

Figure 17–46

## 17.5.4 File list

Step 1. Click “File” tab.

System shows record files, as in Figure 17–47.

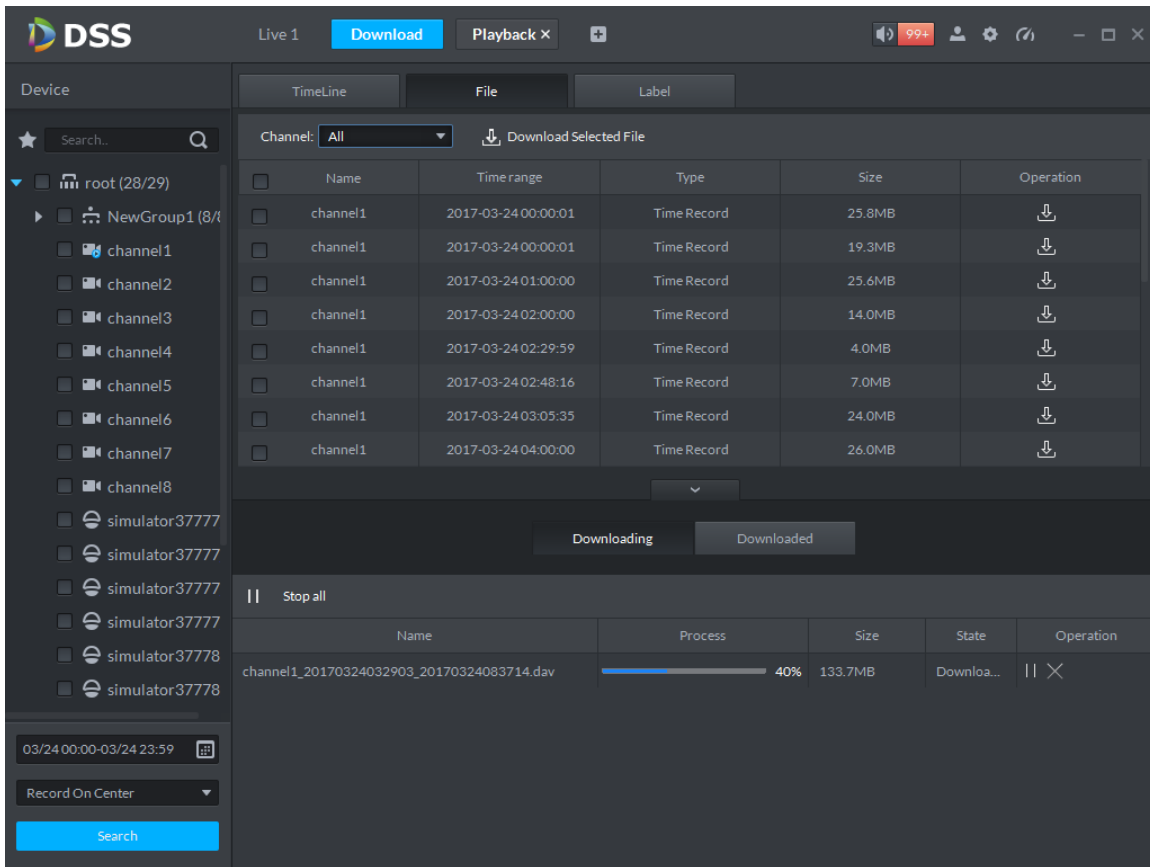



Figure 17–47

Step 2. Directly click  in the “Operation” column, or check multiple files and click “Download Selected Files”.

Download process shows directly at the bottom of the interface.

### 17.5.5 Label

Step 1. Click “Label” tab.

System display record files with labels, as in Figure 17–48.

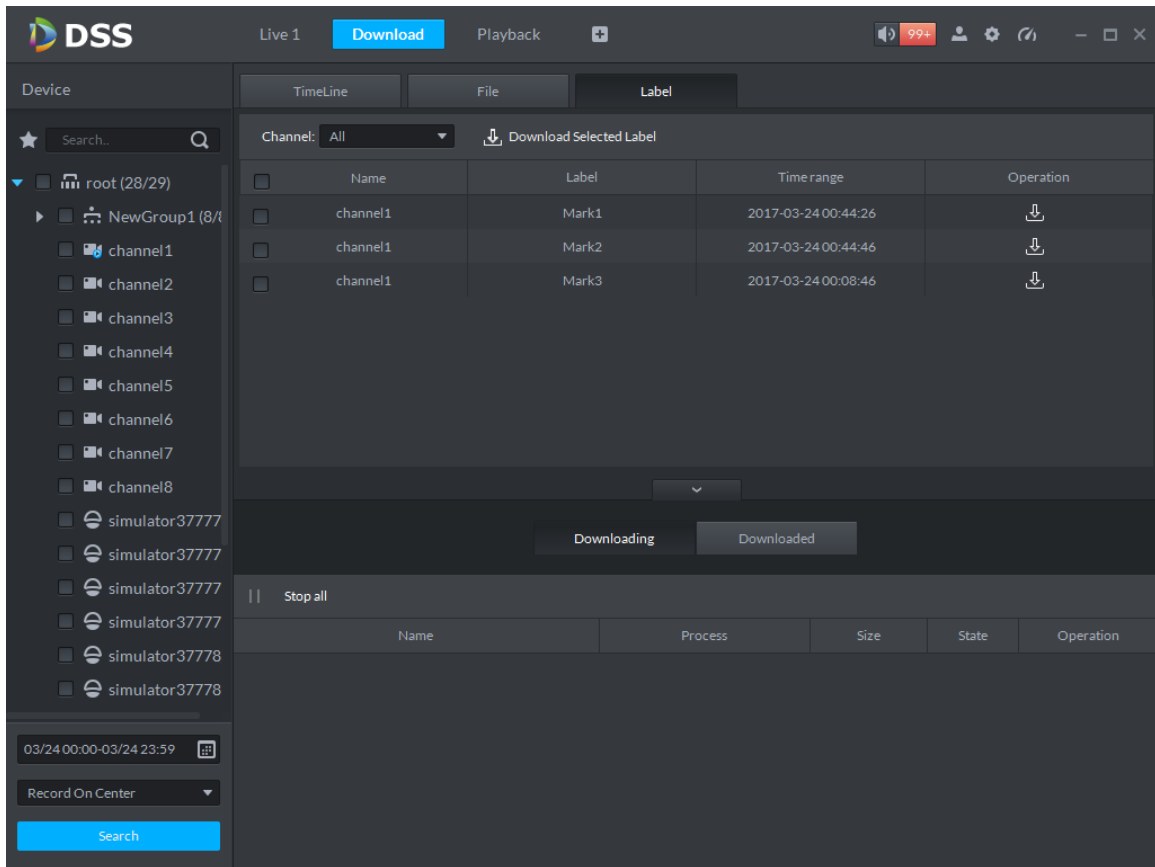



Figure 17–48

Step 2. Directly click  in the “Operation” column, or check multiple files and click “Download Selected Files”.

Download process shows directly at the bottom of the interface.

## 17.6 Download Management

### 17.6.1 Downloading

If there are record files in downloading process, download process shows under the “Downloading” tab at the bottom of the interface, as in Figure 17–49.

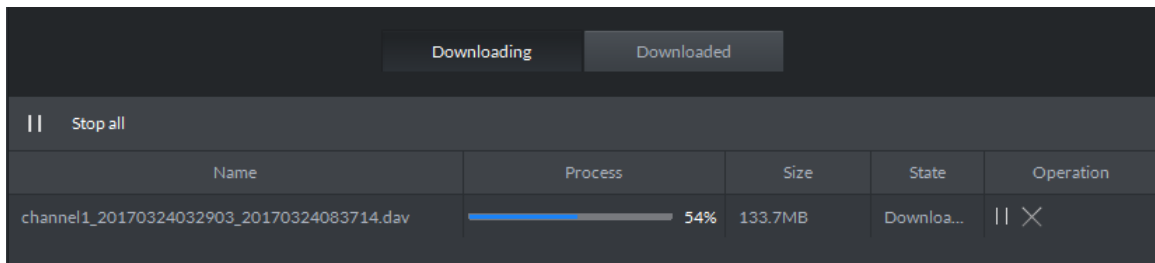


Figure 17–49

### 17.6.2 Completed

Files completing download shows under the “Downloaded” tab, as in Figure 17–50.




Downloading      Downloaded			
Name	Position	Size	Operation
channel1_20170324000001_201703240100...	C:/DSS Professional/DSS Control Client/Record/channel1_2017...	25.8MB	
channel1_20170324032903_201703240837...	C:/DSS Professional/DSS Control Client/Record/channel1_2017...	133.7MB	

Figure 17–50

Click  to jump to storage path of the record file.

# 18 Alarm

## 18.1 Intro to Flow

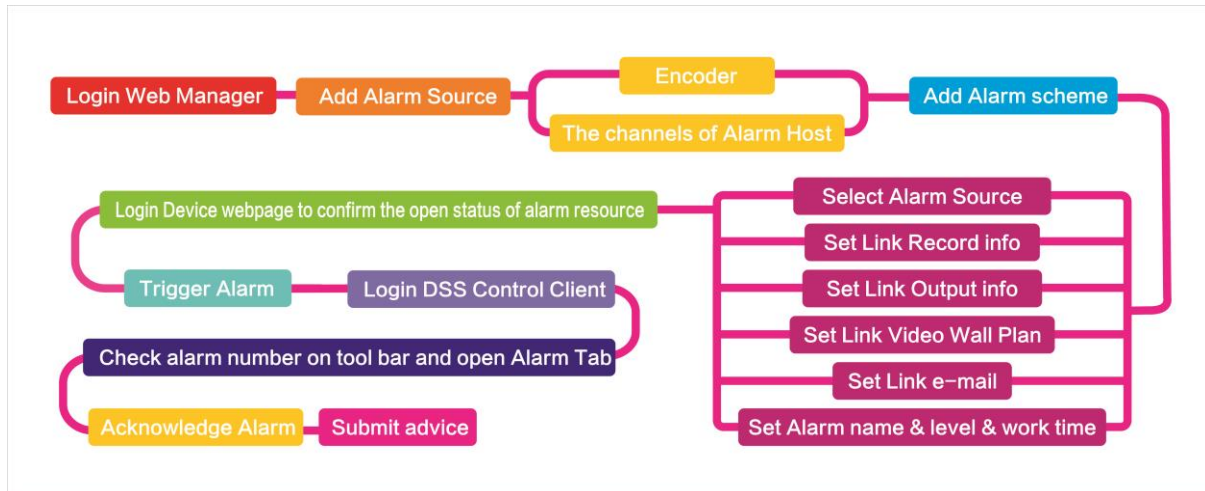



Figure 18-1

## 18.2 Add Alarm Source

DSS platform supports to add alarm. You shall add alarm source on device. For different devices, you shall set different alarm types. For example, the device is a NVR, the following is steps of setup.

Step 1. Directly login web, or on DSS Manager, go to Device interface, click  next to NVR device.

Step 2. Open EVENT tab.

Step 3. Click VIDEO DETECTION. Video detection includes Motion Detect, Video Loss, Tampering, Video Diagnose. For example, set Motion Detect, see Figure 18-2.

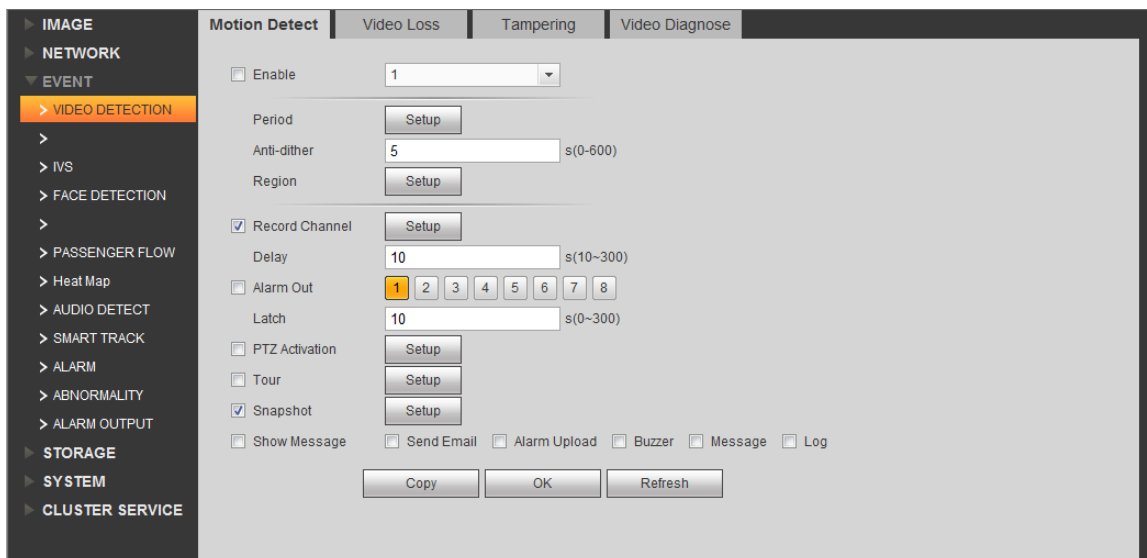


Figure 18-2

Parameter	Note
Enable	Enable.
Period	Set monitoring period.

Parameter	Note
Anti-dither	Set anti-dither period.
Region	Set monitoring region.
Record Channel	Record channel.
Delay	Set alarm delay time.
Alarm Out	Select alarm output.
PTZ Activation	PTZ activation.
Tour	Select alarm video exit.
Snapshot	Set snapshot channel.
Show Message	Send Email: send email when alarm occurs. Alarm Upload: report alarm to DSS platform. Here you shall check, otherwise the platform will not receive alarm. Buzzer: prompt alarm. Message: send message of alarm. Log: log created when alarm occurs.

Chart 18-1

Step 4. Set parameter, click OK.

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

For example, to set Local Alarm in ALARM tab.

