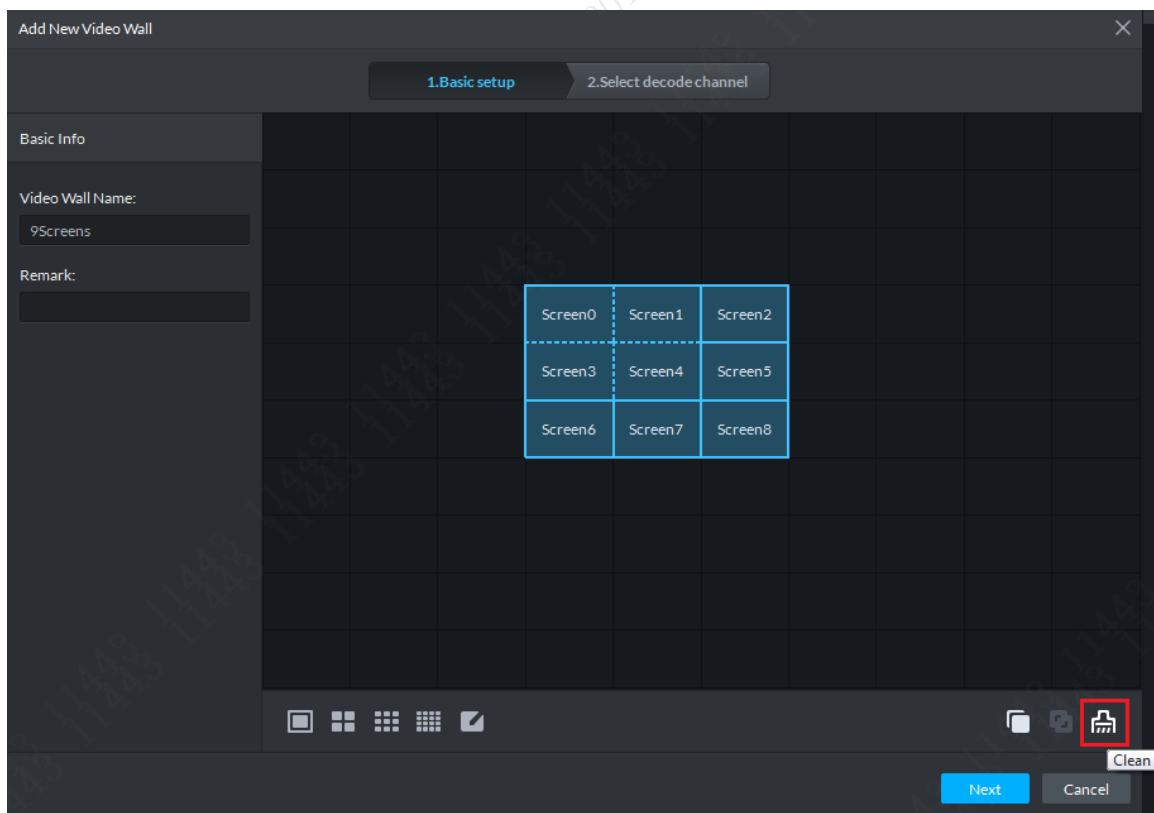


Figure 12-11

Step 7. Enter decode channel binding setup. Drag decode channel on the left to corresponding screen on the right. Be careful, if 4 screens are combined into one, you must bind one decode channel to each of the 4 screens, so you cannot bind just

one channel to the combined channel. One video wall can bind multiple channels of decode device. After you complete binding, click Finish button.

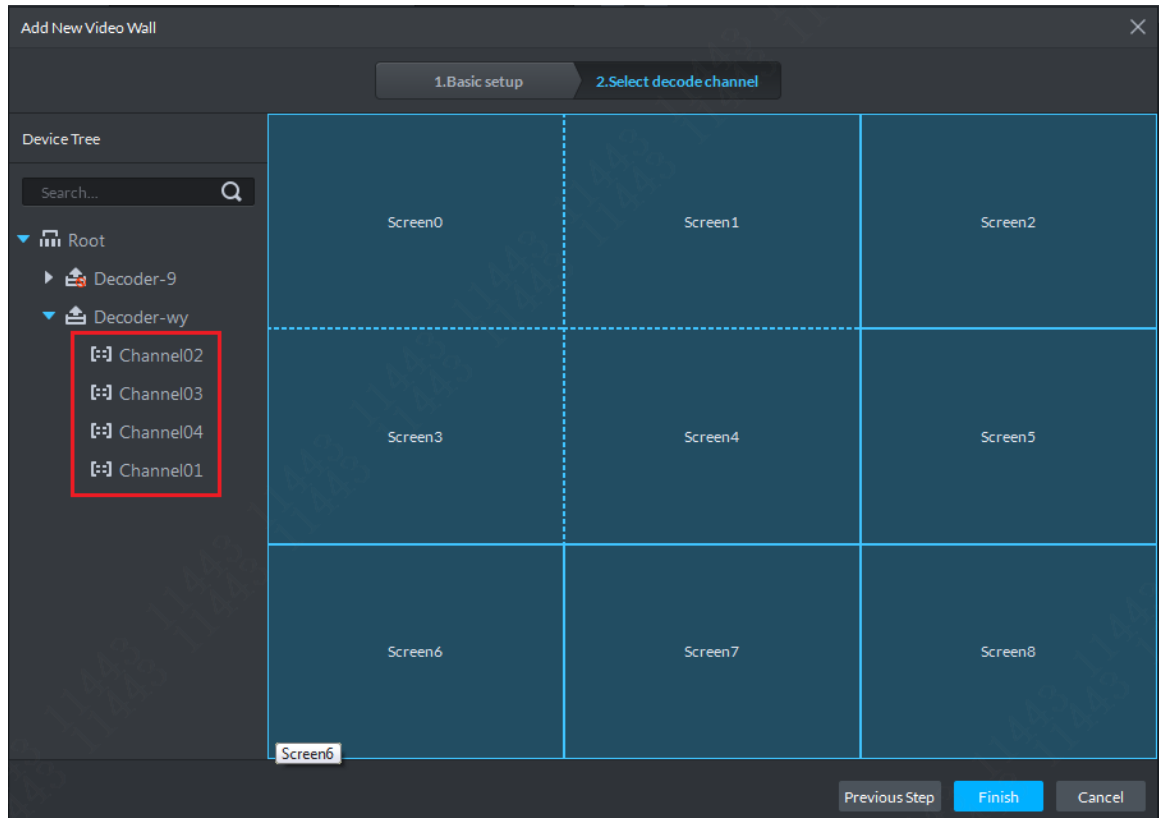


Figure 12-12

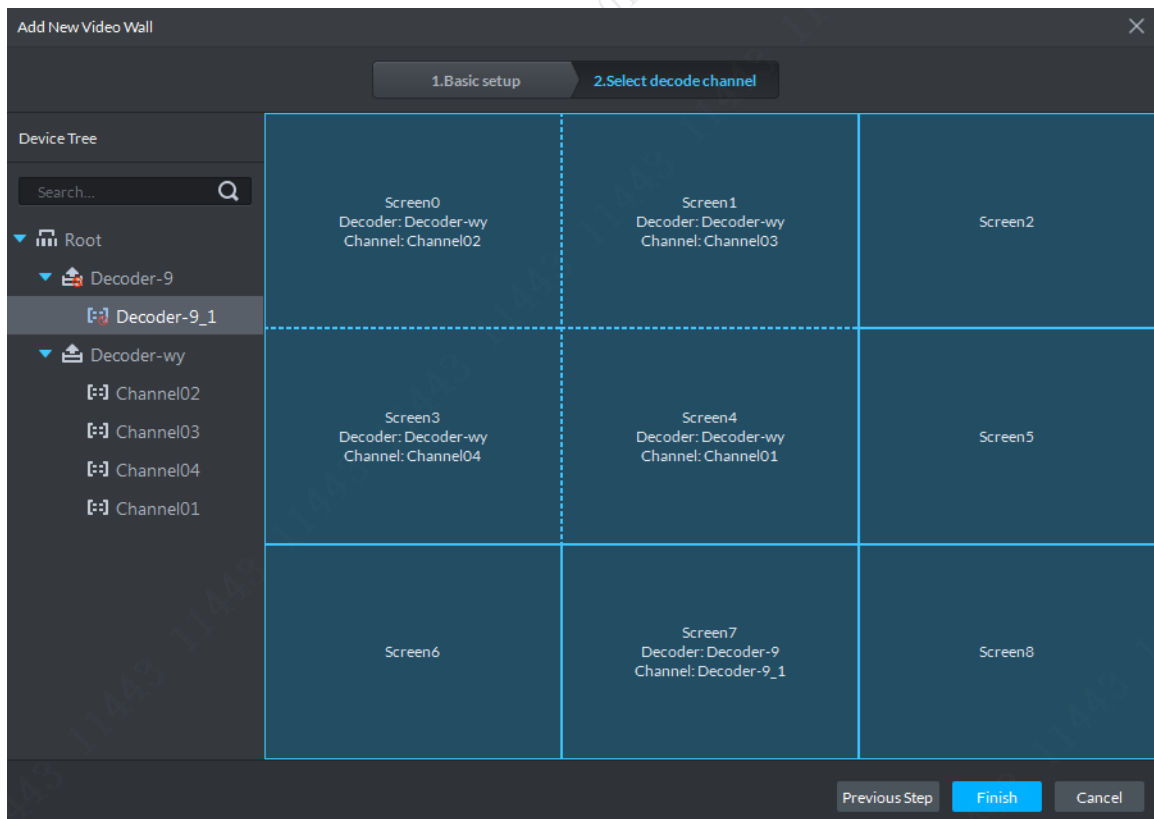


Figure 12-13

Step 8. In video wall control page, it shows the latest video wall.

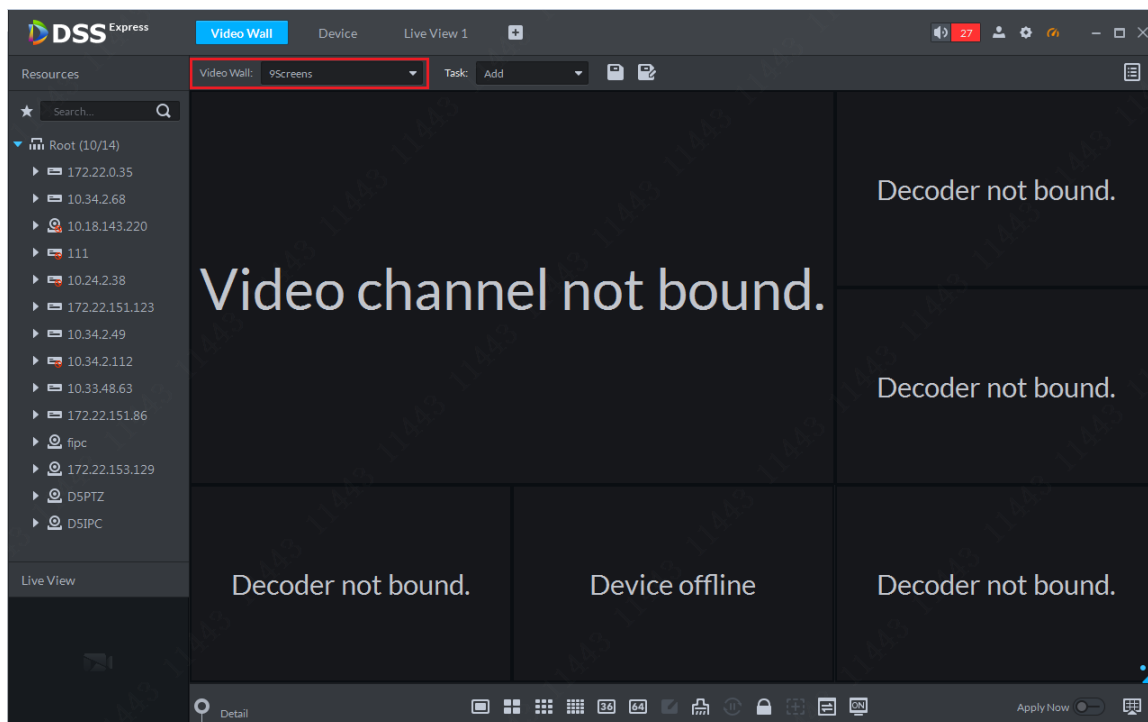


Figure 12-14

12.3 Video Wall Control

Video wall plan includes binding between video channel and decode channel, wall mode selection (task output to wall/instant output to wall), wall task and plan adding, stream setup.

12.3.1 Instant Output to Wall

Drag video channel to corresponding screen, do not click wall button, it will be auto displayed.

First in video wall list, select one video wall schedule, and open instant video wall switch Apply Now, and drag video channel into corresponding decode screen. Click Detail icon in figure to show bound video channel in currently selected decode window. You can go to Detail setup, set stream type and adjust sequence of channel display.

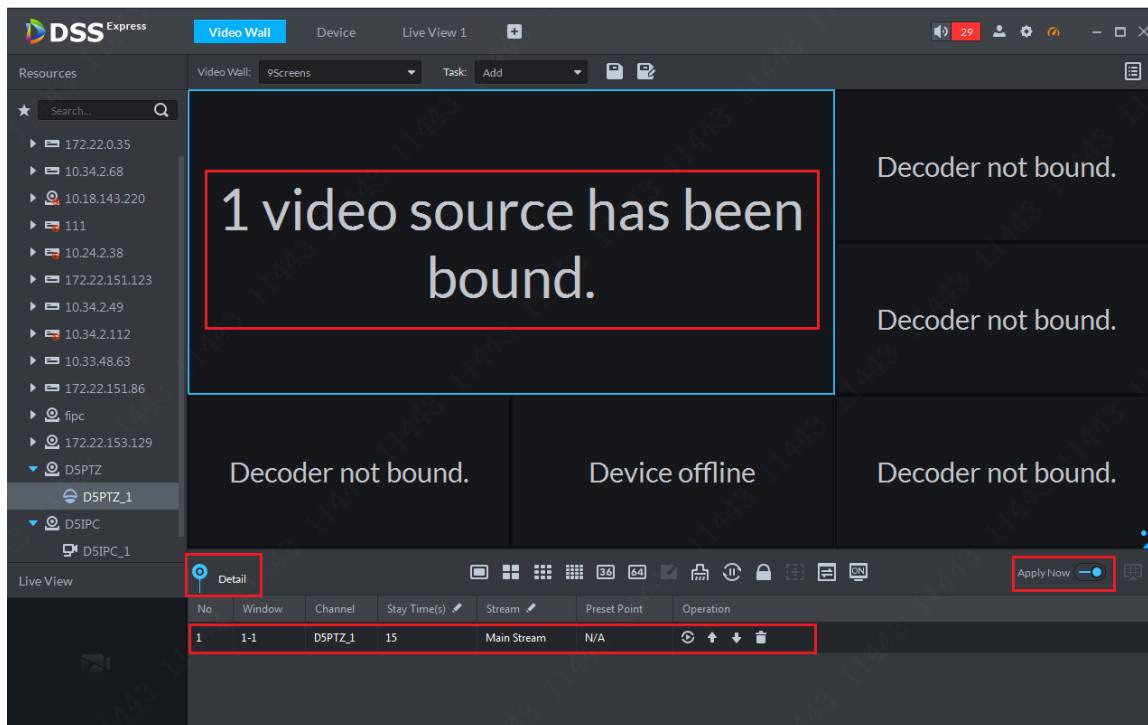


Figure 12-15

12.3.2 Output to Video Wall

Step 1. For any one video wall combination, click Save as task button to set wall task.

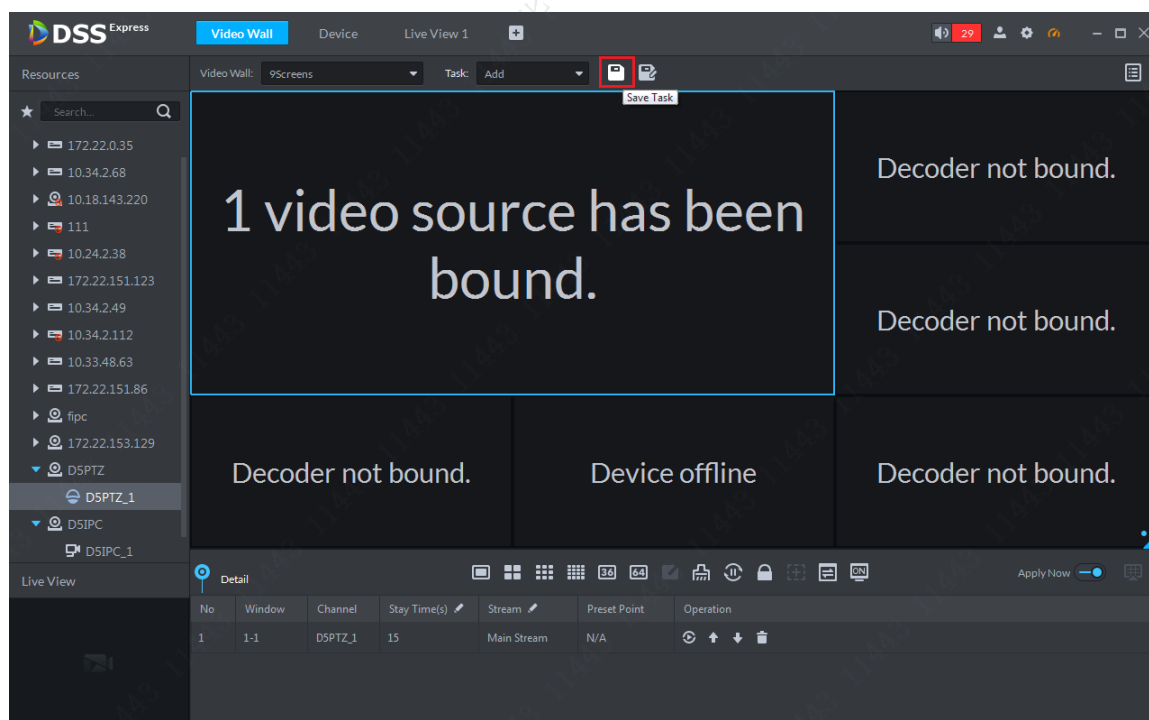


Figure 12-16

Step 2. In pop-up box, enter task name and click OK.

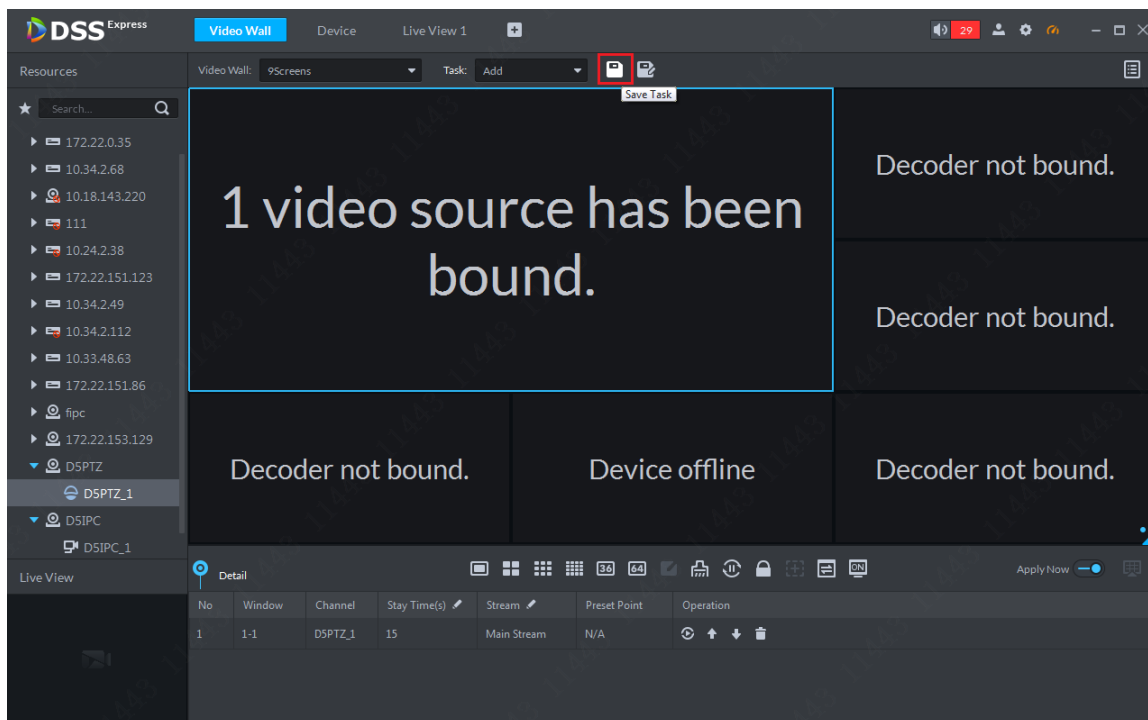



Figure 12-17

Step 3. Save current wall layout as task, and system will show this task by default. Now instant wall switch will turn off. If a user updates bound video channel in this task page, then he/she needs to click  to control video wall.

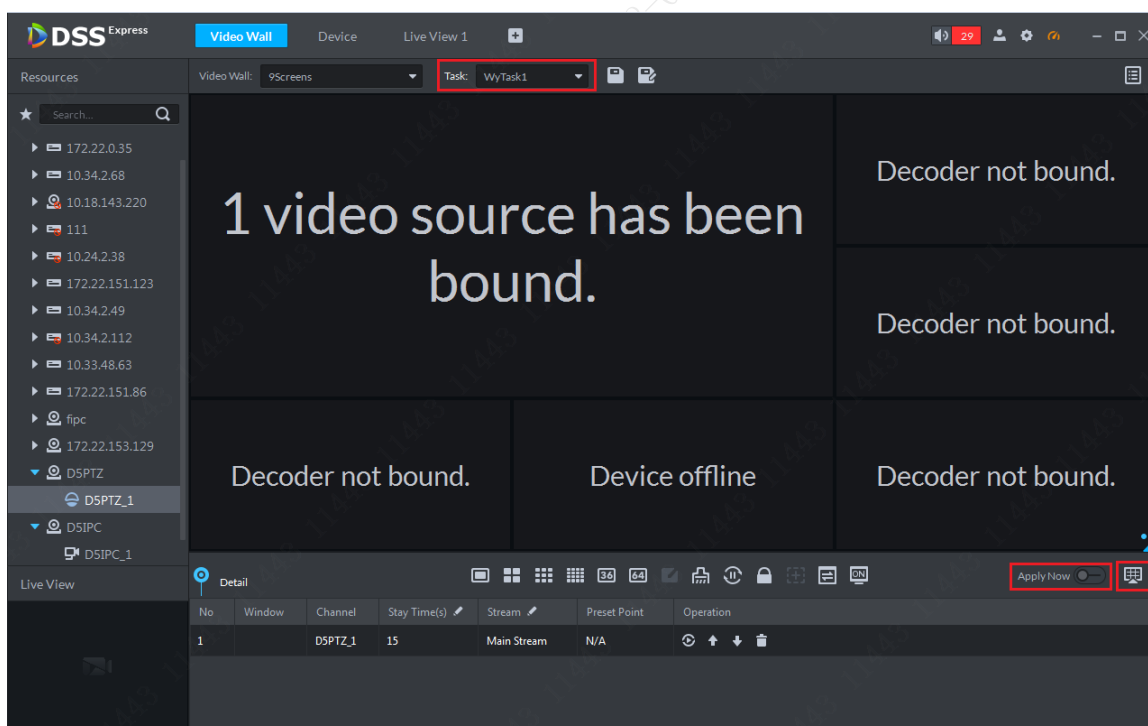


Figure 12-18

Step 4. If you want to view live of a certain channel, please go to Detail and select corresponding channel, click Play button. At the lower left corner, you can view live of the channel.

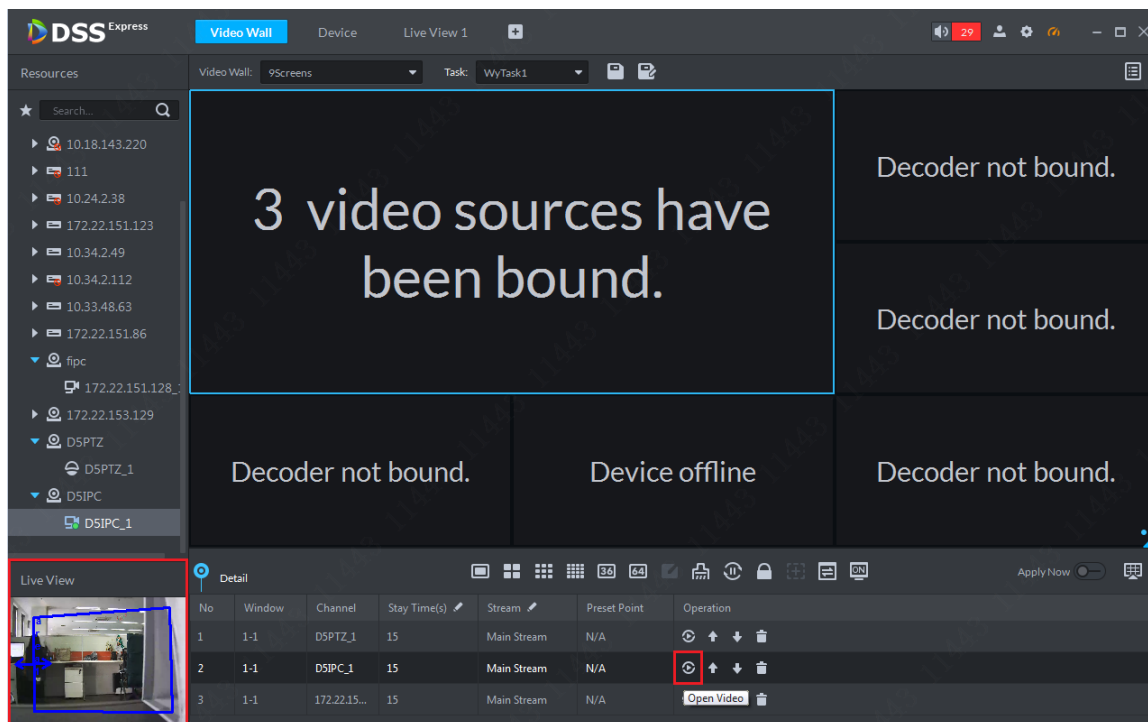


Figure 12-19

Step 5. Task modified based on current task allow user to click to save new task. Newly saved task will be shown.

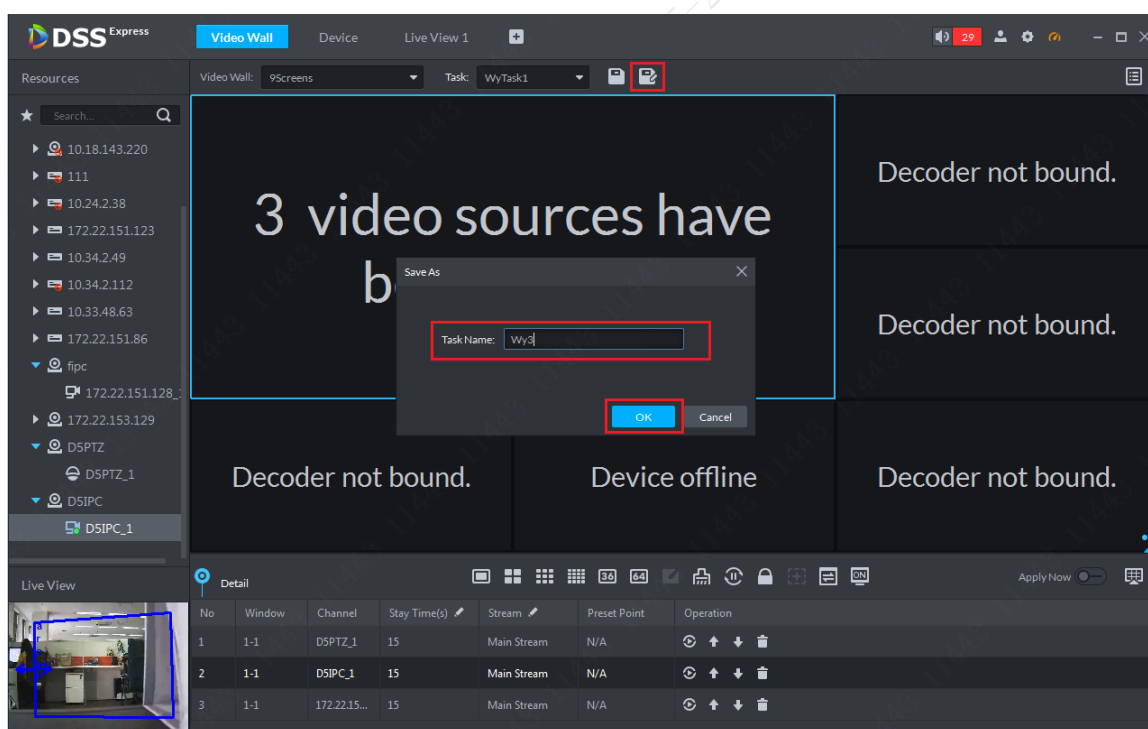


Figure 12-20

12.3.3 Wall Schedule

Wall schedule is setup of video wall task according to work time and length.

Step 1. In video wall page, click at the upper right corner to add schedule. In pop-up page, click Add button to add schedule.

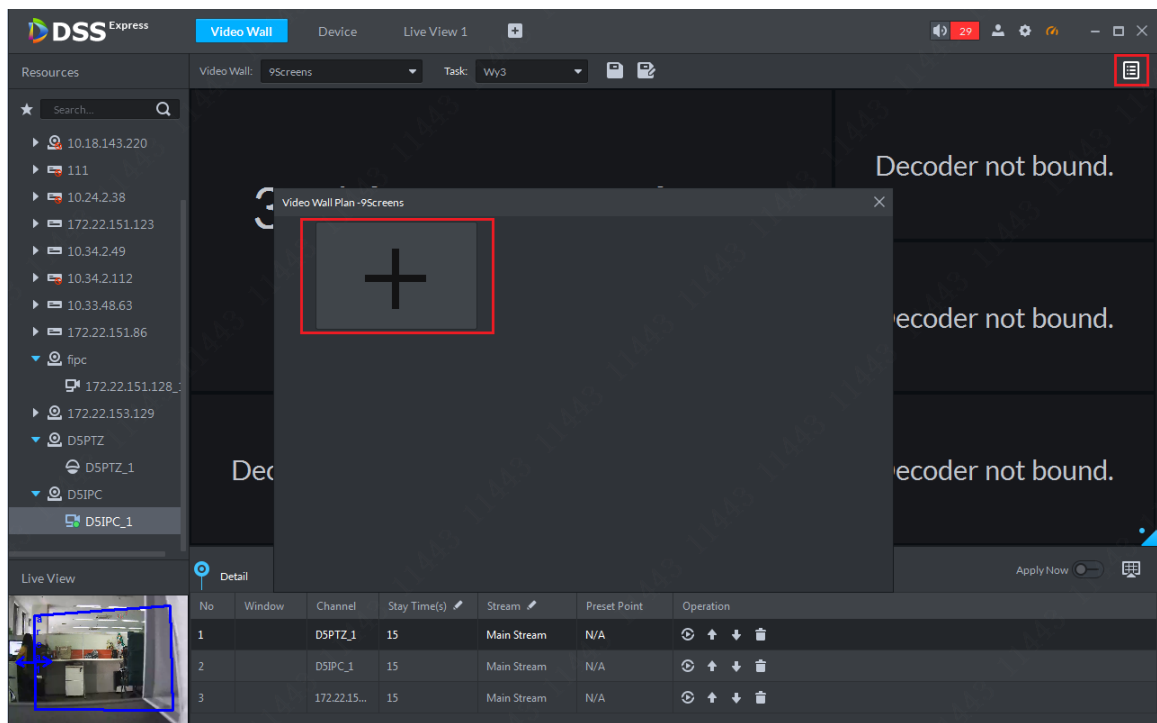


Figure 12-21

Step 2. A user can select plan schedule or tour plan accordingly.

Differences between schedule and tour: schedule includes detailed start time and end time of each task and if set task time is shorter than one day, user can set execution of other tasks as remaining time when two tasks are already executed. Tour plan sets sequence of multiple tasks plus interval in between, forming a cycle, without concept of remaining time.

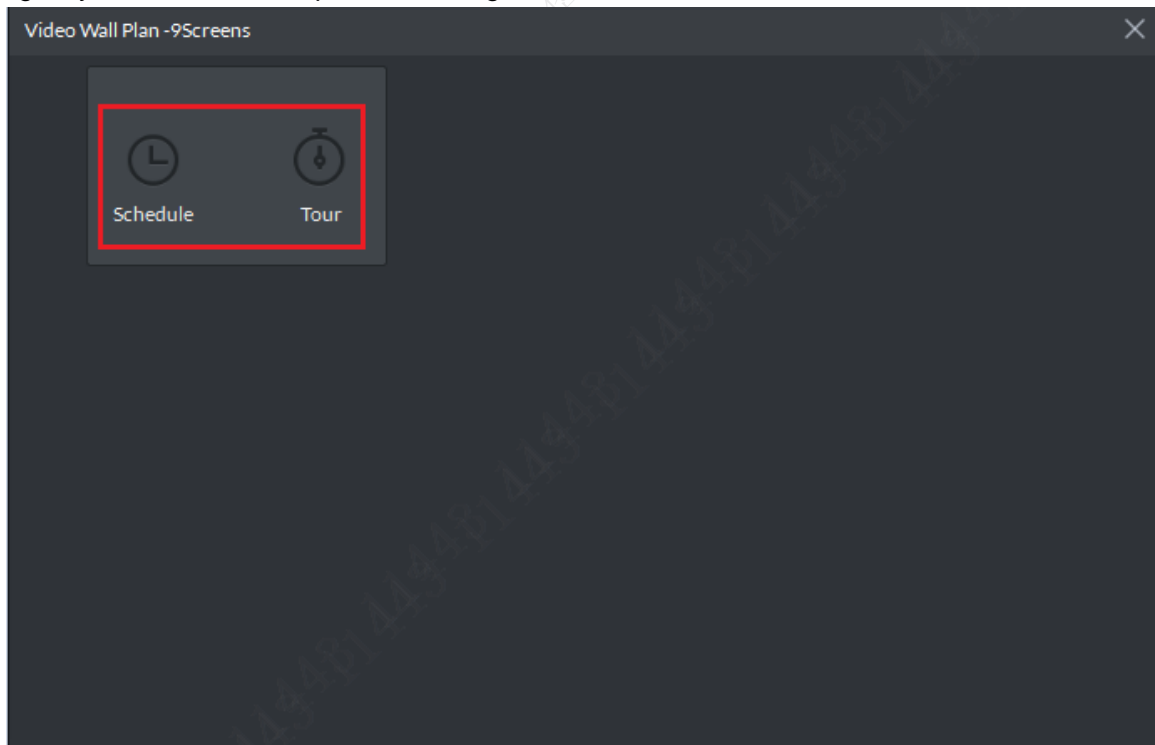


Figure 12-22

Step 3. Add schedule. Select schedule, enter schedule setup page. You can set execution time of each task and remaining time task. After setup is complete, click Save.

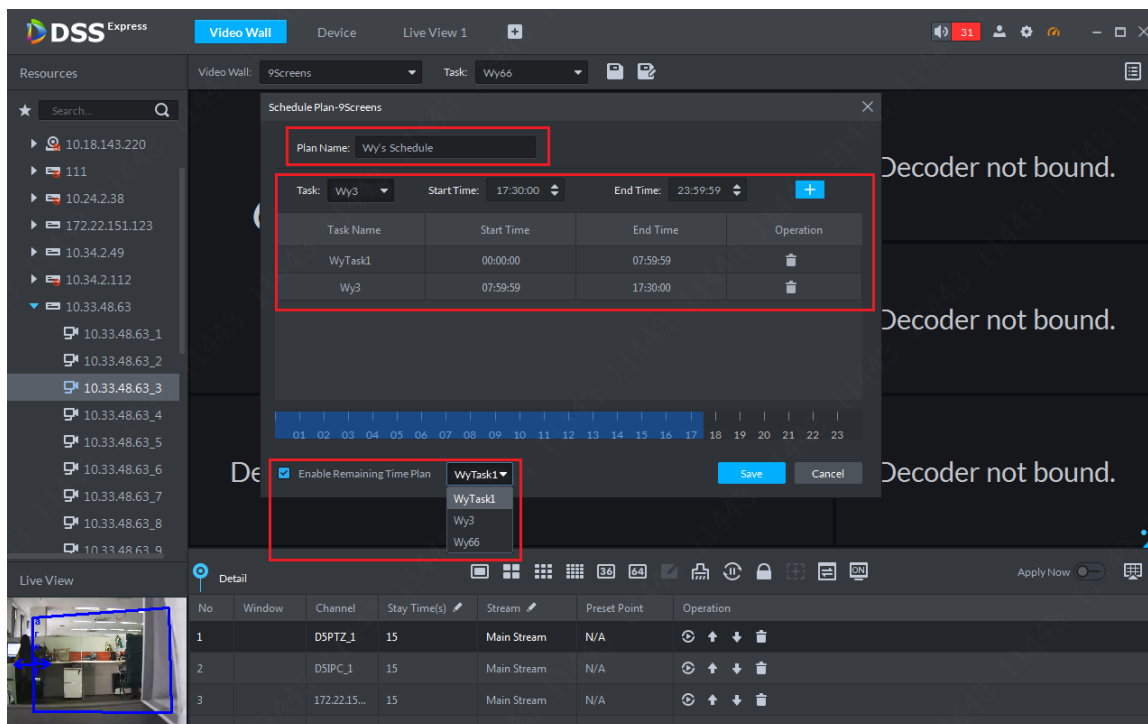


Figure 12-23

Step 4. Successfully add schedule, see Figure 12-24.

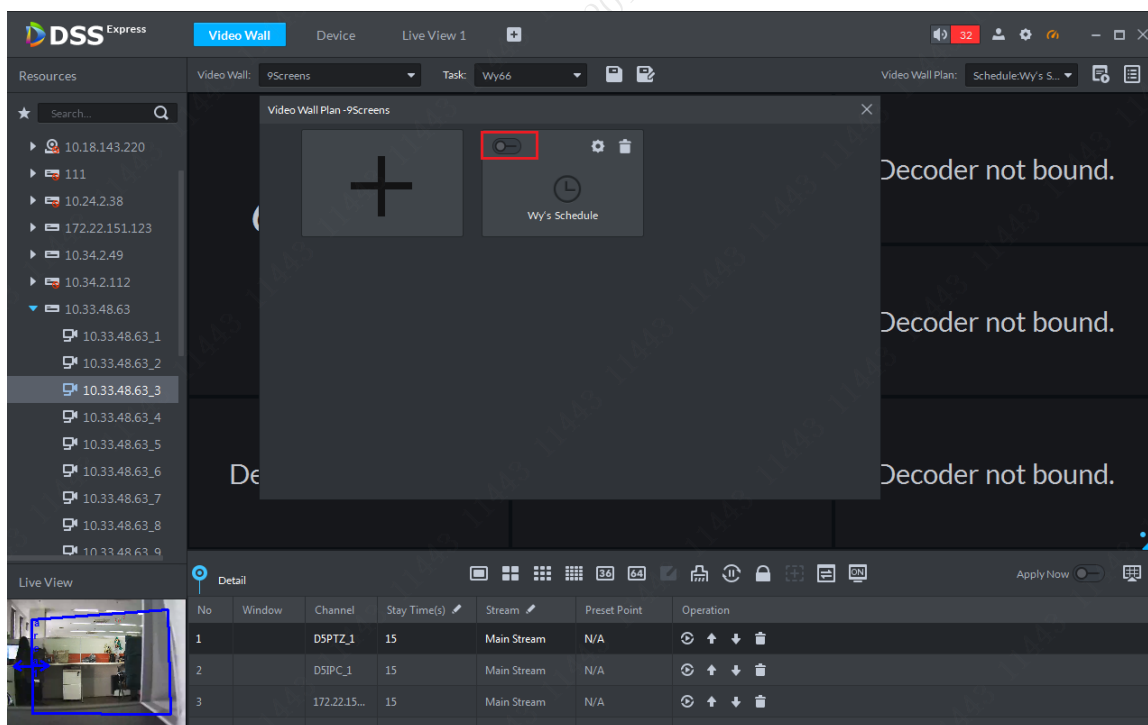


Figure 12-24

Step 5. Add tour plan. Select Tour to add tour plan. A user can set task sequence and stay length according to actual need. A user can adjust sequence in operation bar. Then click Save.

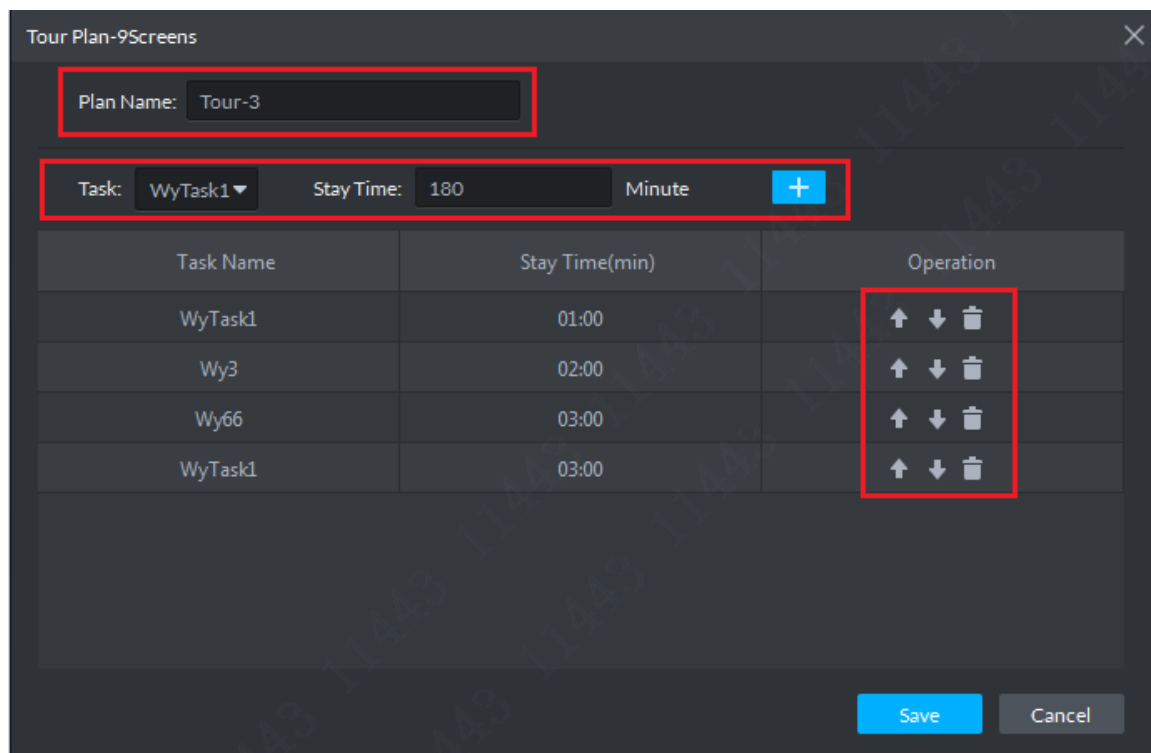


Figure 12-25

Step 6. After successfully saved, enable schedule switch.