Step 1. Select ALARM>Local Alarm, see

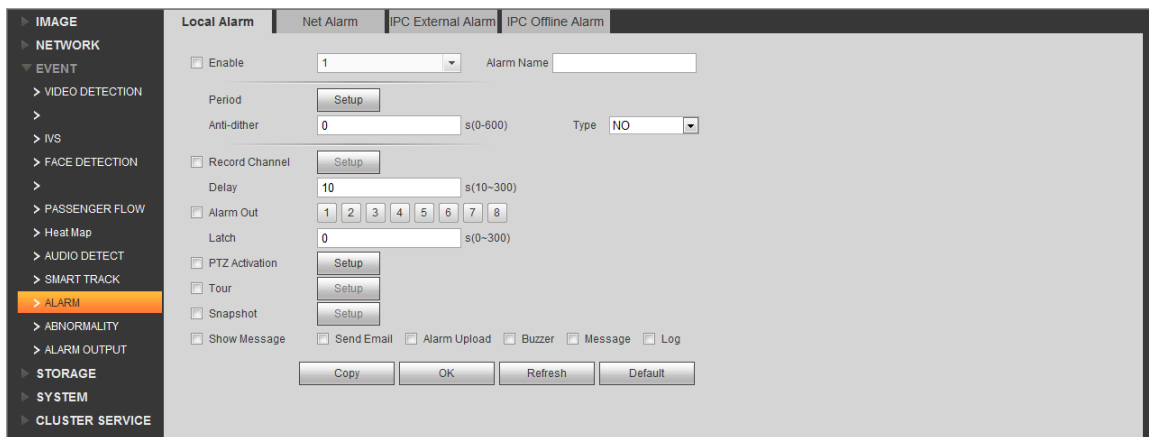


Figure 18-3

Parameter	Note
Enable	Enable
Alarm Name	Alarm name
Period	Set alarm period.
Anti-dither	Anti-dither
Type	Type
Record Channel	Record channel.
Delay	Set alarm delay time.
Alarm Out	Select alarm output.
PTZ Activation	PTZ activation.

Parameter	Note
Tour	Select alarm video exit.
Snapshot	Set snapshot channel.
Show Message	Send Email: send email when alarm occurs. Alarm Upload: report alarm to DSS platform. Here you shall check, otherwise the platform will not receive alarm. Buzzer: prompt alarm. Message: send message of alarm. Log: log created when alarm occurs.

Chart 18-2

Step 2. Set parameter, click OK.

## 18.3 Add Alarm Device

For example, too add ARC5805C-C.

Step 1. Login PC of this platform, ping ARC5808C-C to connect the platform.

Step 2. Login DSS Manager.

Step 3. Click Device, see Figure 18-4.

IP Address	Type	Port
172.10.1.30	DVR	37777
172.10.1.34	NVR	37734
172.10.1.40	Unknown	37777
172.10.1.62	NVD	37777

Encode	IP Address	Device Name	Type	Org	Status	Offline Cause	Operation
1000010	172.10.3.102	MDVR102	MDVR	root	Offline	Main connection failed.	
1000005	172.10.1.123	172.10.1.123	DVR	root	Offline	Main connection failed.	
1000002	172.10.3.66	172.10.3.66	Smart IPC	ipc IPC112abc杭州	Offline	Main connection failed.	
1000035	10.33.10.27	10.33.10.27	DVR	root	Online		
1000033	10.33.10.135	moni-q-ins	IPC	root	Online		

Figure 18-4

Step 4. Click Add.

Step 5. In Device Category, select Alarm Host, enter device IP, see Figure 18-5.

**Add All** [X]

**1. Login Information.**    1.Login Information    2.Device Information

Protocol: Dahua

Manufacturer: Dahua

Add Type: IP Address

Device Category: Alarm Host

IP Address: \* 10.15.23.102

Device Port: \* 37777

User: \* admin

Password: \*\*\*\*

Org: root

Video Server: Center Server

[Add]    [Cancel]

Figure 18-5

Step 6. Set protocol, manufacturer, add type, organization and etc. Click Add, see Figure 18-6.

**Add All** [X]

**2. Device Information.**    1.Login Information    2.Device Information

Device Name: \*

Device SN:

Role: Administrator, Operator

Alarm Input Channel:

Alarm Output Channel:

[Back]    [Continue to add]    [OK]

Figure 18-6

Step 7. Click OK.


Because platform server and alarm device have time interaction, so new device show OFFLINE status, you can click other tab and return to Device tab, or refresh Device interface,



the device will become ONLINE.

## 18.4 Create Alarm Scheme

Step 1. Login DSS Manager.

Step 2. Click  next to Home. See Figure 18-7.

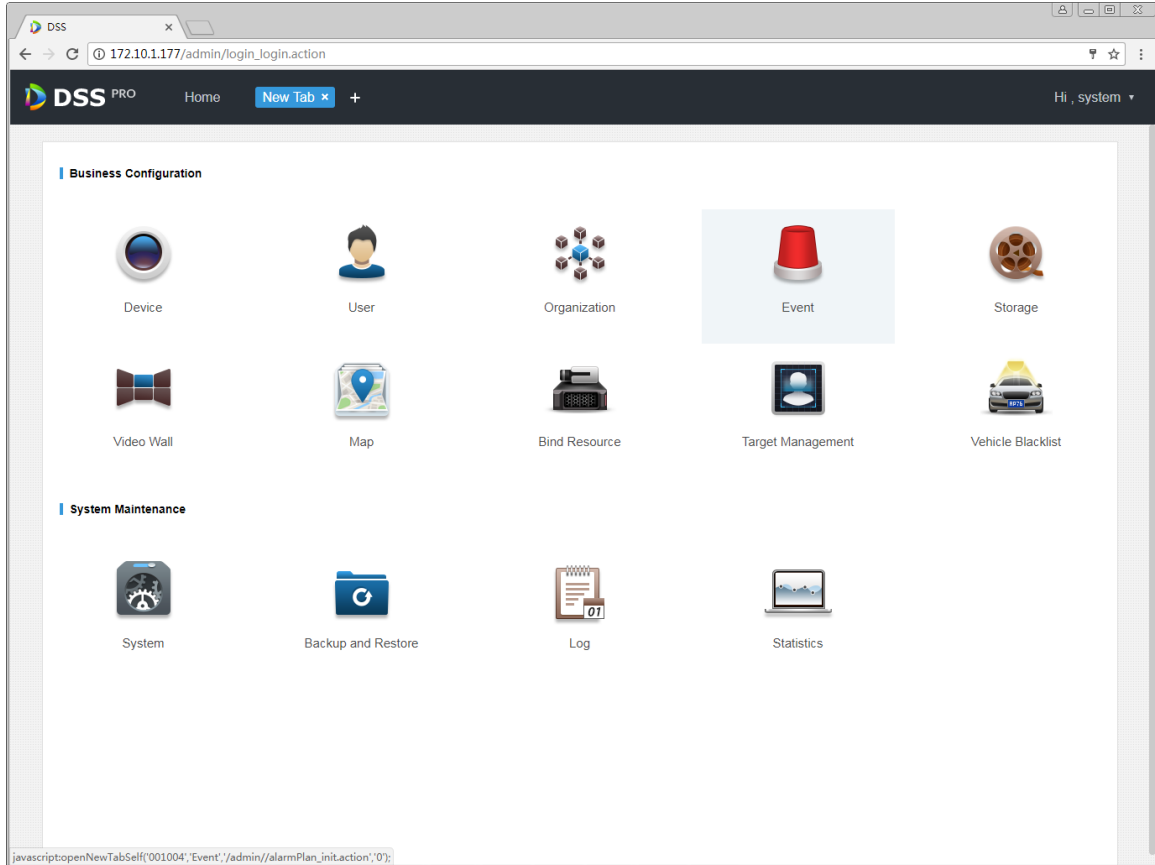


Figure 18-7

Step 3. Click Event, see Figure 18-8.

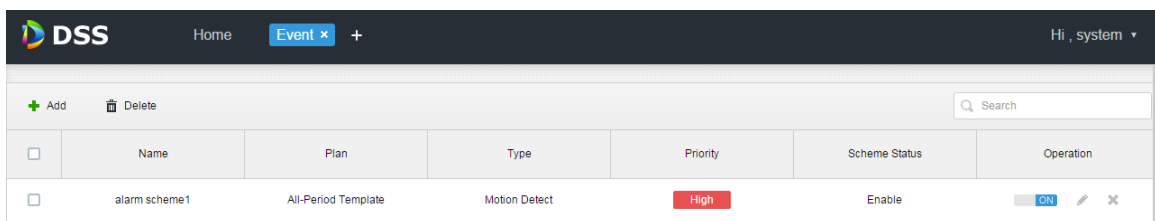


Figure 18-8

Step 4. Click Add, see Figure 18-9.

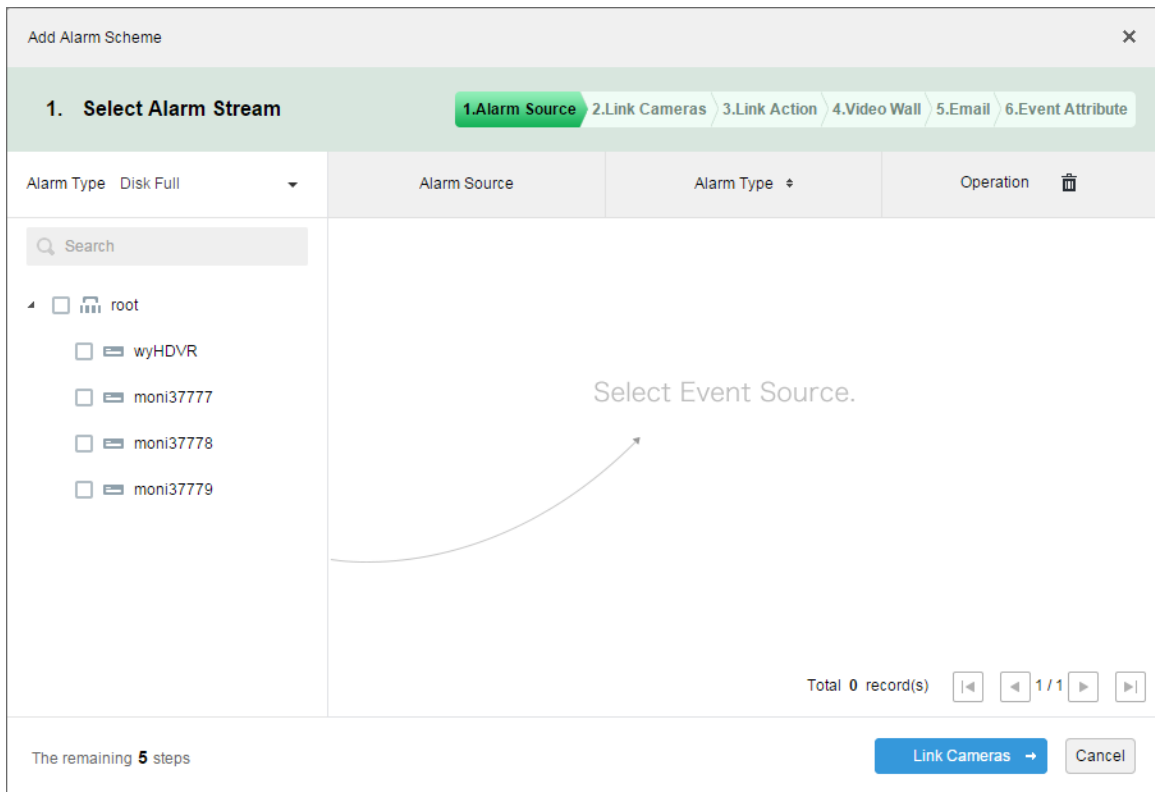


Figure 18-9

Step 5. On the left, select alarm type in alarm type dropdown list, and check device in device tree below, see Figure 18-10.

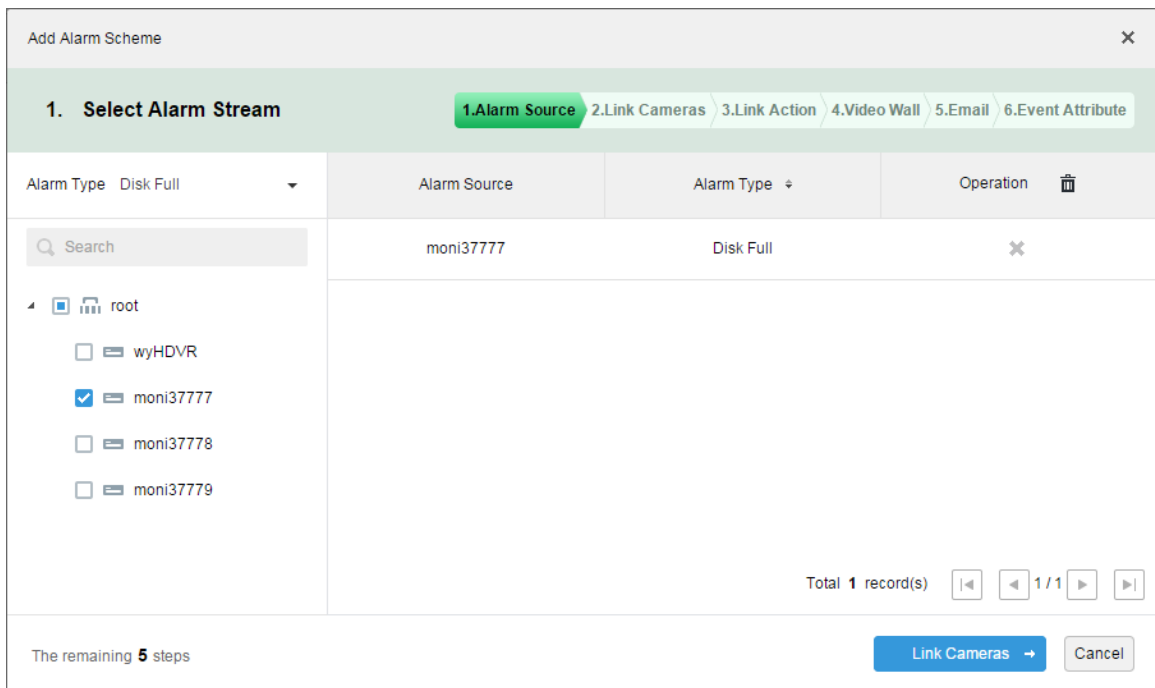


Figure 18-10

Note:

Alarm type includes:

- Device: disk full, disk failure, device offline.
- Video channel: video loss, motion detect, tampering, channel offline.
- Alarm input channel: external alarm.

- System: high temperature alarm, Raid degrade, server auto shift, server manual shift, server status change, host spare and etc.
- Alarm controller: alarm controller alarm, fire alarm, zone invalid, low battery, city grid outage.
- Thermal image: thermal image flame point alarm, hot point abnormal alarm.

Step 6. Click link camera.