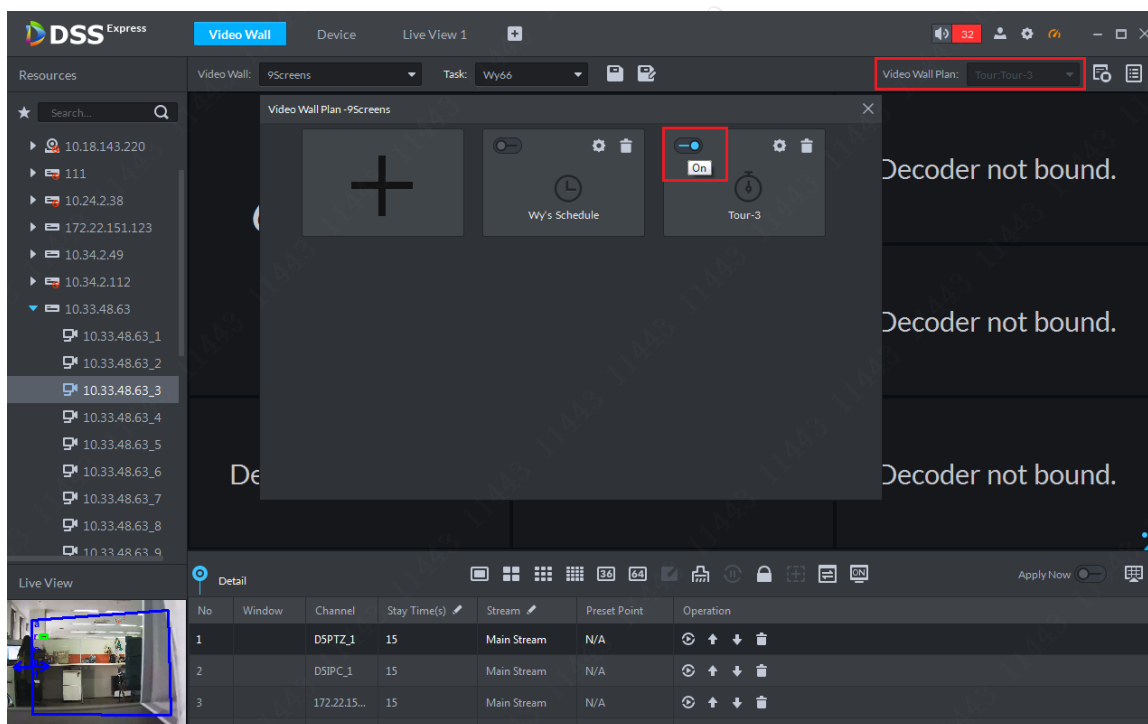



Figure 12-26

Step 7. If you want to stop the schedule, click  button. If you want to switch to other schedule, click output plan button to enter schedule manager to switch.

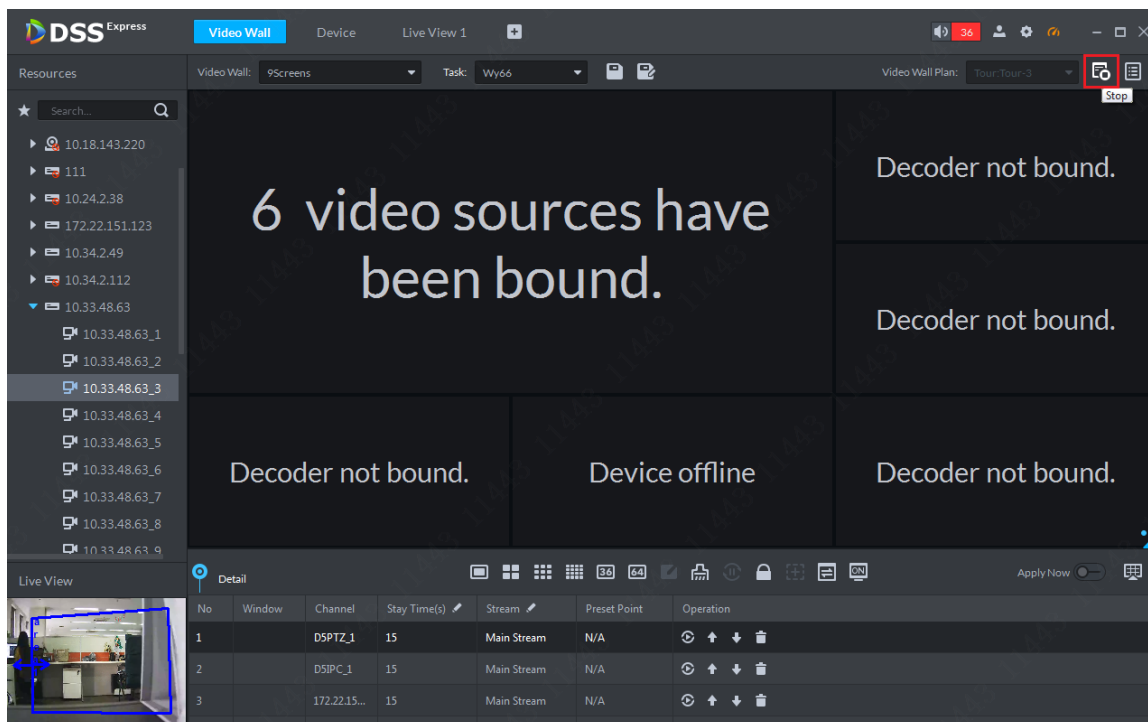


Figure 12-27

12.3.4 Control Function

12.3.4.1 Eagle Eye

When you set output channel in Client, if you cannot see screens clearly, you may zoom in certain part of video wall via eagle eye function. Drag blue box and adjust its size to zoom in.

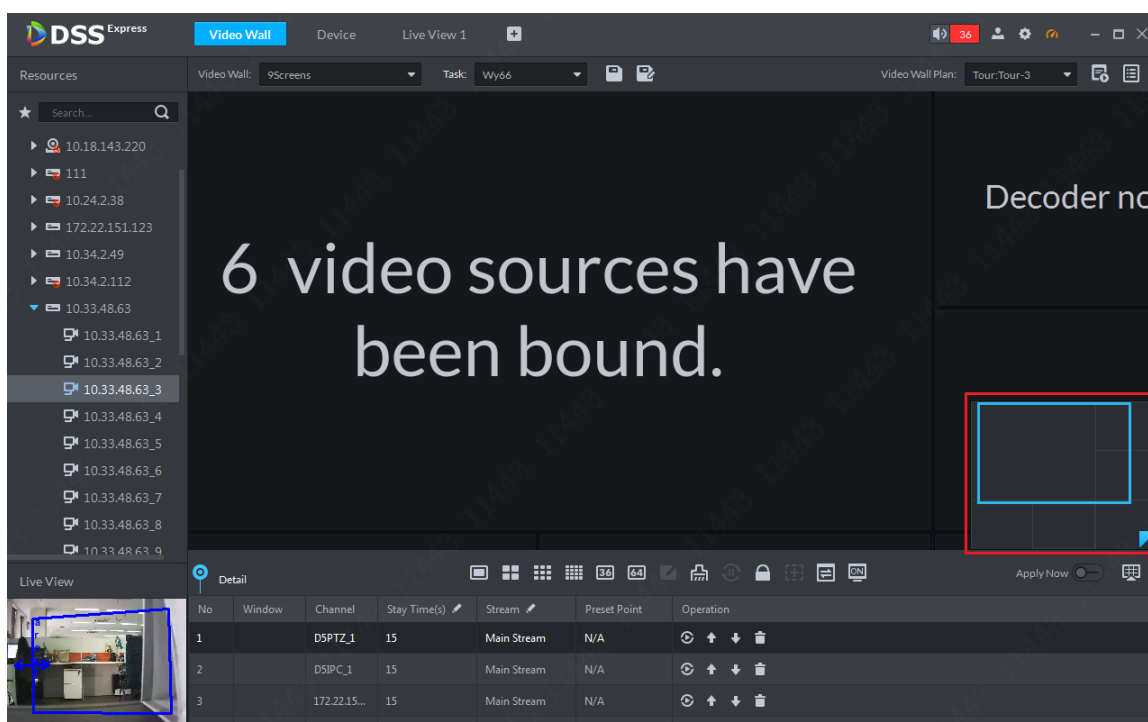


Figure 12-28

12.3.4.2 One-click Clear Screen

It supports one-click to clear all info of current decode channel. Click this button to do so.

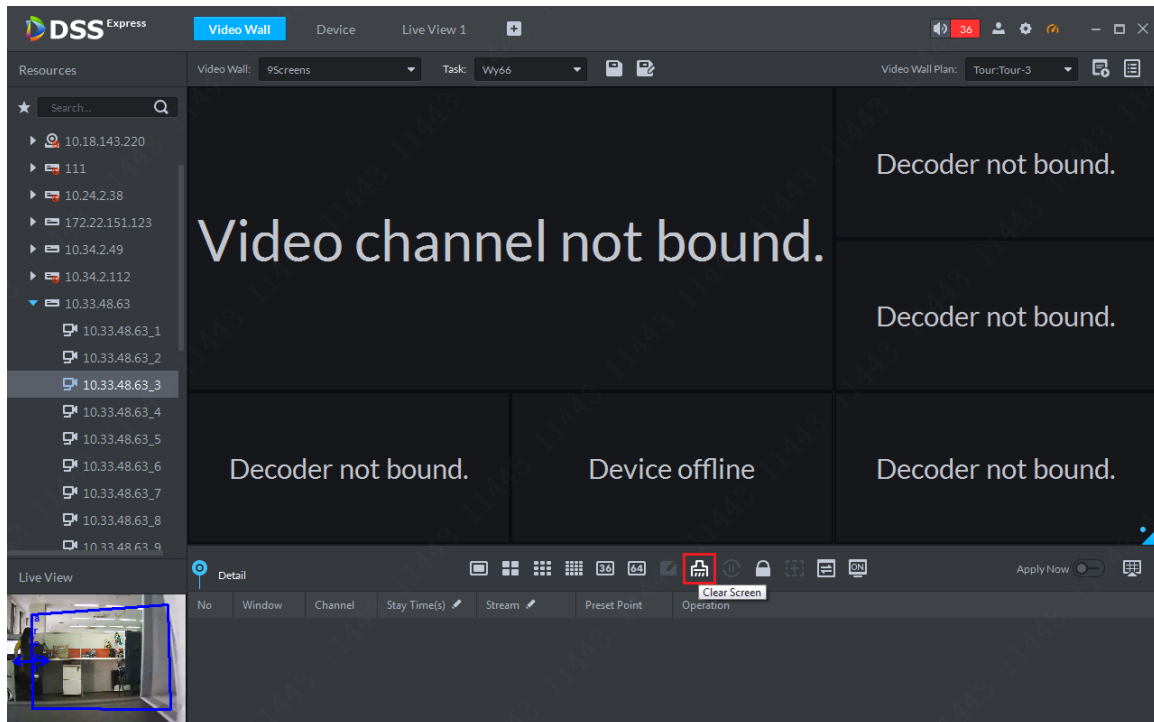


Figure 12-29

12.3.4.3 Lock Window

This lock window function is used when combined screen is open. If you lock window, then all windows in this locked window cannot be moved. You must unlock window to move inner windows.

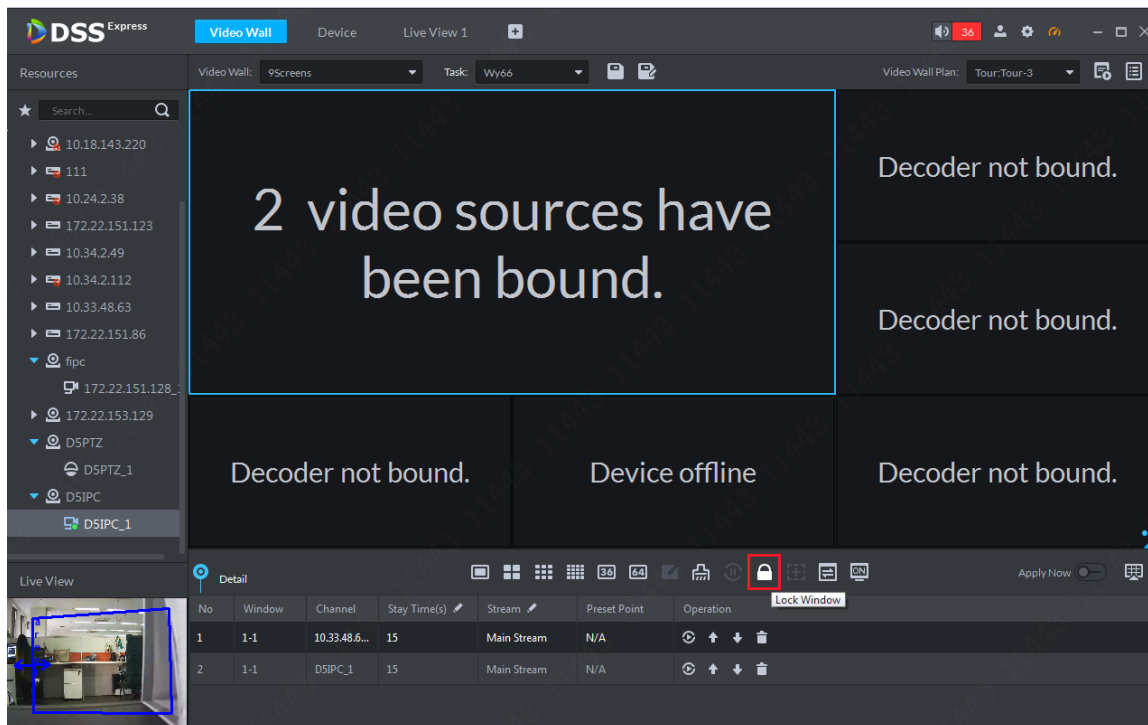


Figure 12-30

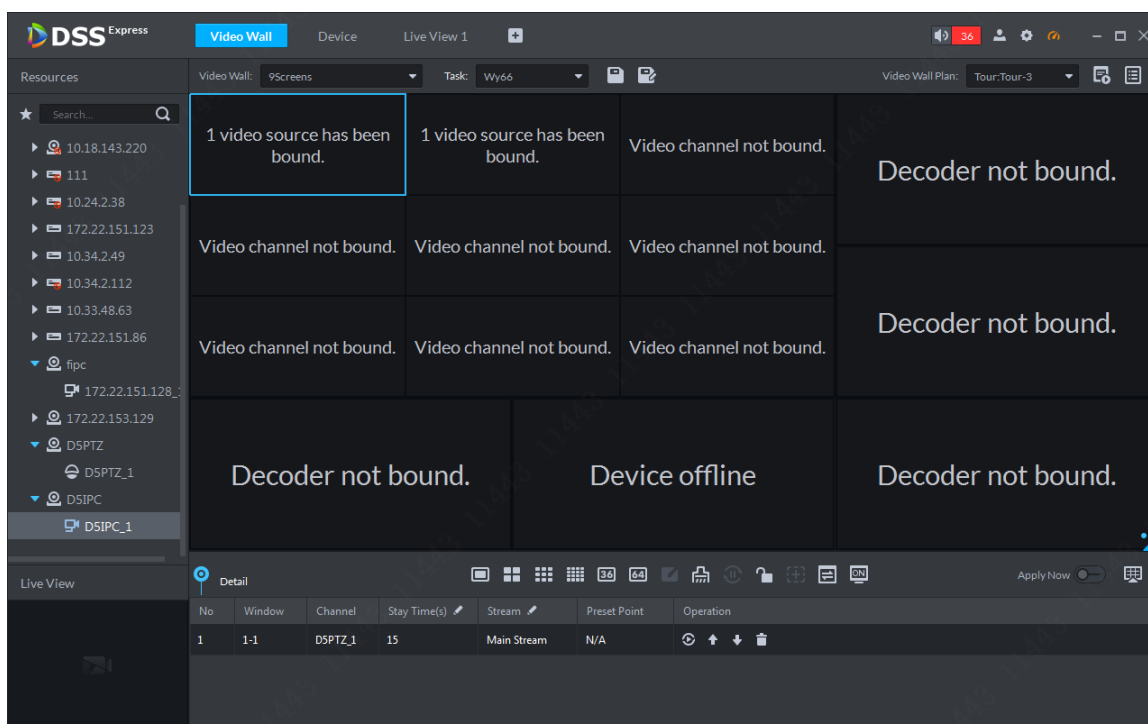


Figure 12-31

12.3.4.4 Sync Play in Client

In video wall decoding window, it shows live of corresponding video channel. If the window does not respond, please click mouse in other window and then click this window to activate it.

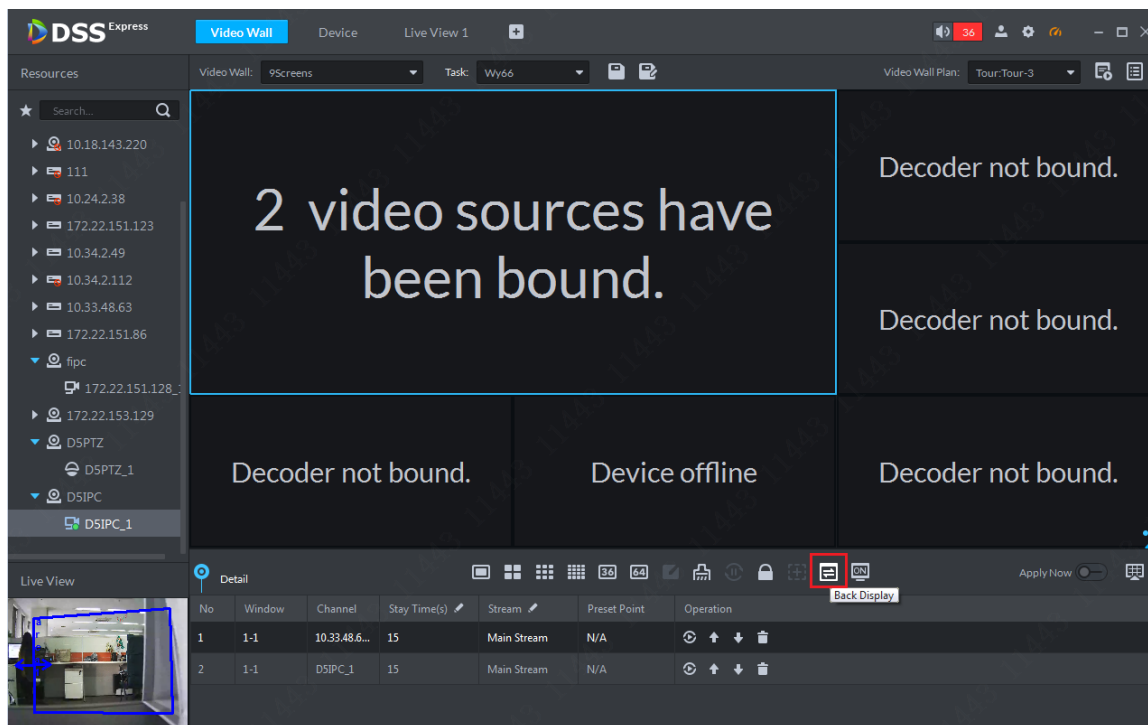


Figure 12-32

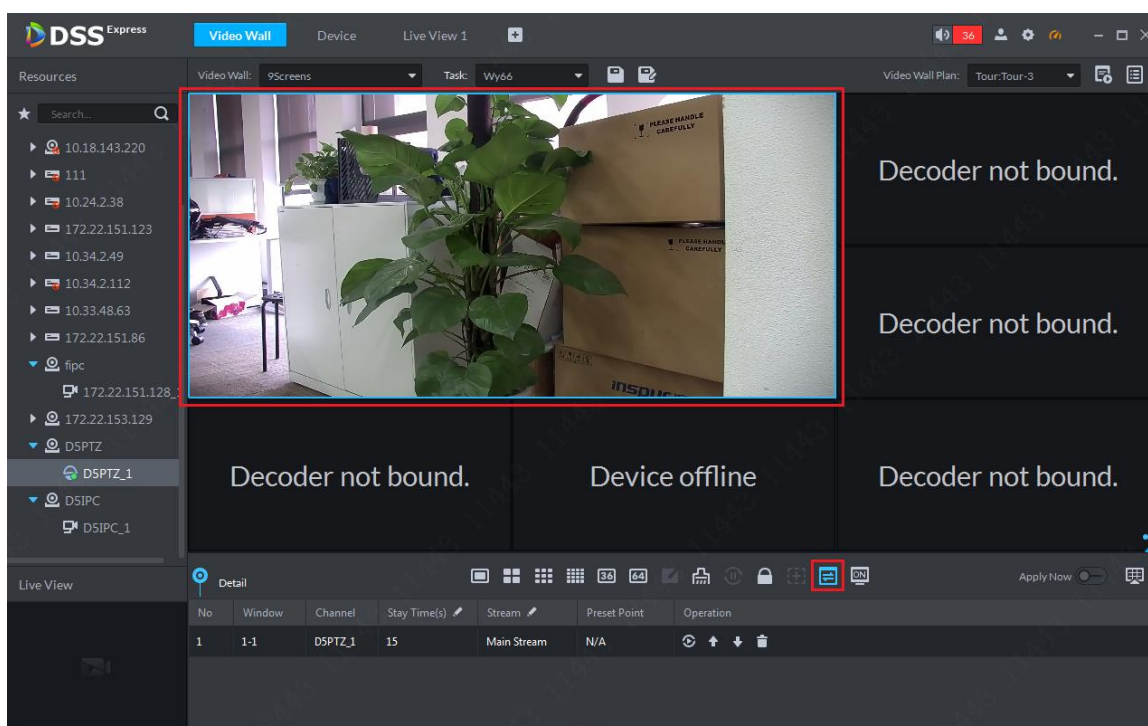



Figure 12-33

12.3.4.5 Screen Switch

In Client, you can control switch to enable/disable some/all screens of decoding matrix.

Click  in screen, and in pop-up box select screen to switch.

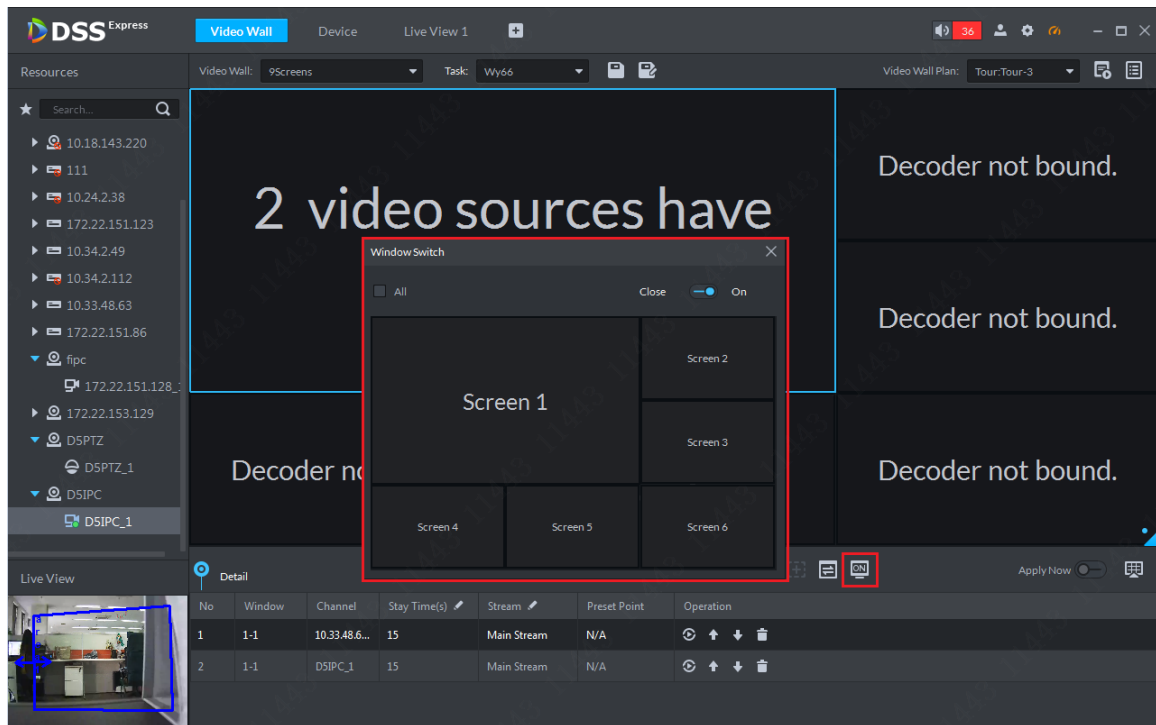


Figure 12-34

13 Person

13.1 Add Person

13.1.1 Add Department

Step 1. In Client homepage, click “Personnel Management “to enter user management module, see 错误!未找到引用源。 .

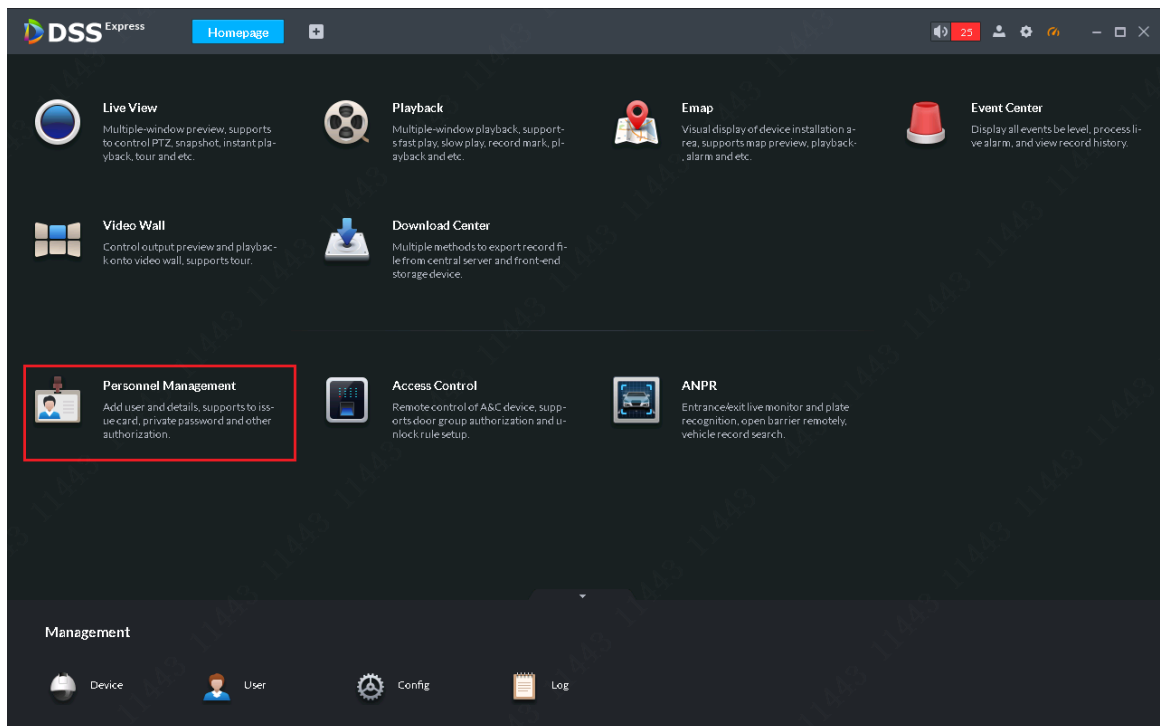



Figure 13-1

Step 2. On the left select root directory, click “Add”button  to add department, see Figure 13-2.

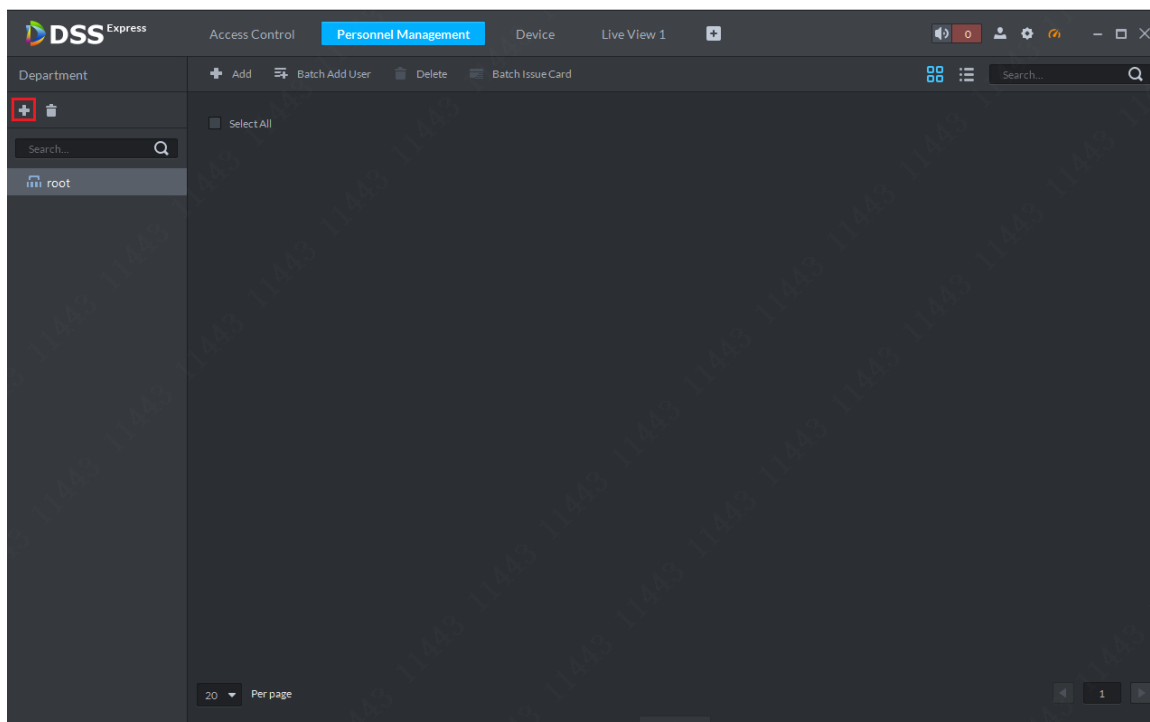


Figure 13-2

Step 3. In system pop up page, enter department name and click OK.

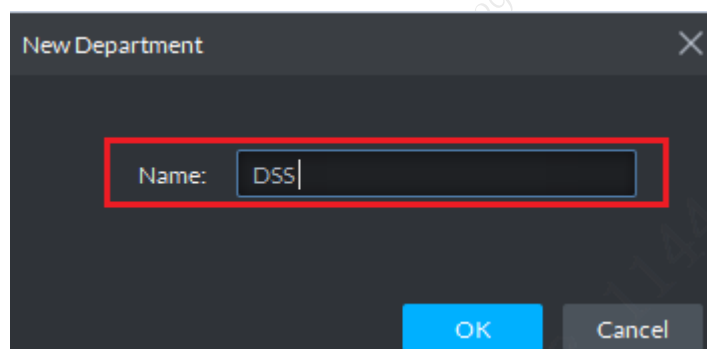


Figure 13-3

Step 4. After you add department, you can add user to corresponding department.

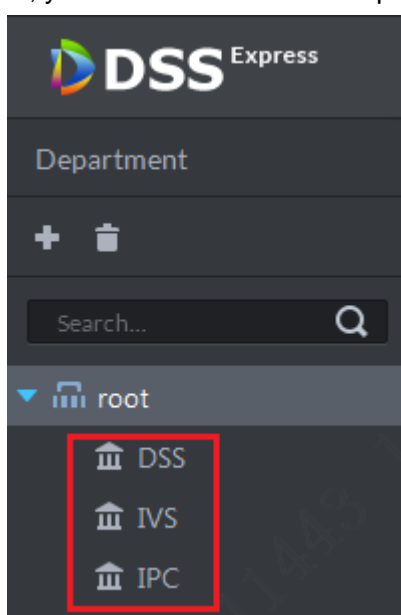


Figure 13-4

13.1.2 Add A User

Step 1. In Client homepage, click “Personnel Management “to enter user management module, see Figure 13-4.

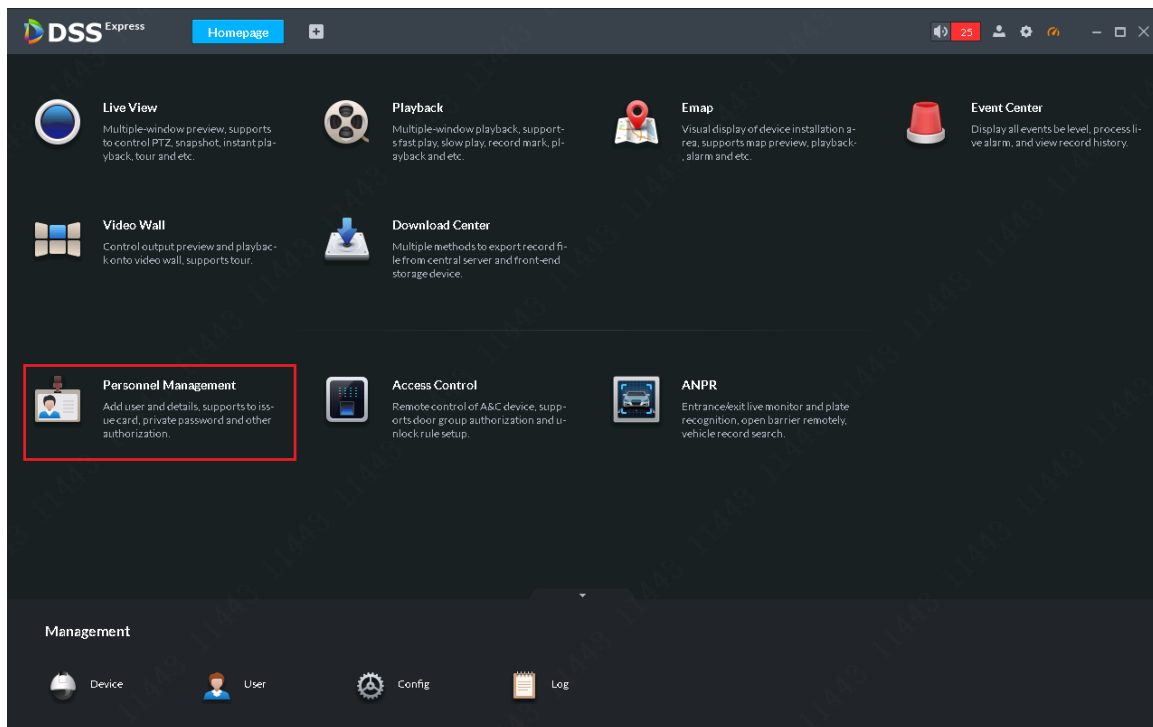



Figure 13-5

Step 2. In User management page, click “Add”button  Add to add user, see Figure 13-5.

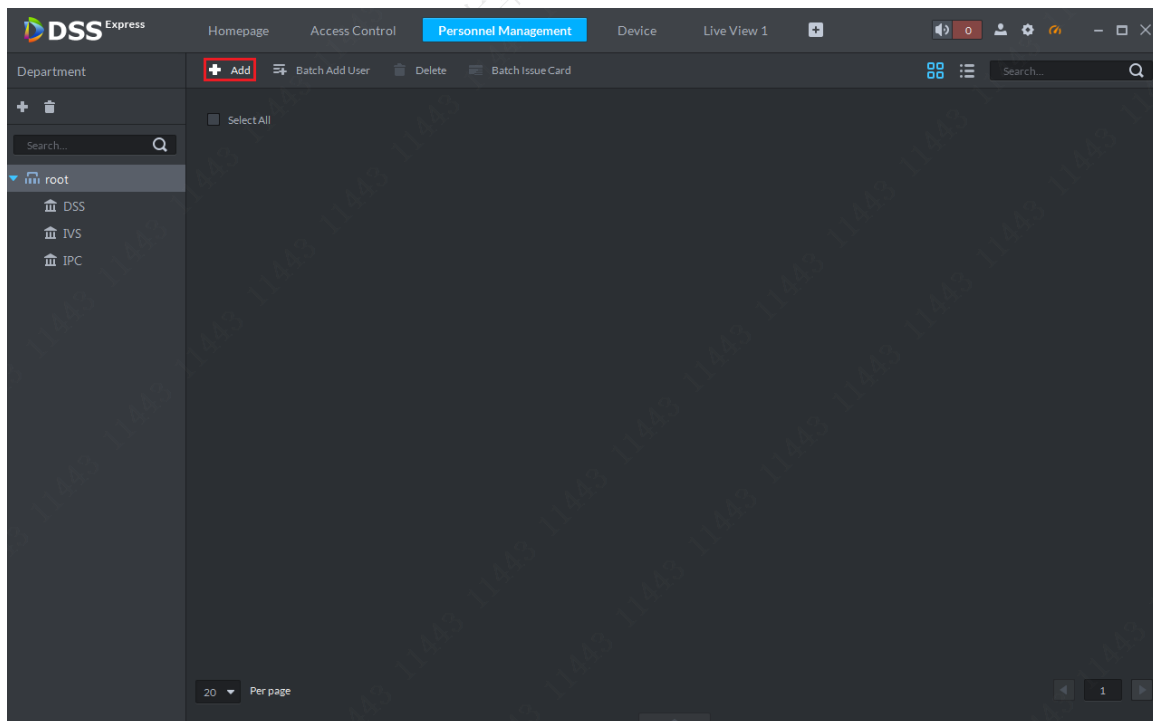


Figure 13-6

Step 3. In system pop-up, fill in user info and please be noted user ID is mandatory. After you complete filling, please switch to “Authentication “to set authentication.

Figure 13-7

Step 4. Click **Authentication** page to enter authentication setting. Here you can set password, add card no., collect fingerprint and etc.

Figure 13-8

Step 5. For password setting, click “Change” button **Change**, see Figure 13-9.

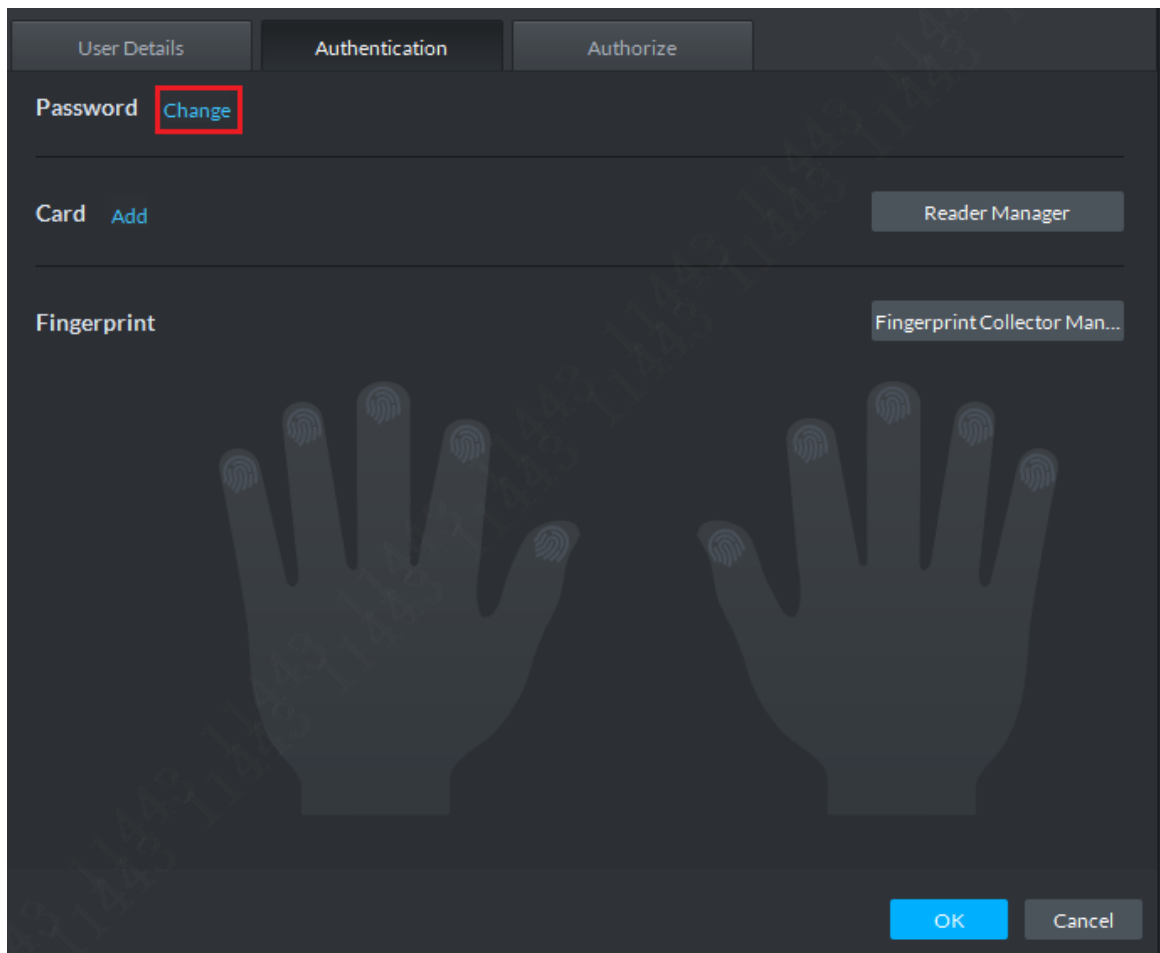


Figure 13-9

Step 6. In the Figure 13-10, enter password of this user, click “OK”button.

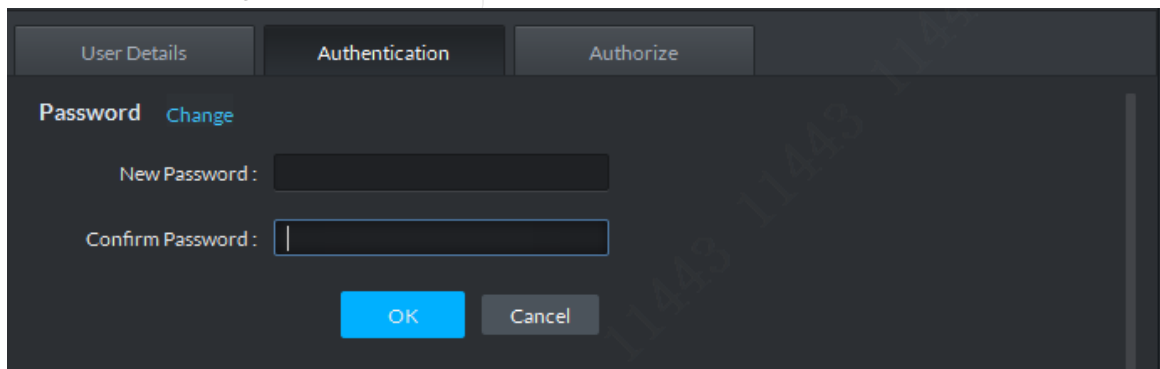


Figure 13-10

Step 7. After you set password, click “Add “button to add card no., and in this page, enter card no. of this user, click “OK” button to add card. You also can add card by reading card on reader of access control device which you must click **Reader Manager** button and select read card first.

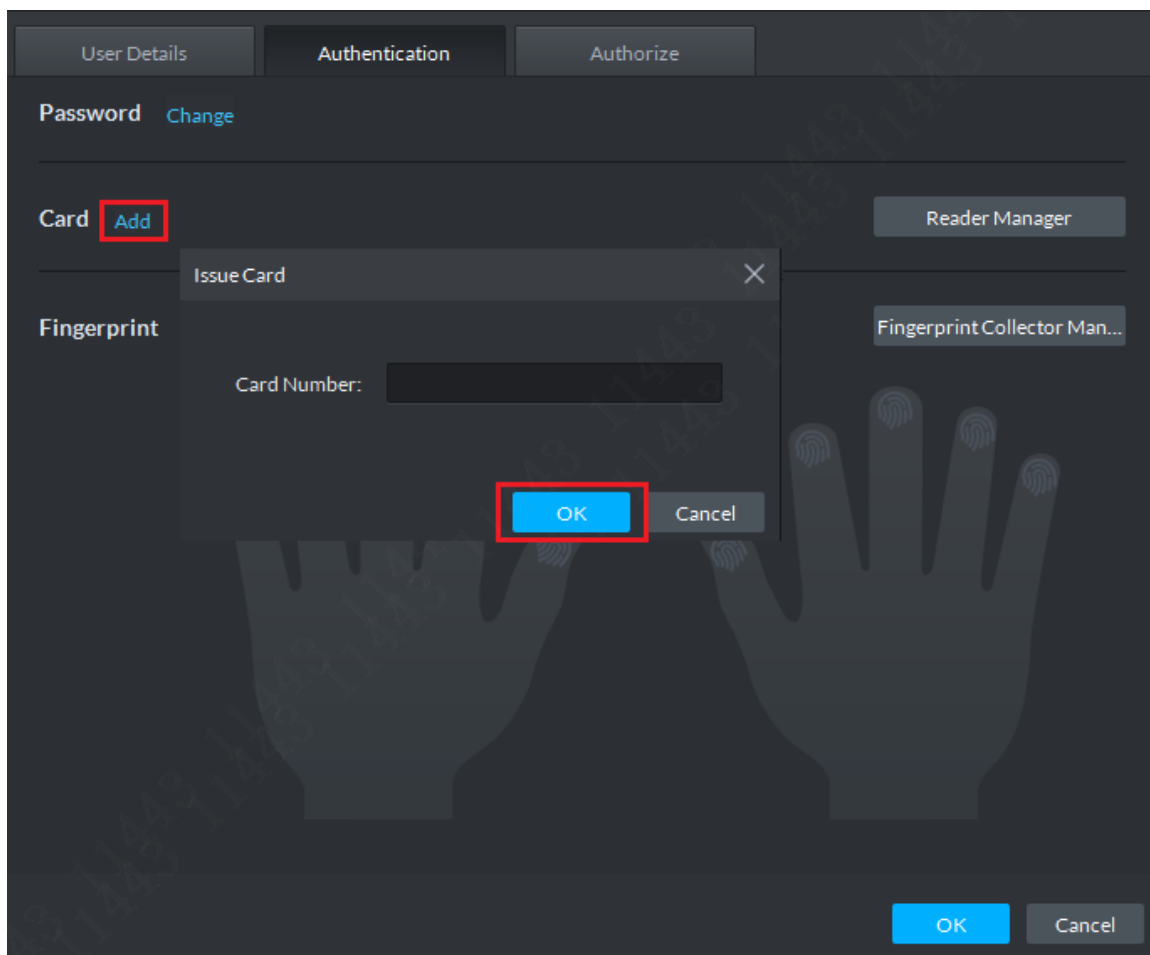


Figure 13-11

Step 8. After you add card, see Figure 13-12. To collect fingerprint, refer to step 9.

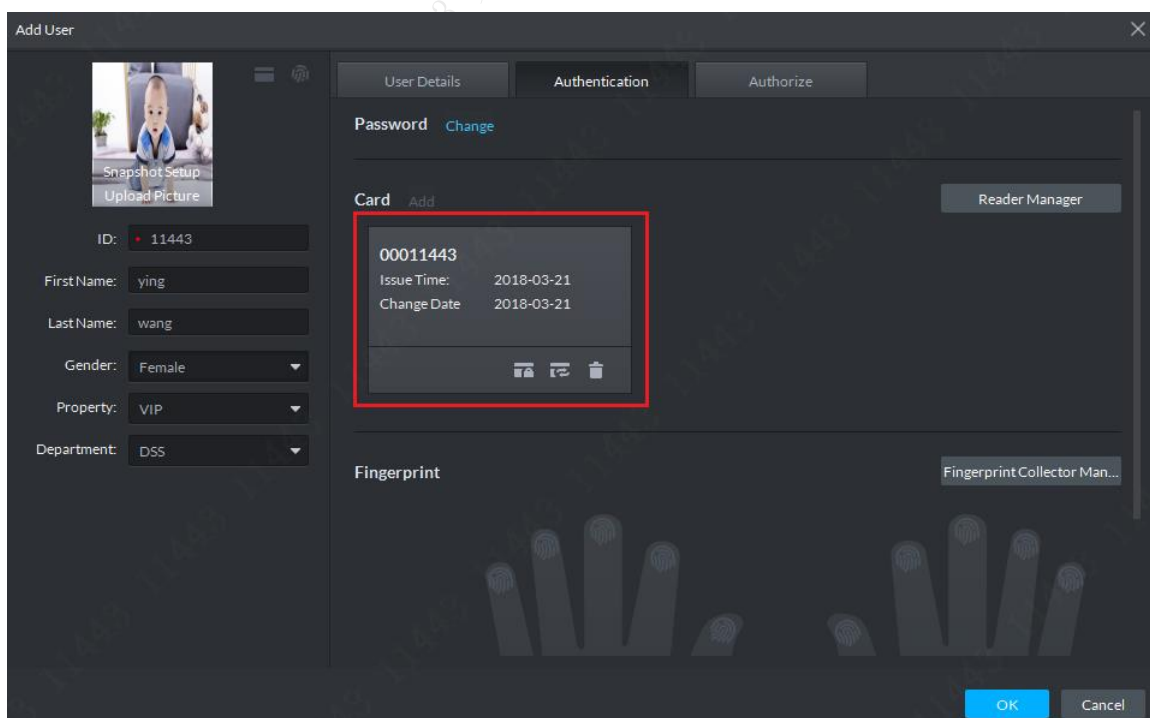


Figure 13-12

Step 9. Collect fingerprint, you must specify access control channel, and click collect fingerprint button **Fingerprint Collector Man...** to select reader of access control channel. See

Figure 13-13.

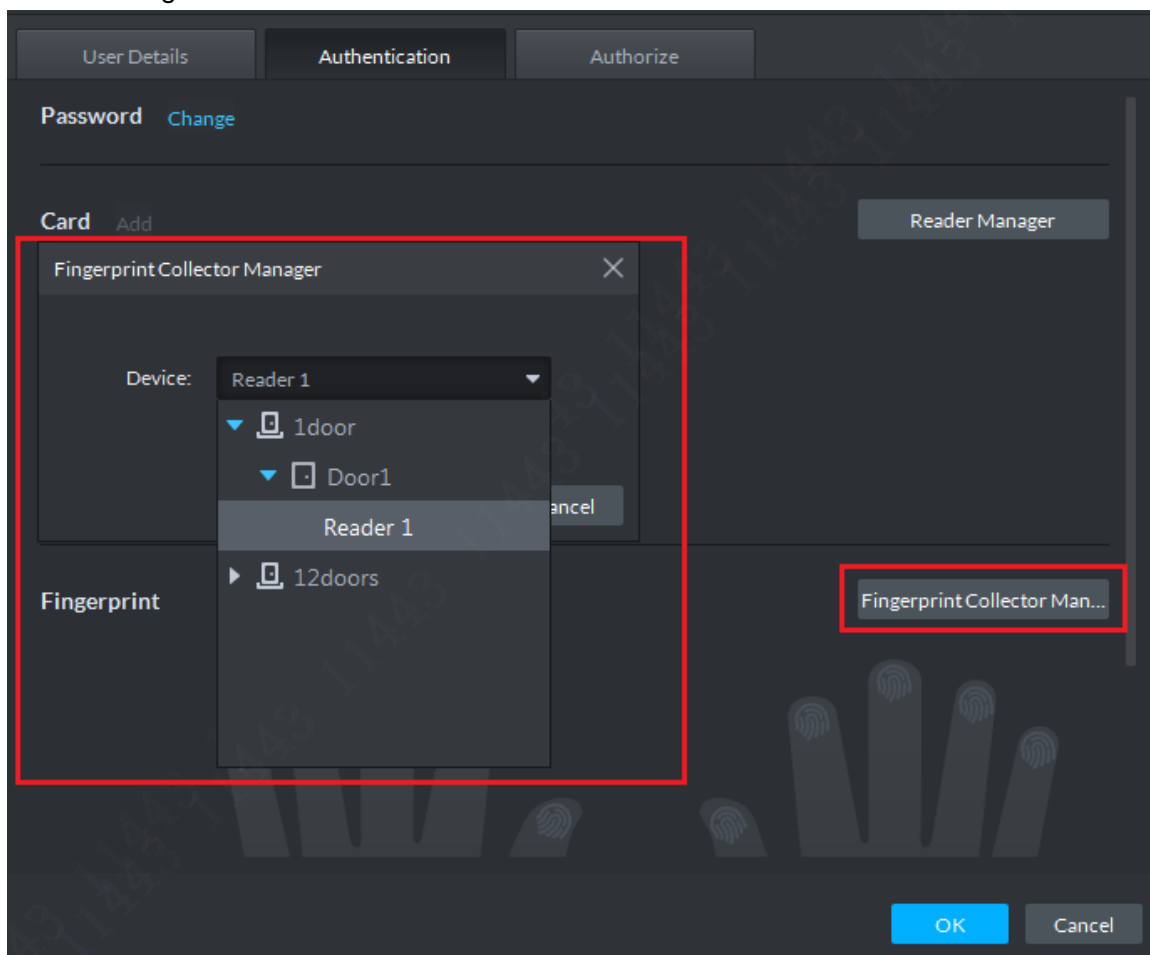


Figure 13-13

Step 10. After access control reader is selected, you shall manually select finger. Select a specific finger via mouse, such as middle finger of left hand.

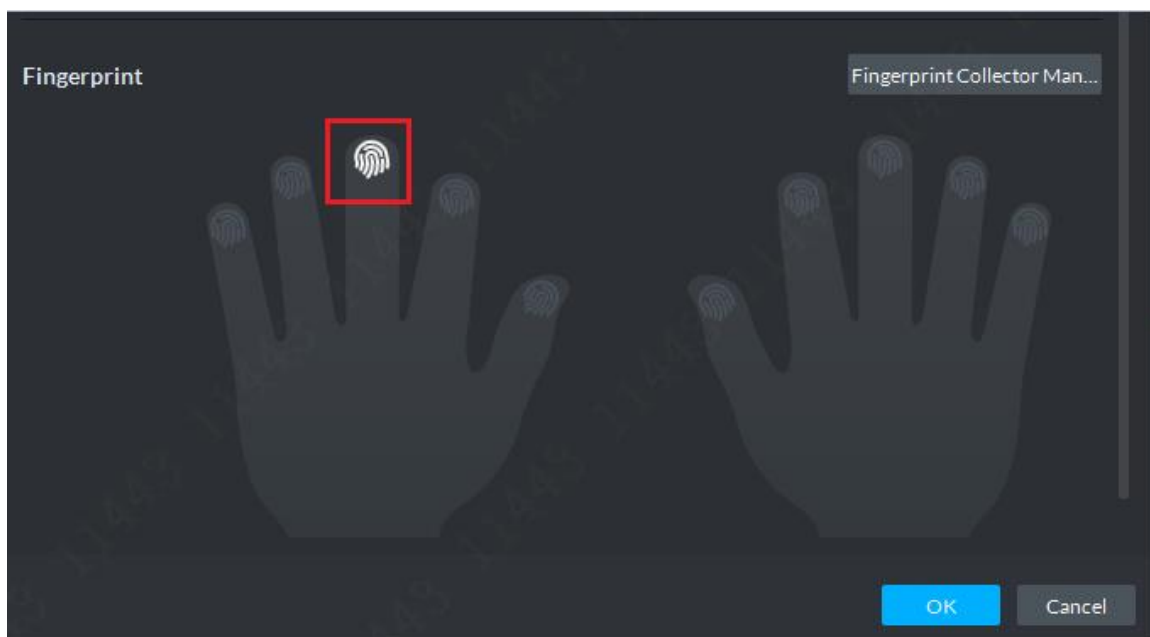


Figure 13-14

Step 11. After you select finger, as shown in system prompt, click add fingerprint button **Add Fingerprints** and place your corresponding finger on reader you selected,

remember to record three times (other fingers could be recorded as well). When you hear a beep, rise your finger and place down again until three times of recording are complete. You will receive a notice informing you all of three times of recordings are done and Client fingerprint status will change. See Figure 13-15 to Figure 13-16.

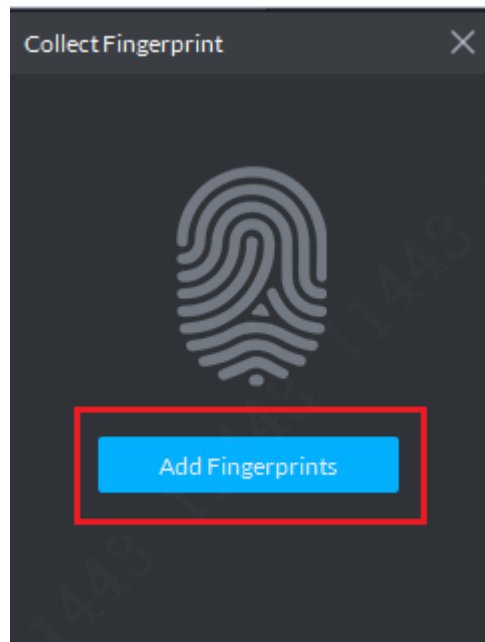


Figure 13-15

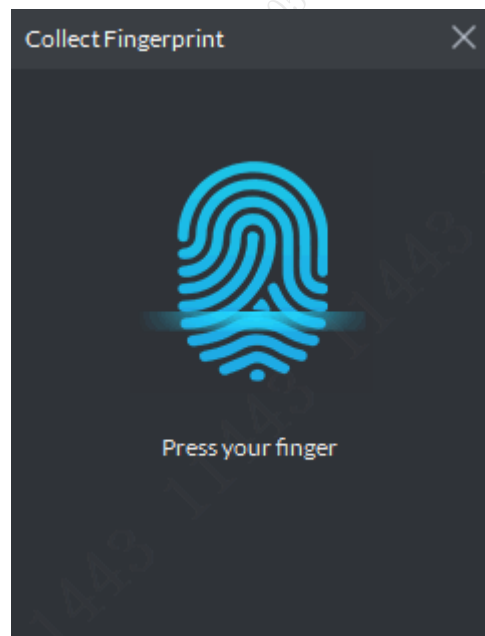


Figure 13-16



Figure 13-17

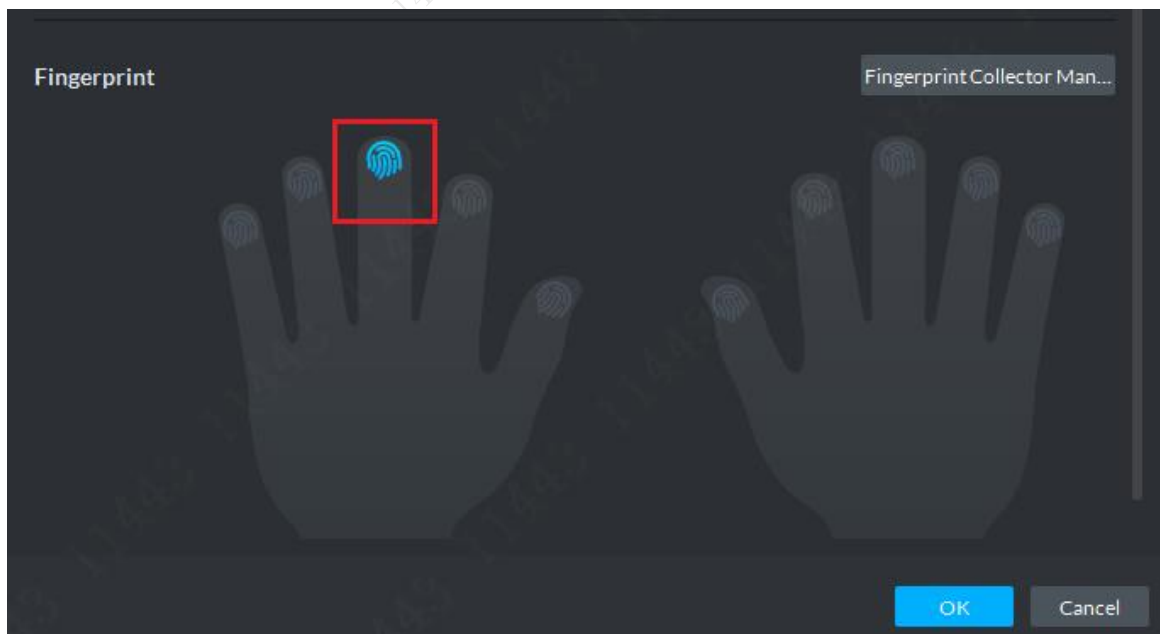


Figure 13-18

Step 12. After fingerprint recording is complete, click “Authorize” button **Authorize** to authorize access control channel, and you can select set door group in channel, see

Figure 13-19

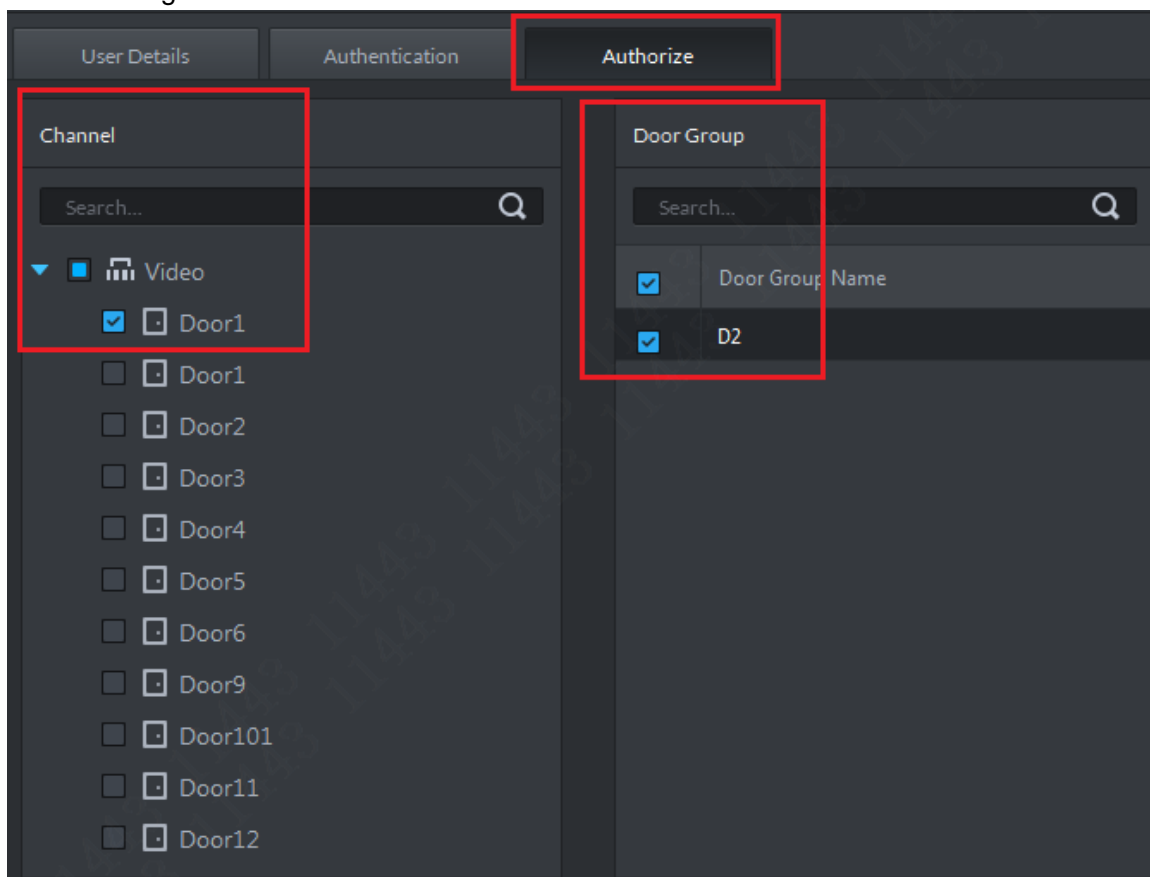


Figure 13-19

Step 13. Access channel is selected, then click “OK” in add user page, see user list below. If there is authorized fingerprint and card, then icon will be blue.

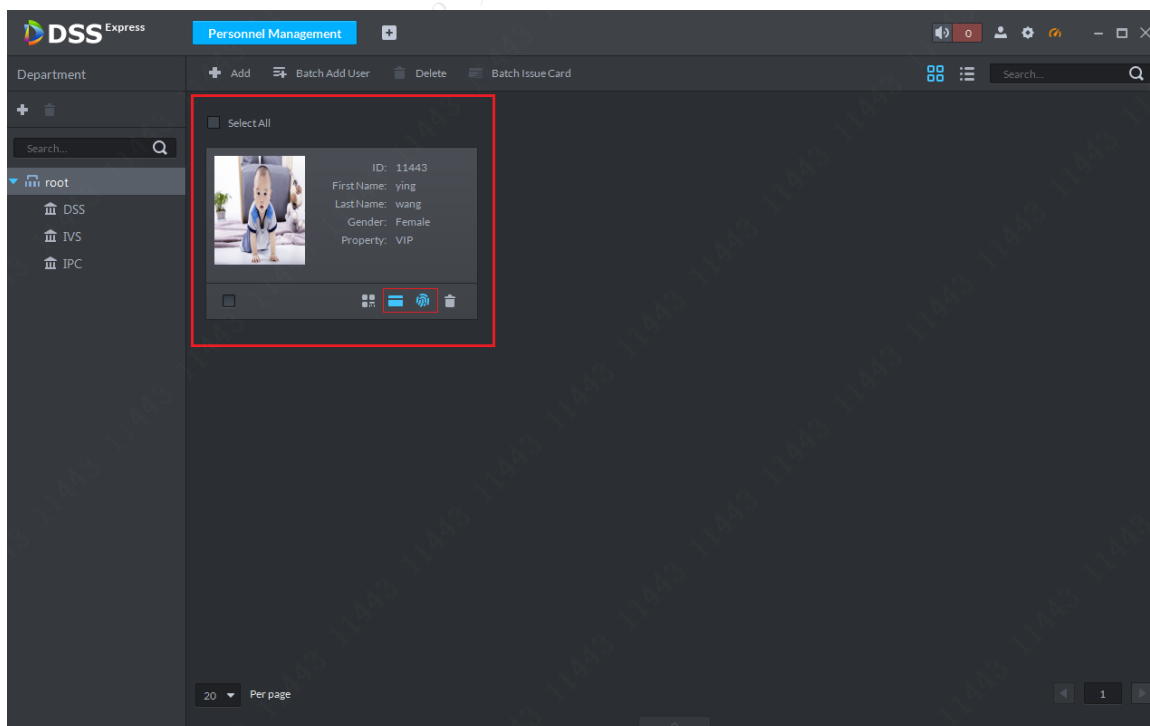


Figure 13-20

13.1.3 Batch Add

When you batch add, you can authorize card, but you cannot batch authorize password or fingerprint. If you need, you can edit user right one by one.

Step 4. In Client homepage, click “Personnel Management “to enter user management module, see Figure 13-21.

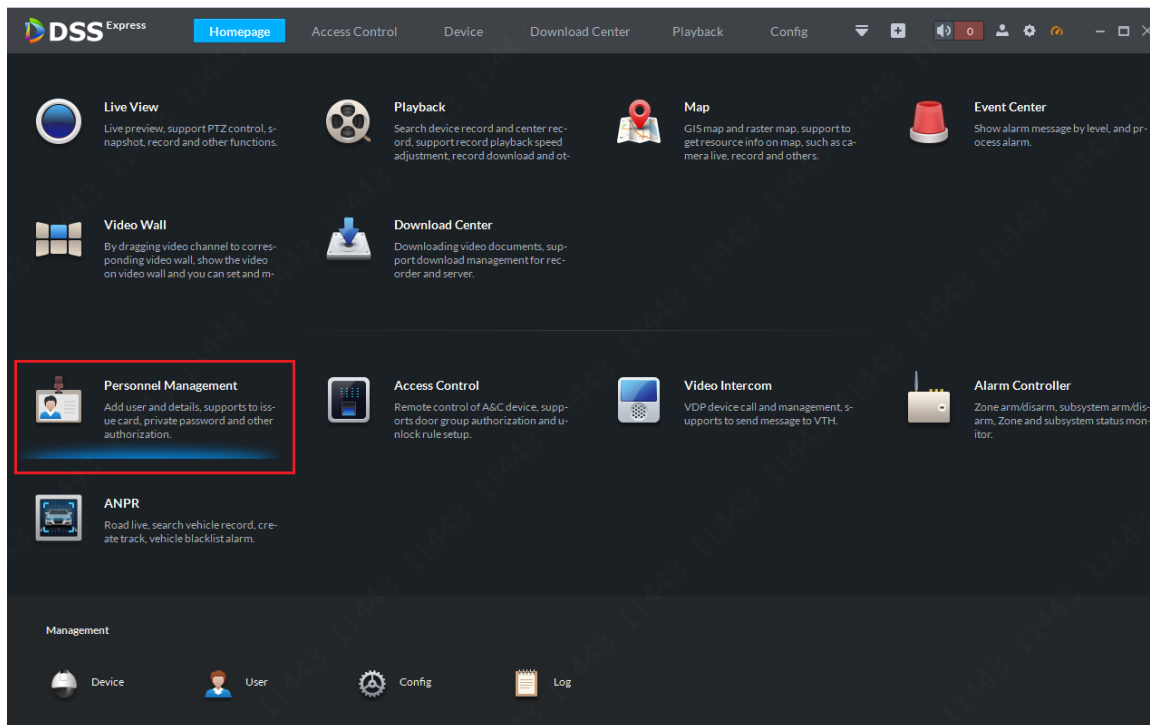


Figure 13-21

Step 5. In system pop-up page, click **Batch Add User** button to batch add new user.

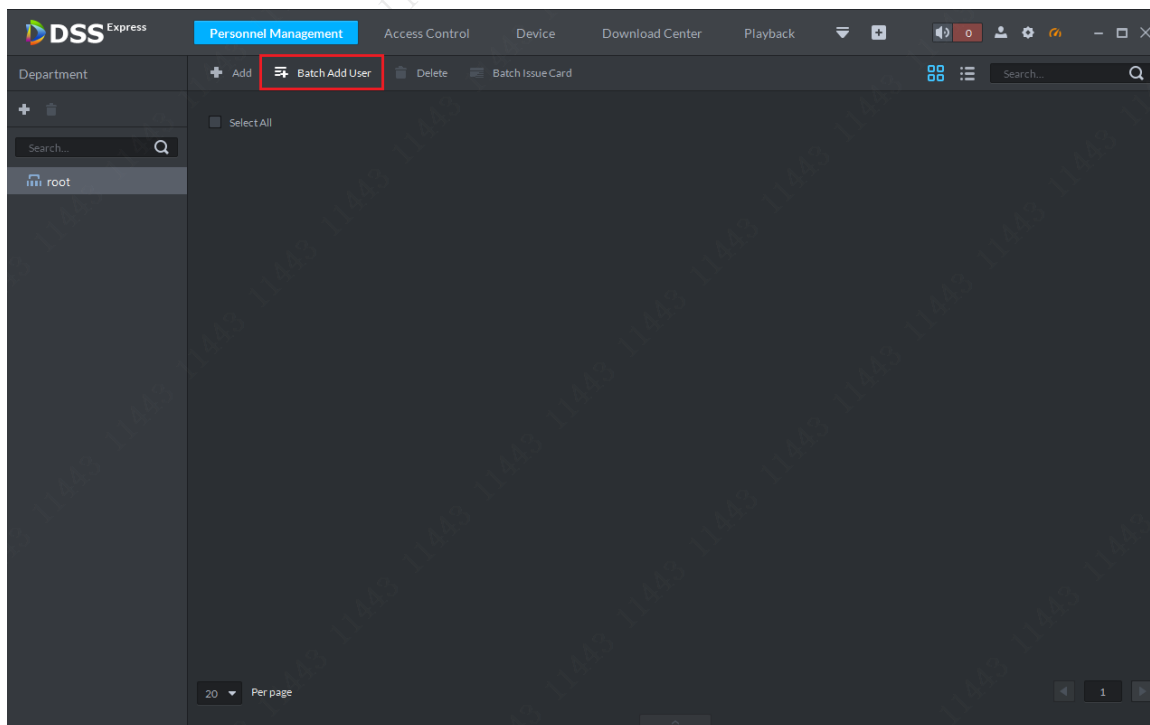


Figure 13-22

Step 6. In system prompt page, enter user start ID and batch user quantity see Figure 13-23.

When you complete filling, click “Next” button to enter batch issue card page. If you do not have card info, you can click “Save and Exit” [Save and Exit](#) button to save user info and exit.

Batch Add User

1. Add user 2. Batch issue card 3. Batch authorize

Card Number: 0022360 [Issue Card](#)

Validity Time: 2018-03-21 00:00:00 Expiration: 2028-03-21 23:59:59

User ID	Card No.	Department	Operation
11000		root	
11001		root	
11002		root	
11003		root	
11004		root	
11005		root	
11006		root	
11007		root	

Previous St... Next Save and Exit

Figure 13-23

Step 7. Enter batch issue card page, see Figure 13-24. Enter user card no. and click “Issue Card” [Issue Card](#) button to complete card issuing. Then you can enter next card no. until you have added all card no.

Batch Add User

1. Add user 2. Batch issue card 3. Batch authorize

Card Number: Retrun and insert card number [Issue Card](#)

Validity Time: 2018-03-21 00:00:00 Expiration: 2028-03-31 23:59:59

User ID	Card No.	Department	Operation
11001	00022361	root	
11002	00022362	root	
11003	00022363	root	
11004	00022364	root	
11005	00022365	root	
11006	00022366	root	
11007	00022367	root	

Previous St... Next Save and Exit

Figure 13-24

Step 8. After card no. are filled in, please select validity time and expiration, then click “Next” to enter.

Batch Add User

1. Add user 2. Batch issue card 3. Batch authorize

Card Number: Retrun and insert card number Issue Card

Validity Time: 2018-03-21 00:00:00 Expiration: 2028-03-31 23:59:59

Choose

User ID	Card No.	Department	Operation
11001	00022361	root	
11002	00022362	root	
11003	00022363	root	
11004	00022364	root	
11005	00022365	root	
11006	00022366	root	
11007	00022367	root	

Previous St... Next Save and Exit

Figure 13-25

Step 9. Enter batch authorize setup, you can select channel or door group with authorized access control, see Figure 13-26, Click “Finish” button to complete adding and setup.

Batch Add User

1. Add user 2. Batch issue card 3. Batch authorize

Channel

Search...

- ☒ Video
 - ☒ Door1
 - ☐ Door1
 - ☐ Door2
 - ☐ Door3
 - ☐ Door4
 - ☐ Door5
 - ☐ Door6
 - ☐ Door9
 - ☐ Door101

Door Group

Search...

- ☒ Door Group Name
- ☒ D2

Previous St... Finish Cancel

Figure 13-26

Step 10. After you add, user list is in Figure 13-27. Click button to delete user.

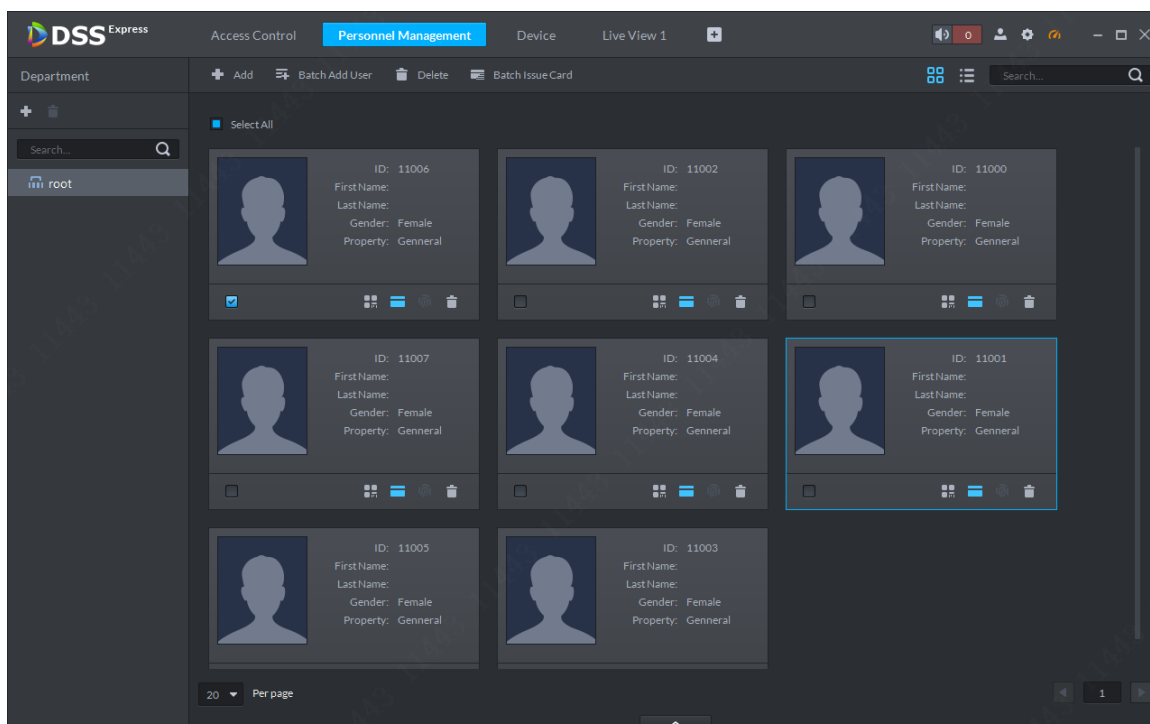



Figure 13-27

Step 11. If you want to edit user info, you can click  at bottom to show user info and edit info. See Figure 13-28. You can upload or change user photo, complete user basic info, update user authorization method (Batch add card only, here you can set password and fingerprint), and update access control channel.

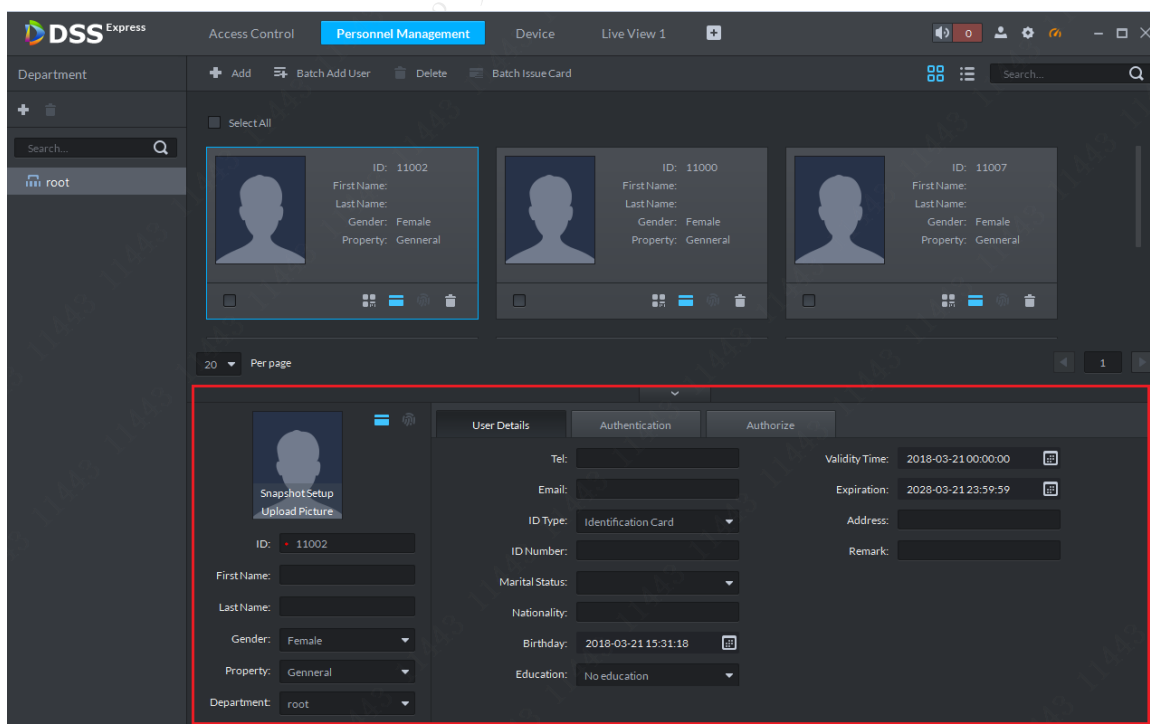



Figure 13-28

Step 12. Edited info will take effective immediately. Click  to refresh user list, see Figure 13-29.

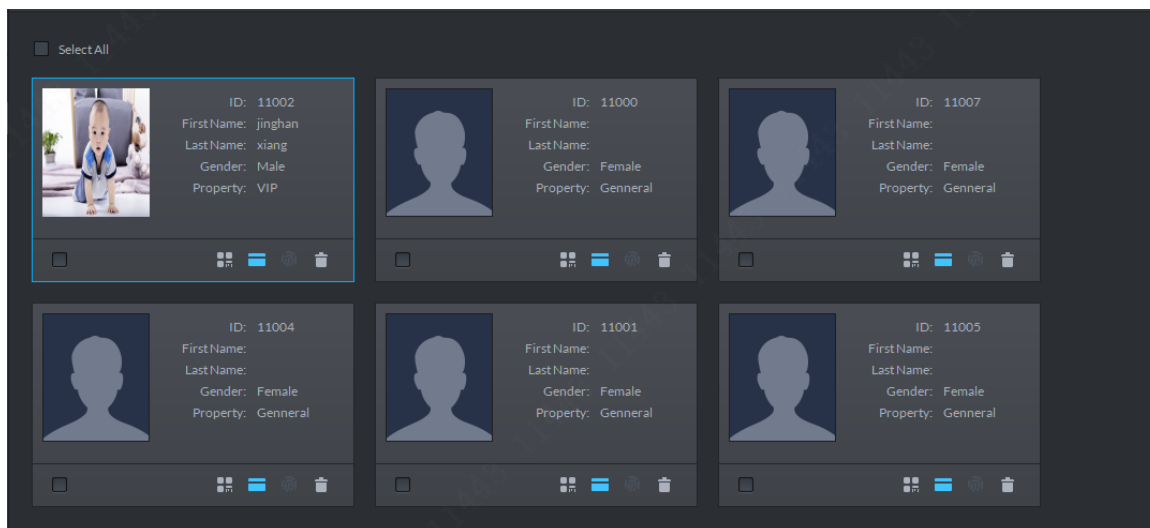


Figure 13-29

13.2 Delete User

It supports delete one/multiple/all users:

Step 1. After you enter user manager module, check user to delete and click Delete.

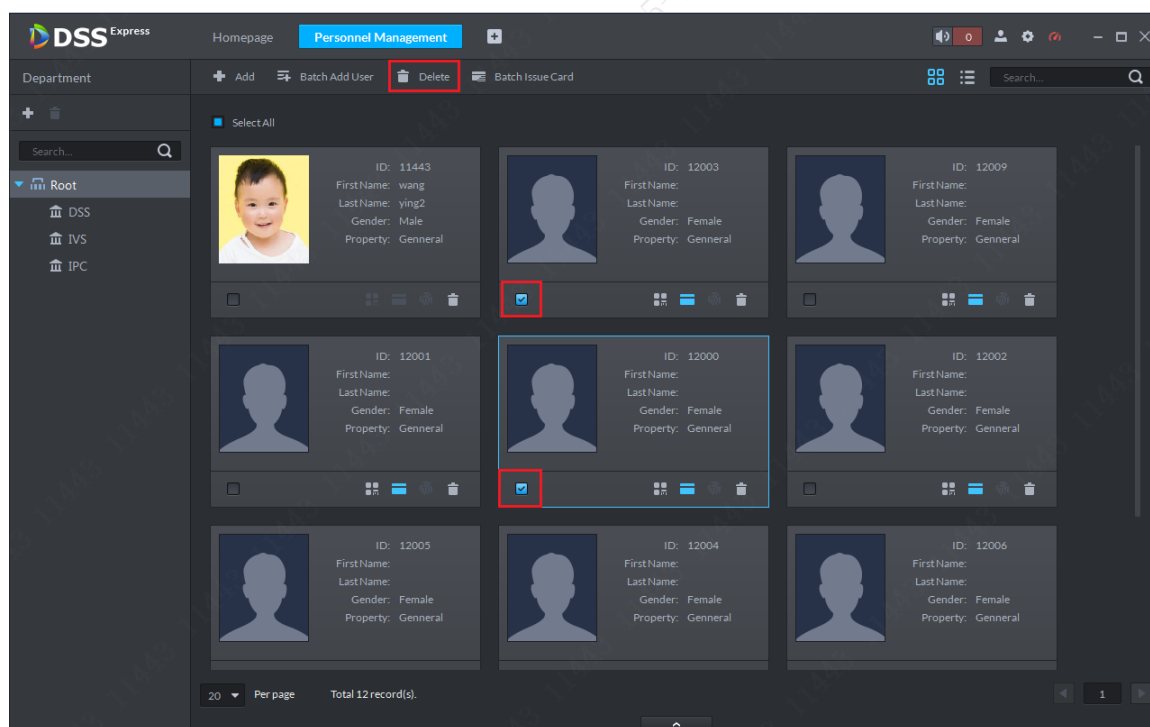


Figure 13-30

Step 2. In pop-up box, click OK to delete.

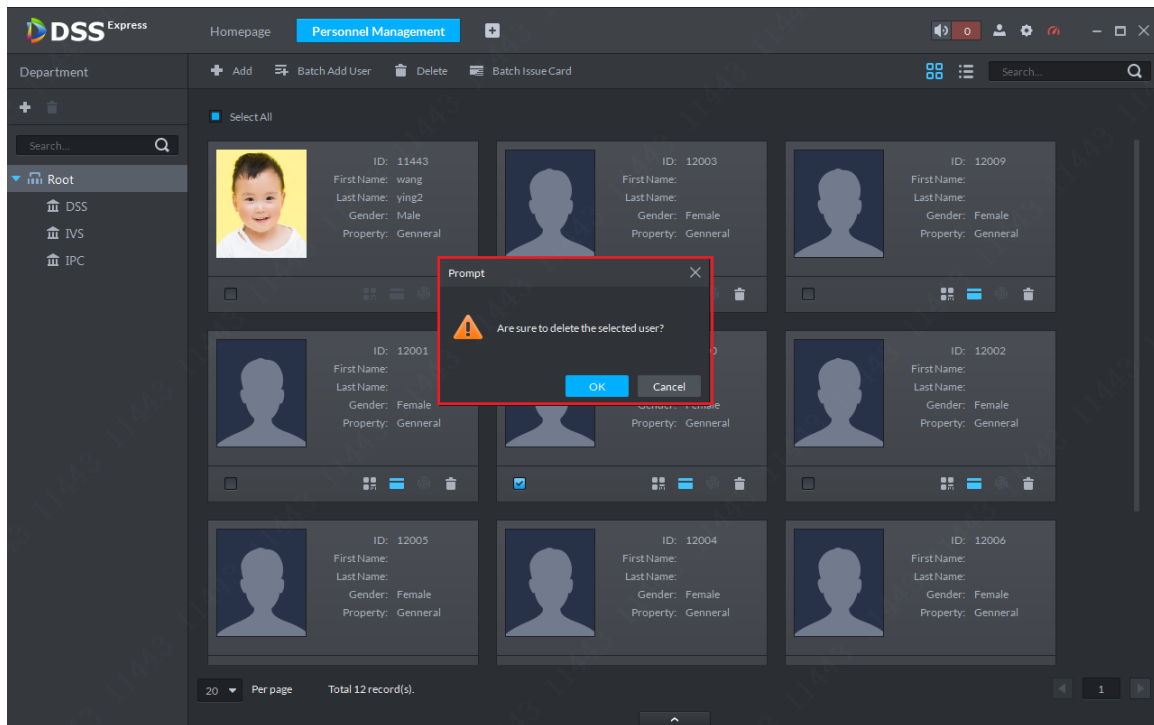


Figure 13-31

Step 3. After you delete it, you can search see if you successfully delete it.