Step 7. On the left, check video channel. On the right, check position, record stream, enter record time, prerecord time. Determine to check “Snapshot a picture of camera when alarm is triggered” and “Open camera video on client when alarm is triggered”. See Figure 18-11.

Note:

If you want to set prerecord, then you must select device with device record.

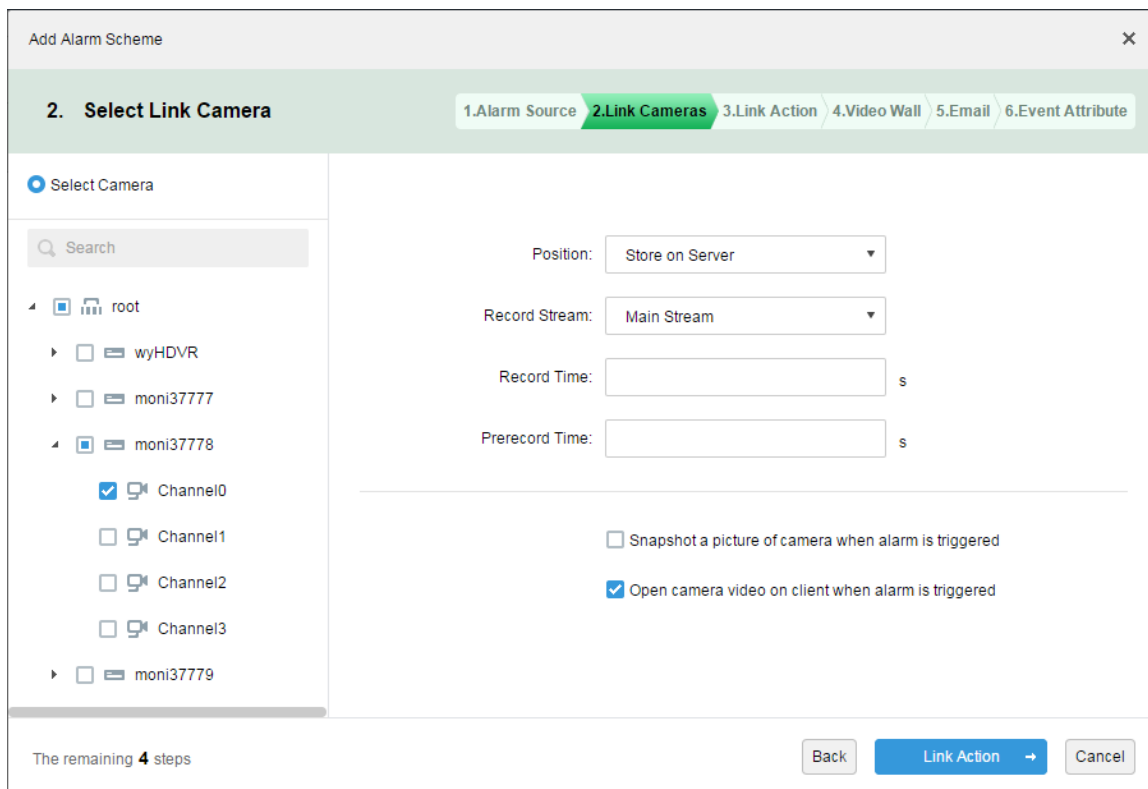


Figure 18-11

Step 8. Click Link Action.

Step 9. Check alarm output channel, set duration. Click PTZ tab on the left, check speed down device, and preset position on the right, see Figure 18-12.

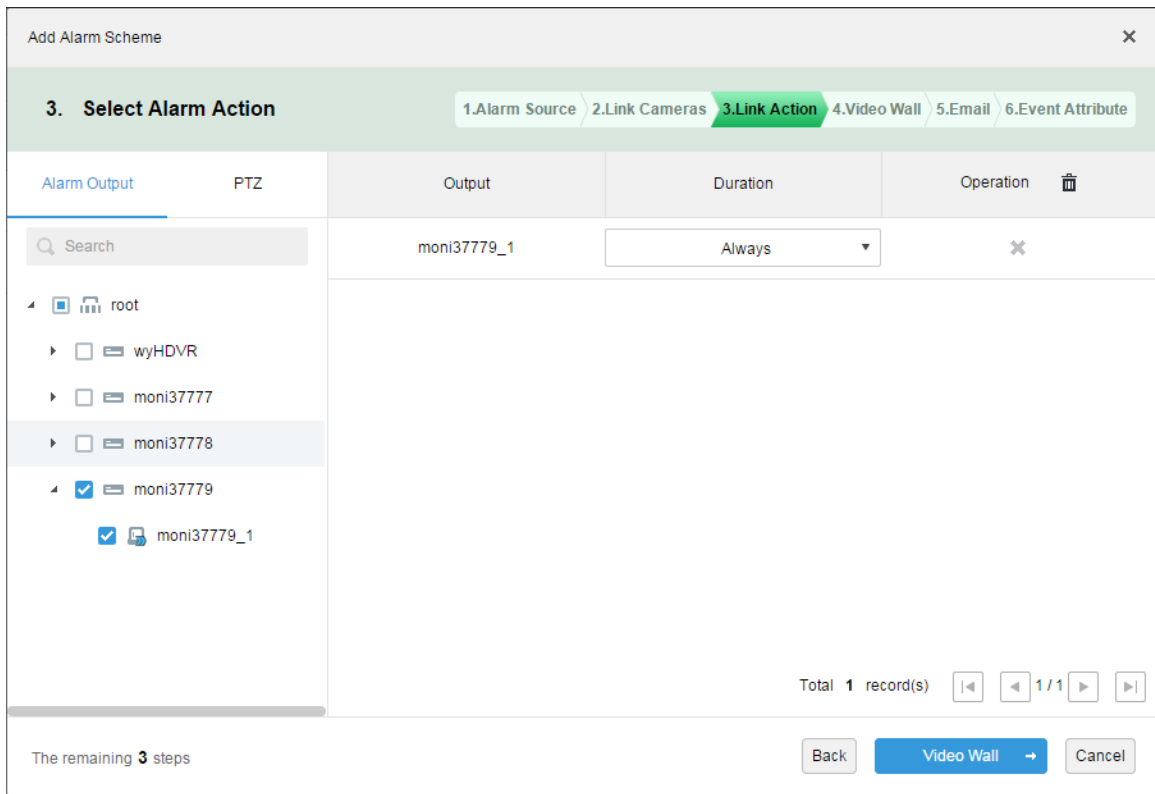


Figure 18-12

Step 10. Click Video Wall.

Step 11. Create video wall.

Step 1. Click add video wall.

Step 2. Enter video wall name, select window layout, see Figure 18-13.

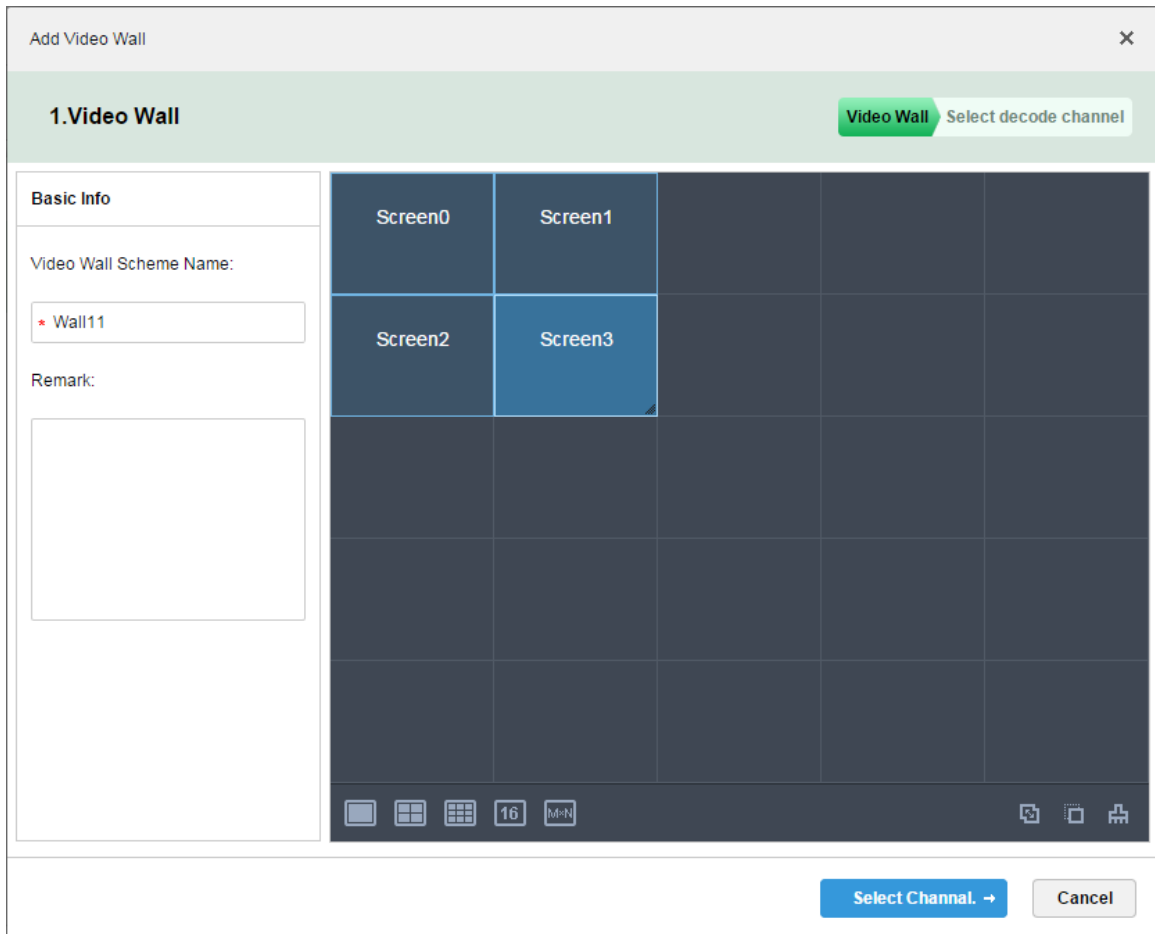


Figure 18-13

Step 3. Click Select Channel.

Step 4. In device tree, select decoder you want to bind, and drag it to corresponding video wall. See Figure 18-14.

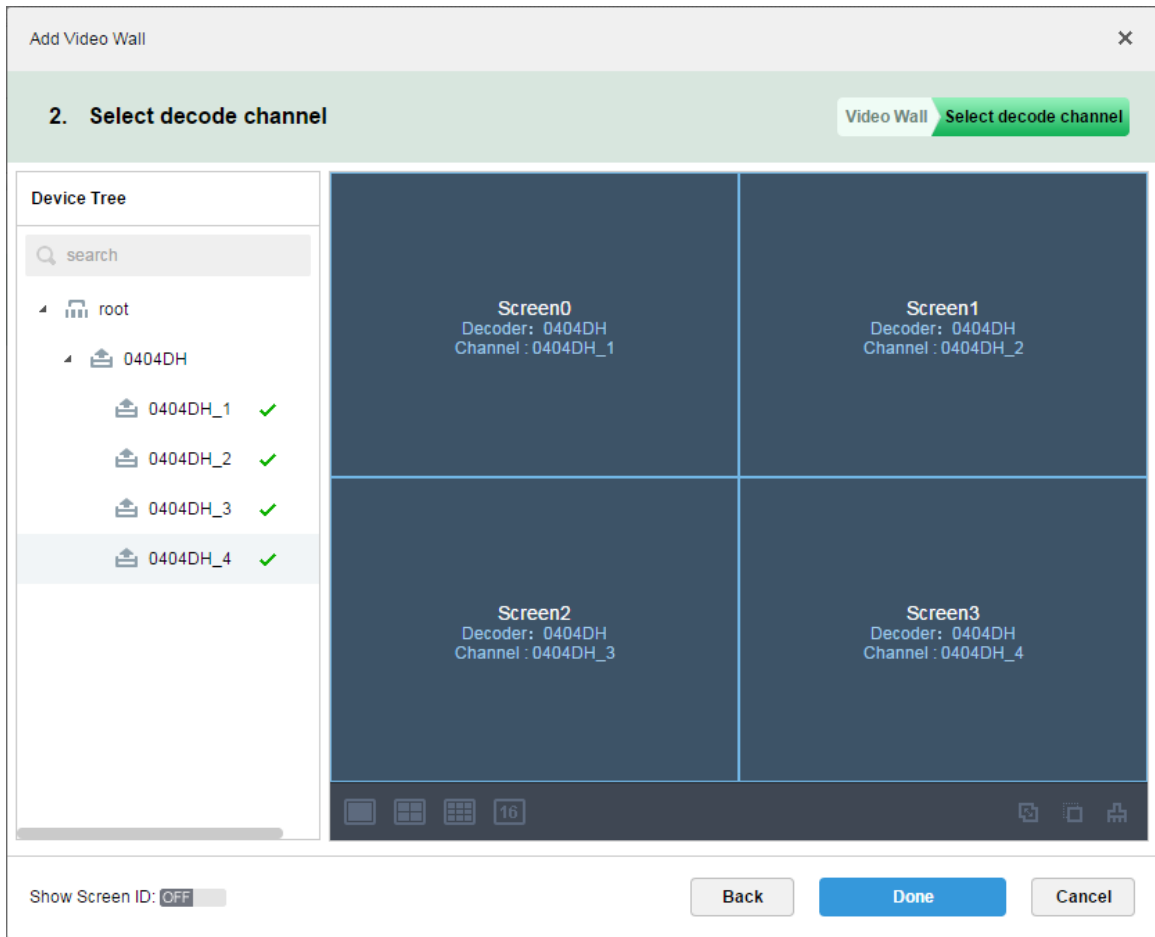


Figure 18-14

Step 5. Click Done, see Figure 18-15.