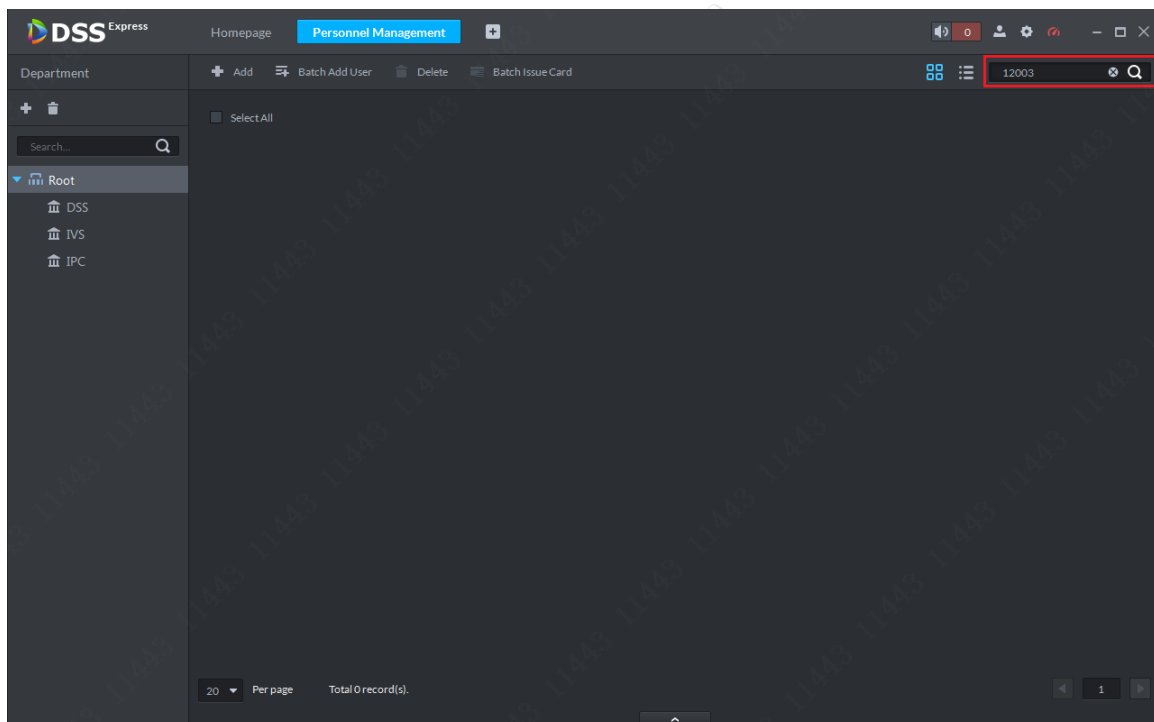


Figure 13-32

13.3 Batch Issue Card

It supports to issue card as batch.

Step 1. Enter user manager module, check users you want to issue card, and click Batch Issue Card button.

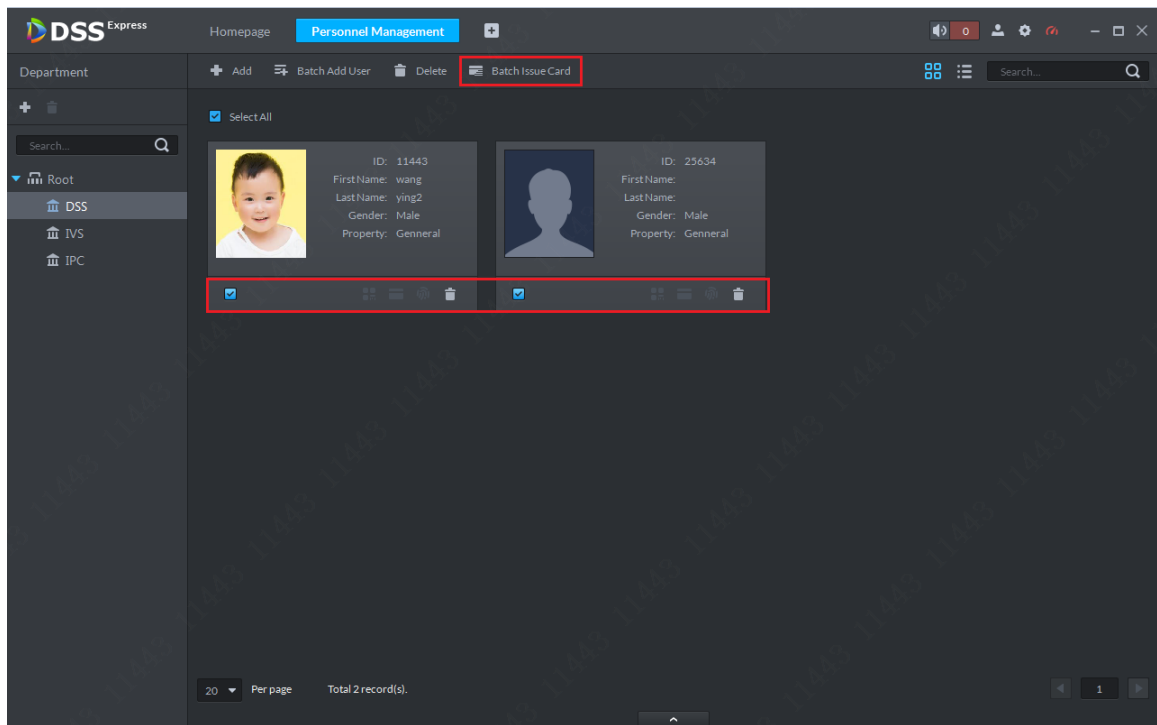


Figure 13-33

Step 2. In this page, enter card no. (or swipe card at reader), and then click Issue Card button to issue card.

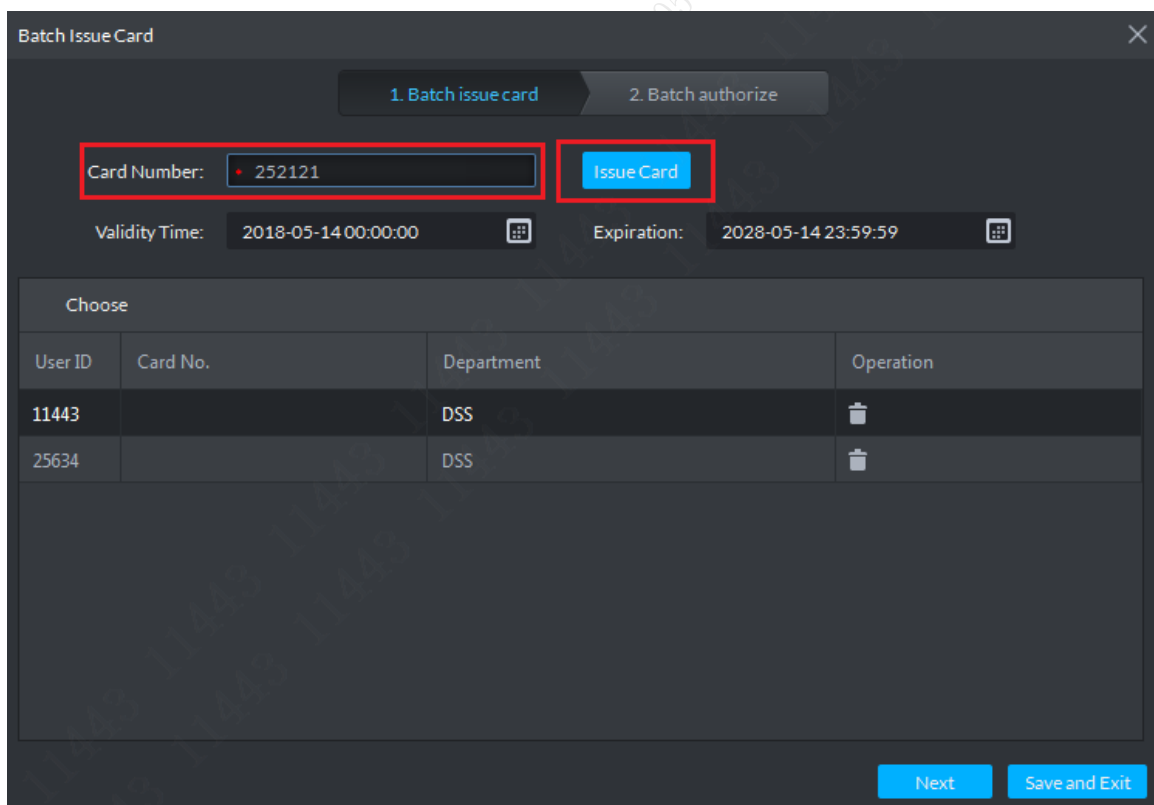


Figure 13-34

Step 3. Issue card to all designated users, so these users do not need authorization of access control channels. Click Save and Exit.

Batch Issue Card

1. Batch issue card 2. Batch authorize

Card Number: **Issue Card**

Validity Time: 2018-05-14 00:00:00 Expiration: 2028-05-14 23:59:59

User ID	Card No.	Department	Operation
11443	00252121	DSS	
25634	04641311	DSS	

Next **Save and Exit**

Figure 13-35

Step 4. If you want to authorize user with access control right, please click Next button to enter next step. In access control channel page, select channel or set access control group, and then click Finish button.

Batch Issue Card

1. Batch issue card **2. Batch authorize**

Channel

Search...

- Root
 - AC
 - 2204C-H
 - ASC1202C-D
 - ☒ channel1_3
 - ☐ channel2_3
 - 172.22.152.7
 - ☒ channel1_7
 - ☐ channel2_7
 - 172.22.156.5

Door Group

Search...

	Door Group Name
<input type="checkbox"/>	1
<input type="checkbox"/>	2
<input type="checkbox"/>	离线门组
<input checked="" type="checkbox"/>	niesha

Previous Step **Finish** **Cancel**

Figure 13-36

14 Access Control

14.1 Add Access Control Device

Log in DSS Express Client, and in management bar, enter device management module, you can add, edit and delete access controller, steps:

Step 1. In Express Client homepage find management bar, click “Device” module to enter device management, see Figure 14-1.

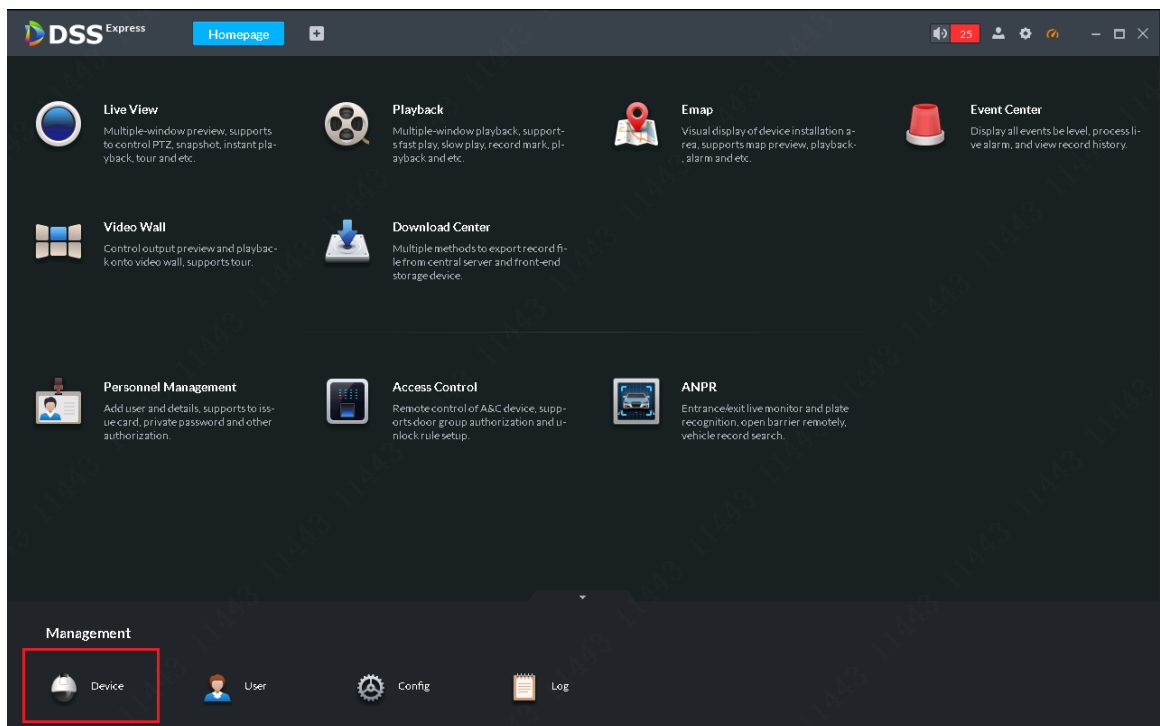


Figure 14-1

Step 8. Device management page shown, click “Add” button to add device manually.

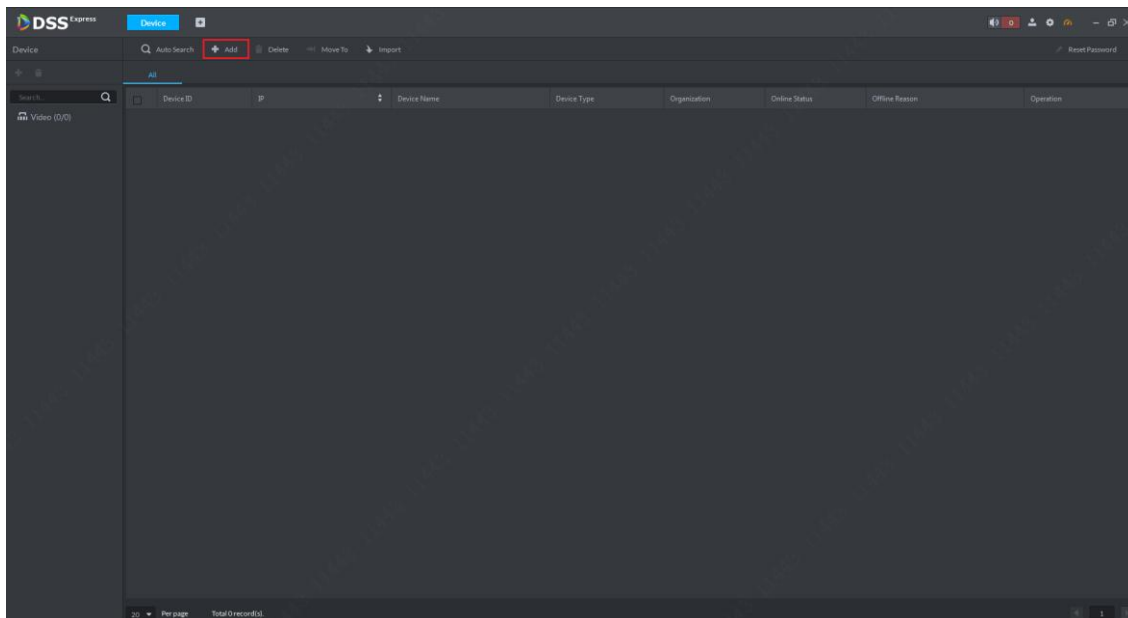
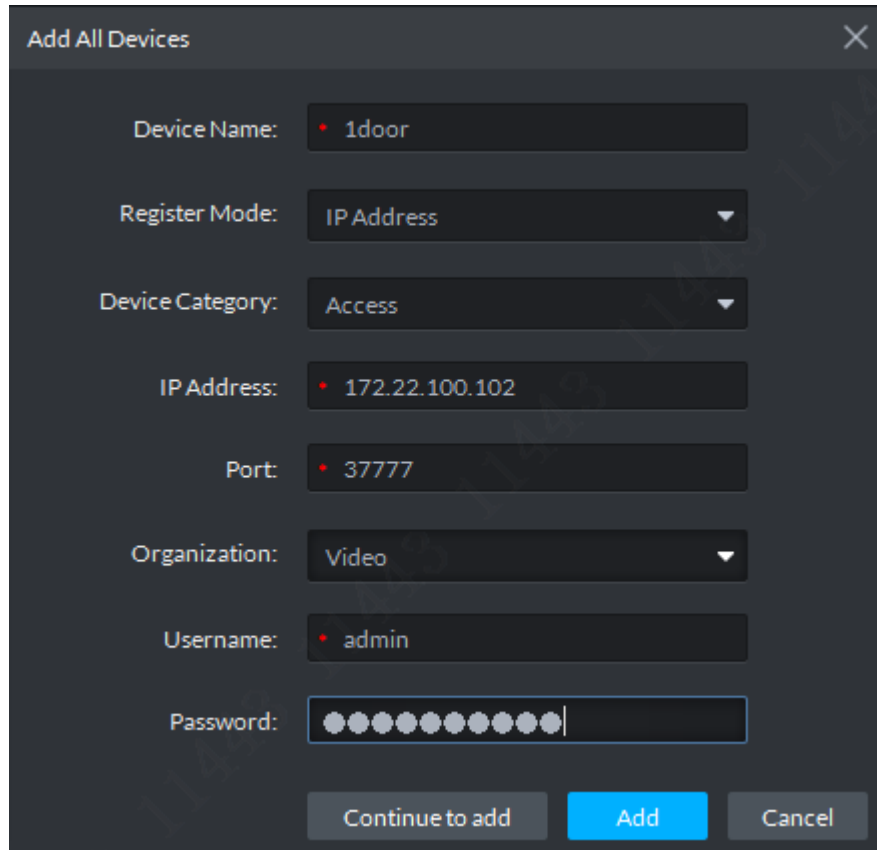


Figure 14-2

Step 9. See Figure 14-3. First select device register mode to be IP Address, and set device category to be “Access”.

Figure 14-3

Step 10. According to page requirement, fill in device info, including: device name, IP address, port no. (default is 37777), username and password. If you have not created organization node and device is under root node Video 下, see Figure 14-4. Confirm info and click “Add” button to add.



The 'Add All Devices' dialog box contains the following fields:

- Device Name: 1door
- Register Mode: IP Address
- Device Category: Access
- IP Address: 172.22.100.102
- Port: 37777
- Organization: Video
- Username: admin
- Password: (masked with dots)

Buttons at the bottom: Continue to add, Add, Cancel.

Figure 14-4

Step 11. Access control device is shown below. If device network communication is normal, server will auto get device type and channel info.

Auto Search							
Encoder							
ACCESS							
Device ID	IP	Device Name	Device Type	Organization	Online Status	Offline Reason	Operation
1000022	172.22.100.102	1door	Access	Video	Online		✎ ✕
1000023	172.22.100.104	12doors	AccessControl	Video	Online		✎ ✕

Figure 14-5

14.2 Time Template&Holiday Group

14.2.1 Time Template

Step 1. In Client homepage, click “Access Control” to enter access control module. See Figure 14-6 to enter access control module.

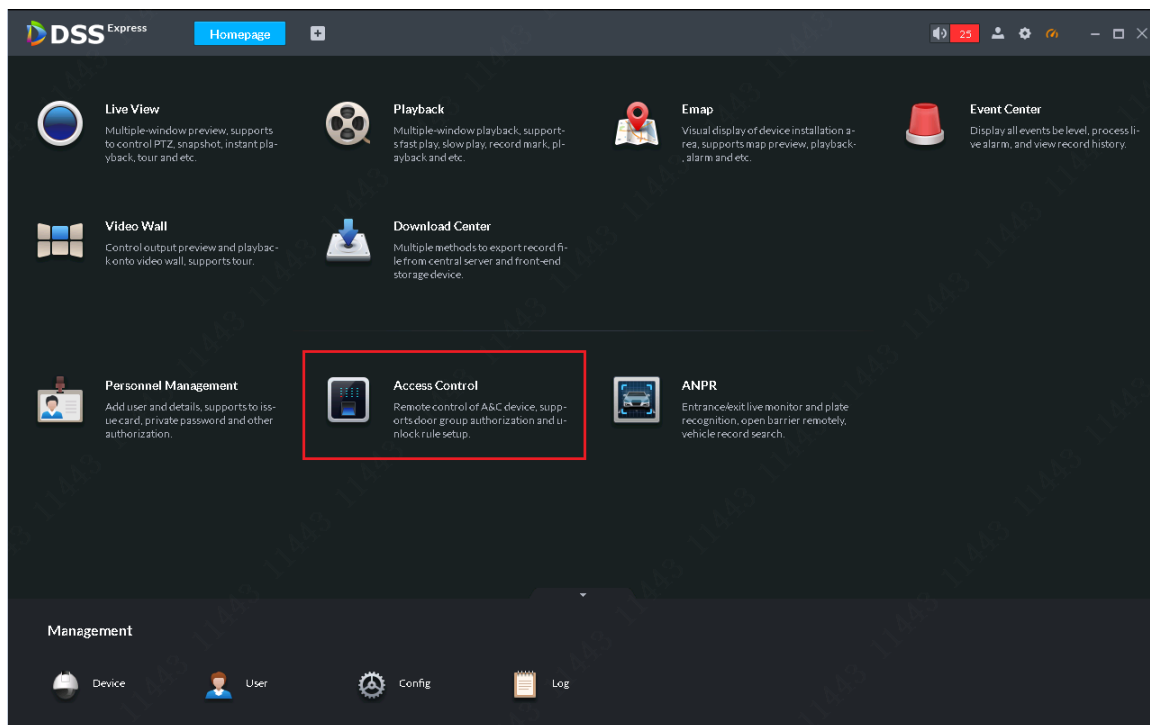




Figure 14-6

Step 2. Select time template tab , and then in the page, click add time template button  **Add Time Template** to add time template.

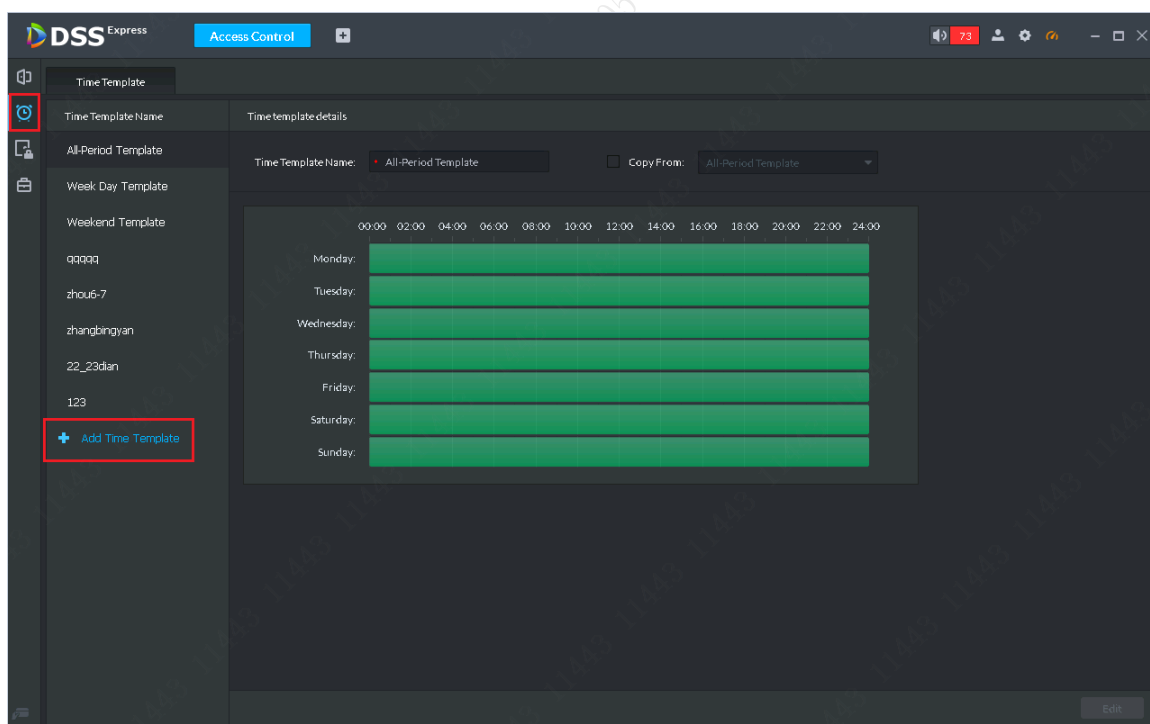


Figure 14-7

Step 3. In time template setup page, enter name. On time axis, draw out period you need, see Figure 14-8. A pen sign is draw button, and eraser sign is clear button. When you are done, click “OK” button to complete.

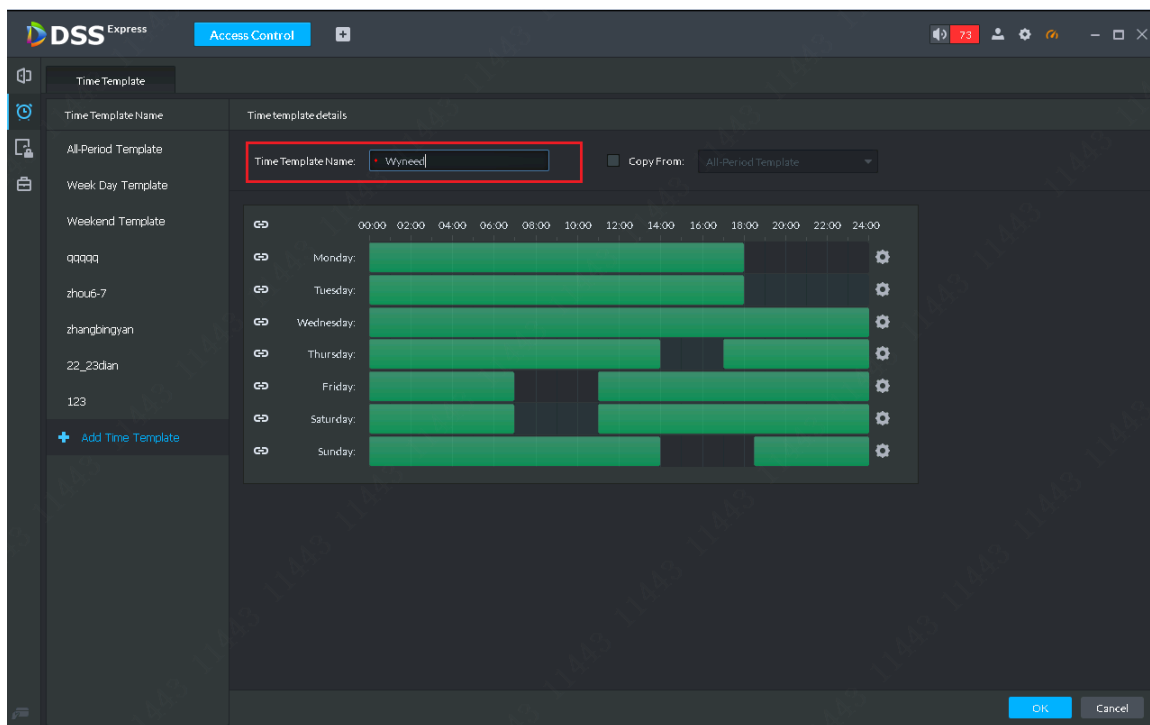


Figure 14-8

Step 4. Time template list update is shown below.

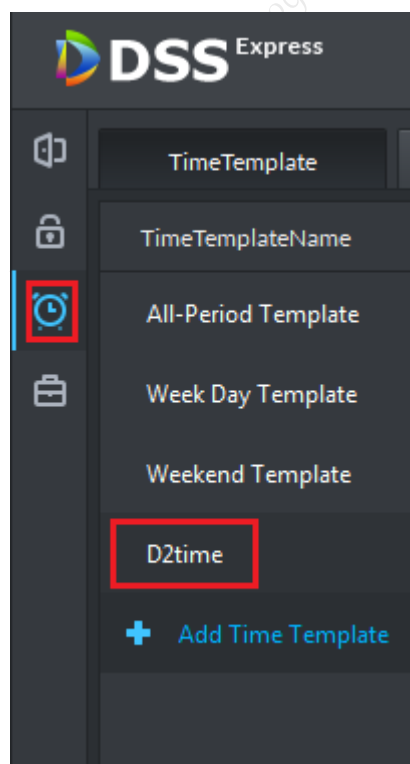


Figure 14-9

14.3 Access Control Console

In console, you can unlock, lock, open video (must set linked channel in door config first) and etc. plus right click to remotely unlock/lock, set door and etc.

14.3.1 Door Config

Door config module can set door channel name.

Step 1. Enter Access Control module console, on the left, select one access control channel and right click mouse. In pop-up menu, select Door Config to enter config page. See Figure 14-10.

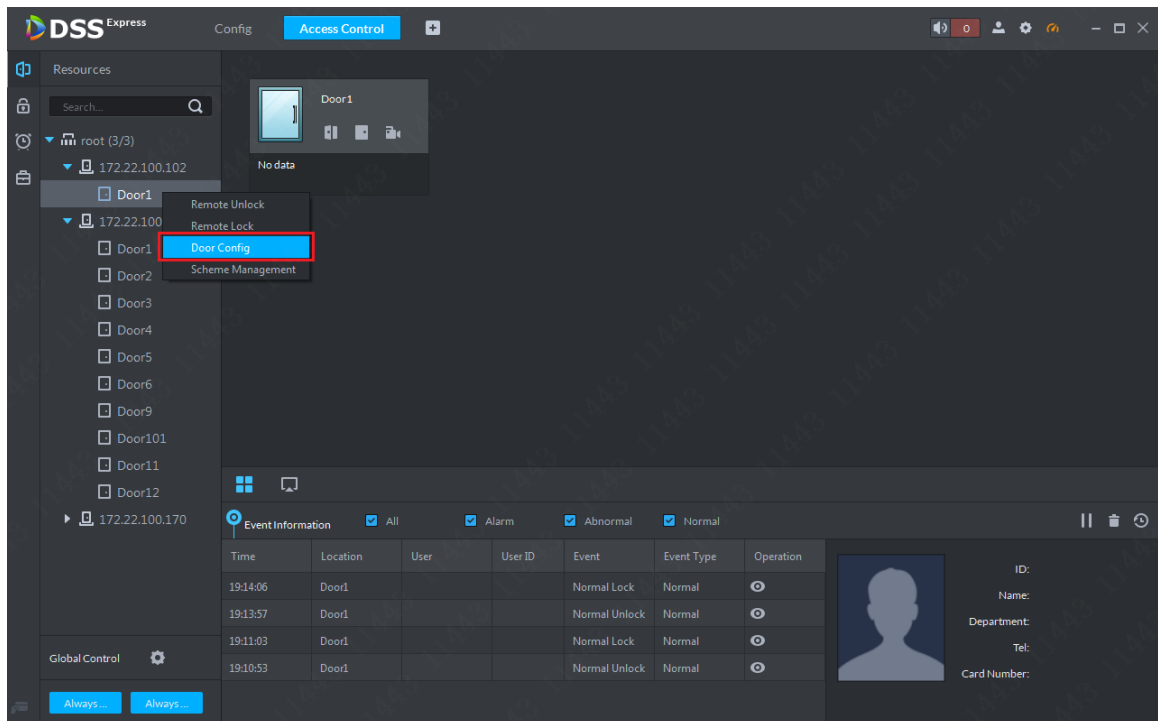


Figure 14-10

Step 2. Access control channel config page is shown in Figure 14-11. Please set parameters accordingly, and click “OK” button to complete setup and enter config homepage.

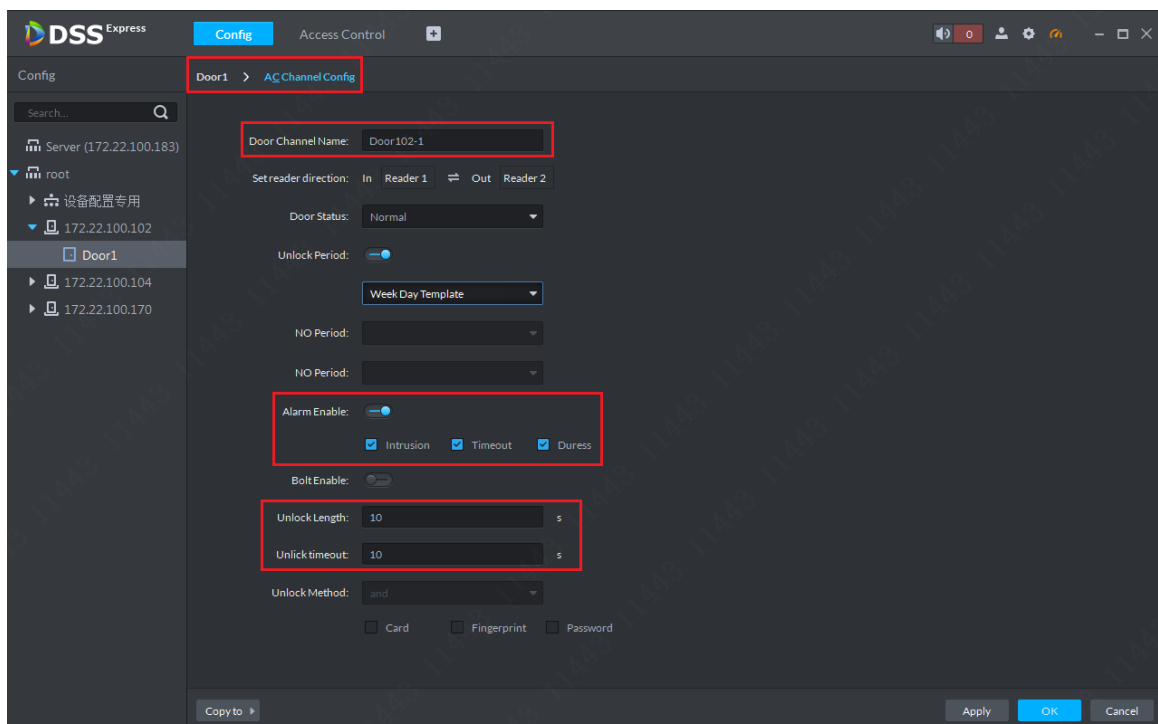


Figure 14-11

Step 3. In config homepage, click Resource Bind to enter video channel bind page. See Figure 14-12.

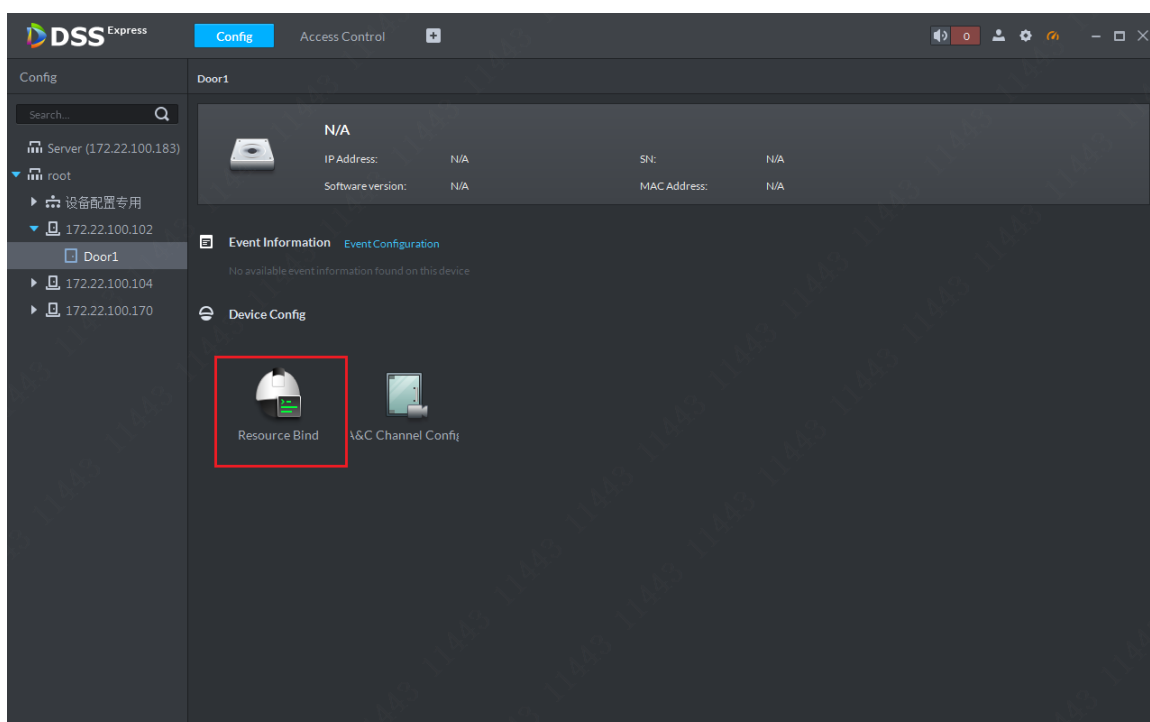


Figure 14-12

Step 4. Video channel bind page is shown, please select video channel and click “OK” button.

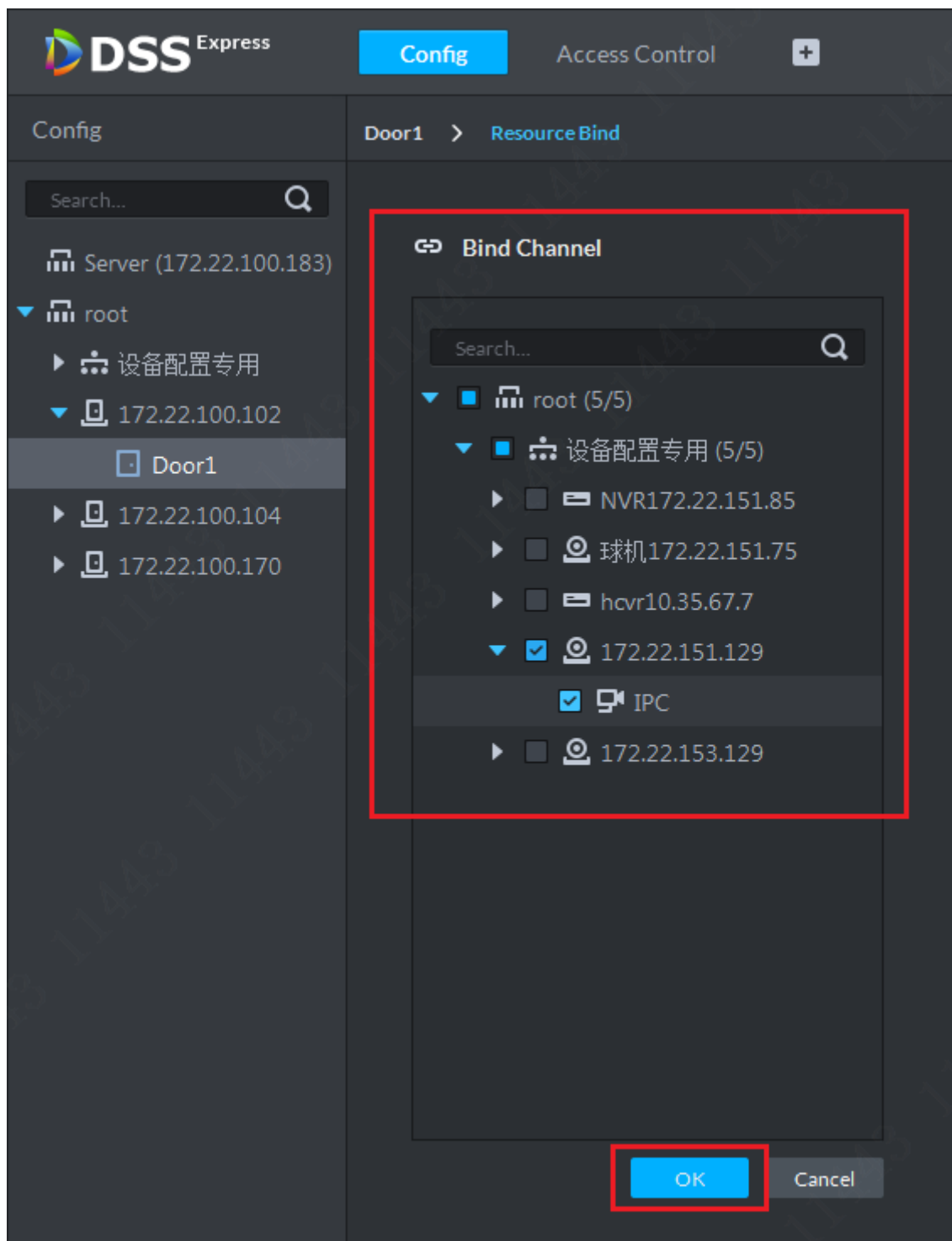



Figure 14-13

14.3.2 Access Control Channel Control

Step 1. Unlock door. Enter access control module console, on the left, select access control channel and then on the right, click unlock button , it will generate corresponding unlock record. See Figure 14-14 and Figure 14-15.

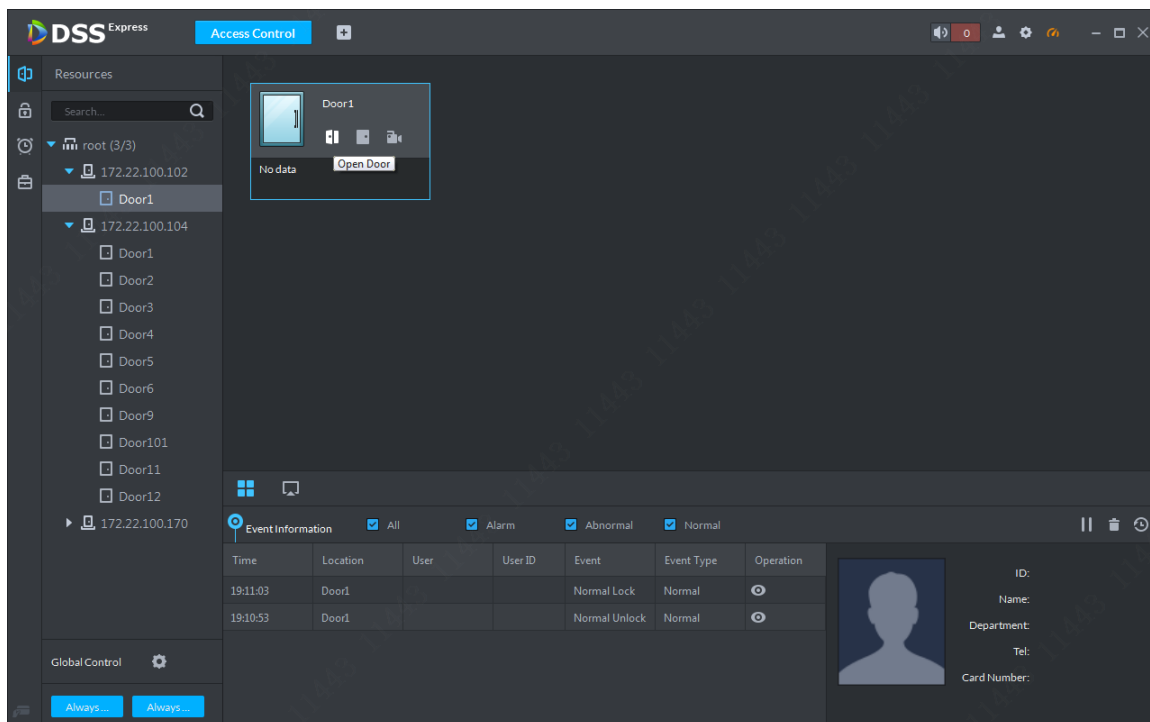


Figure 14-14

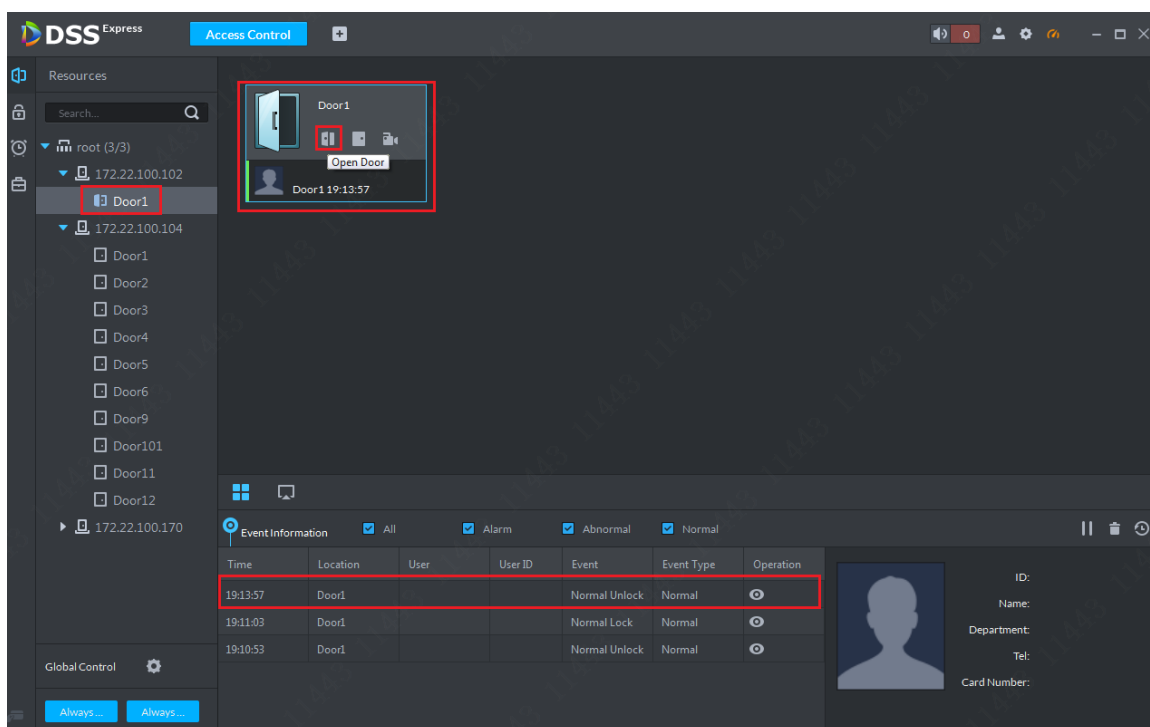


Figure 14-15

Step 2. Within certain time (can be set in door config, default is 5s, here uses 10s), door will auto lock and a record is created in event column. See Figure 14-16.