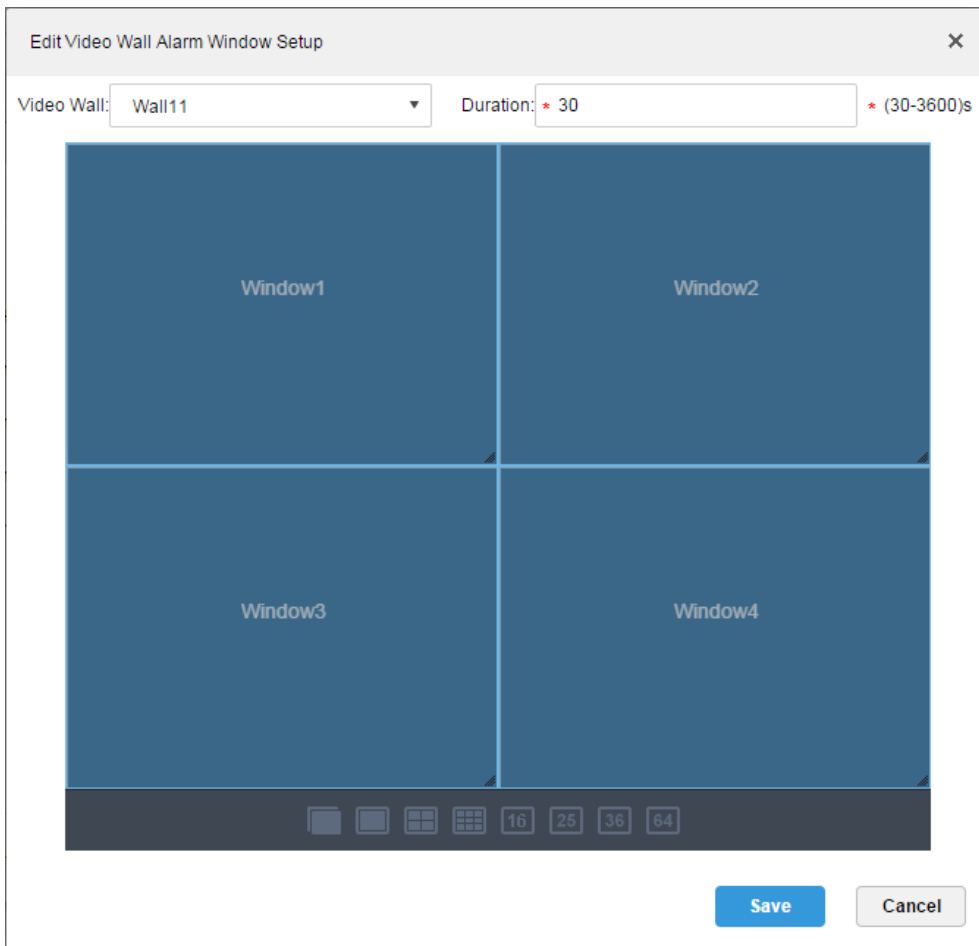


Figure 18-15

Step 6. Click Save.

Step 12. In video wall interface, check device on the left and channels are shown on the right. Select corresponding video wall and window, see Figure 18-16.

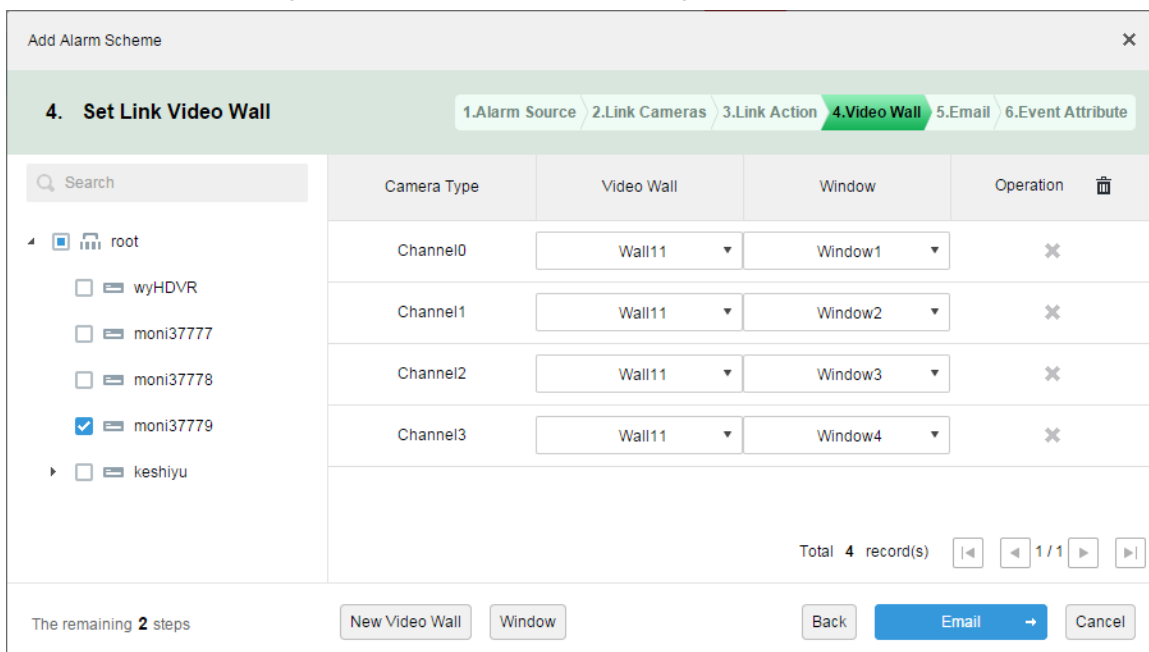


Figure 18-16

Step 13. Click Email, the system shows Set Email to Receive Alarm Info interface, see Figure 18-17. Check user to receive email.

	Username	Email
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>	wytest	wang_ying1@dahuatech.com

The remaining 1 steps

Back

Event Attribute →

Cancel

Figure 18-17

Step 14. Click Event Attribute.

Step 15. Enter name, select time template, priority, see Figure 18-18.

Name:

Time Template:

Priority:

The remaining 0 steps

Back Done Cancel

Figure 18-18

Note:

You can select current time template, or add time template, see Ch 9.1.2.

Step 16. Click Done. In alarm scheme interface, click ON, see Figure 18-19.



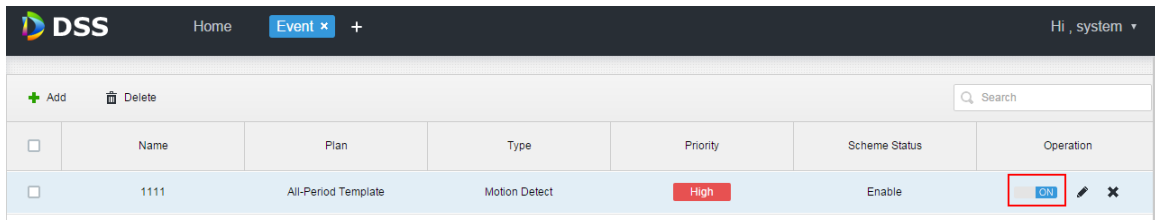


Figure 18-19

## 18.5 Alarm Link Video Preview

Function note: When an alarm occurs, open user linked video channel in preview window or pop-up window on Client.

Step 1. Login DSS Manager.

Step 2. Click **+** next to Home. See Figure 18-20.

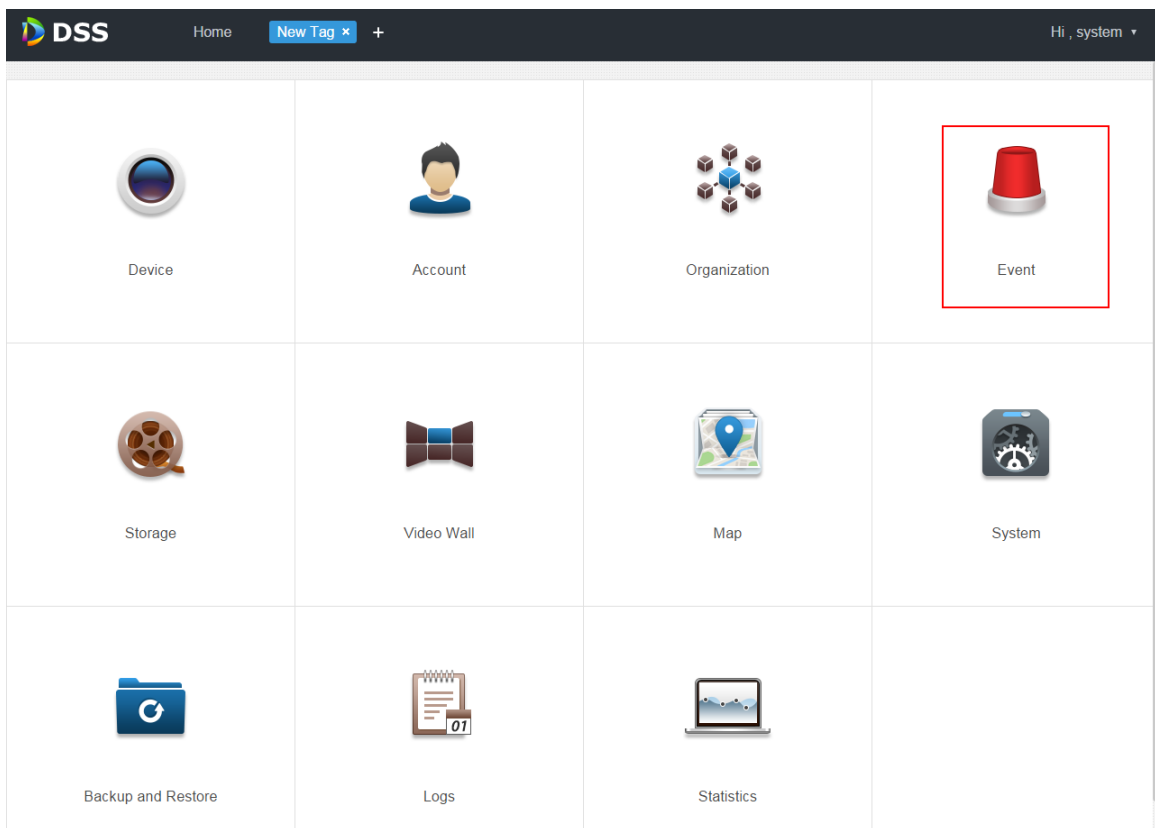


Figure 18-20

Step 3. Click Event, see Figure 18-21.

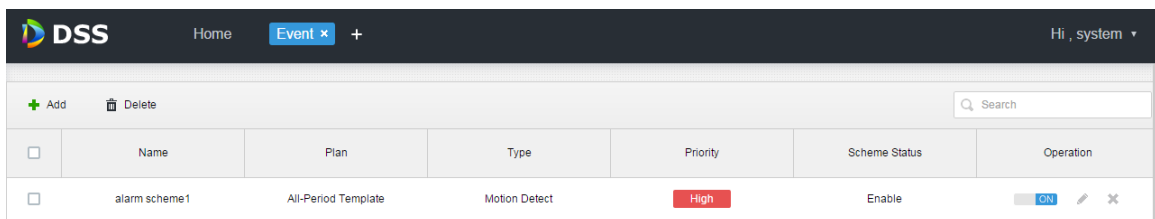


Figure 18-21

Step 4. Click Add, see Figure 18-22.

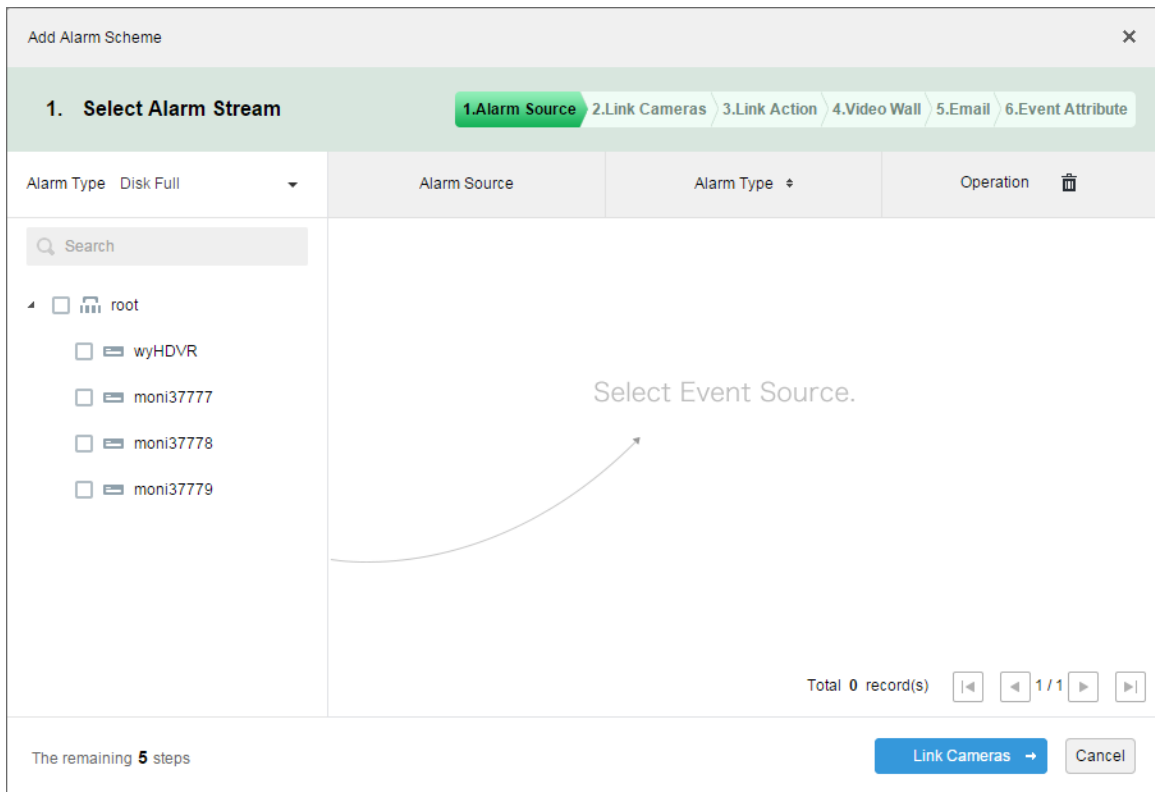


Figure 18-22

Step 5. Select alarm type from alarm type dropdown list, and check device in device tree, see Figure 18-23.