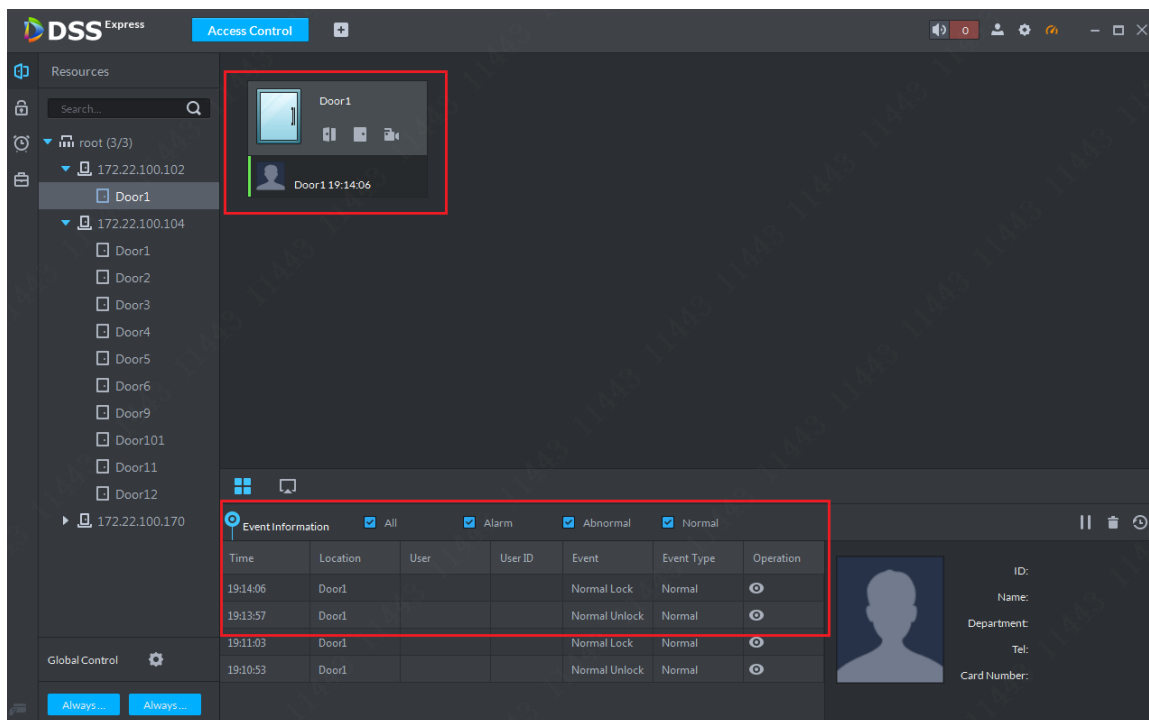



Figure 14-16

Step 3. Lock door. When a door is open, click unlock button  to unlock it. See Figure 14-17.

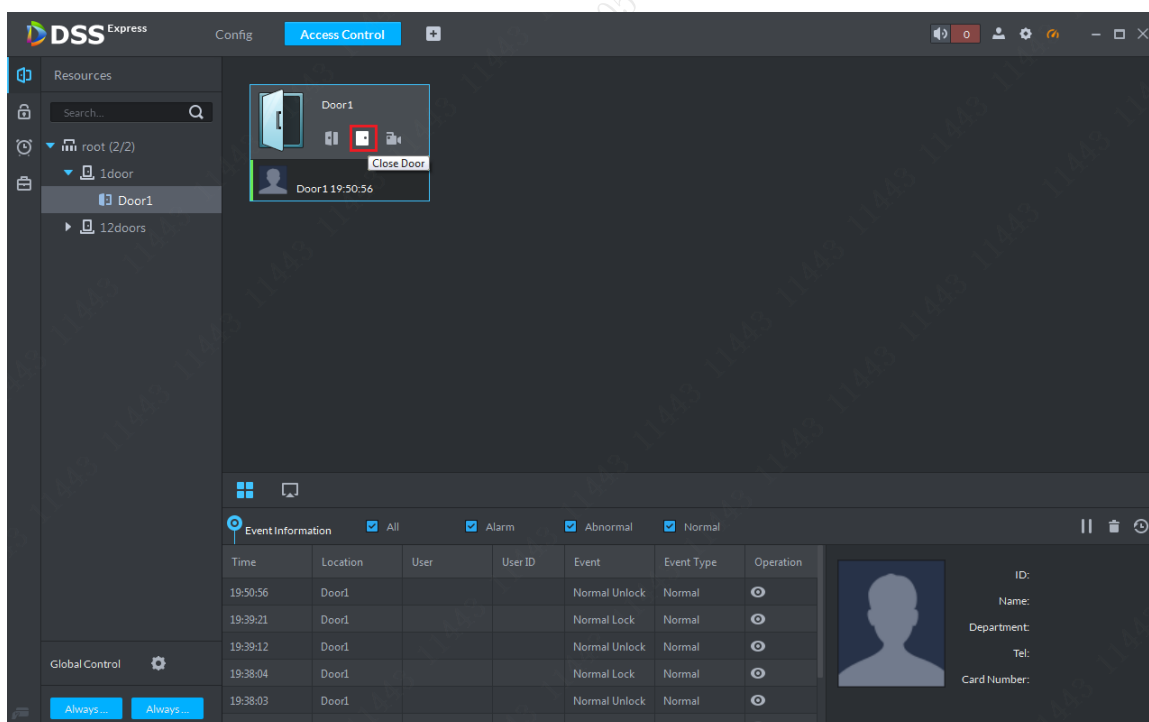


Figure 14-17

Step 4. Unlick effect and event record is in Figure 14-18.

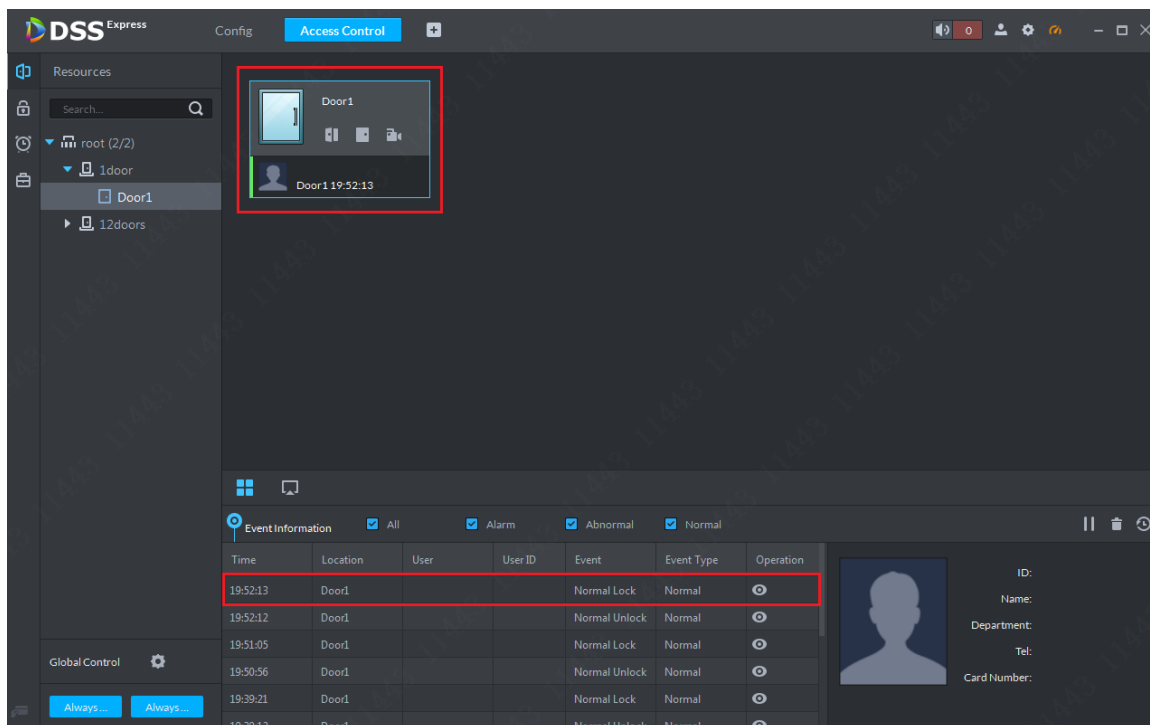



Figure 14-18

14.3.3 Event Details

Step 1. In event list, select one record and click  to view details, include: event info, live video, snapshot, record. Live video must be bind video channel to door in door config first before you can view live here. You must link video in scheme example management first before you can snapshot and record here. Please refer to scheme management chapter.

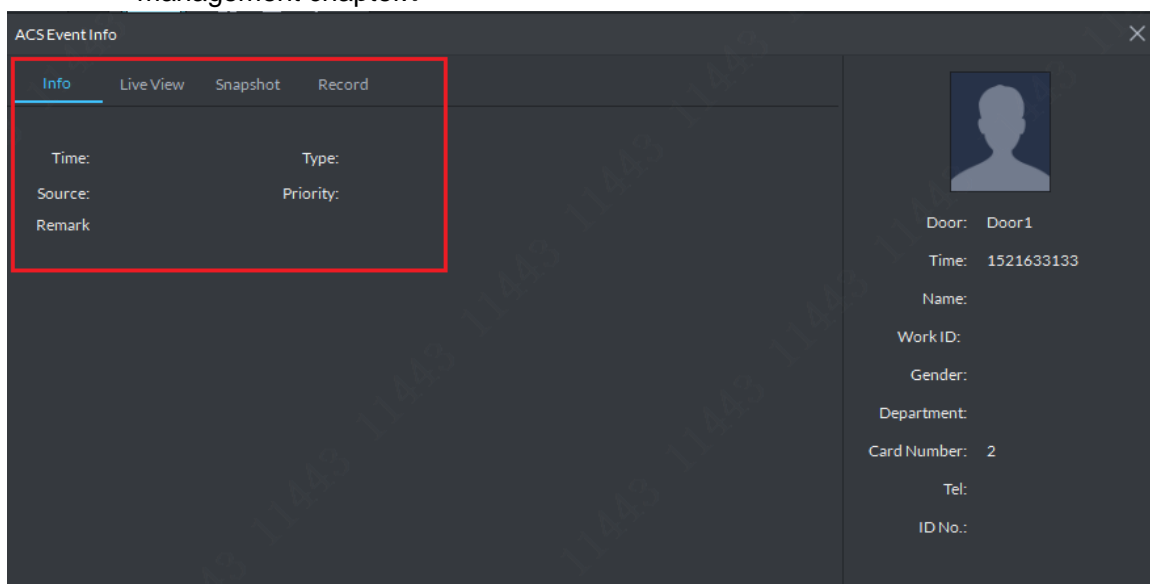


Figure 14-19

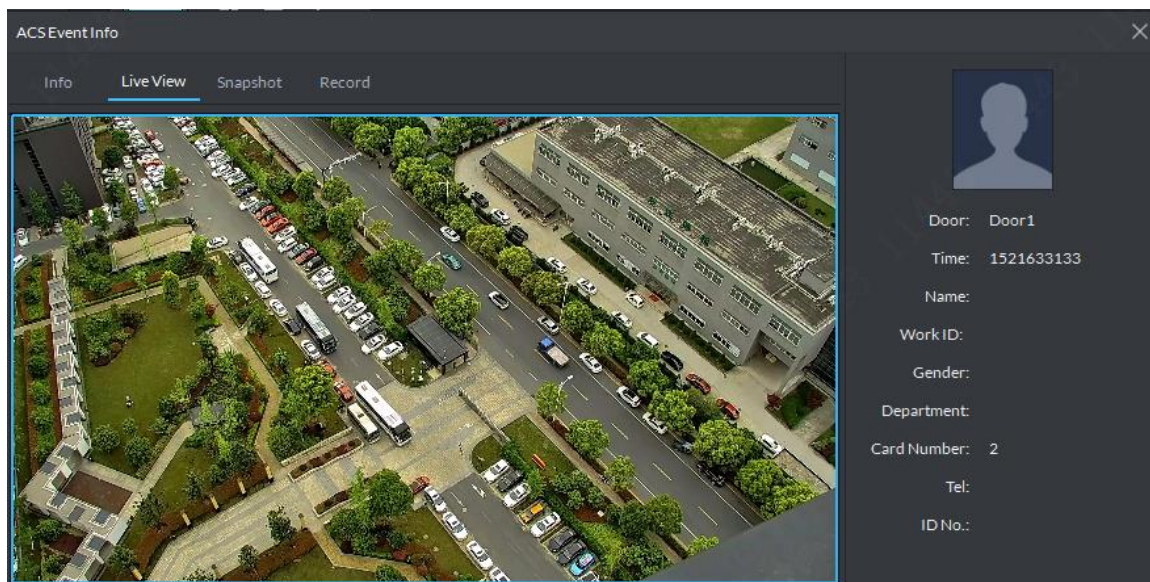


Figure 14-20

14.3.4 Global Control

Global control main function is to select one or more access control channel and NO/NC and restore to normal. Steps:

Step 1. In access control module console, on the left click config button to select channel, button is in Figure 14-21.

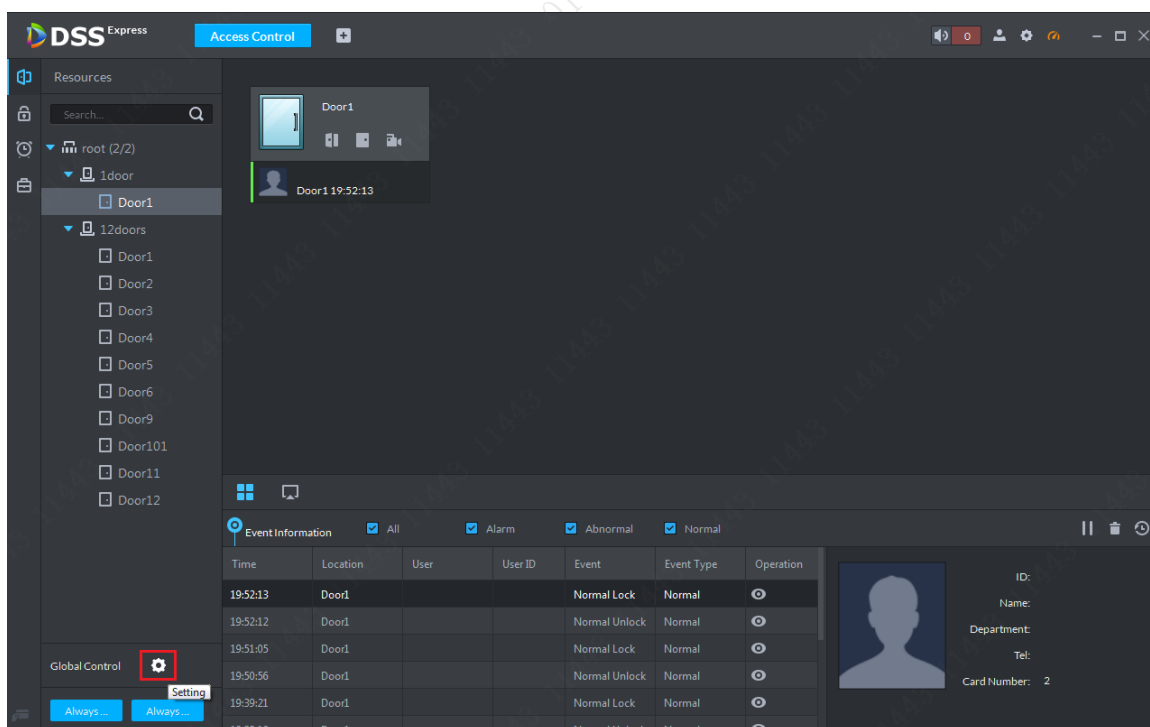


Figure 14-21

Step 2. In pop-up channel list, select channel for global control, see Figure 14-22 and click "OK" button to take effect.

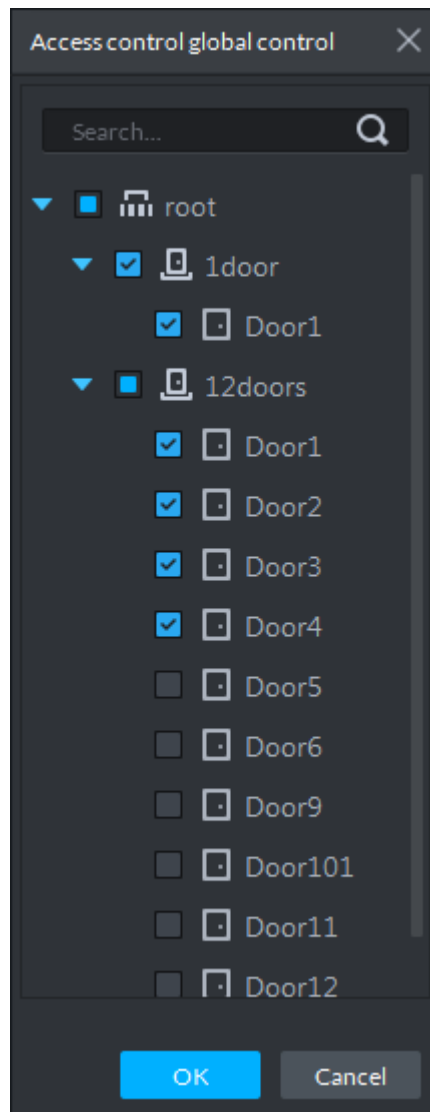


Figure 14-22

Step 3. Currently front door is closed, and you can click NO button to unlock it. This operation must be operated with password, so please enter password of current user in system box, and click “OK” button. (After global control unlock, the door will not close automatically after set time, instead please manually click replay or click button to close door.)

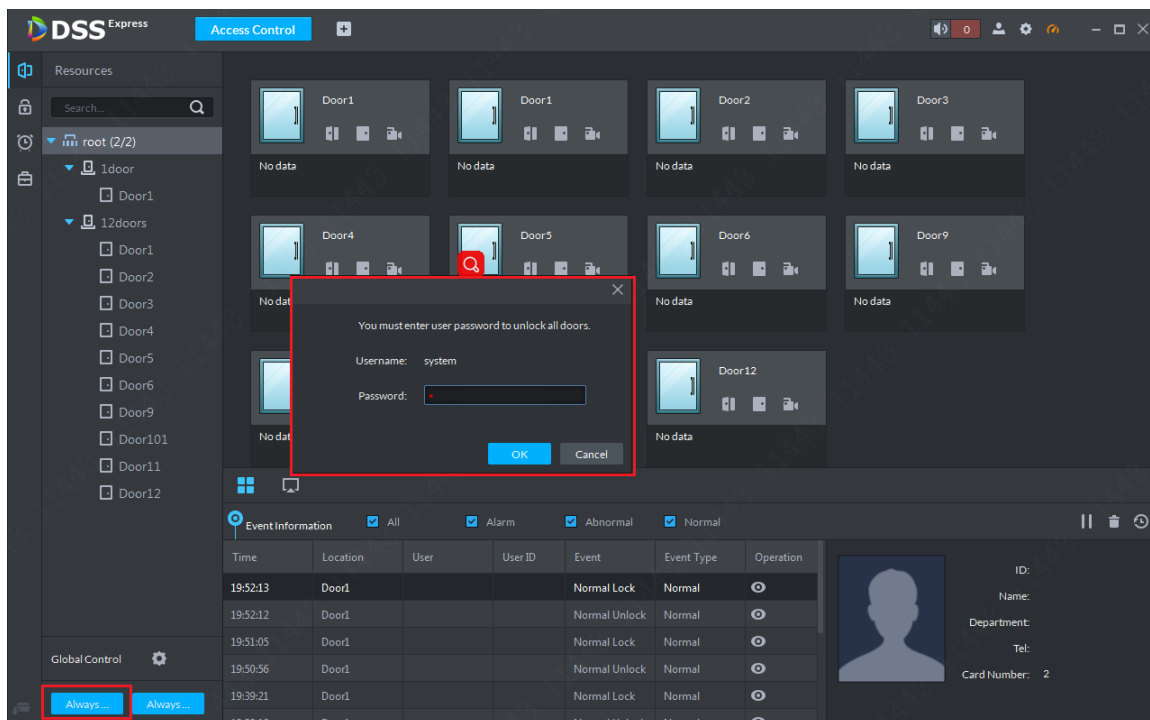


Figure 14-23

Step 4. On the right, in access control channel list, you can see selected door status become open status. See Figure 14-24.

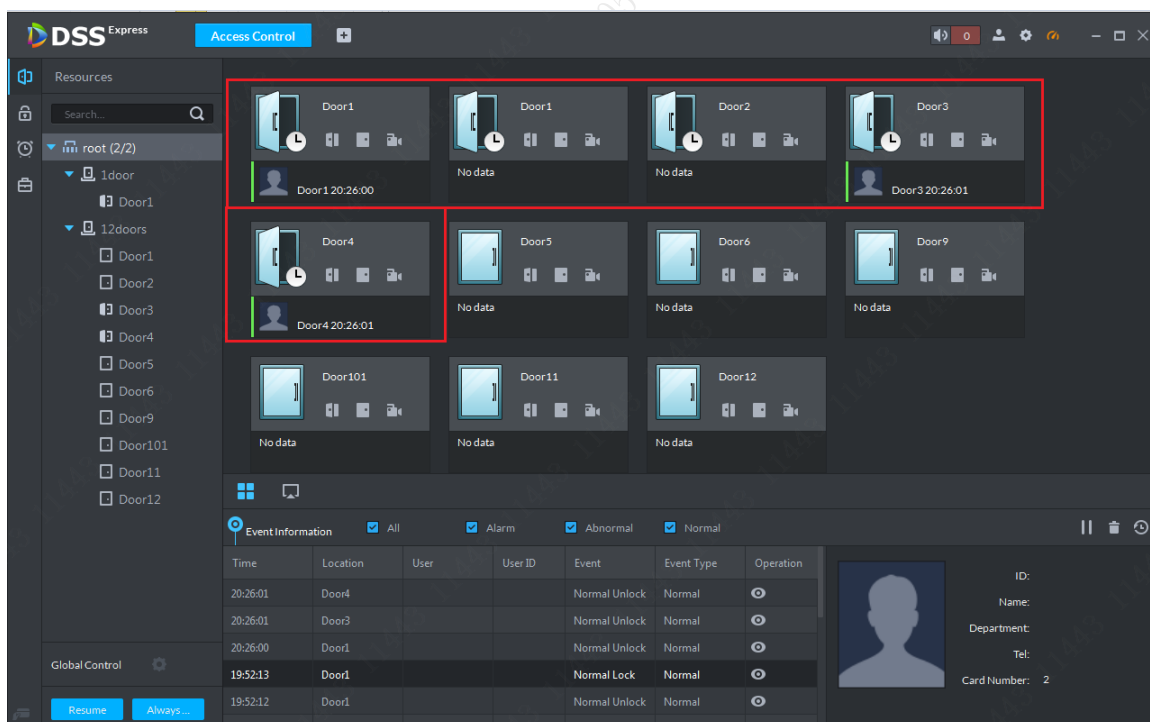


Figure 14-24

Step 5. Click NC button, and follow system instructions to enter current username password, click "OK" button to start. See Figure 14-25.

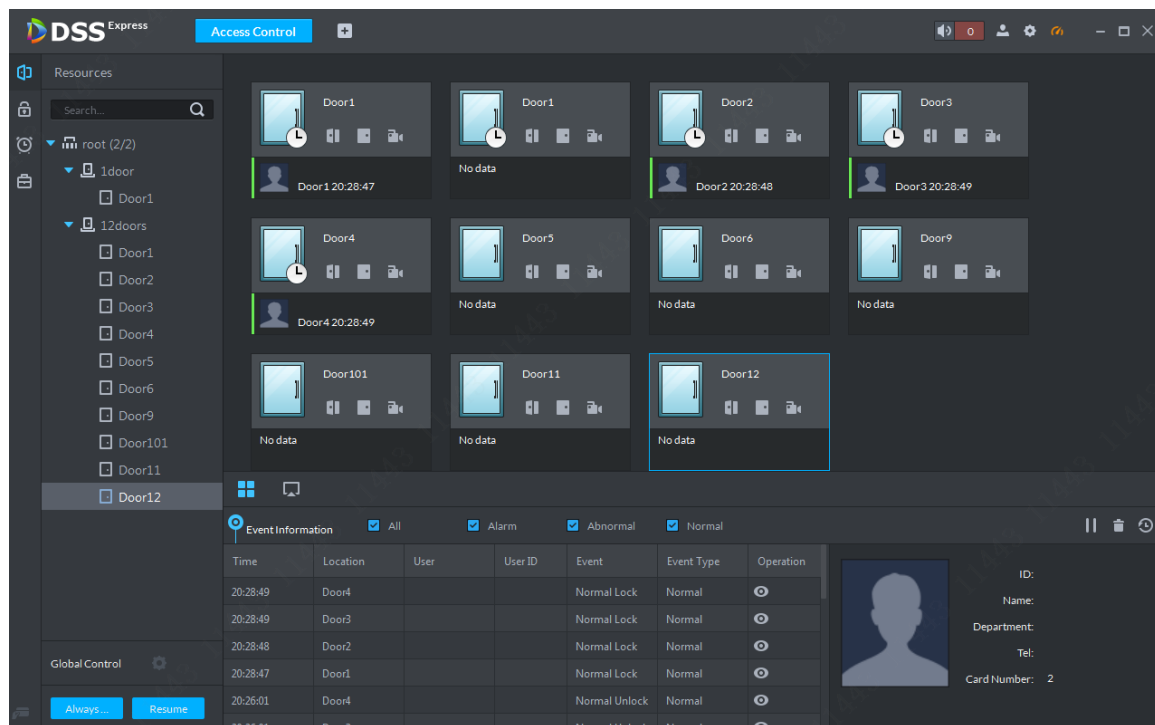


Figure 14-25

Step 6. Exit global control, please click to restore normal via button “Resume” [Resume](#).

14.3.5 Scheme Management

Scheme management function includes setup of access control channel’s alarm type and you can determine alarm priority, scheme work period, link PTZ preset, linked video open in preview window, linked snapshot and record, linked alarm output, alarm email sending, linked access control channel in NC/NC status and etc.

Warning:

Every alarm type in link config shall be separately set, since you cannot set them together as a batch.

Step 1. Enter access control module console, and on the left, select one access control channel and right click mouse, in pop-up menu, select Door Config to enter config page. See Figure 14-26.

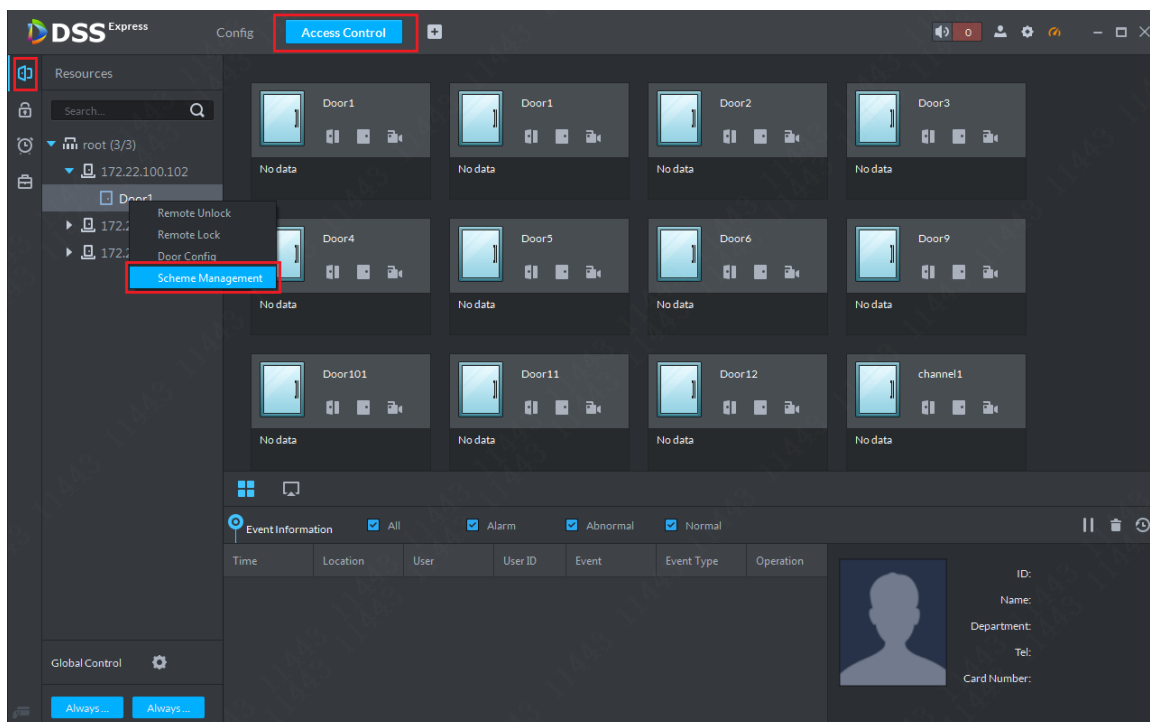



Figure 14-26

Step 2. Enter event config page, first please select alarm type, and then enable alarm , set alarm level, select alarm arm work time (select time template), see Figure 14-27. After you execute, you also can select other alarm type and follow the same steps to set. Each alarm type can be set to different levels and arm time.

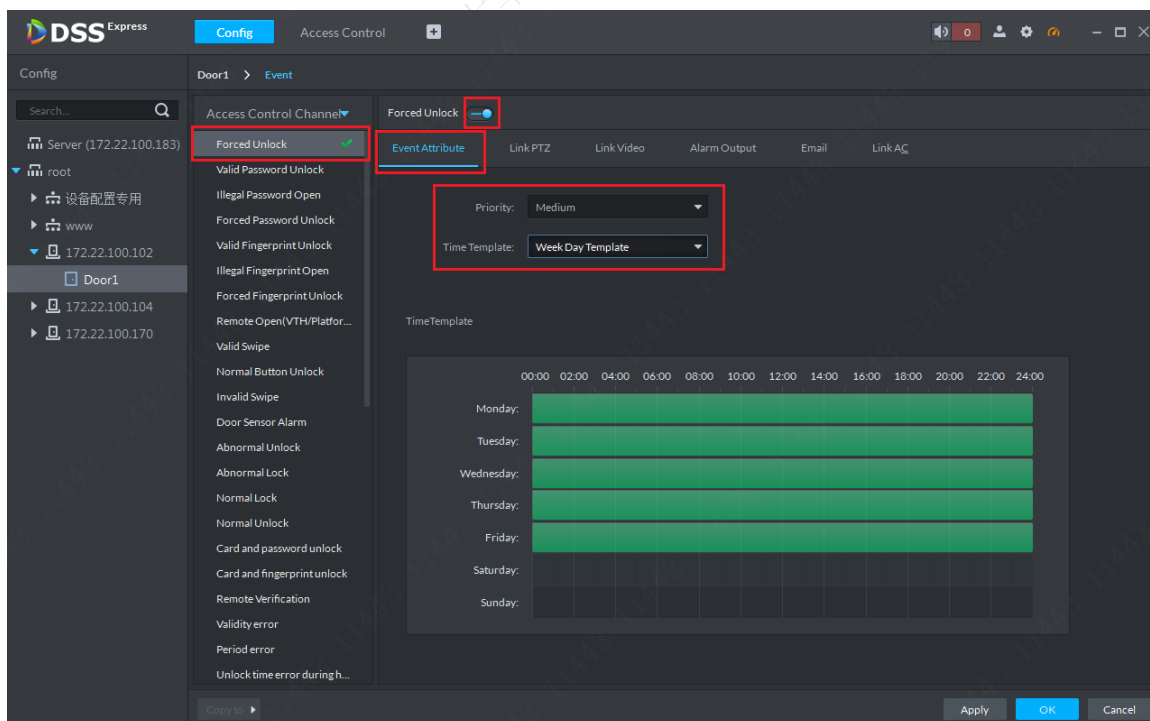


Figure 14-27

Step 3. Link PTZ preset config. When event property config is complete, please go to event config page, and select Link PTZ tab. See Figure 14-28. Select one speed dome channel, and then select the preset which speed domes rotated to when event

occurred. If preset list is null, you can skip this step and click edit scheme to set PTZ link.

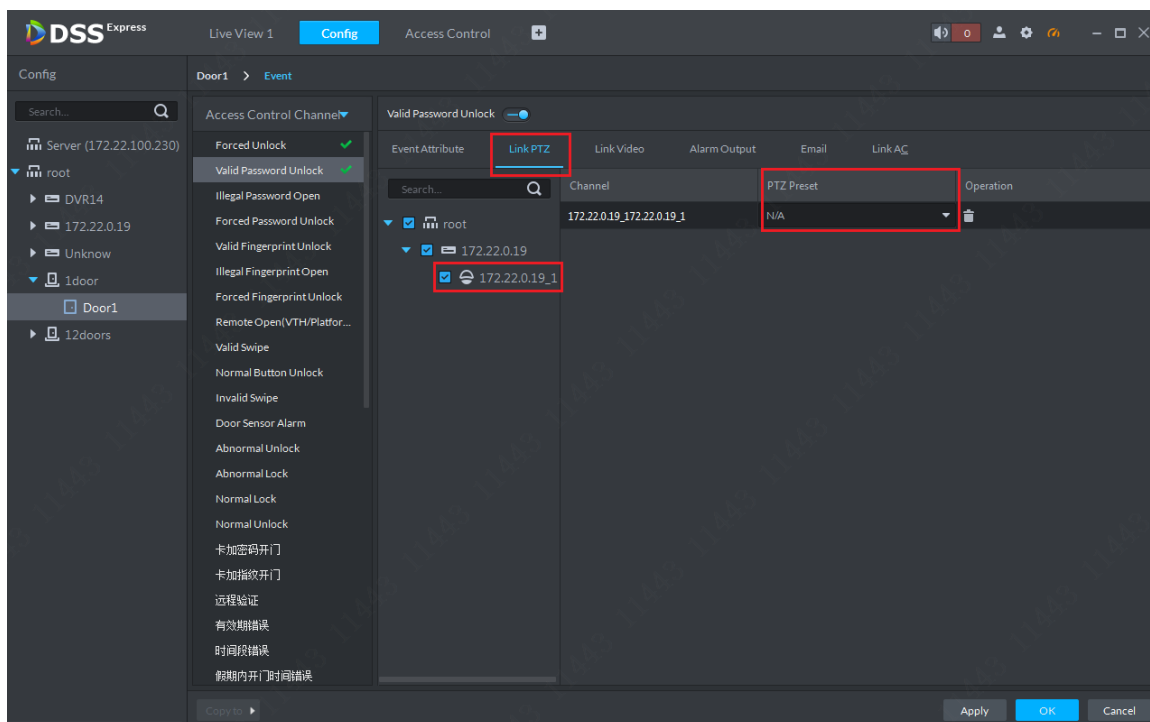


Figure 14-28

Step 4. Link video-category setup, please select Link Video tab, see Figure 14-29. You can drag video channel into preview window to preview video. You can select if to save record when event occurs and stream type, time to save plus whether to enable snapshot, open video in preview window and etc. Please set accordingly.

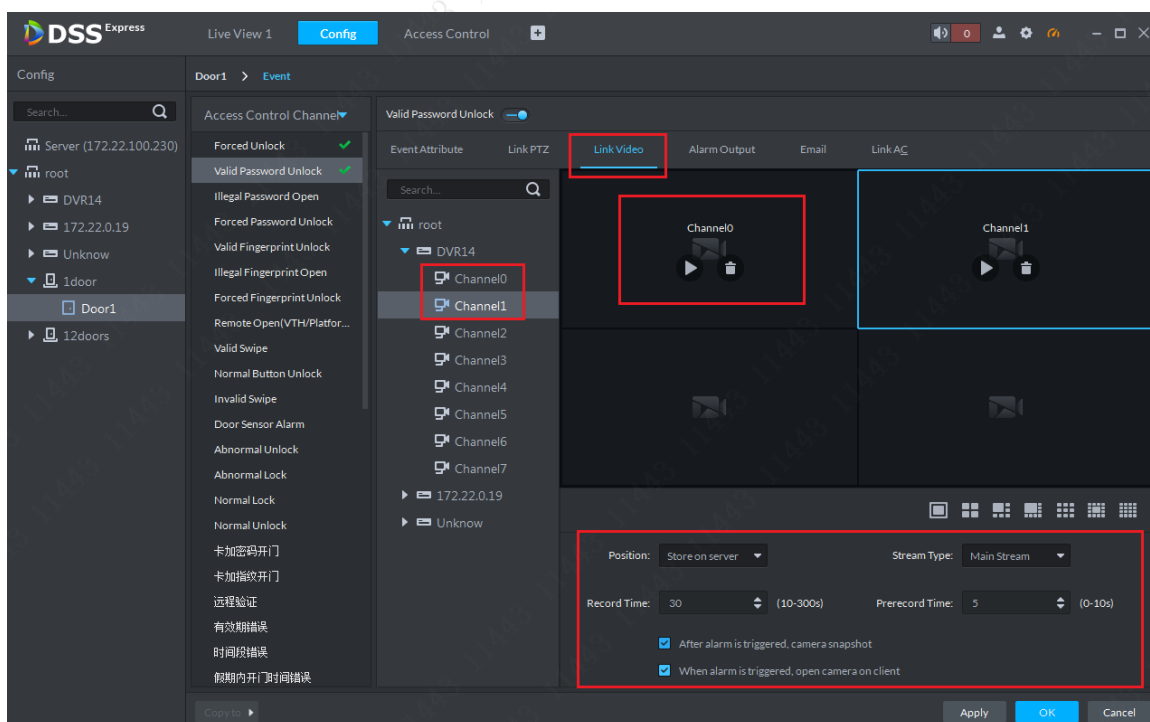


Figure 14-29

Step 5. Link alarm output channel, if alarm output channel connects to buzzer alarm or other alarm devices, you shall let the system auto enable alarm at occurrence, and set alarm length, see Figure 14-30.

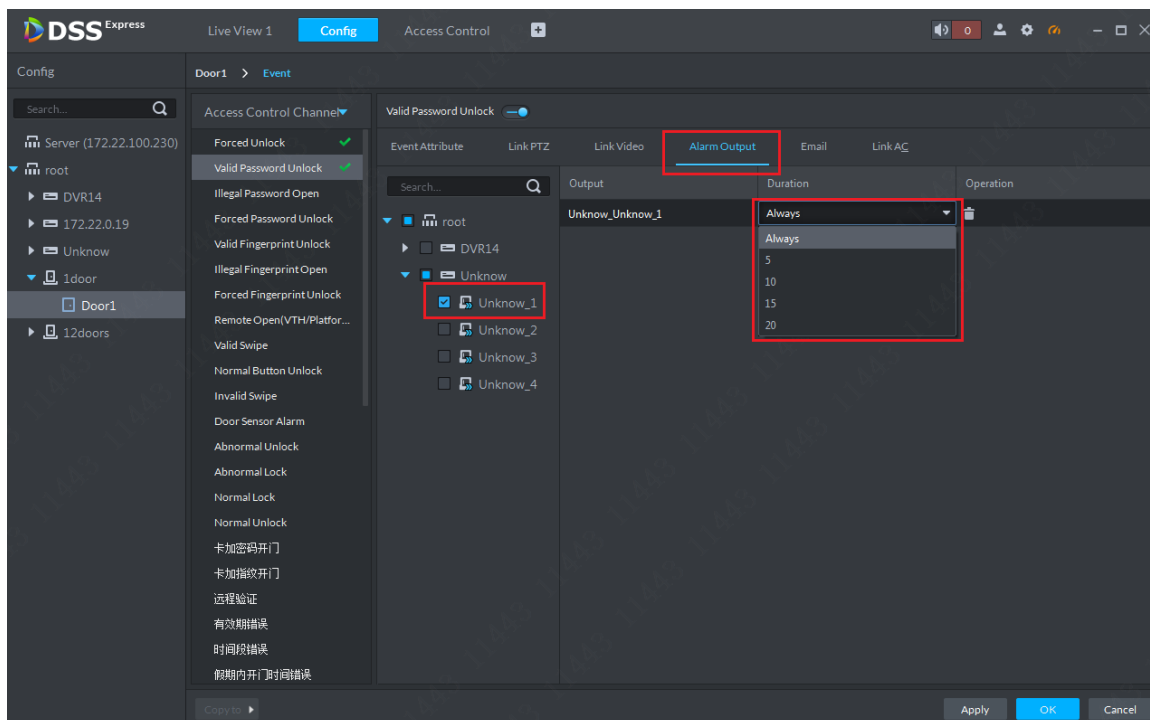


Figure 14-30

Step 6. Link email config, If when an event occurs, users shall be notified via email, you can link email config and select receiver in address or manually enter. Email title shall be filled in according to actual event, content must contain event time, event type, event source. Please select items you contain in email (all of the three items are recommended), and you also can edit email, see Figure 14-31.