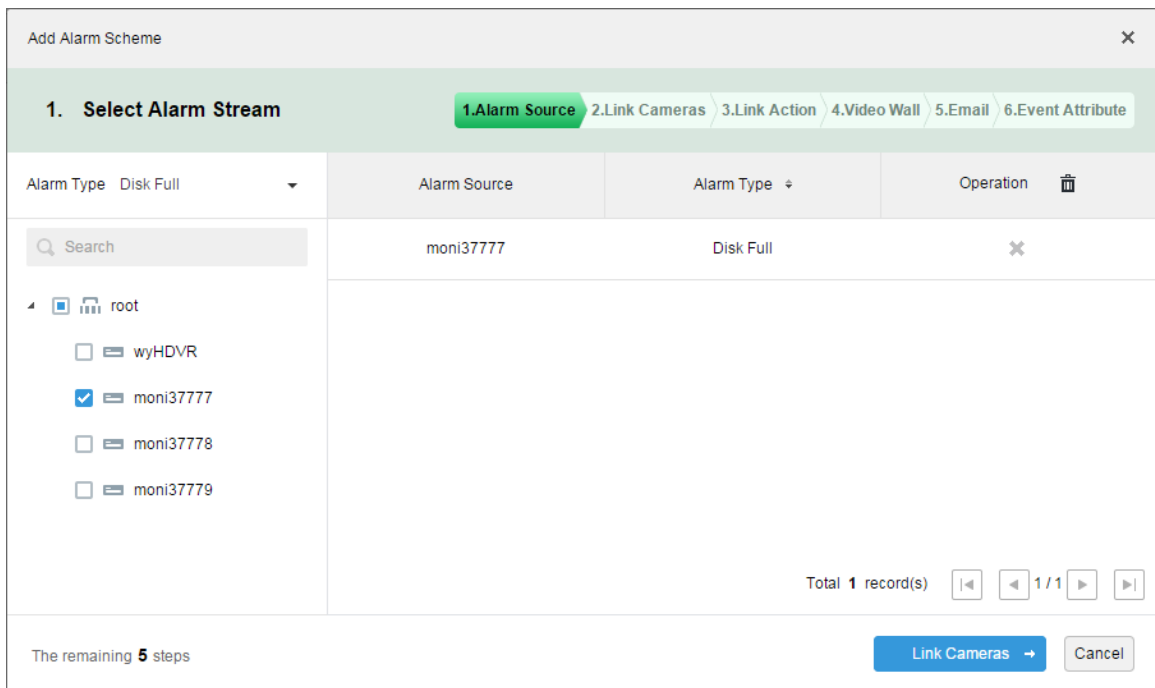


Figure 18-23

Note:

Alarm type includes:

- Device: disk full, disk failure, device offline.
- Video channel: video loss, motion detection, video tampering, channel offline.
- Alarm input channel: external alarm.
- System: high temperature alarm, Raid degrade, server auto shift, server manual shift, server

status change, host to spare, spare to host, spare failure, spare failure recovery.

- Alarm controller: alarm controller alarm, fire alarm, zone invalid, low battery, city grid offline.
- Thermal image: thermal image fire alarm, thermal image point abnormal alarm.

Step 6. Click Link Cameras.

Step 7. Check channel to preview when an alarm occurs.

Step 8. Check to enable link video.

The screenshot shows the 'Edit Alarm Scheme' window with the '2. Select Link Camera' step active. The left sidebar shows a search bar and a list of channels (Channel0 to Channel7) under the ID '37777', all of which are checked. The main area on the right contains configuration options: 'Position' set to 'Store on Server', 'Record Stream' set to 'Main Stream', 'Record Time' set to '20 s', and 'Prerecord Time' set to an empty field. A checkbox 'Open camera video on client when alarm is triggered' is checked and highlighted with a red box. At the bottom, there are 'Back', 'Link Action', and 'Cancel' buttons.

Figure 18-24

Step 9. Complete alarm scheme config.

Step 10. Login client.

Step 11. Open local setup and select open video method, and open preview in window and pop-up window.

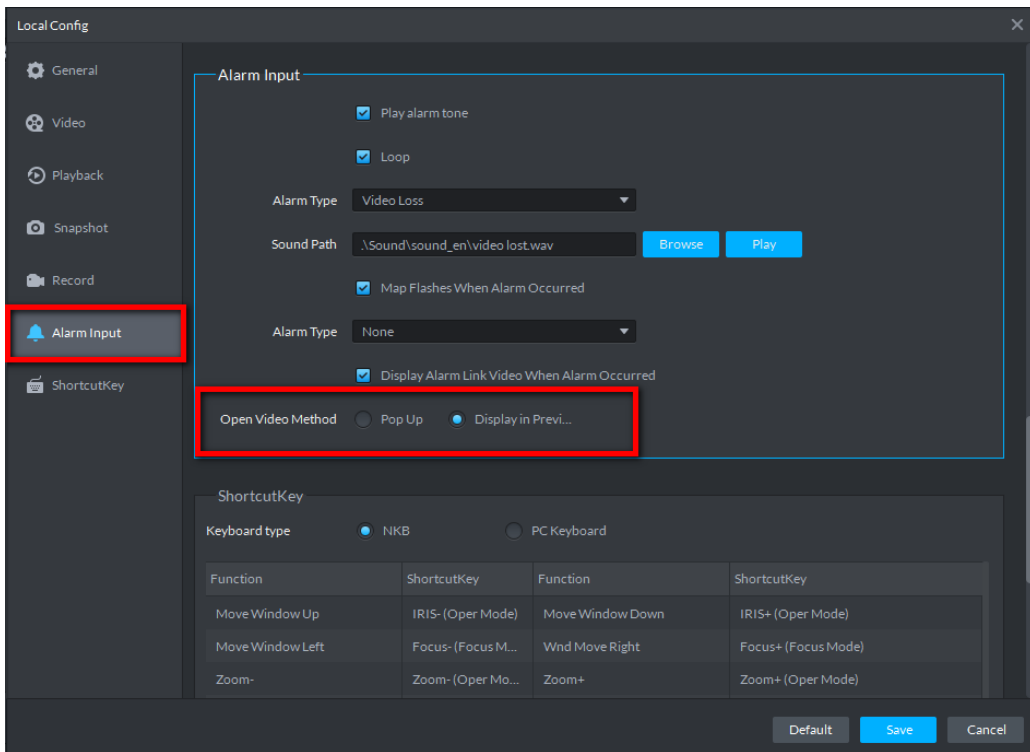


Figure 18-25

Step 12. If you select to open in preview interface, then right client to set it as alarm window, see Figure 18-26.

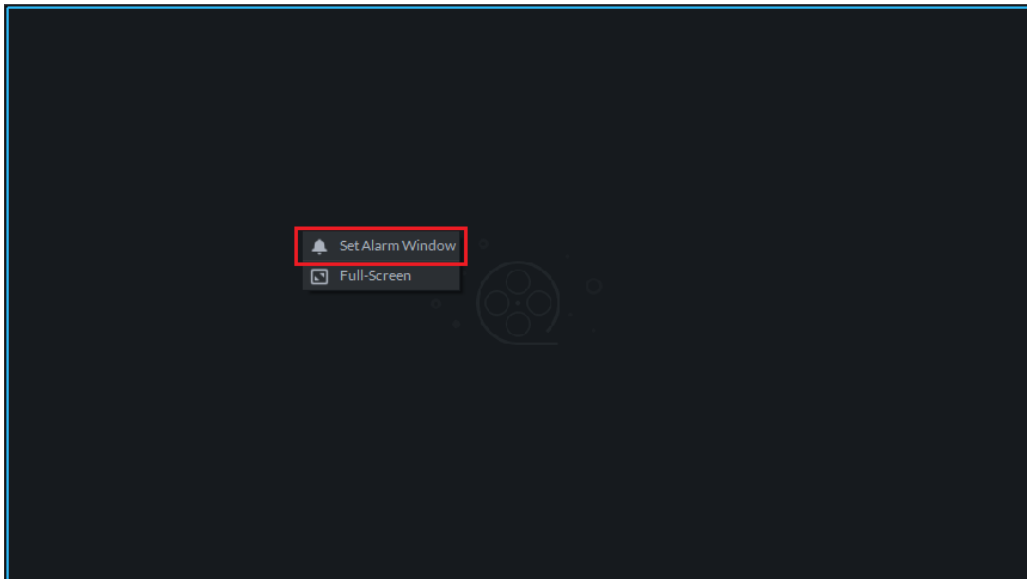


Figure 18-26

Step 13. Effect of alarm link video. See Figure 18-27 and Figure 18-28.

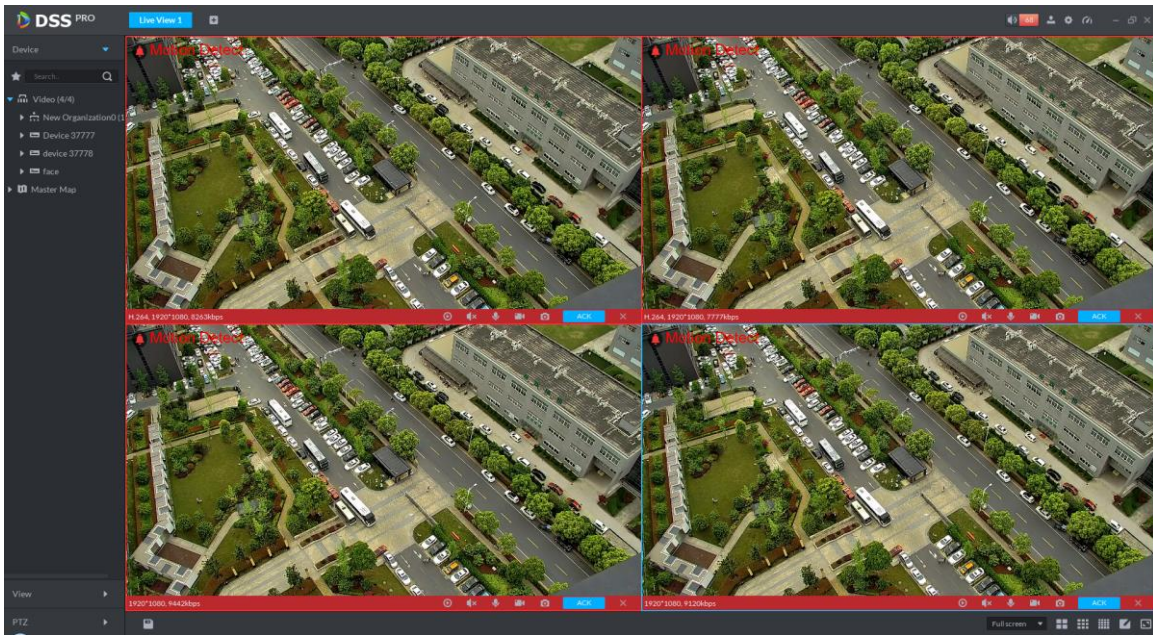


Figure 18-27

Alarm Link Video

No	Event Time	Event Source	Event Type	Link Channel Name
6	2017-04-26 20:37:14	device 37778_2	Motion Detect	Channel0, Channel1, Channel2, Channel3, device 37778_1, de...
7	2017-04-26 20:37:14	device 37778_3	Motion Detect	Channel0, Channel1, Channel2, Channel3, device 37778_1, de...
8	2017-04-26 20:37:14	device 37778_4	Motion Detect	Channel0, Channel1, Channel2, Channel3, device 37778_1, de...

Figure 18-28

## 18.6 Alarm Sound

Login DSS client. Click  at the upper-right corner, see Figure 18-29.

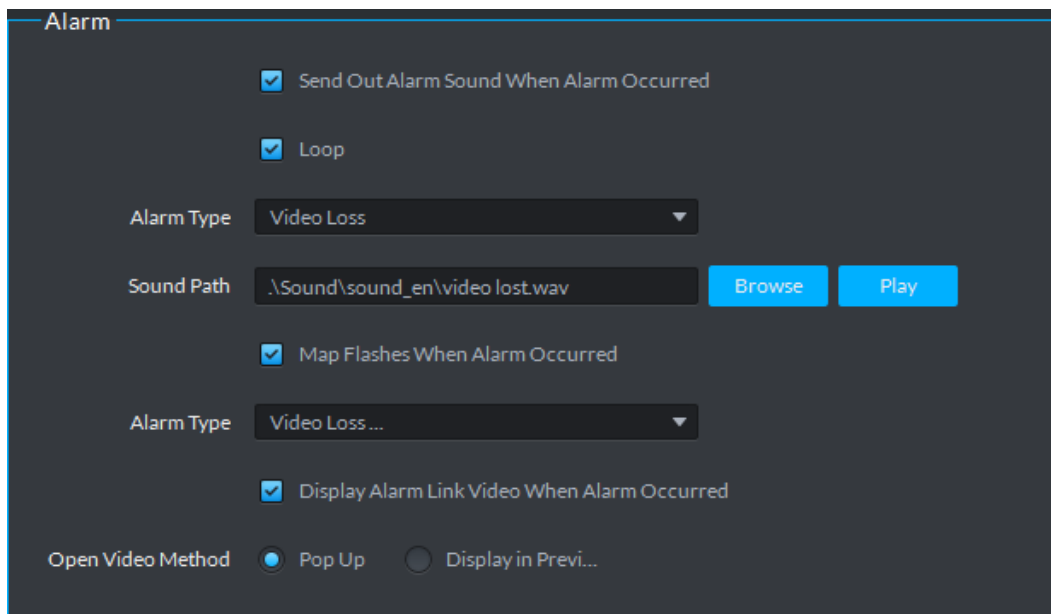




Figure 18-29

Parameter	Note
Play	Send out alarm sound when alarm occurred.
Loop	Loop alarm sound when alarm occurs.
Alarm Type	Select alarm type and set corresponding alarm sound.
Sound Path	Upload sound file, click Play to test.
Map Flash	When alarm is triggered, flash occurs at corresponding position on map.
Alarm Type	Select alarm type corresponds to map flash.
Display Video	When alarm is triggered, auto open linked video.
Open Video Method	Preview video in pop-up or in preview interface.

Chart 18-3

## 18.7 View Alarm

Step 1. Click  at the upper-right corner of DSS client, the system jumps to event center interface, or click  next to live, see Figure 18-30.



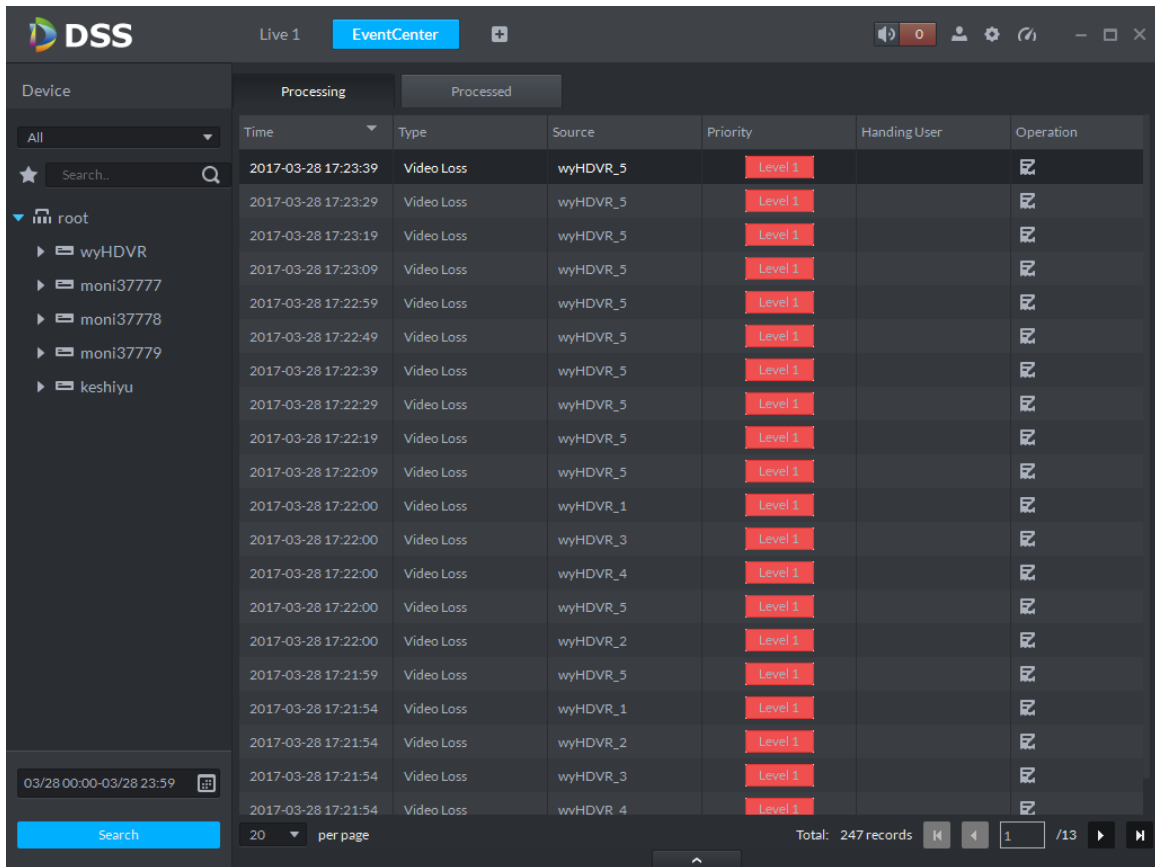



Figure 18-30

Step 2. Click  in operation column, in a window pops up at the lower right corner, see Figure 18-31.

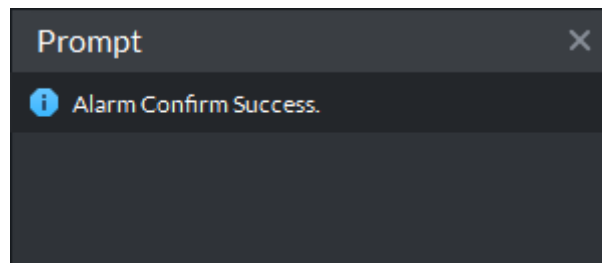


Figure 18-31

Step 3. In Claimant column, claim user, see Figure 18-32.

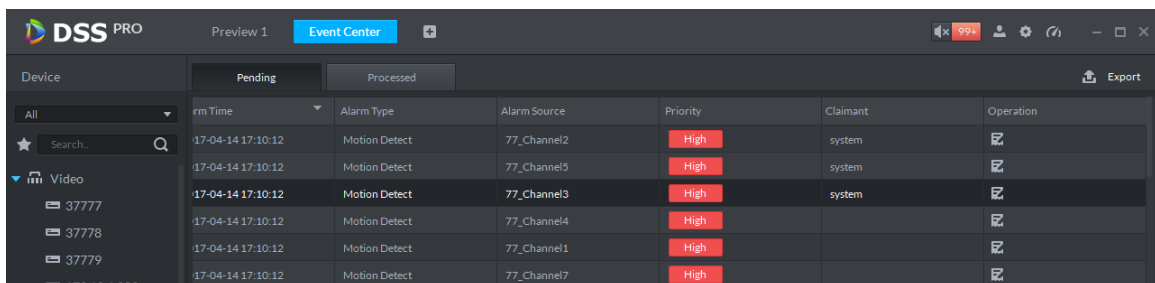


Figure 18-32

Note:  
For those claimed alarms, other users cannot process those alarms.

## 18.8 Process Alarm

Double click alarm, below the interface shows alarm video, time, type, source, priority and etc. See Figure 18-33.

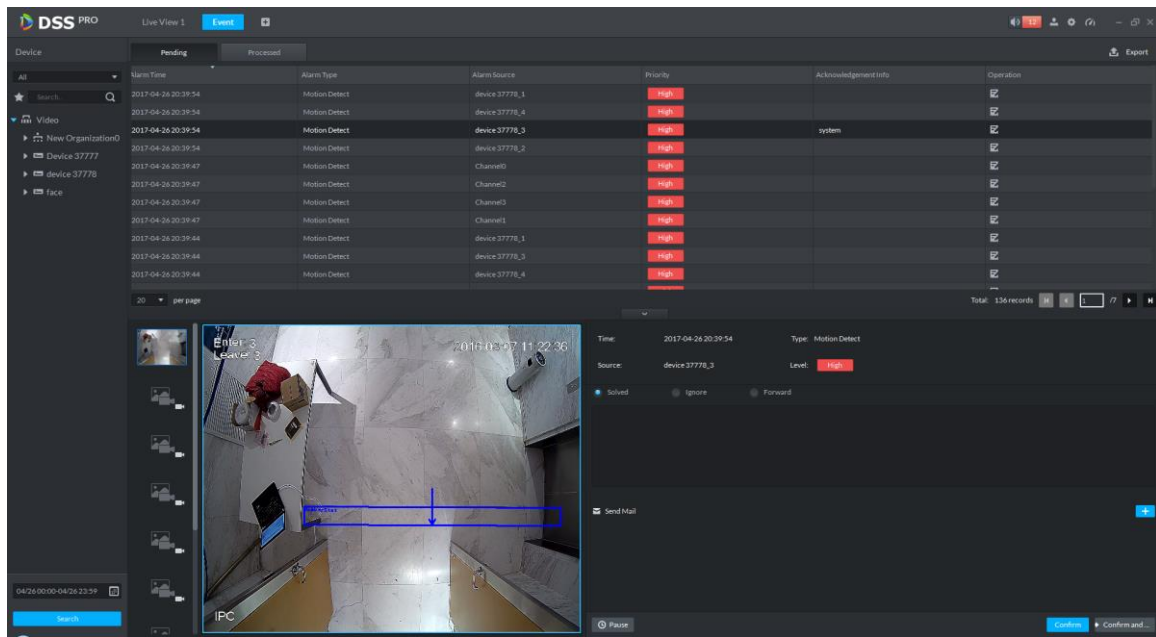


Figure 18-33

Select method to process alarm: processed, ignore, forward to other user, send email and etc.




# 19 Email Server

## 19.1 Scene

When you set alarm link on manager and process alarm on client, you can set to send email to user, so you must set email server first.

## 19.2 Email Server Config

Step 1. Click  next to Home, see Figure 19-1.

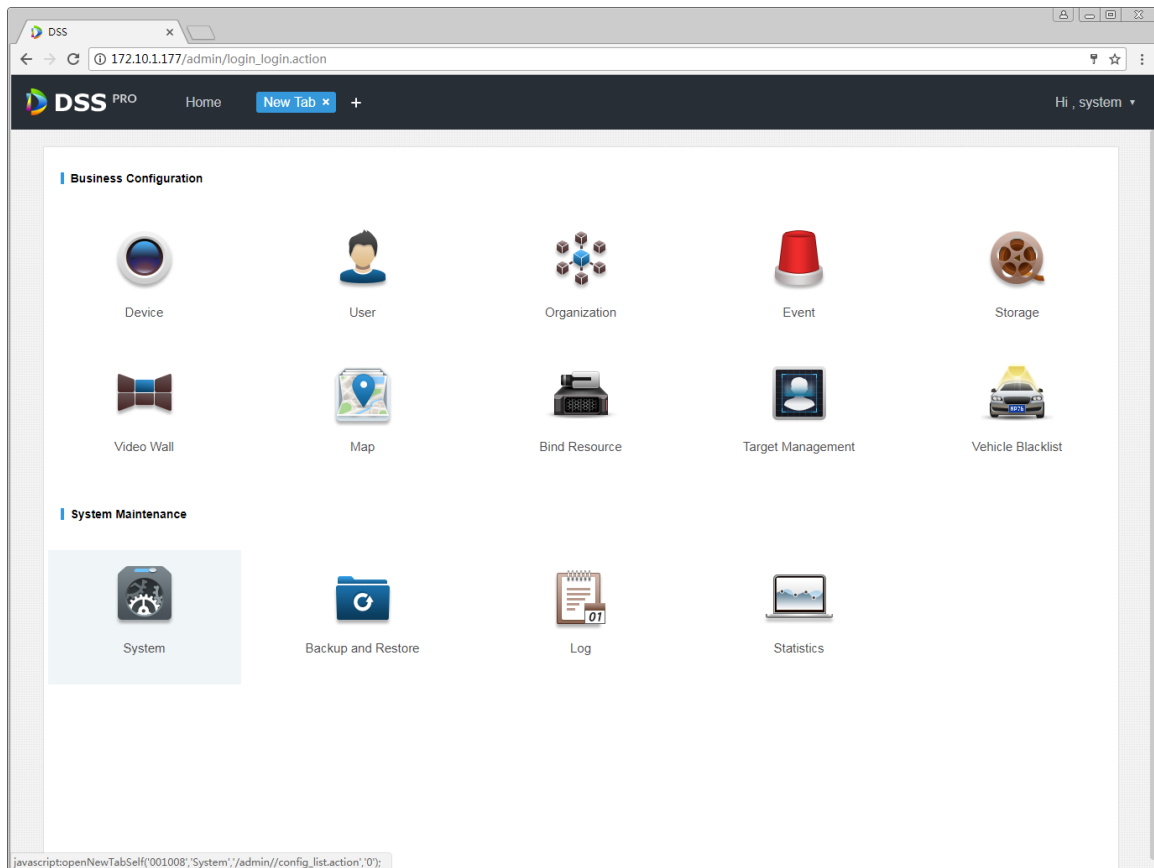


Figure 19-1

Step 2. Select mail server setup, check  **Enable** to enable email server, see Figure 19-2.

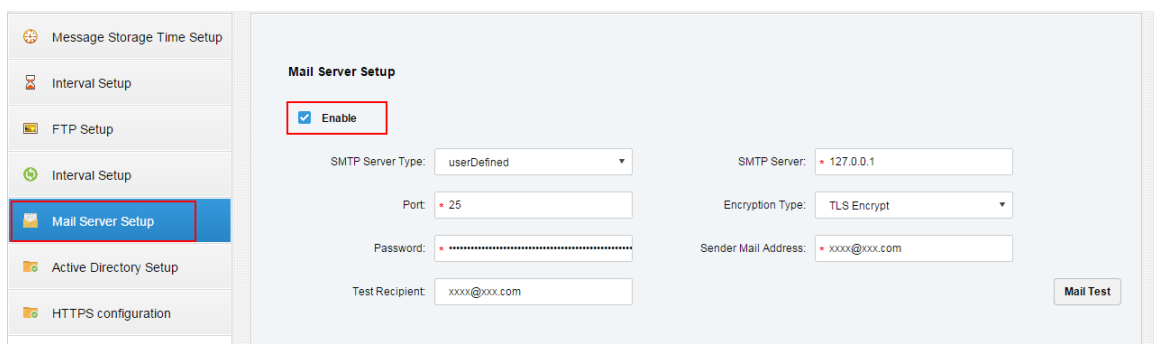


Figure 19-2

Step 3. In SMTP server type dropdown list, select server type, see Figure 19-3.

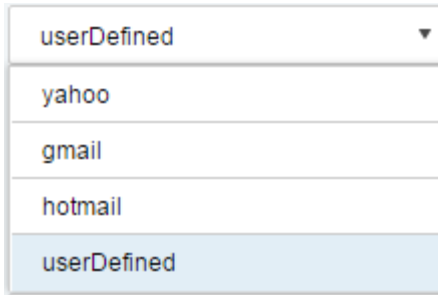


Figure 19-3

Step 4. Set email info, see Figure 19-4.

Figure 19-4

Step 5. Click **Mail Test** to test if server is valid. If test is successful, you will see a prompt and test account will receive a test email.

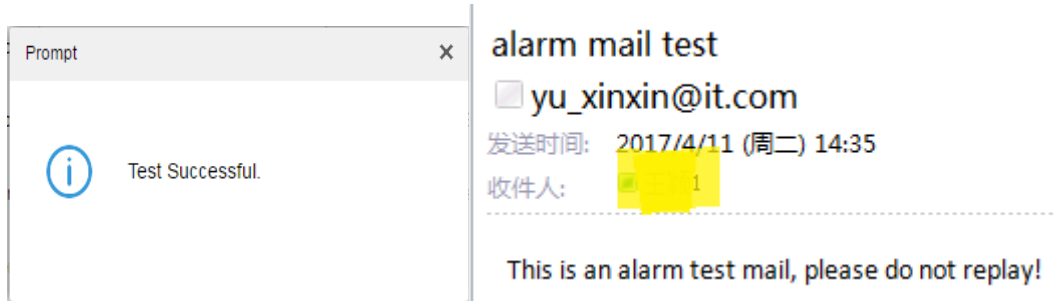


Figure 19-5

Step 6. After test is successful, click **Save** to save config info.

## 19.3 User Email Config

You can set email address when you create user or add email address when you edit existing user. Here makes adding user as an example:

Step 1. Login Manager, enter user management module, click User tab.