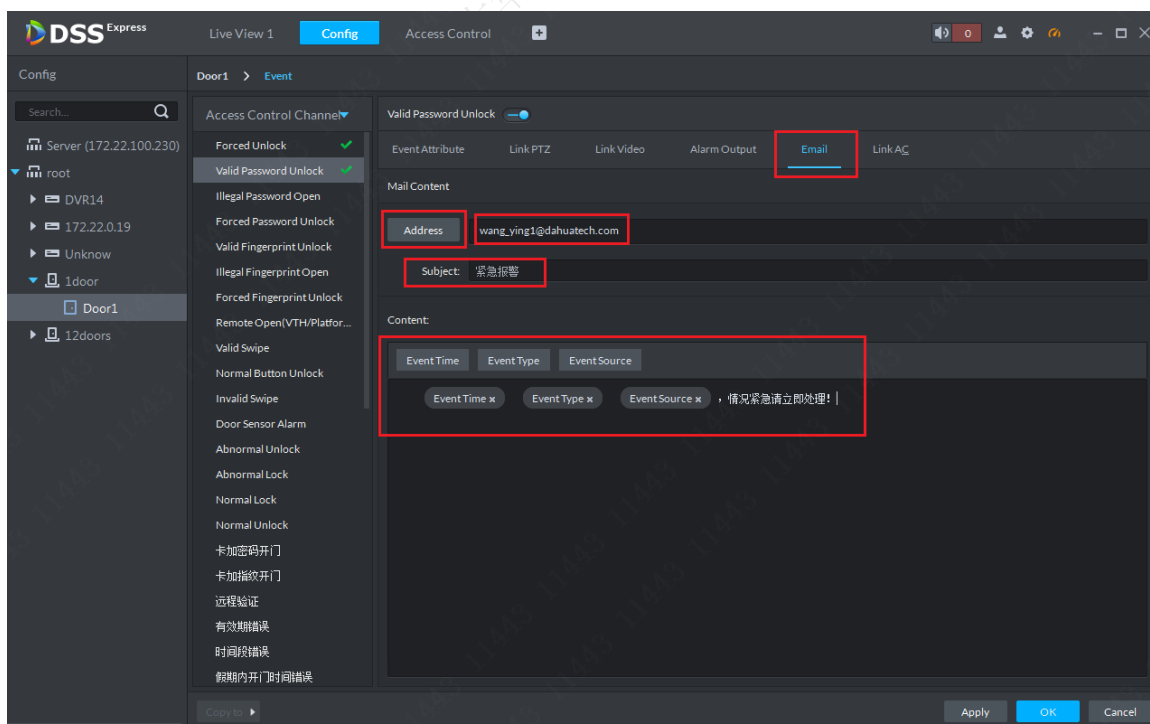


Figure 14-31

Step 7. Link access control channel config. When an event occurs, you can set to auto unlock or lock certain door in Link AC. You can select access control channel and set status of this channel. Each channel setup is independent, and after setup is

complete, click “OK”. See Figure 14-32.

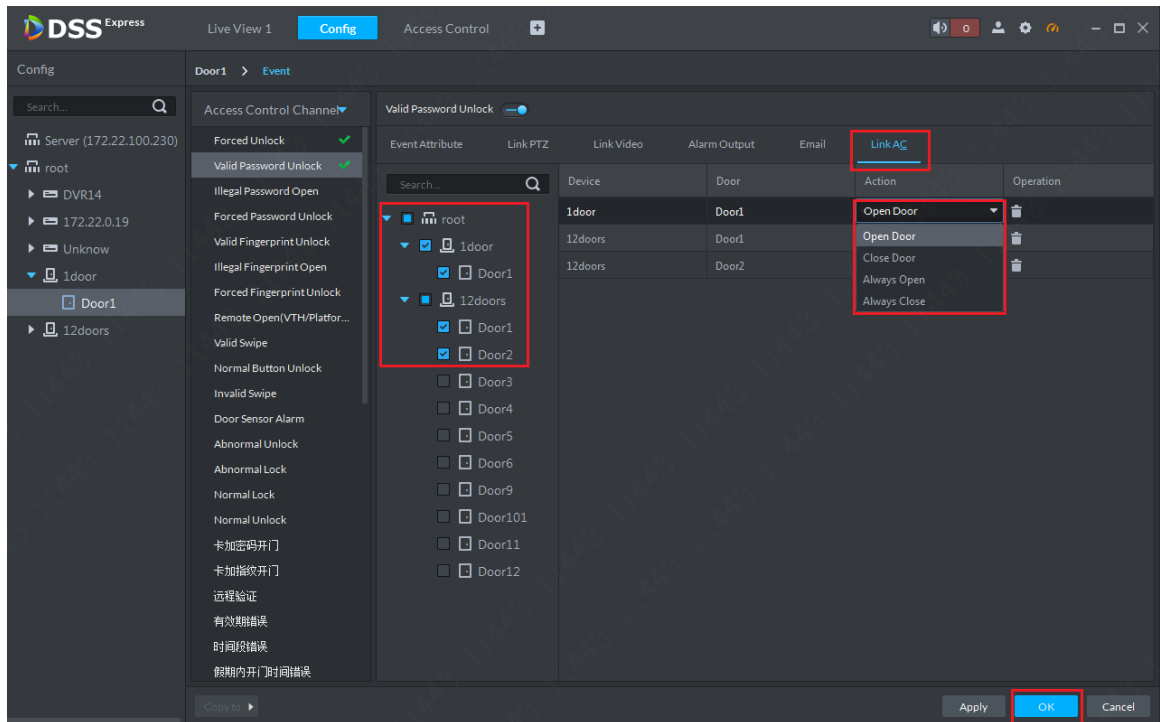


Figure 14-32

Step 8. Scheme is shown in Figure 14-33.

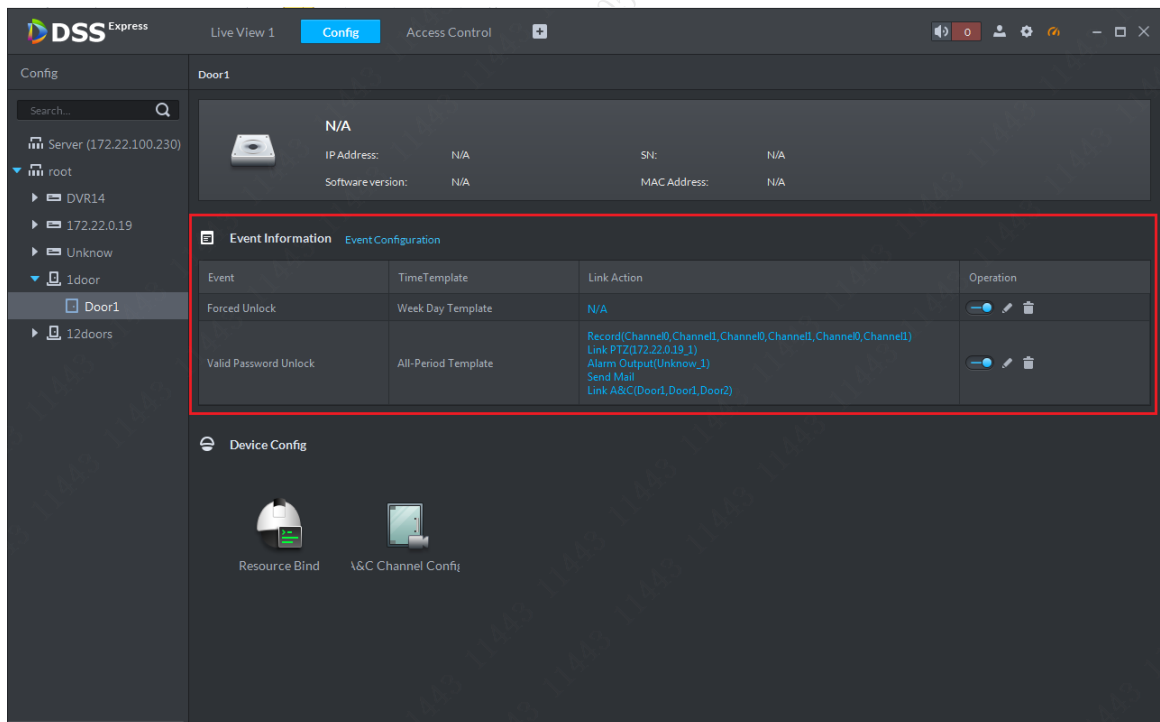


Figure 14-33

14.4 Door Group

Door group and door rule are non-standard config, and user can select to set or not.

Step 1. In Client homepage, click “Access Control” to enter access control module, see

Figure 14-34.

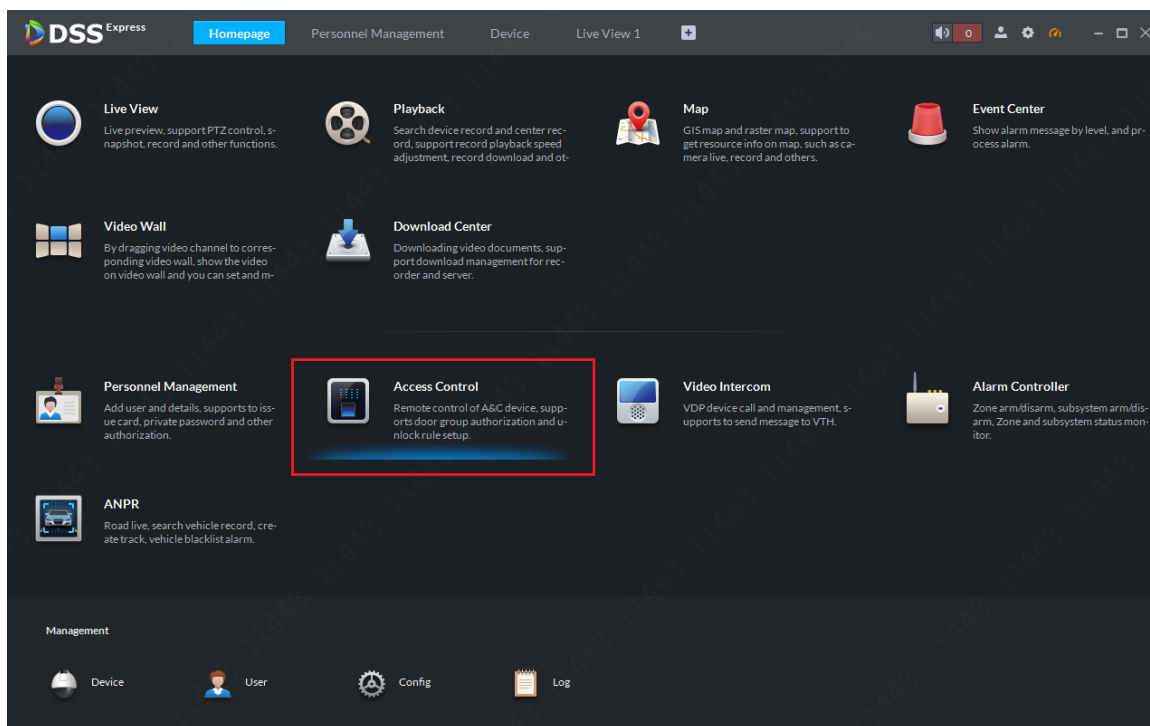


Figure 14-34

Step 2. Click “Access Control” tab to enter door group&rule setting page, in Door Group page click “Add” button, see Figure 14-35.

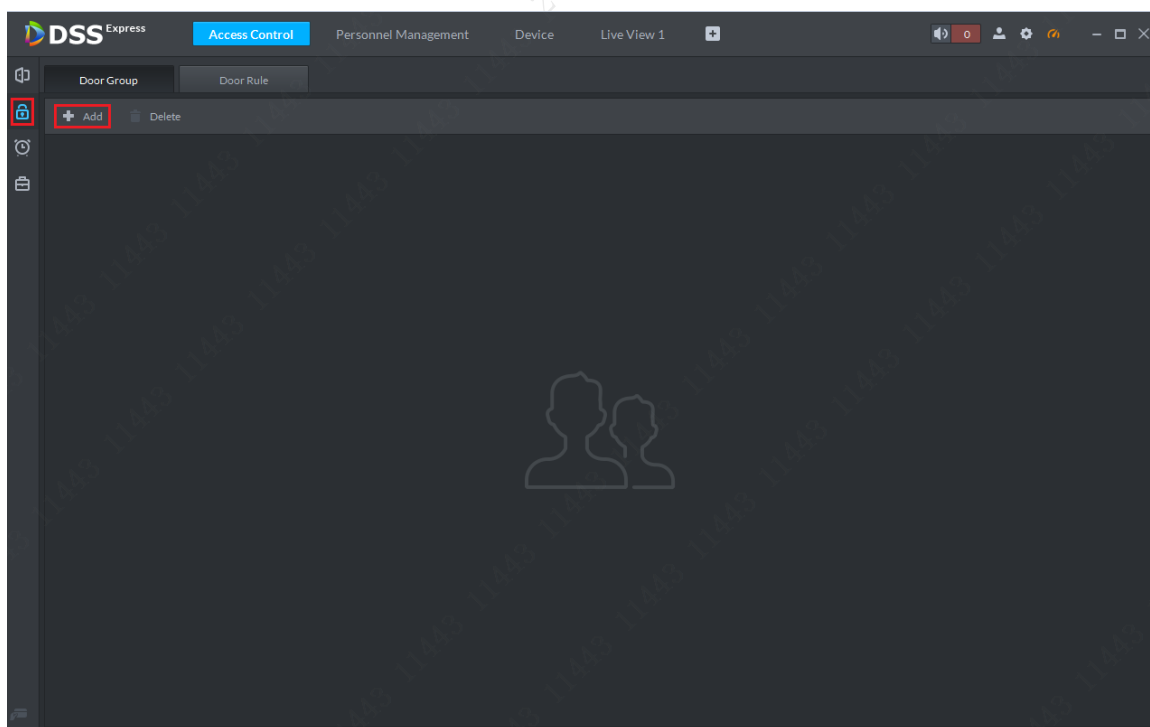


Figure 14-35

Step 3. Door group setting page is shown. Please follow instructions to fill in door group name, select time template (not required), select channel, click “OK” button to save.

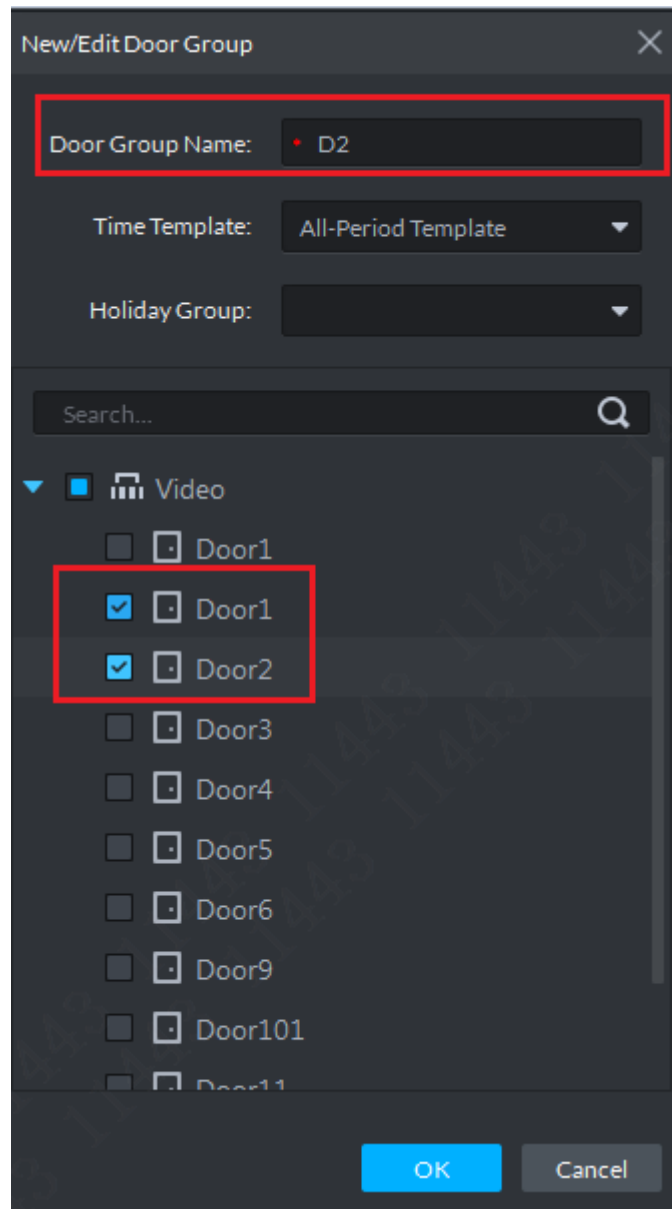


Figure 14-36

Step 4. Door group is added and user can edit and delete if need.

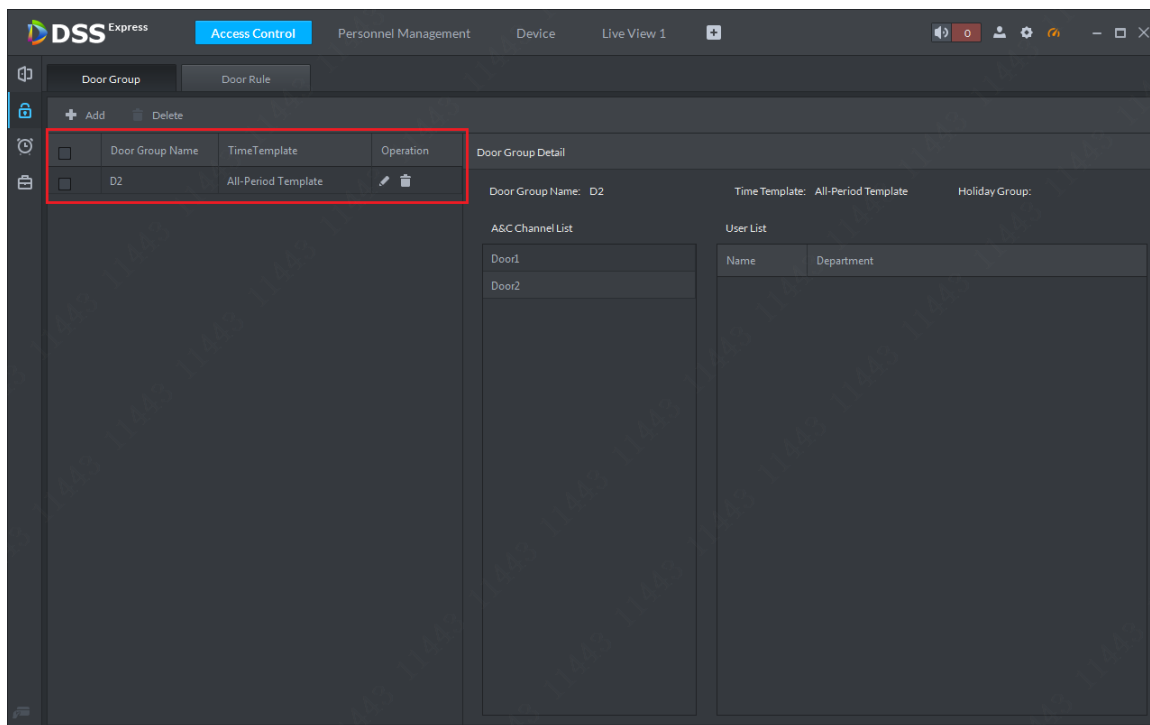



Figure 14-37

14.5 Advanced Function

14.5.1 First Card Unlock

First card unlock node: after you set first card unlock only this first user swipe card, then other users may swipe card to unlock door. You may set more than one first card, as long as one first user swipes card, others can swipe card. Steps:

- Step 1. Enter access control control module, and select advanced function tab, in "First Card Unlock" tab, click Add button  Add to add first card unlock scheme, see Figure 14-38.

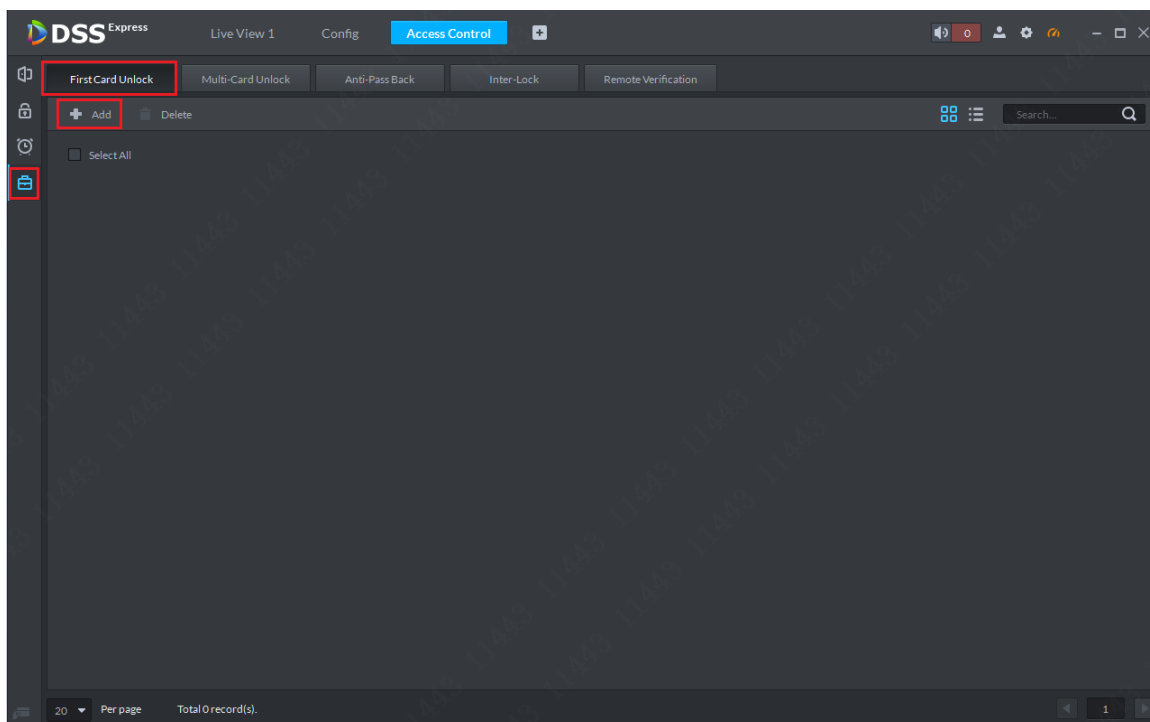


Figure 14-38

Step 2. Select access control channel (select one only) , time, door status, user with first card unlock (support multiple choice) in add page, set and click “OK”to add. Scheme takes effect.

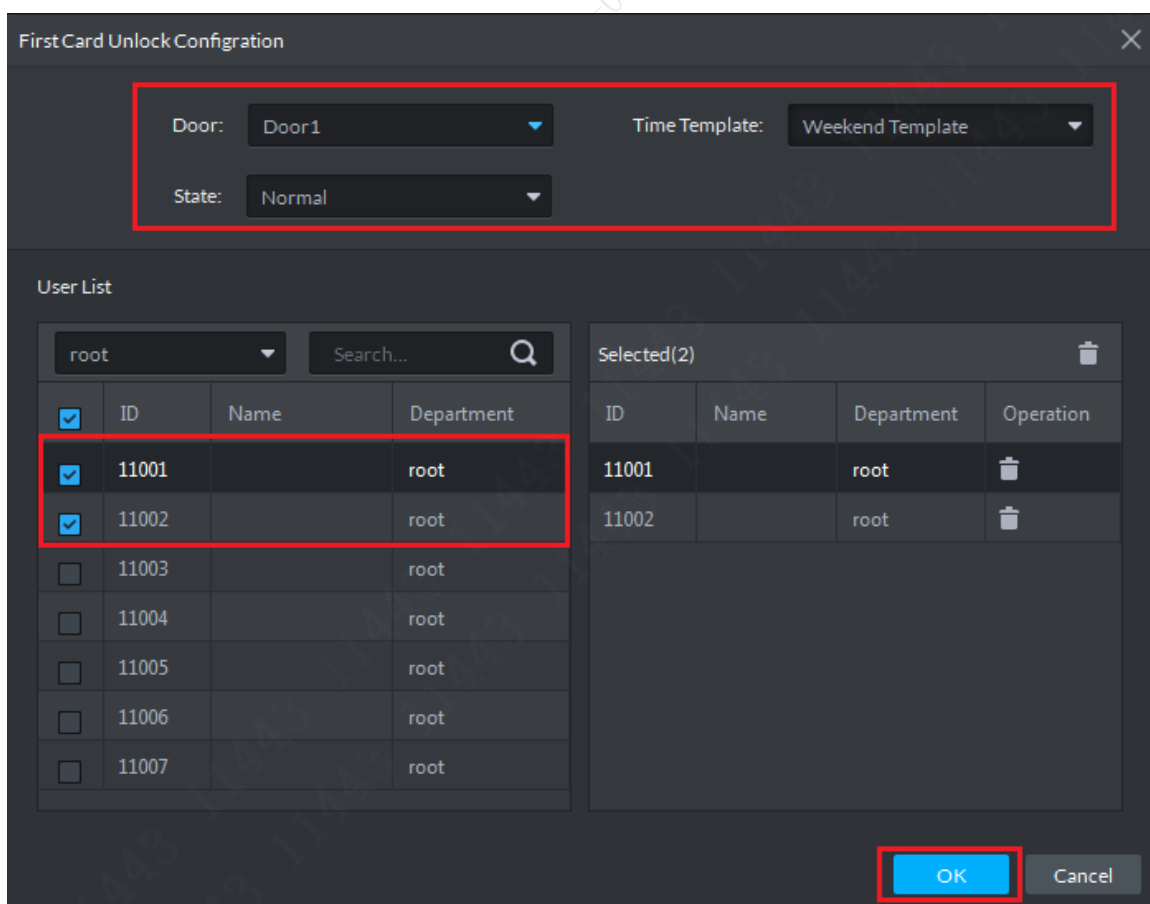


Figure 14-39

Step 3. First card unlock scheme list is shown below, in this page the user can select to enable/disable this scheme, or edit and delete scheme.

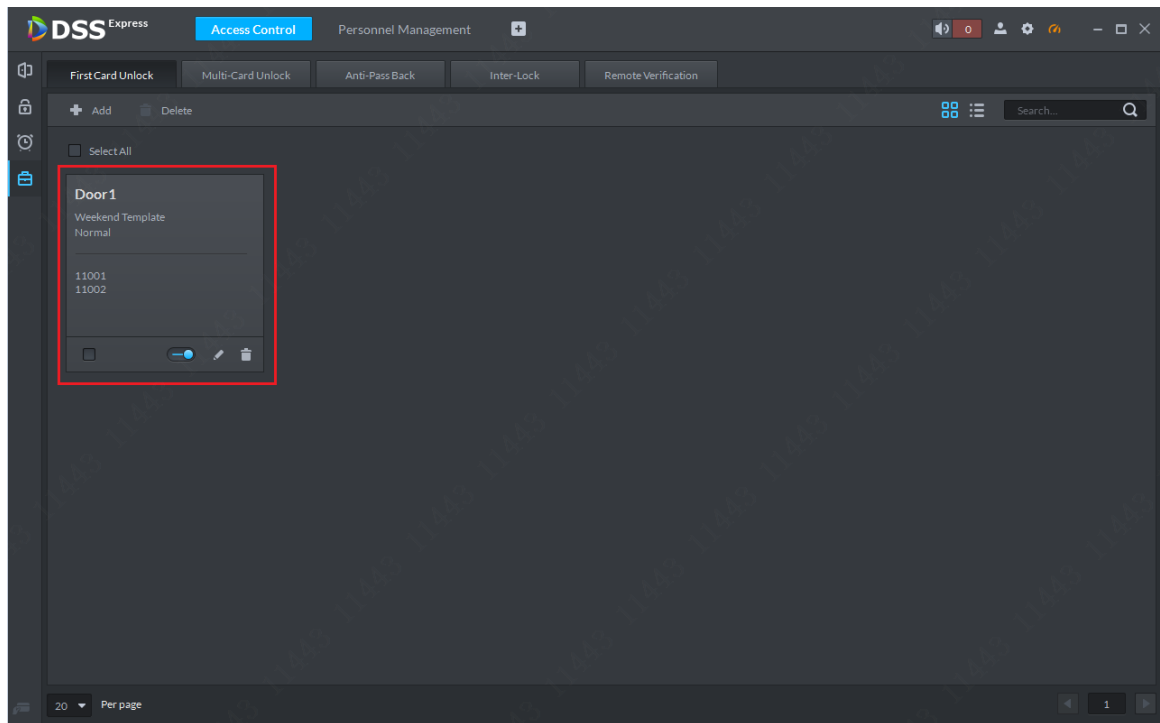


Figure 14-40

14.5.2 Multiple Card Unlock

Multiple card unlock note: for a certain access control channel, more than one group of user shall swipe card in set sequence in order to unlock it and you can set valid number of user of each group as changing valid unlock user number in the group. Max of 4 groups and accumulated valid user cannot exceed 5. Steps:

- Step 1. Enter access control module and select advance function tab, click “Multi-Card Unlock” tag to enter multiple card setup page. When first time set, please add user group first. In this page, click “Add user group” button **Add user group** to add user group.

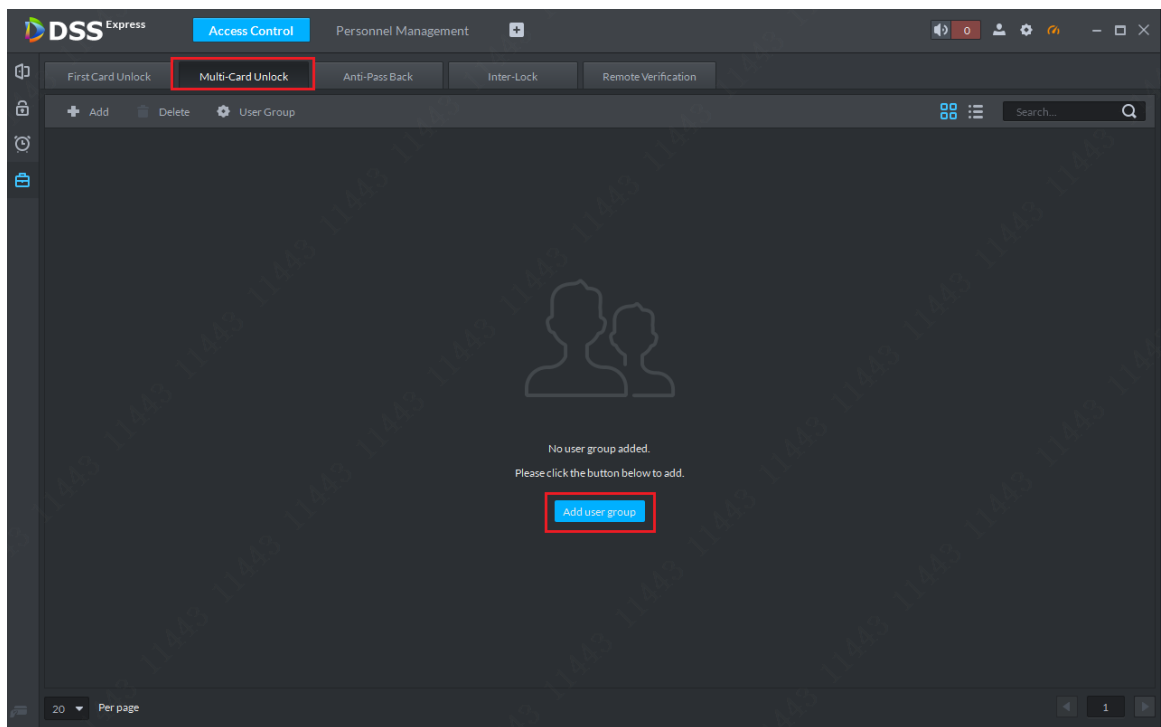


Figure 14-41

Step 2. In the system, click “Add”button to add.

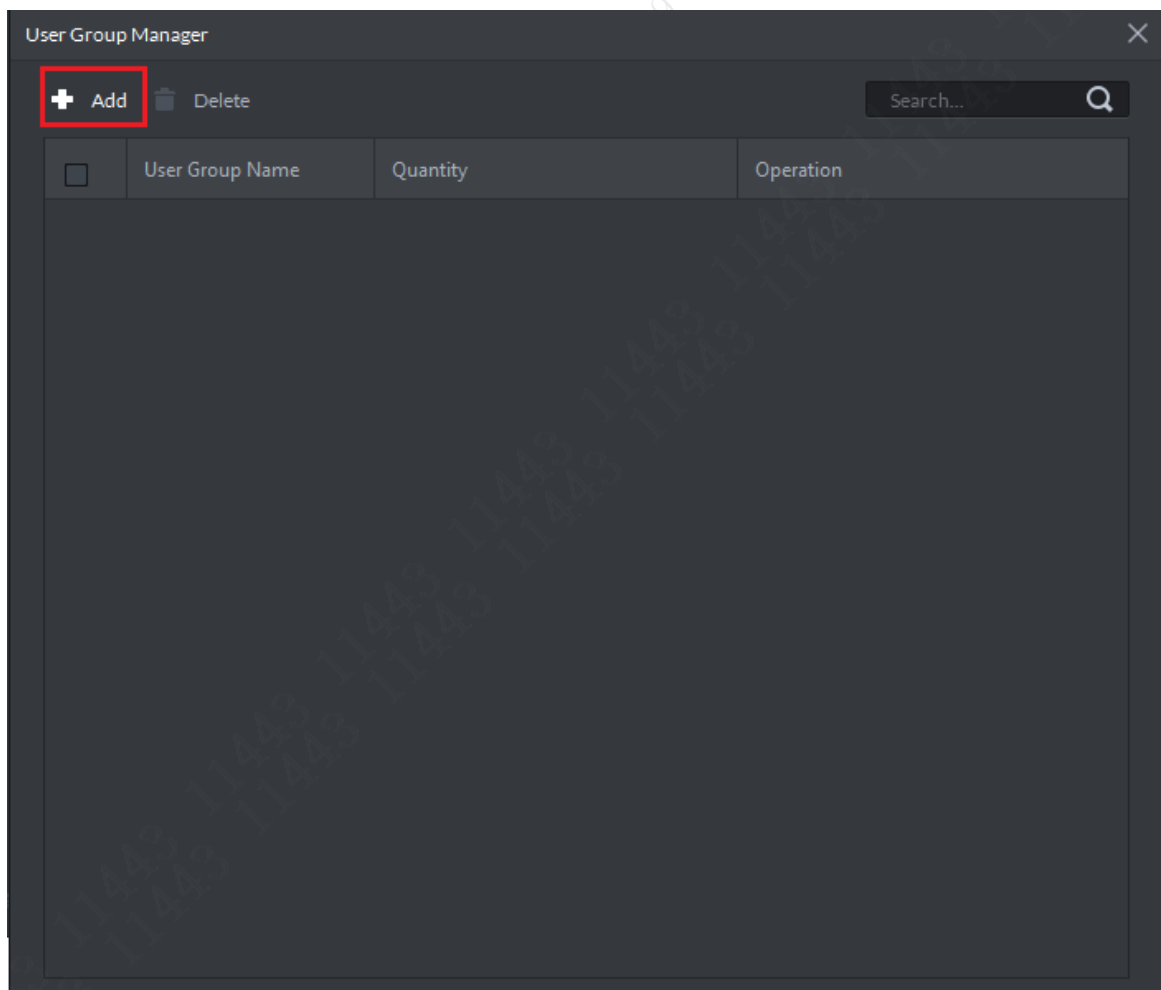


Figure 14-42

Step 3. In shown page, set group name, and check group member in corresponding

organization. Click “OK”button to add. This step only selects member, without concerning sequence.

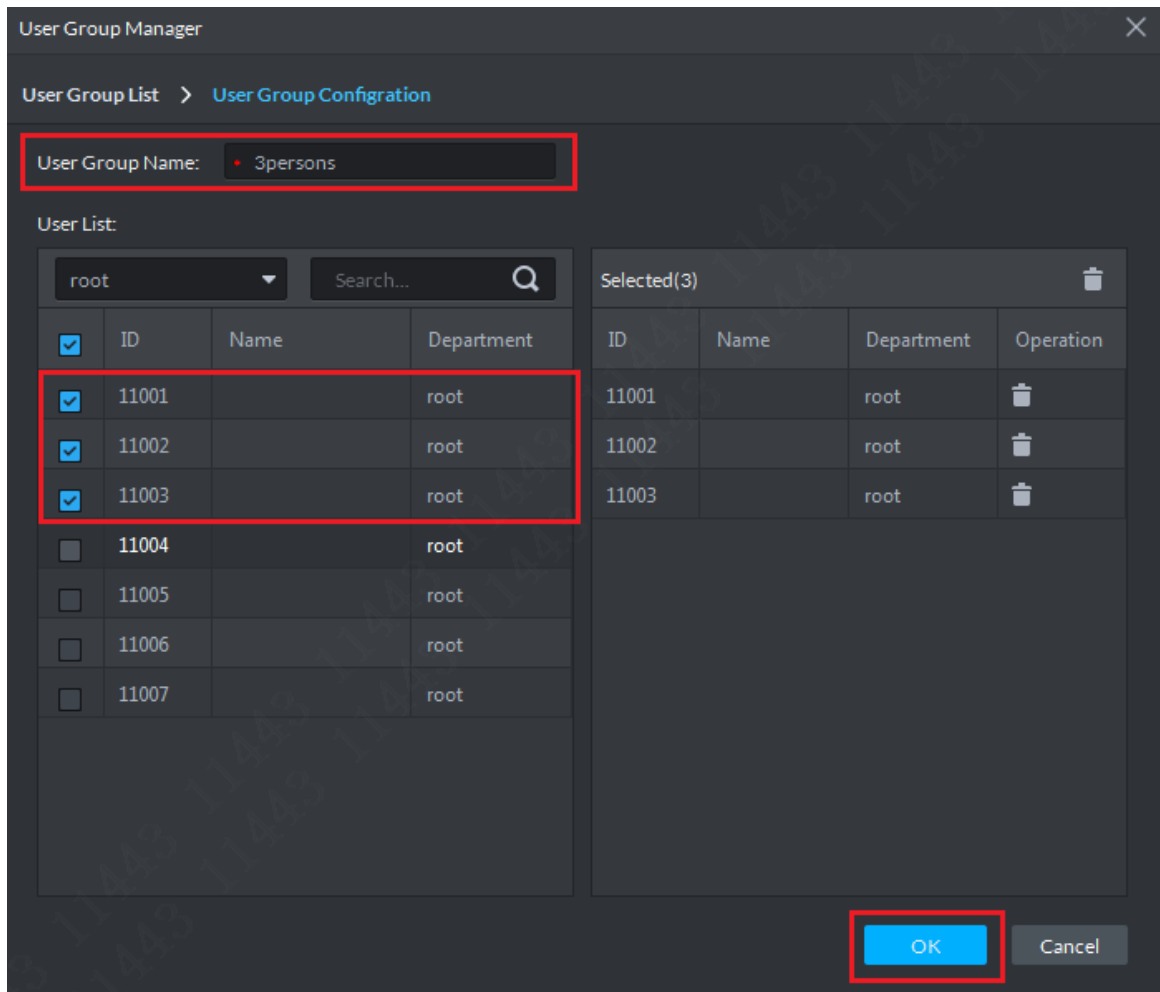


Figure 14-43

Step 4. User list is shown below, if you want to add, click “Add”button. If you do not continue to add, click close button at the upper right.

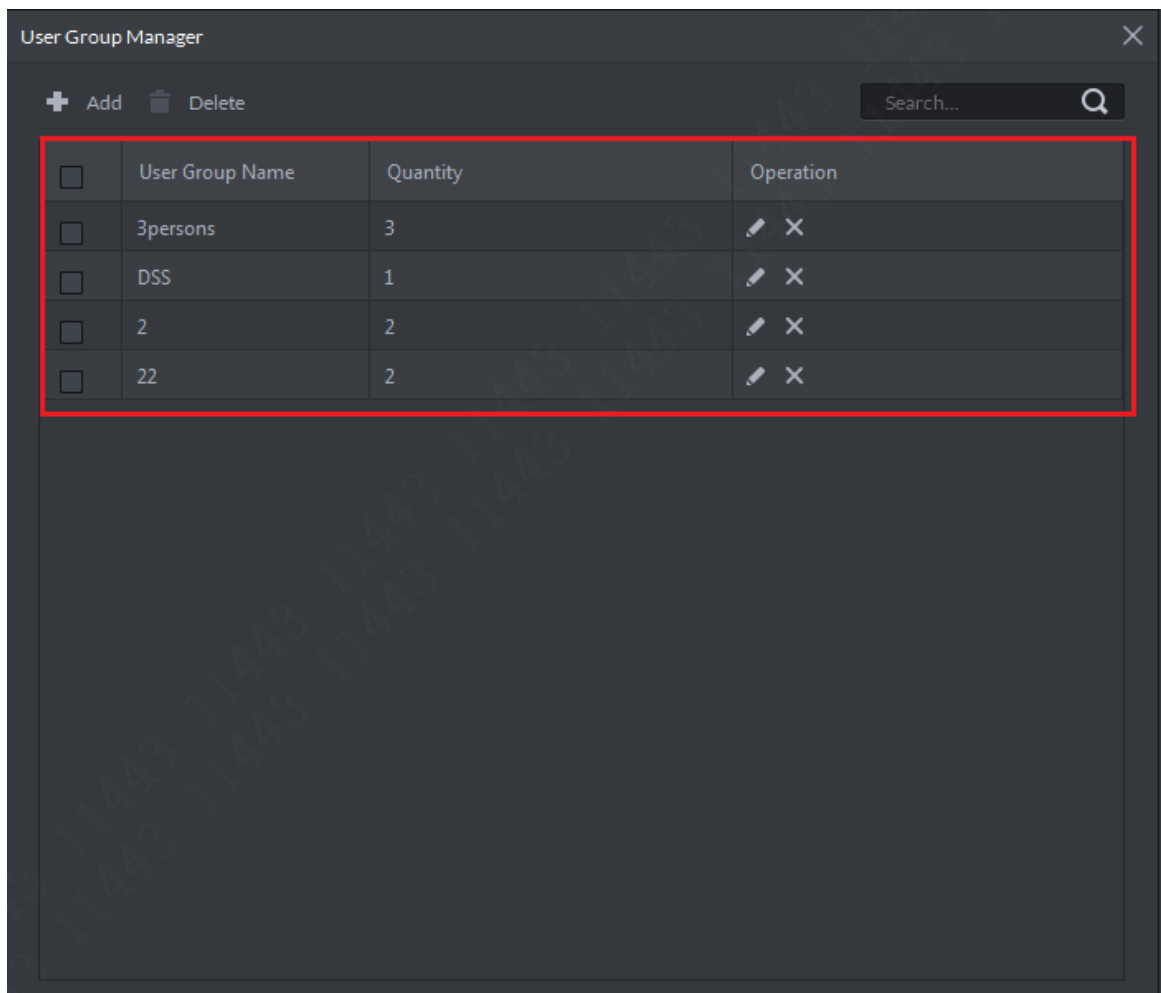


Figure 14-45

Step 6. Click user group adding, and return to multiple card setup page. Click “Add” to add multiple card unlock scheme. See Figure 14-46. Please select access control channel in list.