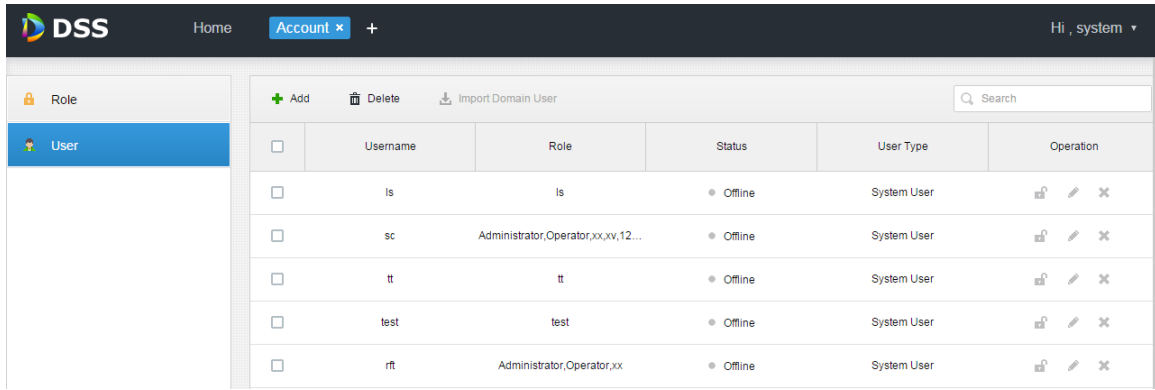


Figure 19-6

Step 2. Click **+ Add**, see Add User box. Here please set username, login password, confirm password, expiry, email address, PTZ control permission and etc. Check role below, to see device right of corresponding role on the right. See Figure 19-7.

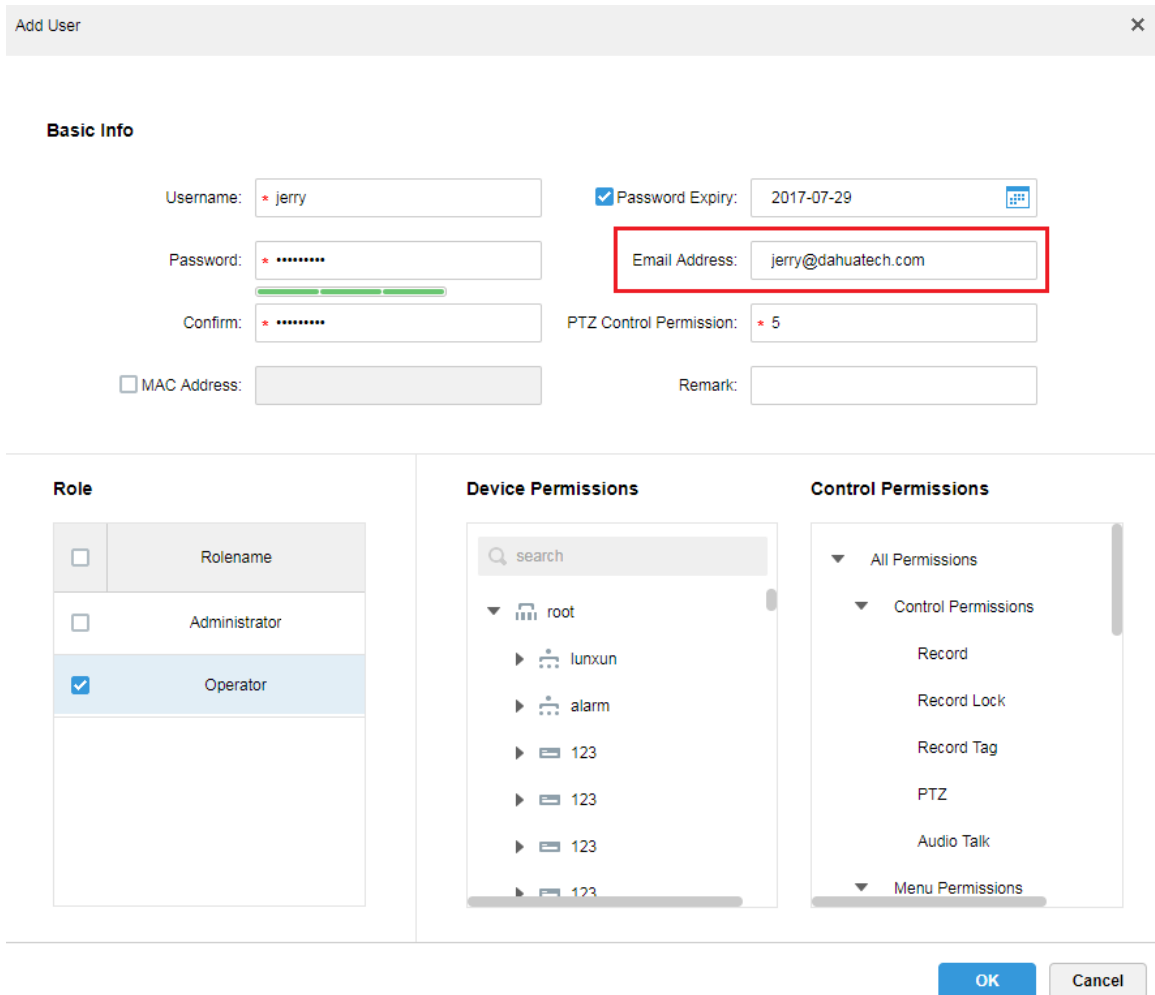


Figure 19-7

Step 3. Select existing user, click **[Add]** button to add email address, see Figure 19-8 and Figure 19-9.

Role		+ Add    Delete    Import Domain User    Search				
User		Username	Role	Status	User Type	Operation
<input type="checkbox"/>		jerry	Operator	Offline	Basic User	
<input type="checkbox"/>		wytest	Administrator,Operator	Offline	Basic User	
<input type="checkbox"/>		test	Administrator	Offline	Basic User	
		system	Administrator	Online	Basic User	

Figure 19-8

Edit User ✕

**Basic Info**

Username:        Password Expiry:

Password:       Email Address:

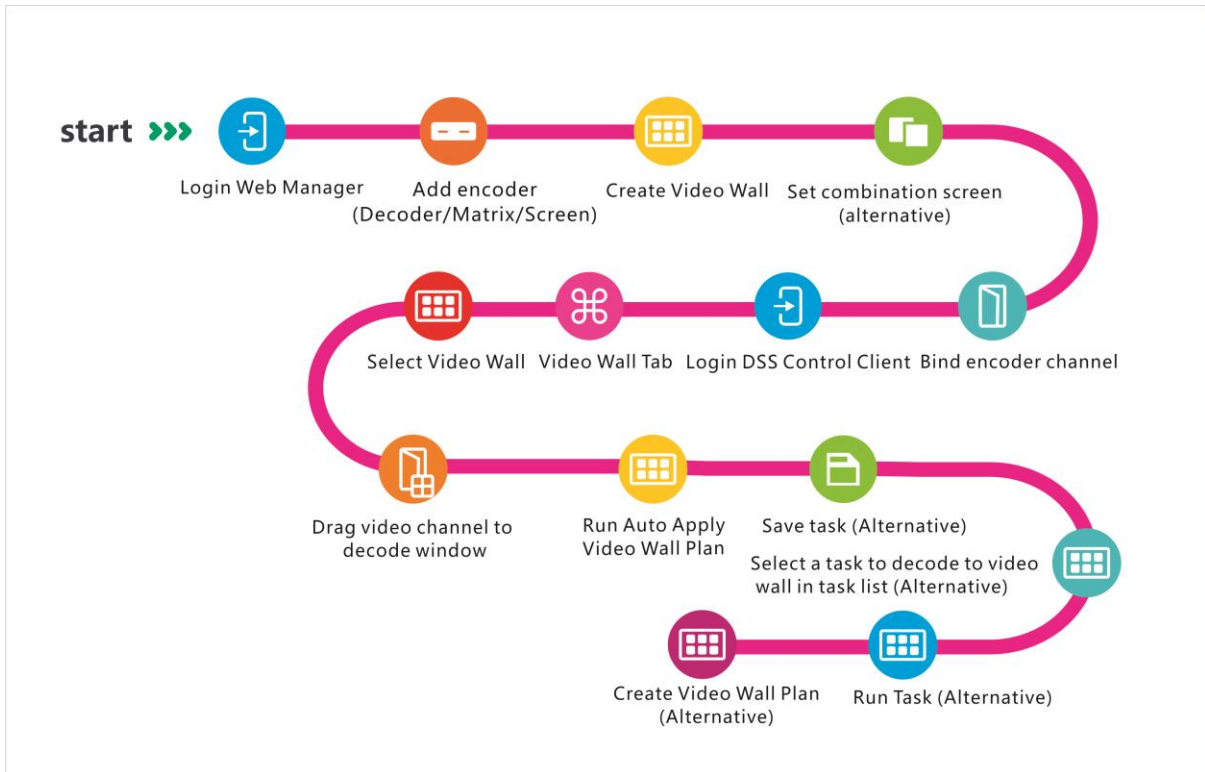
Confirm:       PTZ Control Permission:

MAC Address:       Remark:

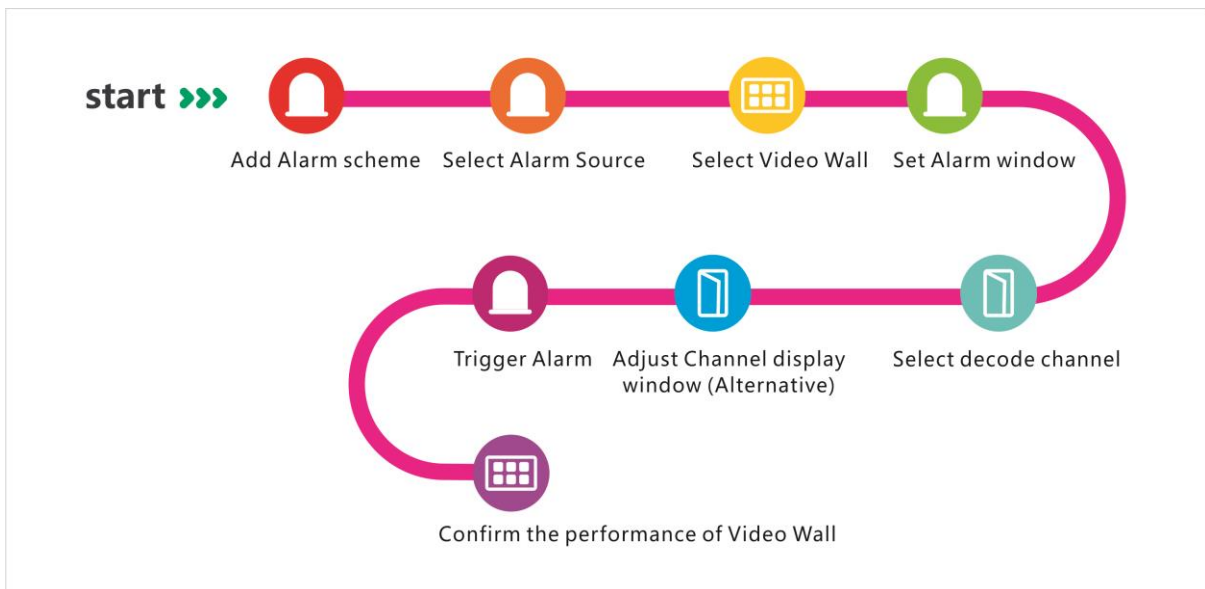
Figure 19-9

# 20 Video Wall

## 20.1 General Video Wall Flow



## 20.2 Alarm Video Wall Flow



## 20.3 Add Decoding Device

- Step 1. Login DSS Manager.
- Step 2. Select Device, see

The screenshot shows the DSS web interface. At the top, there is a navigation bar with 'Home', 'Device x', and '+'. The main content area has a 'Device Network' section with a 'Pack Up' button. Below this is a table with columns: IP Address, Type, and Port. The table contains four rows of device information:

IP Address	Type	Port
172.10.1.30	DVR	37777
172.10.1.31	DVR	37777
172.10.1.32	NVR	37777
172.10.1.34	NVR	37734

Below the table is a search bar and a 'Delete' button. A second table is visible below, with the 'Encoder' tab highlighted in red. This table has columns: Encode, IP/Domain, Video Server, Device Name, Type, Org, Status, Offline Cause, and Operation. It contains four rows of encoder data:

Encode	IP/Domain	Video Server	Device Name	Type	Org	Status	Offline Cause	Operation
1000003	172.10.1.202	Center Server	172.10.1.202	DVR	root	Online		⚙️ ✎️ ✕️
1000002	172.10.1.201	Center Server	37779	EVS	root	Online		⚙️ ✎️ ✕️
1000001	172.10.1.201	Center Server	37778	EVS	root	Online		⚙️ ✎️ ✕️
1000000	172.10.1.201	Center Server	37777	EVS	root	Online		⚙️ ✎️ ✕️

Figure 20-1

Step 3. Click Decoder tab below, click Add. See Figure 20-2.

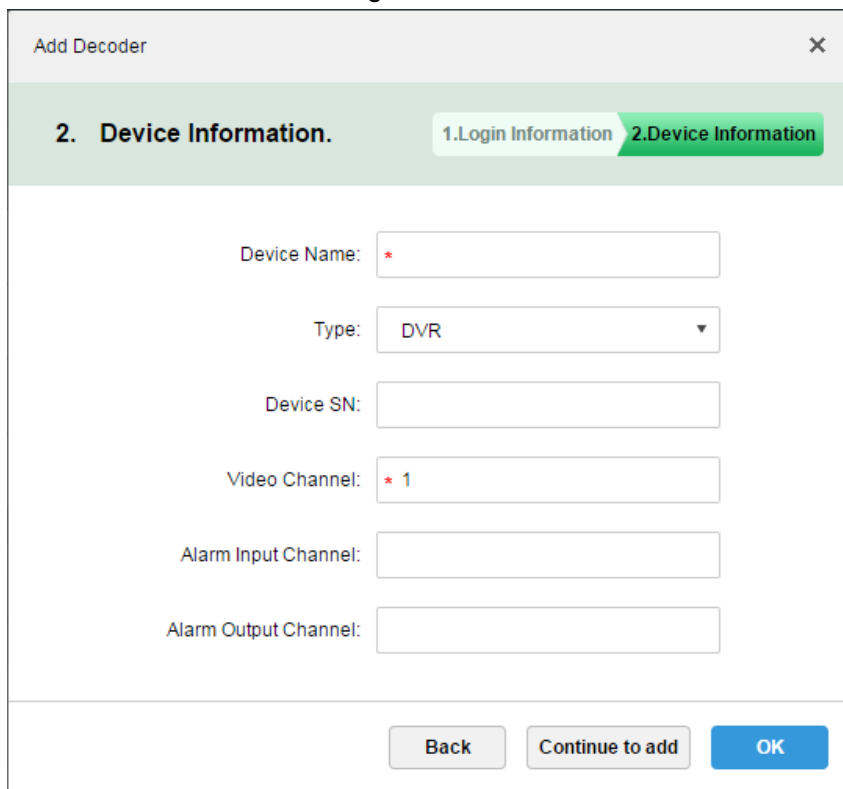
The 'Add Decoder' dialog box is shown with a close button (X) in the top right corner. It has two tabs: '1.Login Information.' (active) and '2.Device Information'. The '1.Login Information.' tab contains the following fields:

- Protocol:
- Manufacturer:
- Add Type:
- Device Category:
- IP Address:
- Device Port:
- User:
- Password:
- Org:
- Video Server:

At the bottom right, there are two buttons: 'Add' (blue) and 'Cancel' (grey).