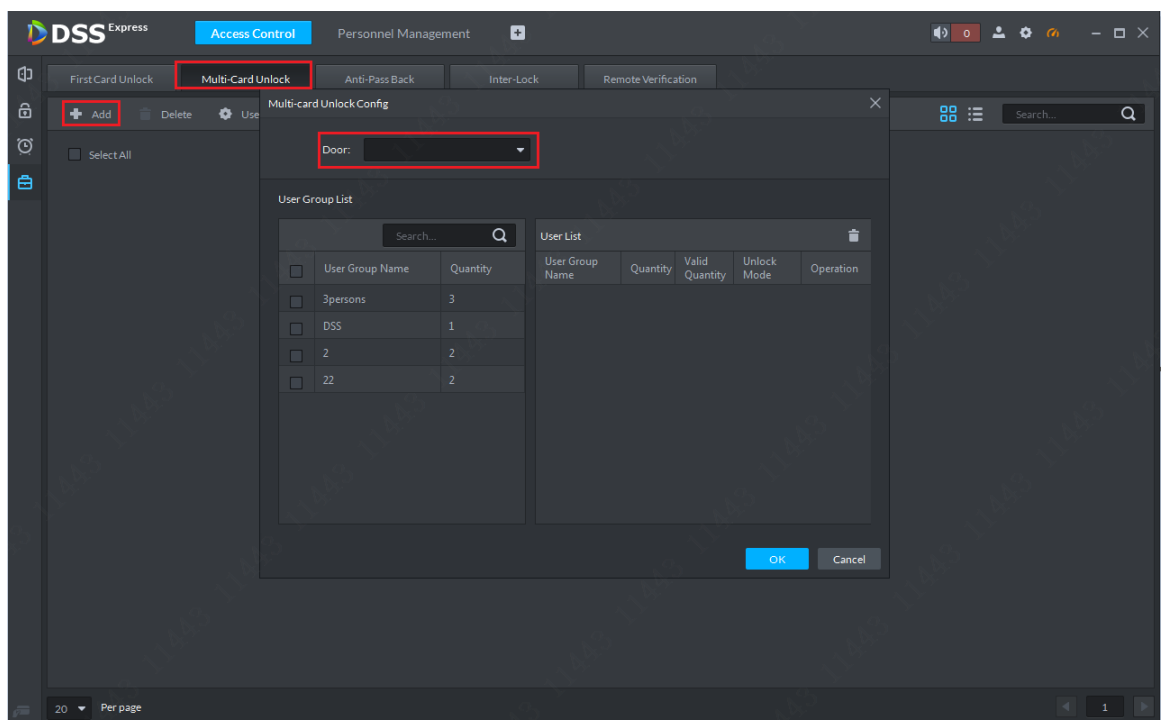


Figure 14-46

Step 7. Access control channel is selected and then select user group. Adjust group sequence, valid user in each group, unlock method (card, password, fingerprint) and etc. After setup is complete, click “OK”button to complete. See Figure 14-47.

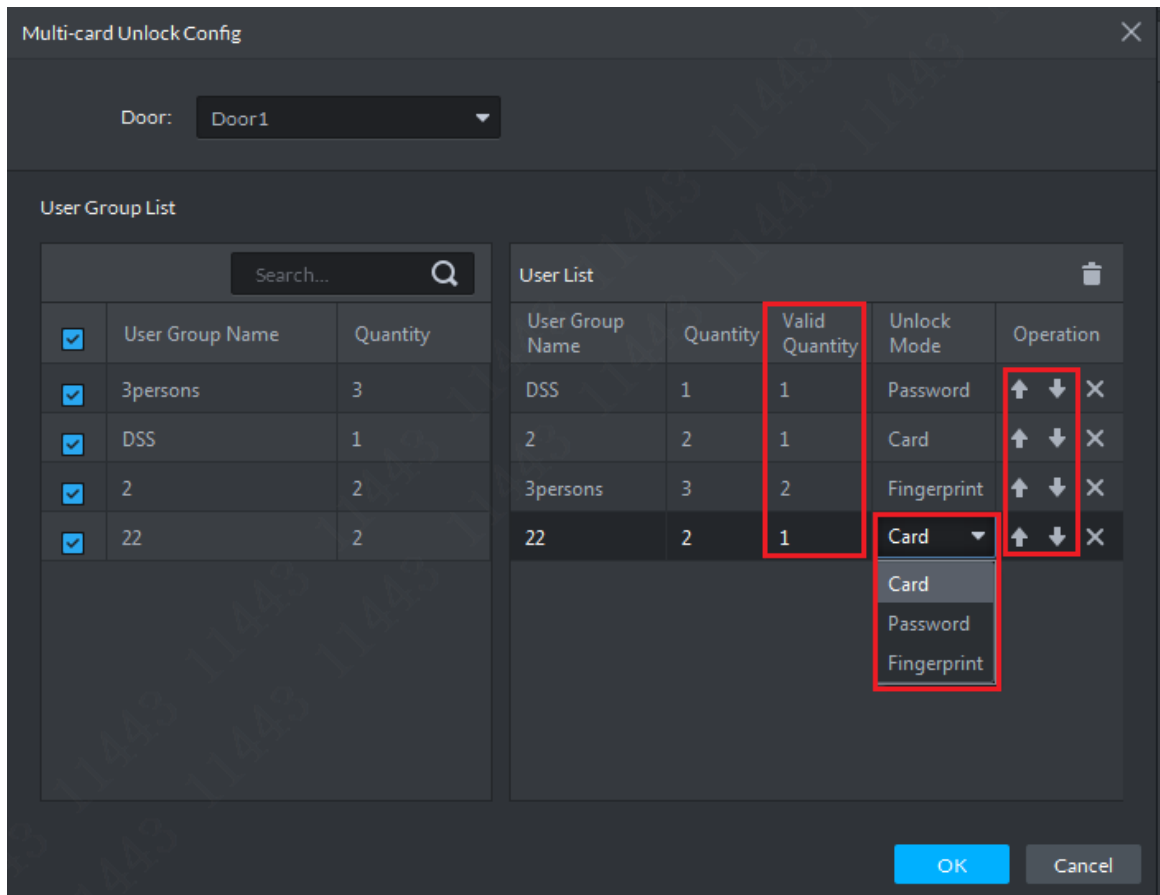



Figure 14-47

14.5.3 Anti-passback

Anti-pass back note: Set single/multiple user unlock path, so these users can only unlock is this sequence.

If you have set 1 2 3 anti-pass back, and then swipe 1 and then swipe 3 , it will trigger anti-pass back alarm (after general access control alarm, you can still unlock in set sequence), then swipe 1 2 3 will not successfully unlock, instead you must wait until reset time ends before you can swipe card to unlock again.

Steps:

Step 1. After you enter access control module, select advanced function tab, in “Anti-Pass Back”tag, click Add button  Add to add anti-pass back scheme, see Figure 14-48.

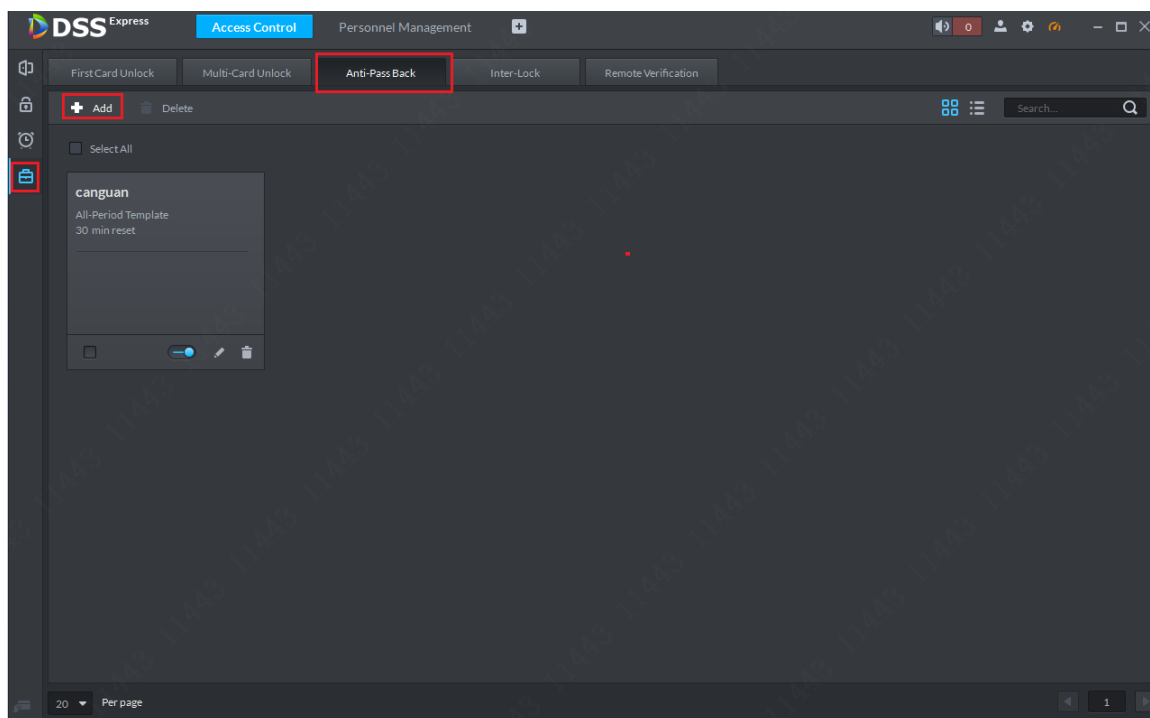


Figure 14-48

Step 2. In Add page, select access controller, set scheme name, and follow instructions and your need, set door group quantity and reader in each group. See Figure 14-49. After setup is complete, click “Next” button to enter user selection page.

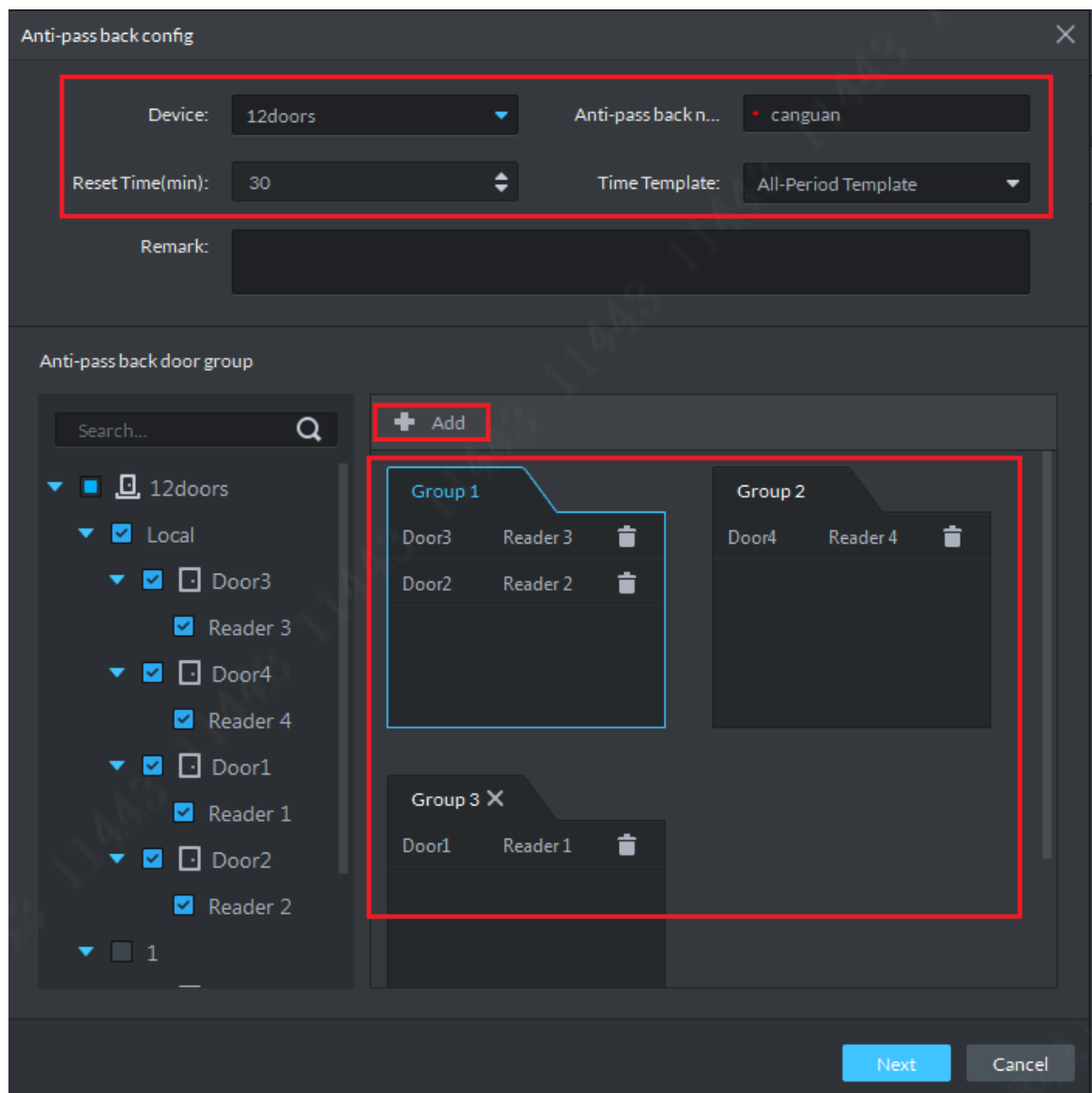


Figure 14-49

Step 3. In user selection page, please select use of this setup (multiple users are OK), and then click "OK" button to complete.

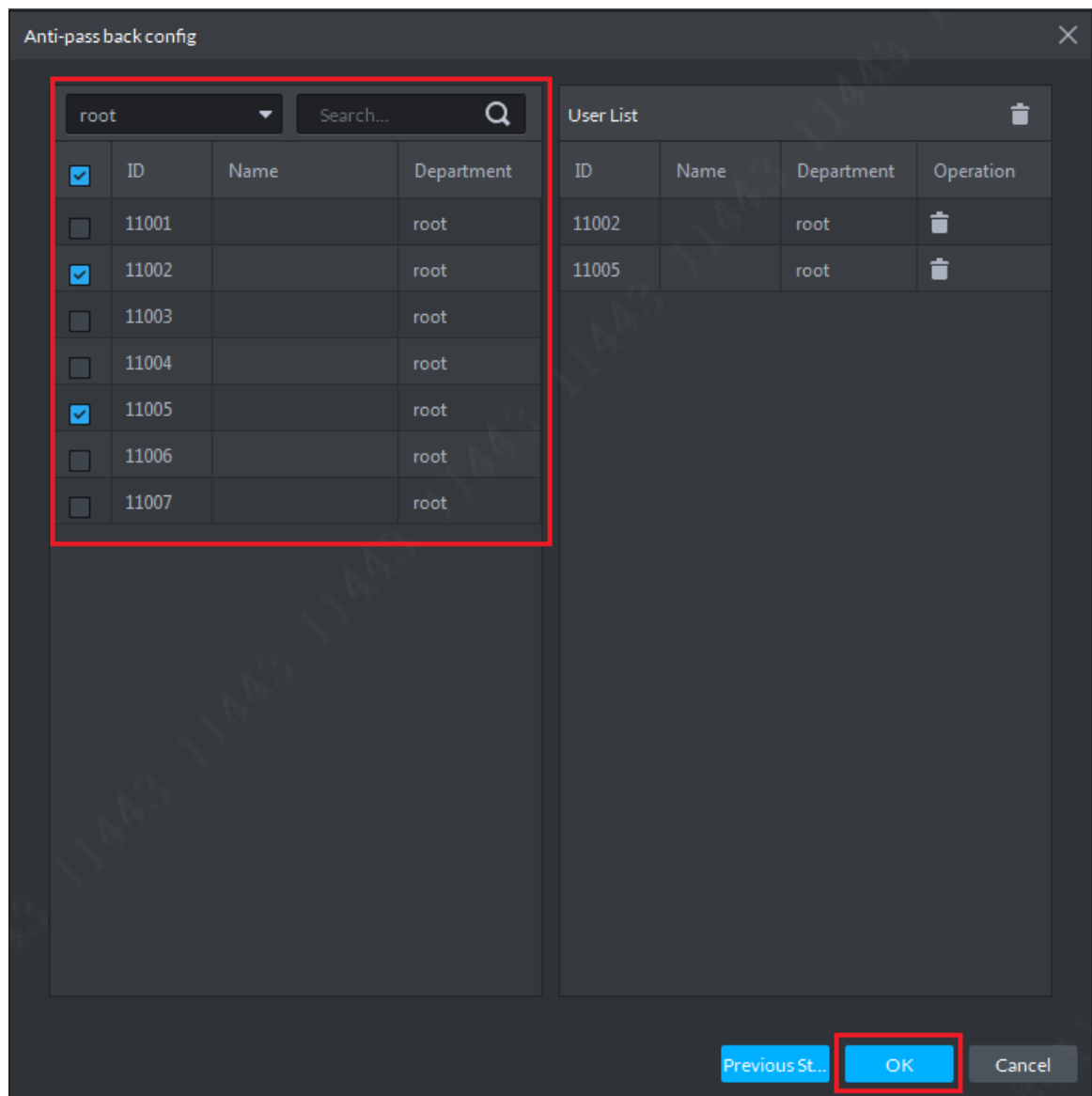


Figure 14-50

Step 4. After adding is complete, see list in Figure 14-51.

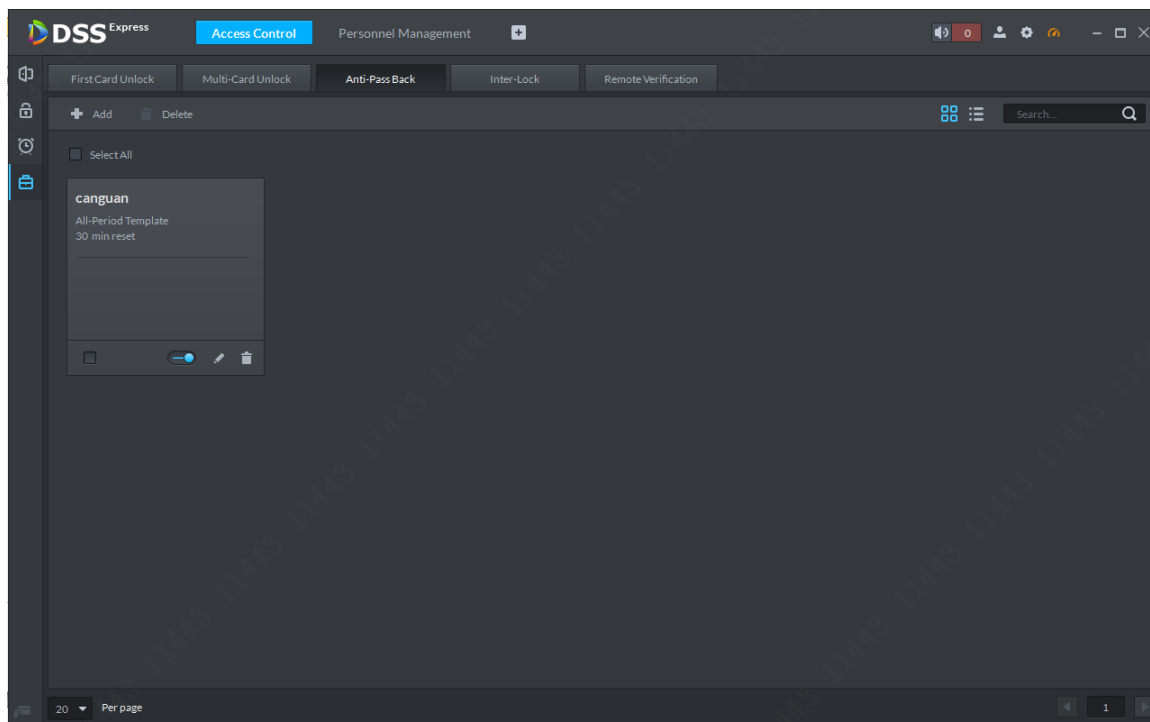


Figure 14-51

14.5.4 Inter-lock

Inter-lock function node: General access control is in-group inter-lock, and centralized controller is group-group inter-lock. General access control: In inter-lock group, as long as one door is open, you cannot open other doors. Centralized access control: channels in the same group are not related, so you can open them as you wish, however, as long as one channel in a group is open, you cannot open channel in other groups.

The following takes centralized controller as an example:

- Step 1. After you enter access control module, select advanced function tab, in "Inter-Lock" tab, click New button **+ Add** to add inter-lock plan. First please select access control device in Device list. See Figure 14-52.

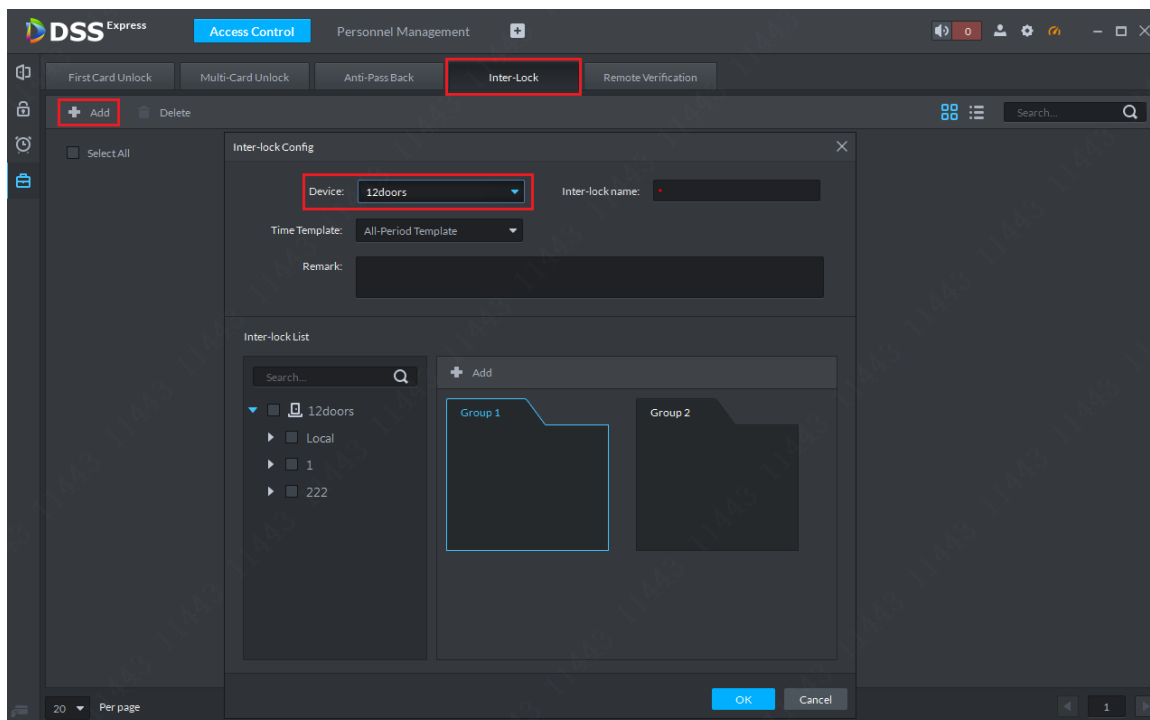


Figure 14-52

Step 2. In Add page, set inter-lock name, select period of plan, and add access control in each door group. If the default two groups do not meet you need, you can click “Add” button to add more groups. See Figure 14-53. Click “OK” to complete.

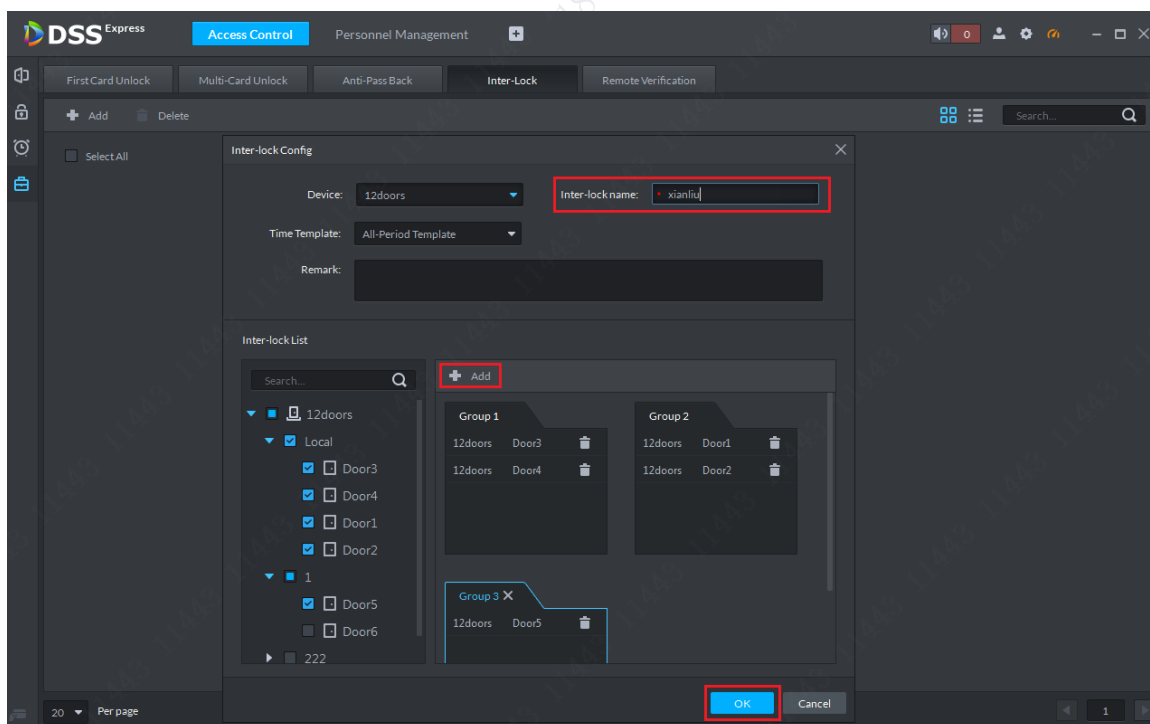


Figure 14-53

Step 3. Successfully added plan is shown in Figure 14-54.

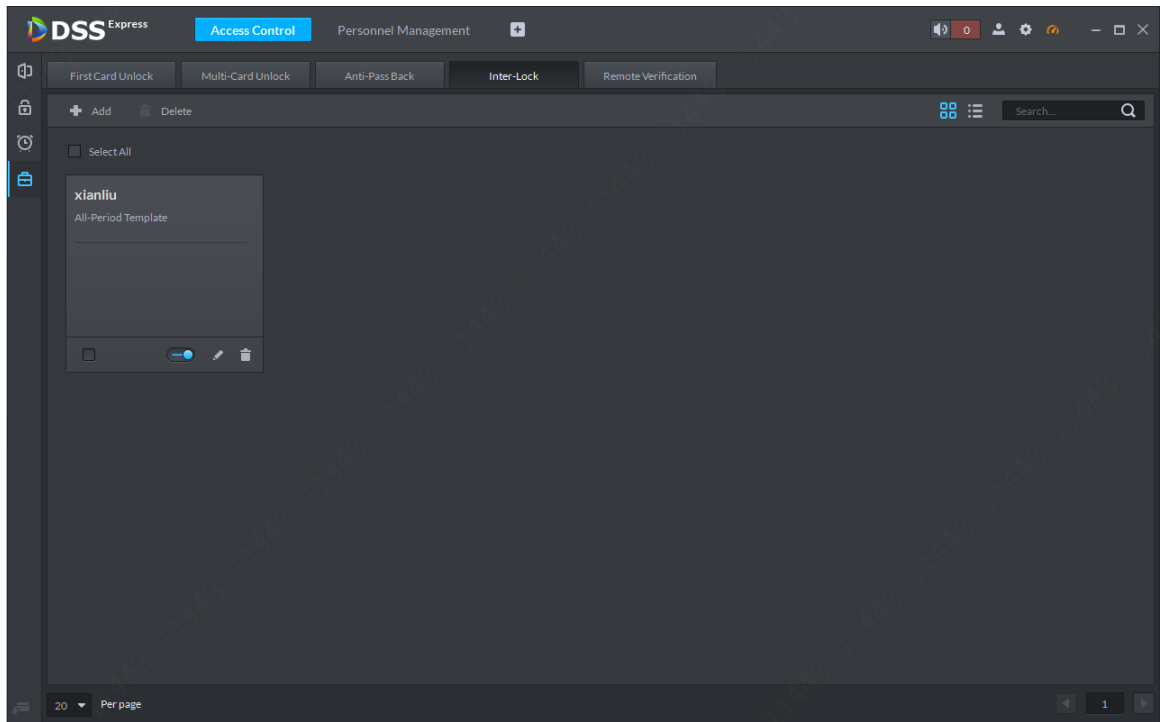


Figure 14-54

14.5.5 Remote Verification

Remote verification function note: set remote verification device, and within set period, when a user unlocks door via card, fingerprint, password and etc., he/she must click confirm box in Client to confirm unlock before he/she can unlock, steps:

- Step 1. Enter access control module and select advance function tab, in “Remote verification” tab, click New button **+ Add** to add remote verification plan, see Figure 14-55.

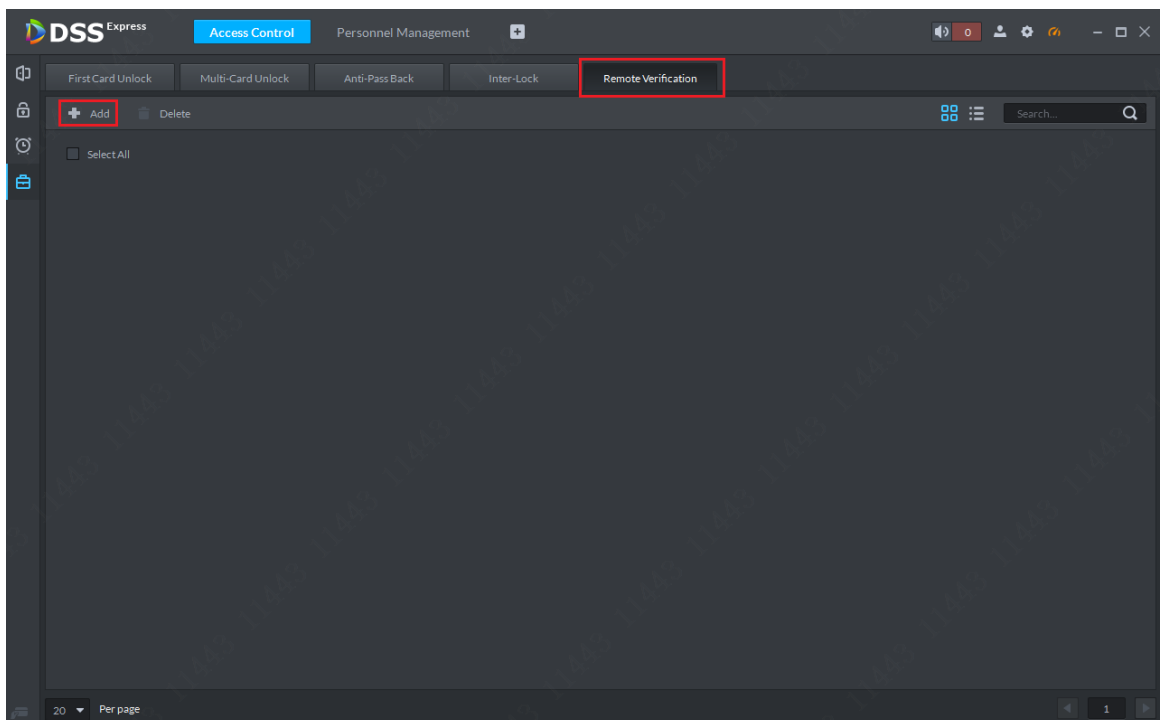


Figure 14-55

Step 2. In pop-up add page, select remote verification period and channel requiring remote verification. See Figure 14-56. Click “OK”button to complete.

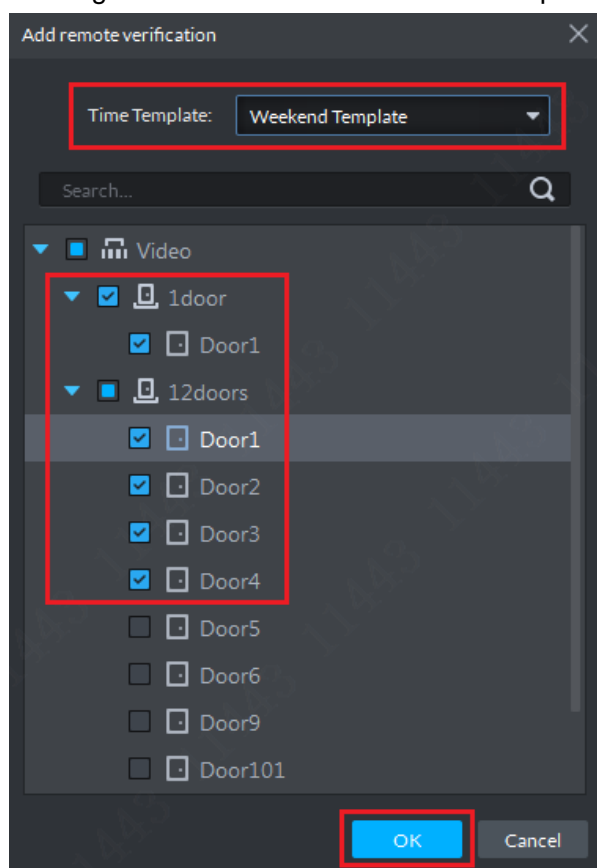


Figure 14-56

Step 3. After you complete adding, each channel can be independently opened and closes.

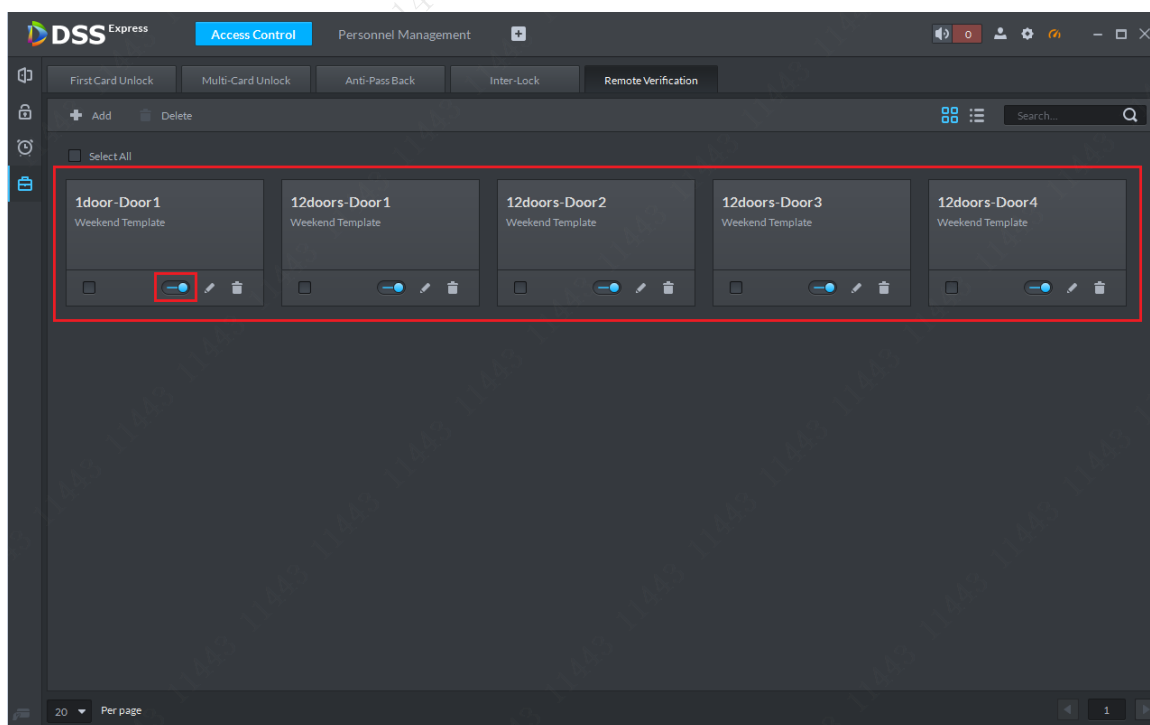


Figure 14-57

Step 4. When corresponding access control channel has operations of card, fingerprint,

password and etc., the Client will pop up box, so you can select to unlock or ignore it. Click corresponding button and the box will disappear.

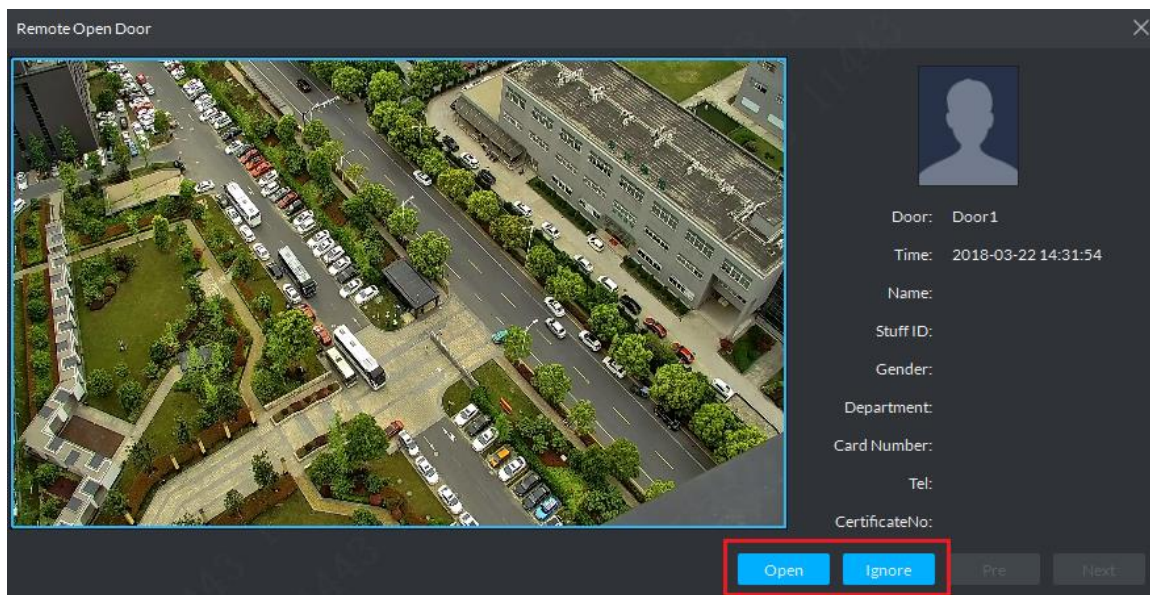


Figure 14-58

15 ANPR

15.1 Add ANPR Device

Step 1. In DSS Express Client homepage, click Device to enter device manager module.

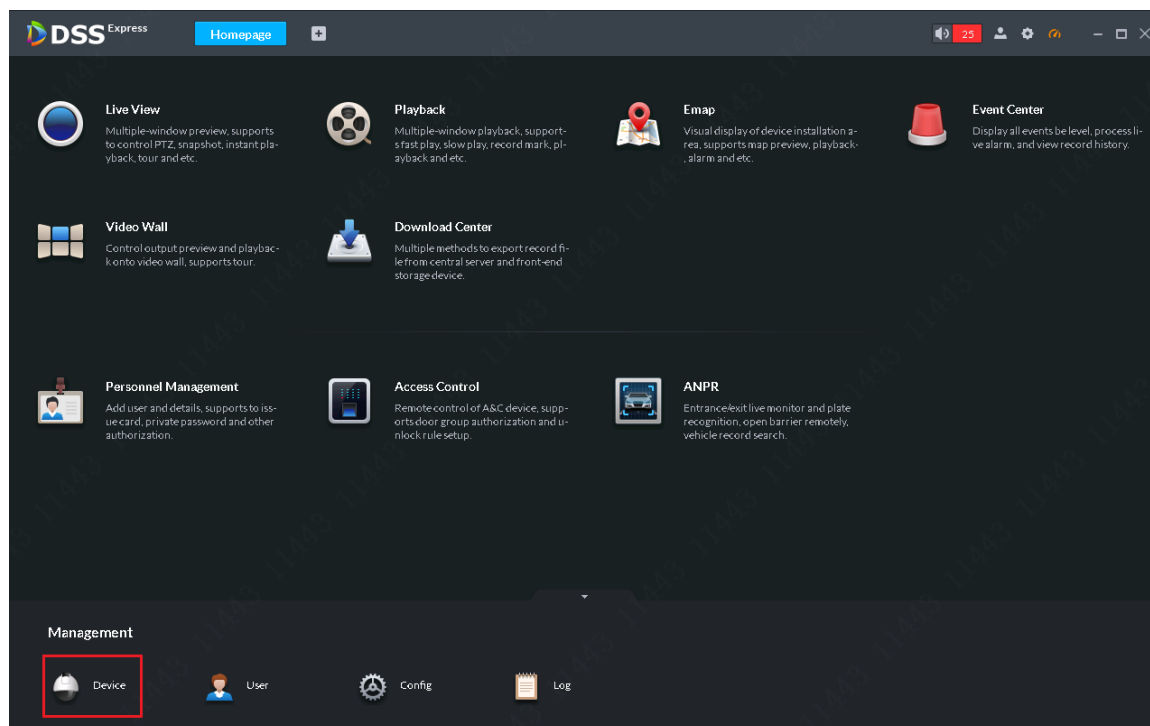


Figure 15-1

Step 2. In device manager page, click **+ Add** button, and then in pop-up box, select method to add device as by IP. Select ANPR for device type. According to instructions, fill in each info. Click Add button.

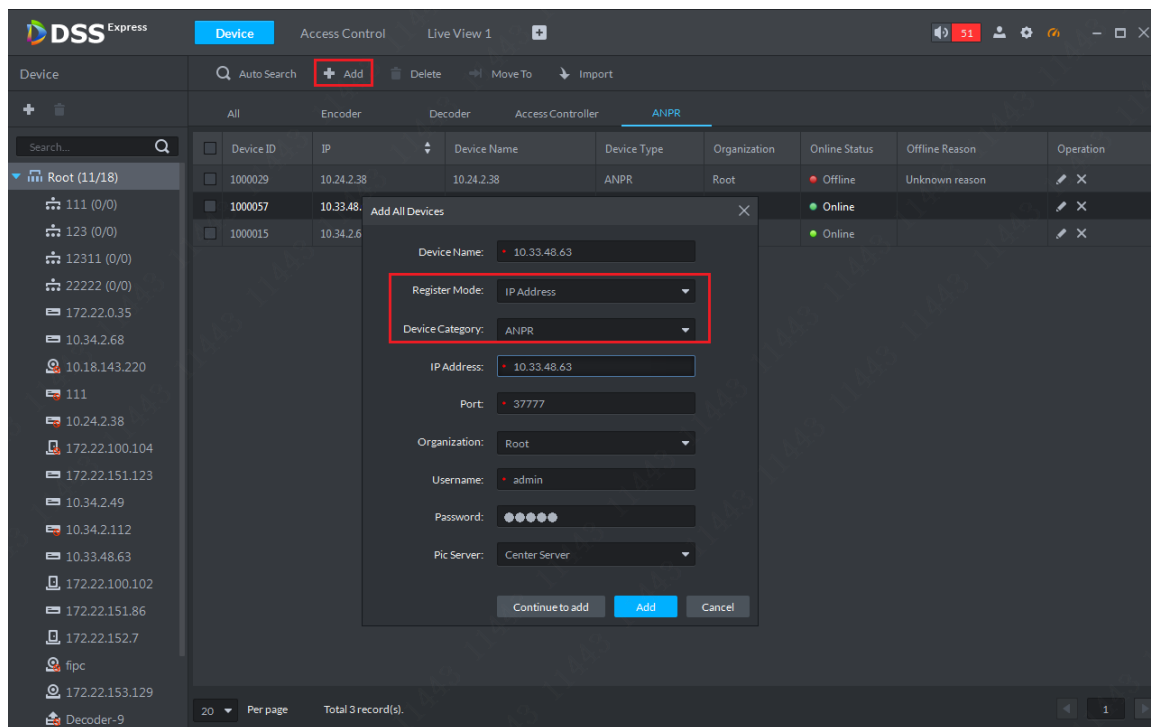


Figure 15-2

Step 3. After you add device, device list is shown below. Red is offline. Green is online.

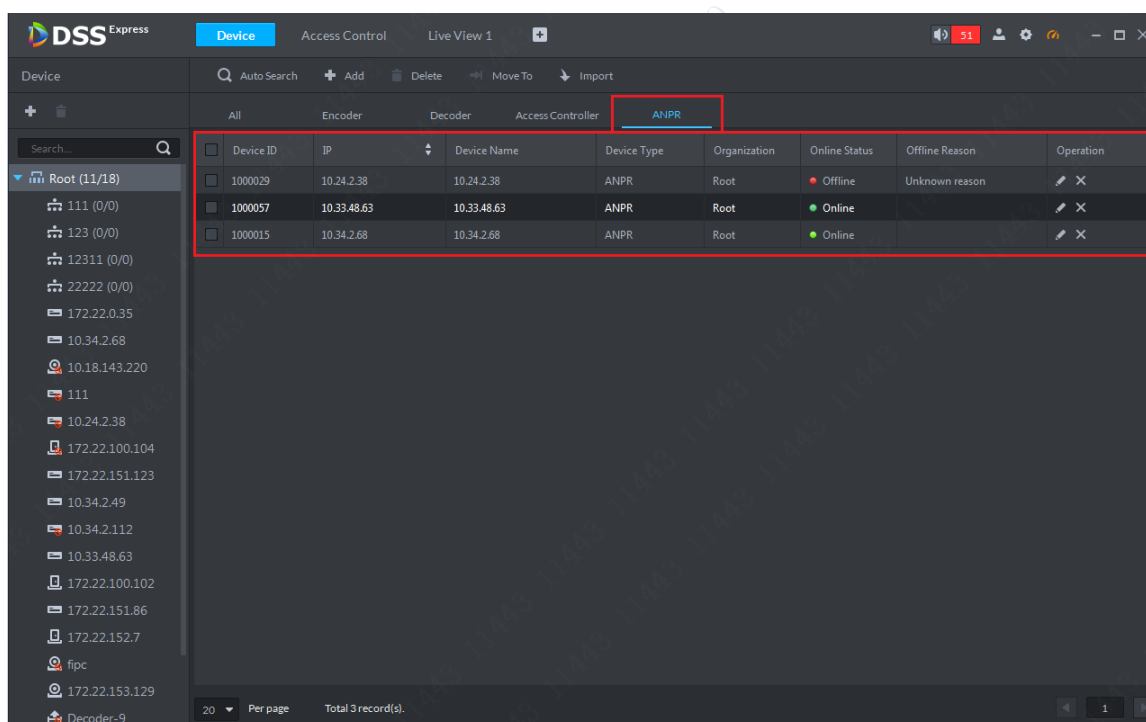


Figure 15-3

15.2 Picture Storage Keyboard Setup

You must set corresponding storage disk of ANPR channel before entering road surveillance application. If you do not set storage disk, all pictures from road surveillance will not be shown. See Ch 7.

15.3 Road Surveillance Application

15.3.1 Passed vehicle

Step 1. In Express Client homepage, click Entrance to enter road surveillance application.

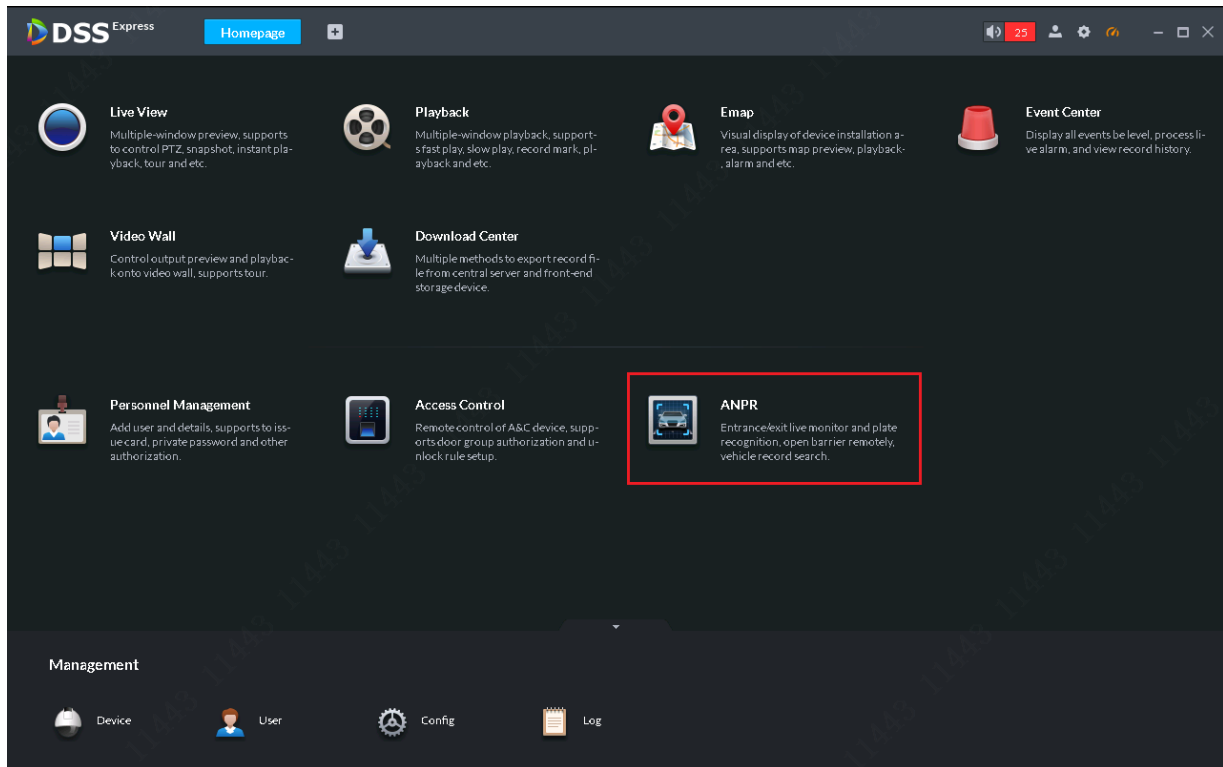


Figure 15-4

Step 2. In this page, select tab to enter road surveillance application. Default is single window of a electronic map, you can manually change number of windows.

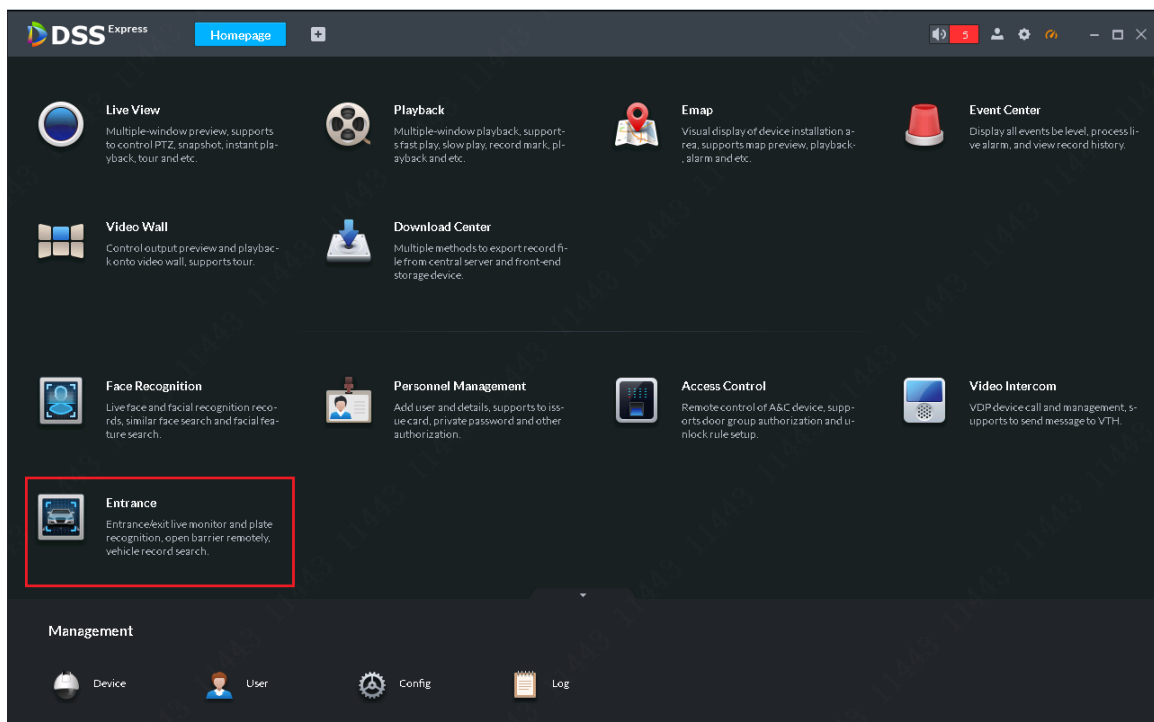



Figure 15-5

Step 3. In this shown page, click  button to select ANPR channel of passed vehicle.

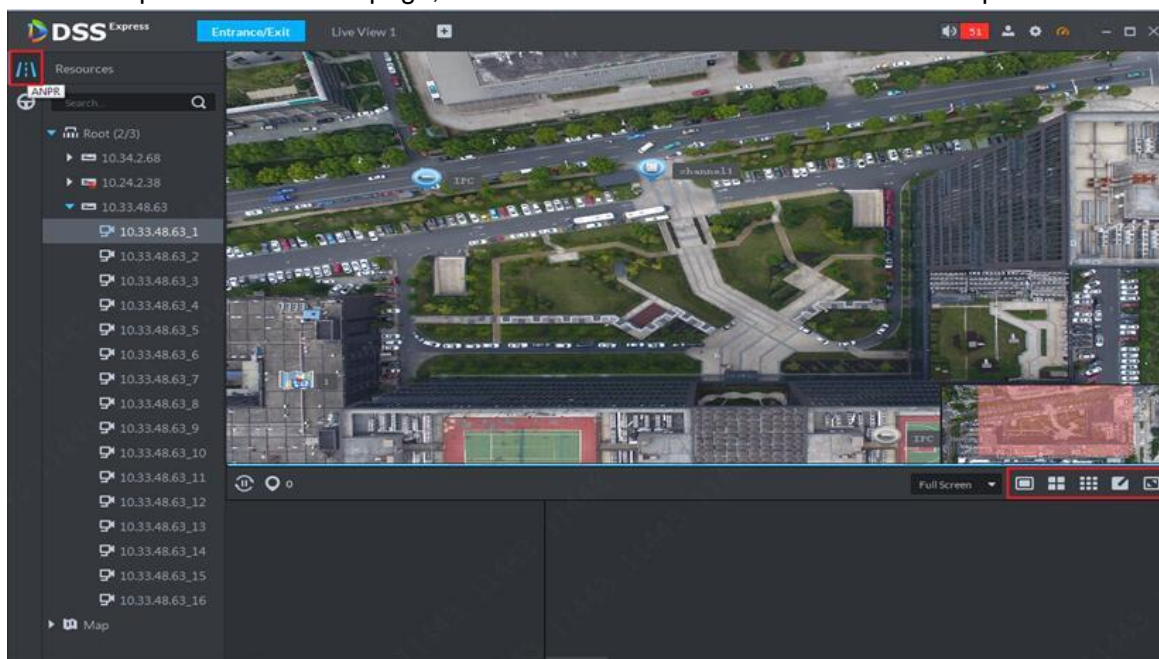


Figure 15-6

Step 4. In system pop-up page, select corresponding ANPR channel.

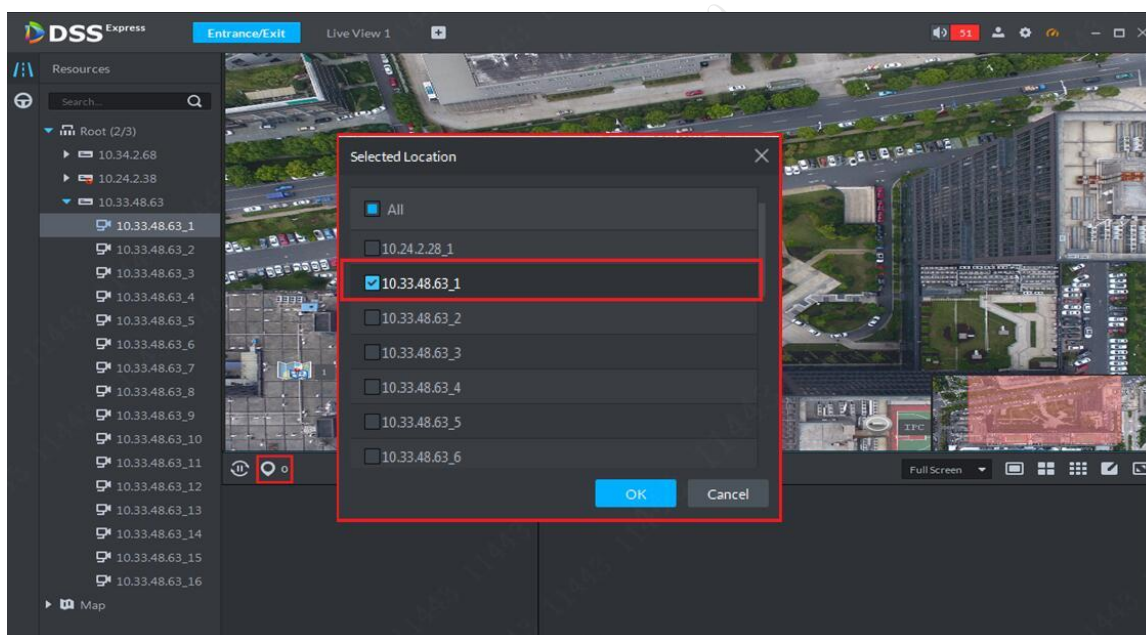


Figure 15-7

Step 5. After you select channel, system will mark the selected channel, and show the latest picture of passed vehicle in picture scrolling area.

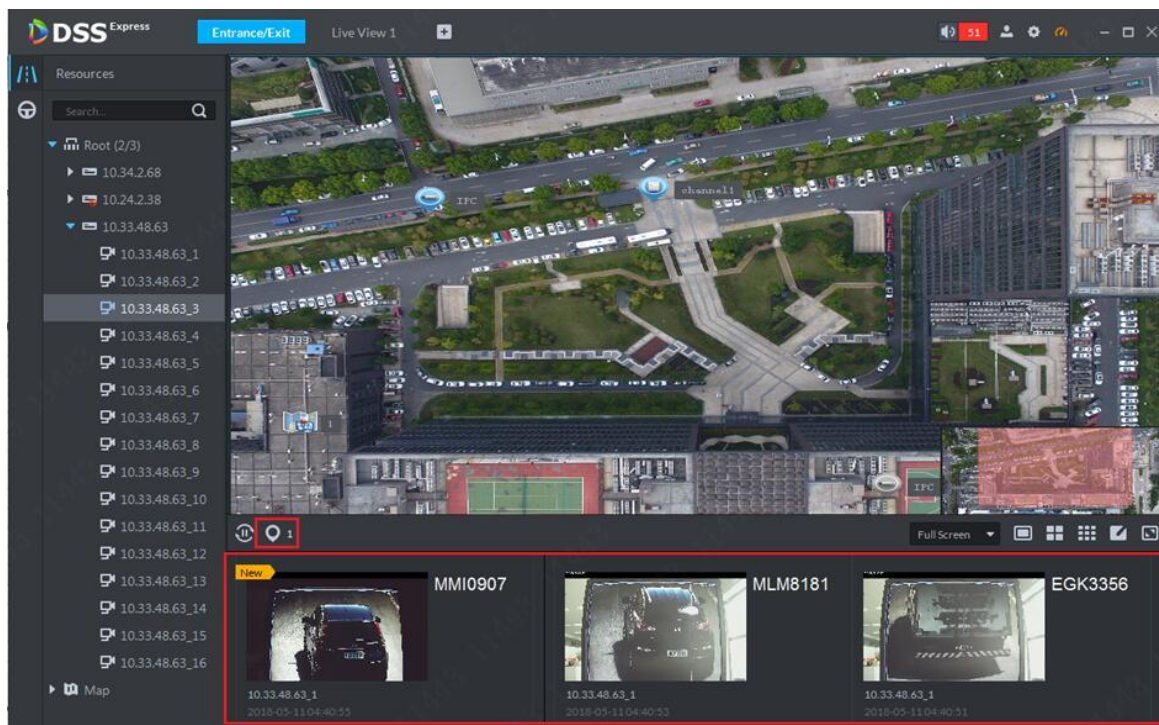


Figure 15-8

Step 6. Double click picture to view picture detail, including plate no., snapshot time, ANPR channel name, logo, vehicle color and etc.

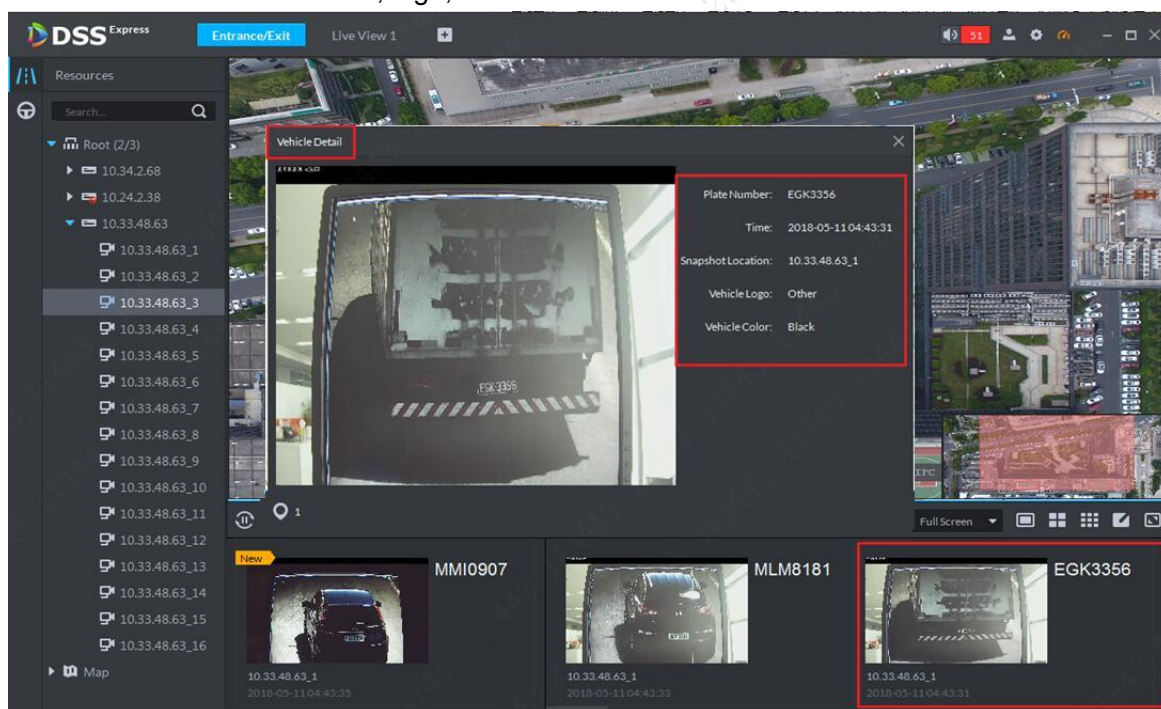


Figure 15-9

Step 7. Refresh pause. In actual application, if you want to pause refresh of passed vehicle record, click button shown below.

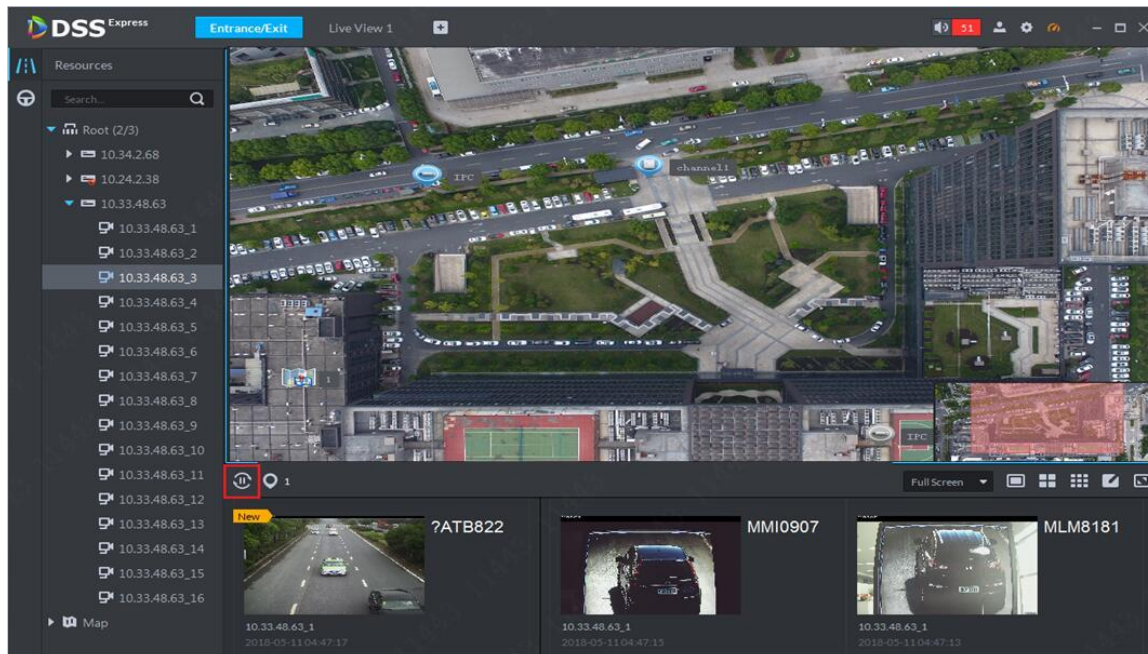



Figure 15-10

15.3.2 Passed Vehicle Record Search

In actual application, you can search record of passed vehicle.

Step 1. In road surveillance application, click  button to enter search page.

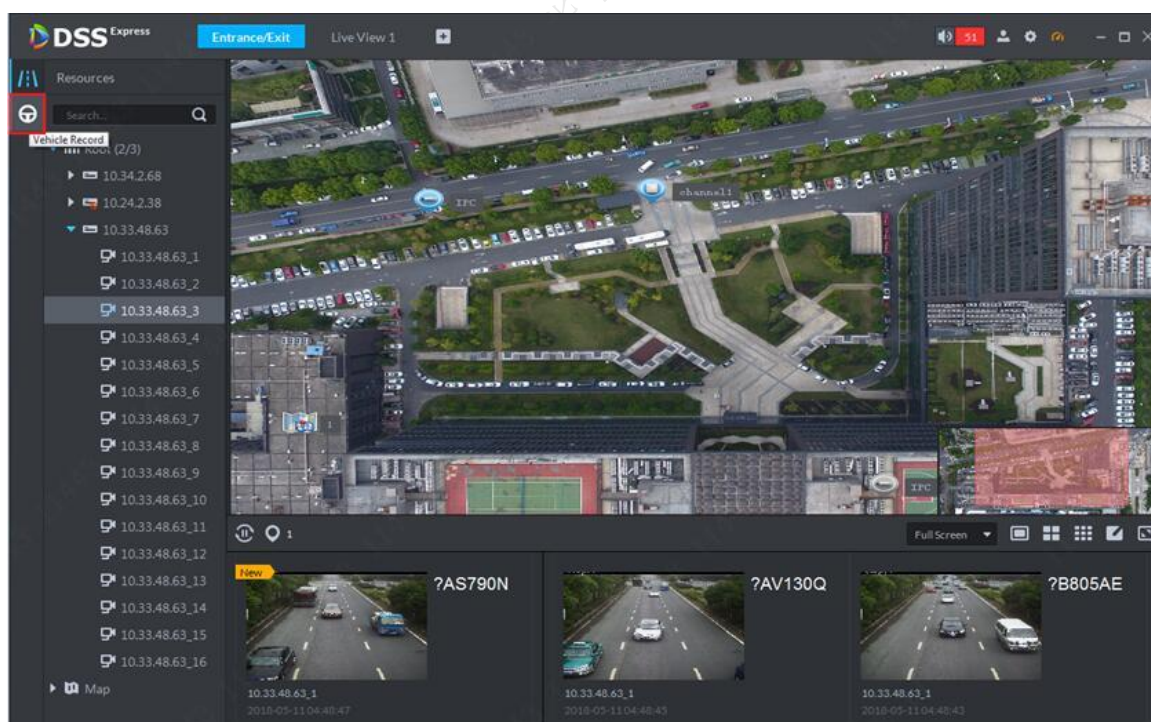


Figure 15-11

Step 2. Enter passed vehicle record search page. First select channel to search accordingly, and then select search time, plate no., plate color, vehicle type, logo, vehicle color, speed and etc. Click Search button.

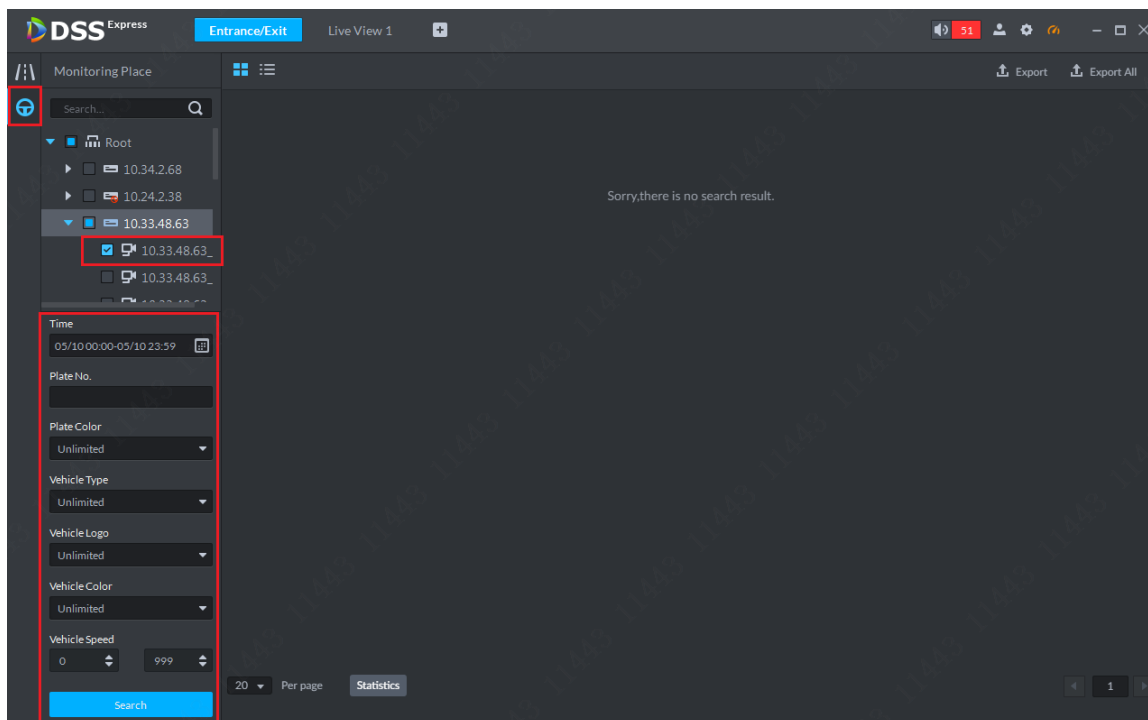


Figure 15-12

Step 3. Result is shown below. There are thumbnail and list modes of display. Here uses thumbnail.

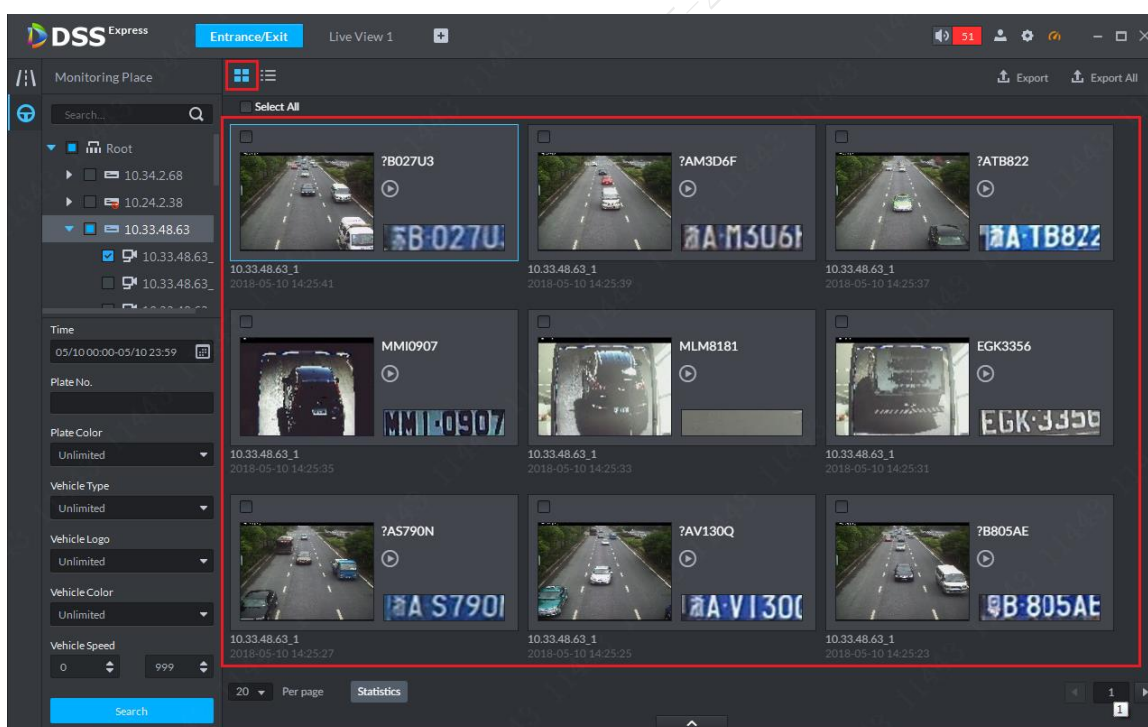


Figure 15-13

Step 4. Double click picture to view details, including: zoom in vehicle picture, plate no., snapshot time, ANPR channel name, lane, speed, plate color, vehicle type, logo, vehicle color.

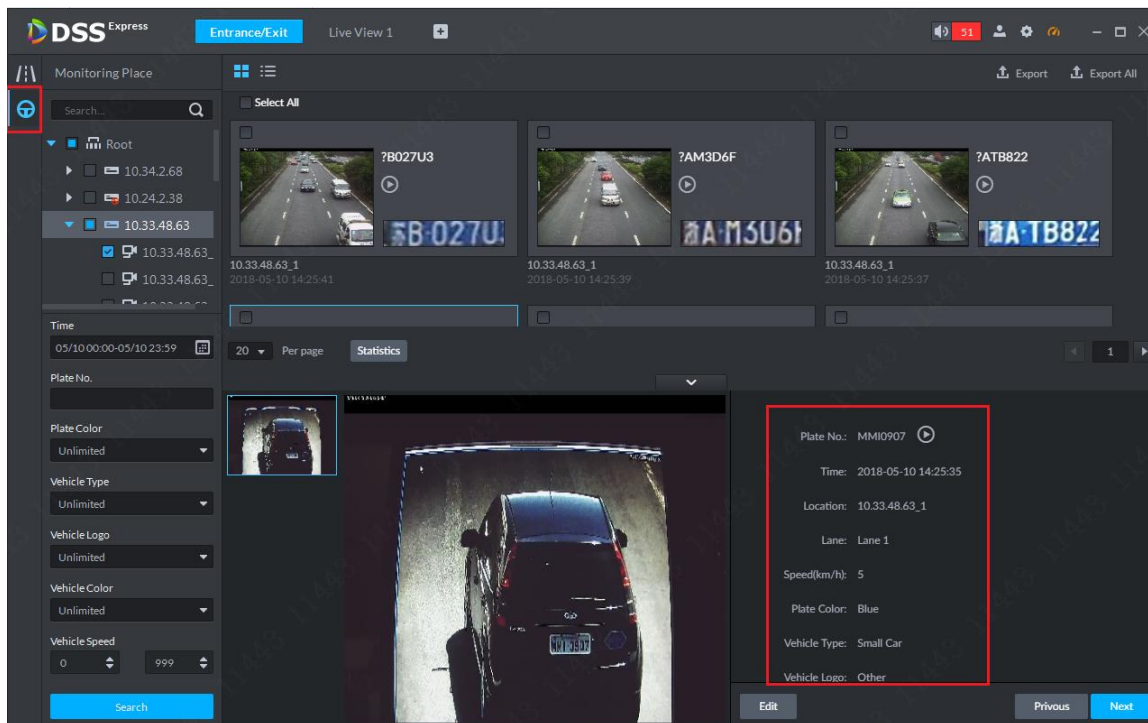


Figure 15-14

Step 5. If the system recognize some mistake in vehicle detail, you can click **Edit** button to manually change.

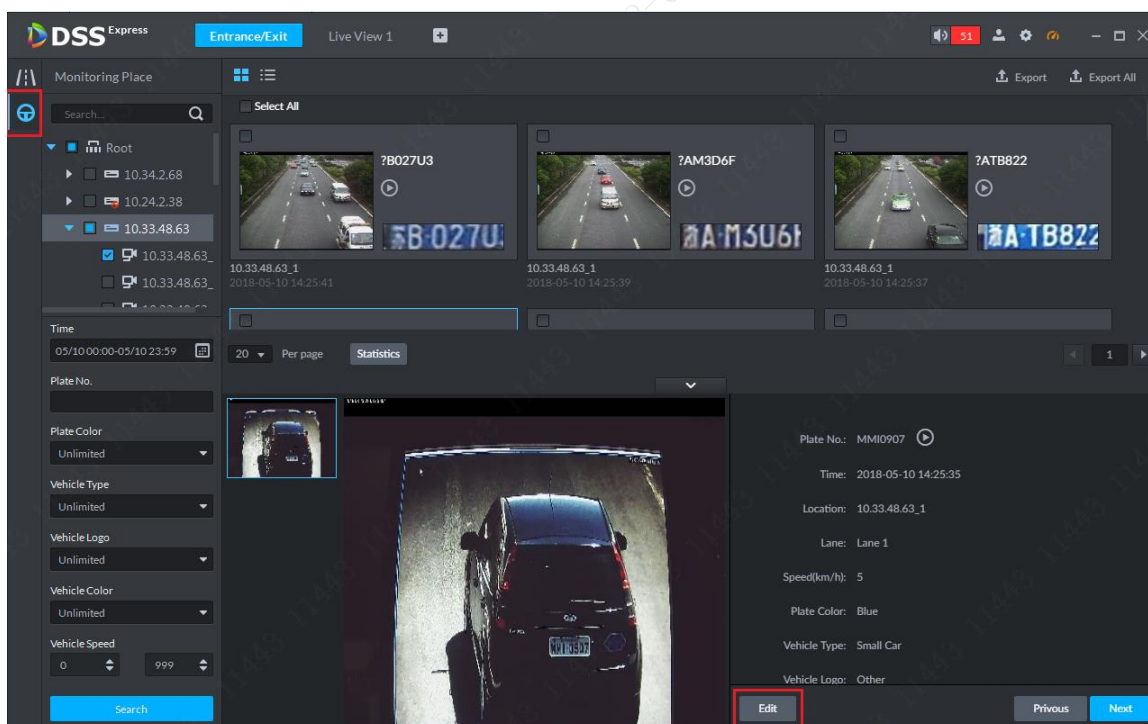


Figure 15-15

Step 6. Editable content: plate no., plate color, vehicle type, logo, vehicle color. Click Save button to save and if you want to cancel edited content, click Cancel.

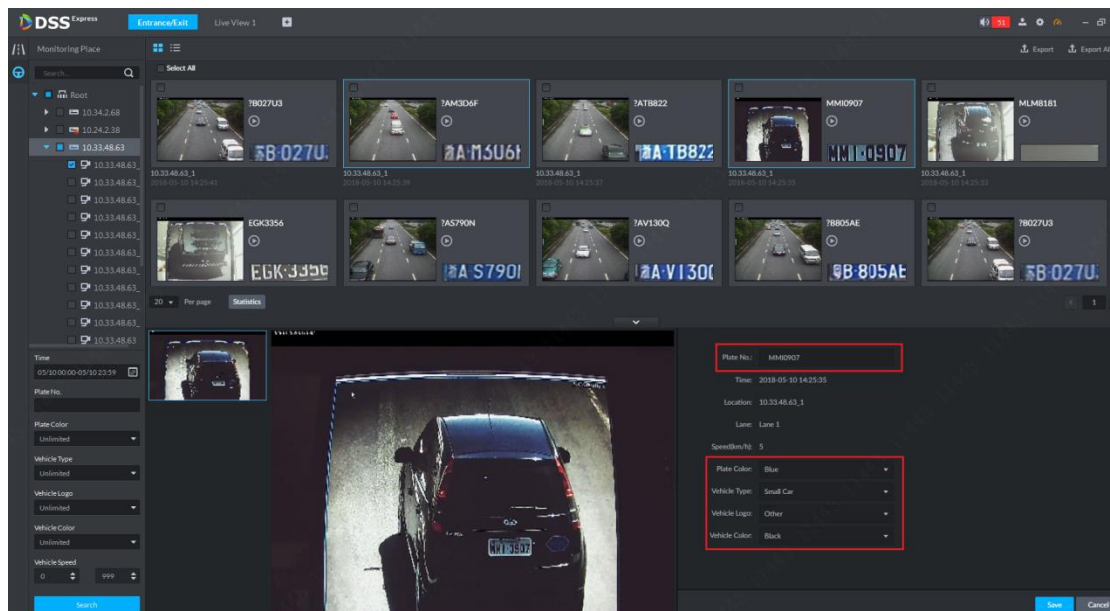



Figure 15-16

15.3.3 View Passed Vehicle Record

You must set general record plan for the ANPR channel before you can view passed vehicle record. Method of setup is similar with video channel, see Ch 6.3.

In passed vehicle record search result, select  of corresponding passed vehicle record or click Play button in detail to view scenes before and after snapshot.

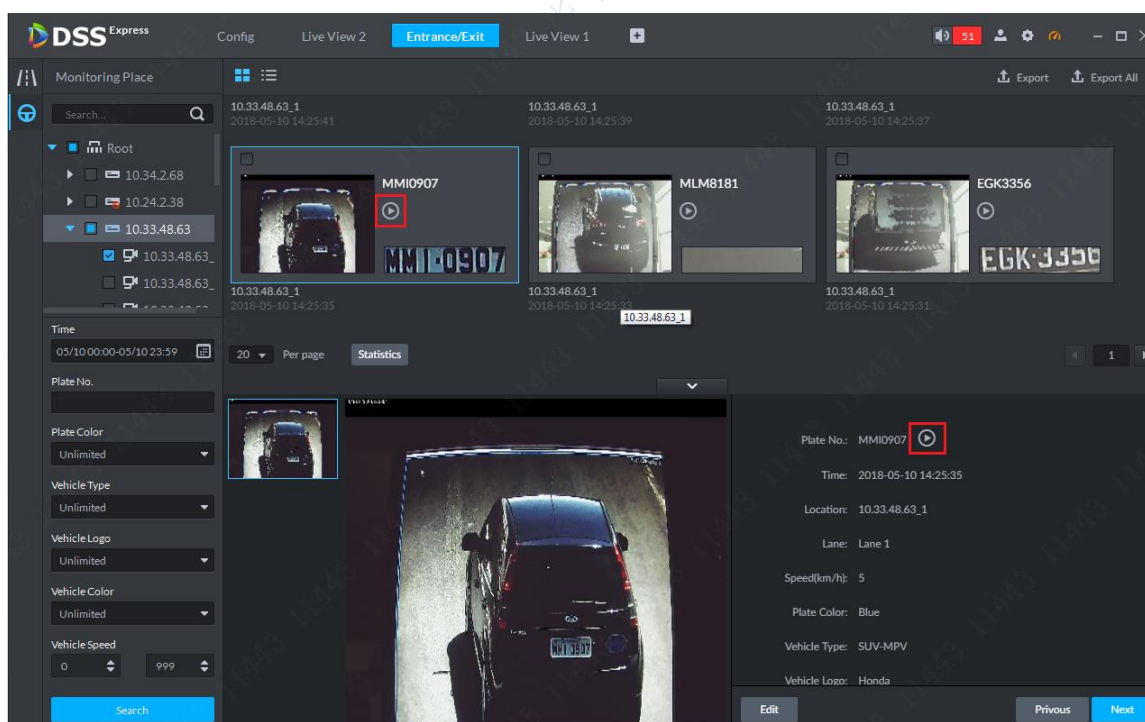


Figure 15-17

15.3.4 Export Passed Vehicle Record

A user can export some or all of passed vehicle record.

Step 1. In passed vehicle record search result, check record you want to export, click Export button. You can export all records.

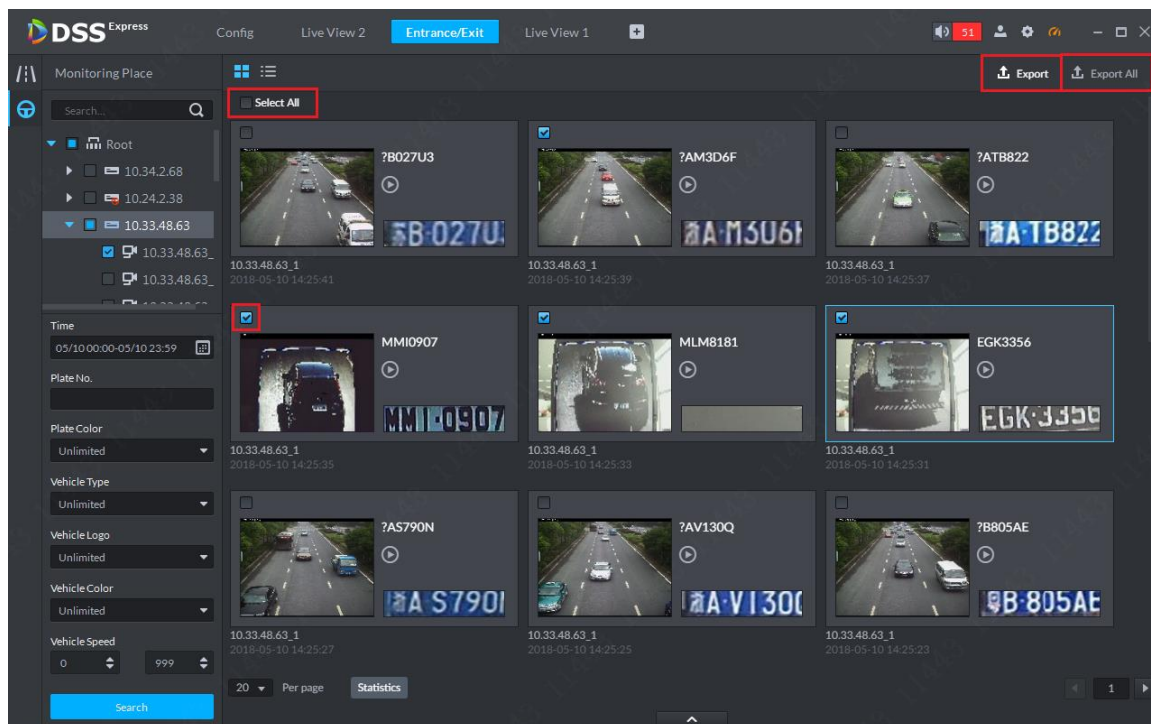


Figure 15-18

Step 2. Please select storage path following system prompt. You can see the following figure is successful.

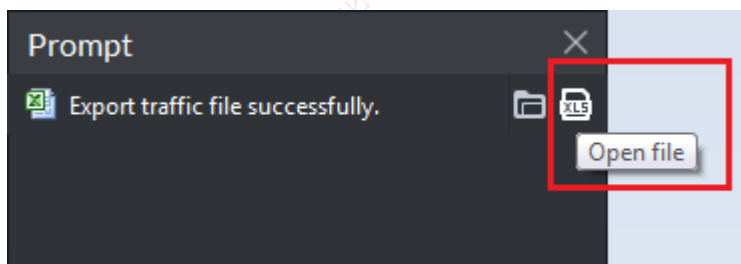


Figure 15-19