Figure 20-2

Step 4. Enter IP address, click Add, see Figure 20-3.



The screenshot shows a dialog box titled "Add Decoder" with a close button (X) in the top right corner. Below the title bar, there are two tabs: "1.Login Information" and "2.Device Information", with the second tab selected. The main area contains several input fields:

- Device Name:** A text input field with a red asterisk (\*) indicating it is required.
- Type:** A dropdown menu currently showing "DVR".
- Device SN:** A text input field.
- Video Channel:** A text input field containing "1" with a red asterisk (\*) indicating it is required.
- Alarm Input Channel:** A text input field.
- Alarm Output Channel:** A text input field.

At the bottom of the dialog, there are three buttons: "Back", "Continue to add", and "OK".

Figure 20-3

Step 5. Enter device name, video channel and etc., select device type, click OK.

## 20.4 Create Video Wall

Step 1. In DSS Manager, click  next to Home, see Figure 20-4.

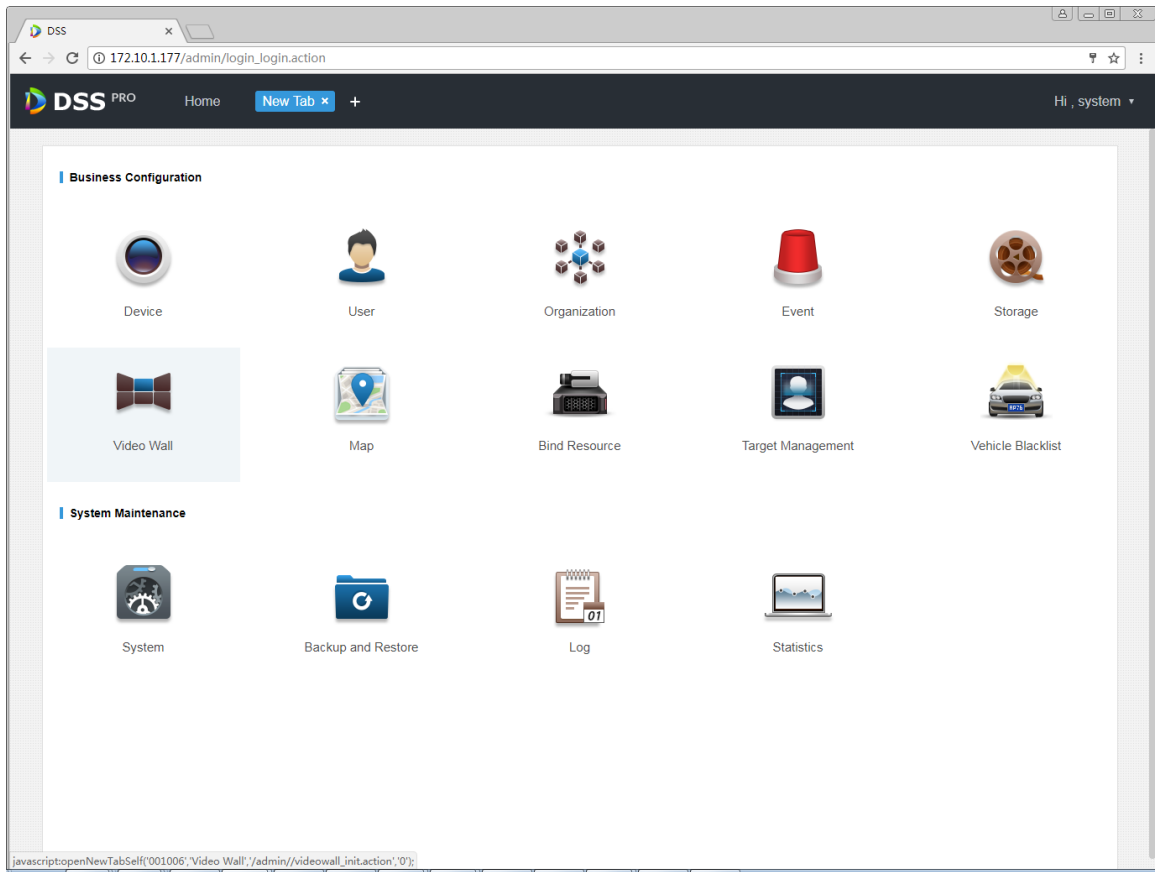


Figure 20-4

Step 2. Click Video Wall, see Figure 20-5.

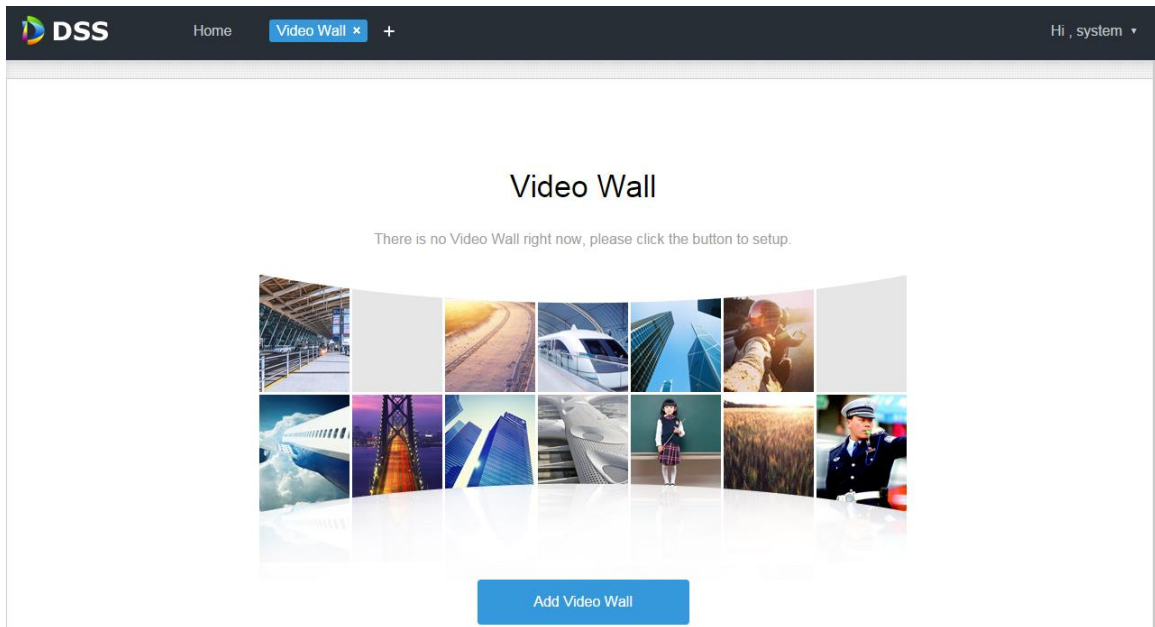


Figure 20-5

Step 3. Click Add Video Wall, see



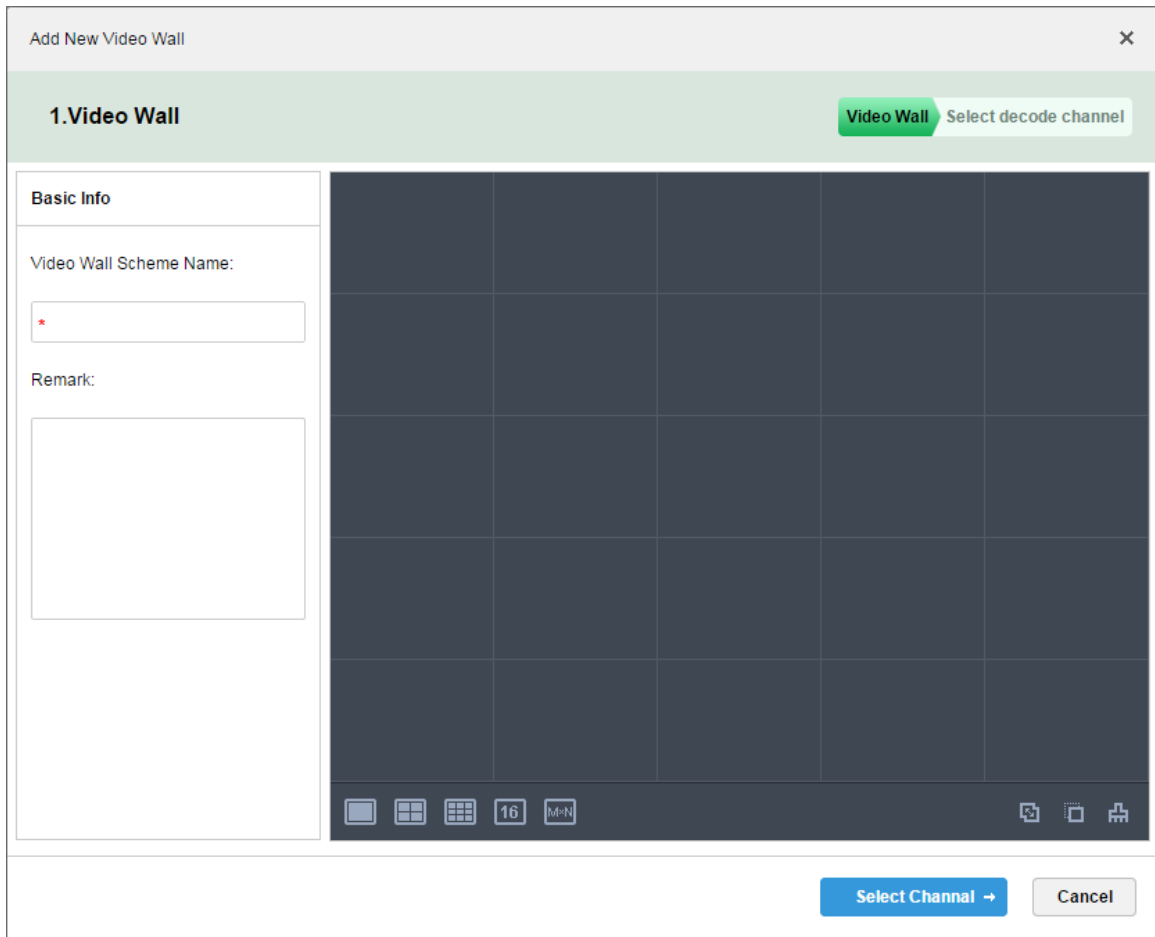


Figure 20-6

Step 4. Enter video wall name, select window layout, see Figure 20-7.

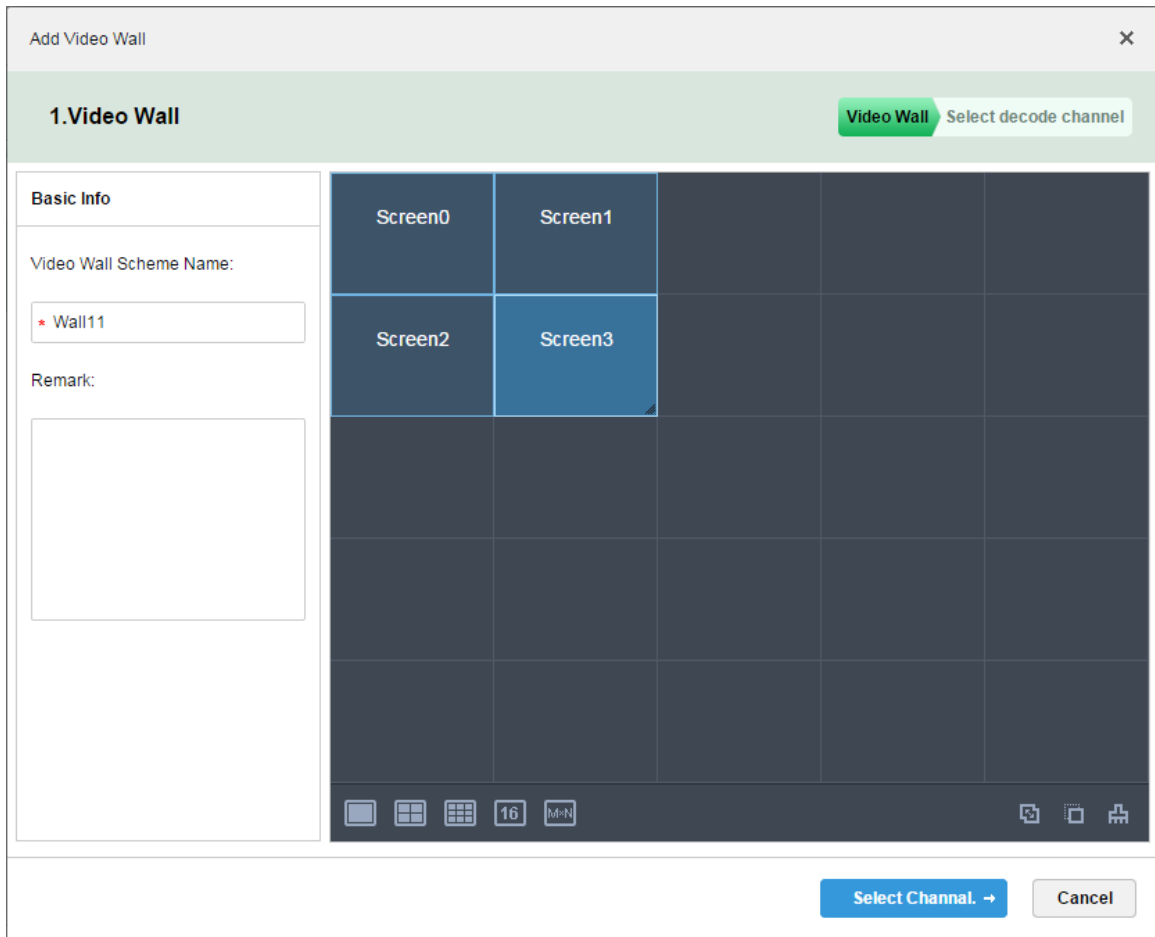


Figure 20-7

Step 5. Click Select Channel.

Step 6. In device tree, select decoder to bind, and drag it to corresponding video wall. See

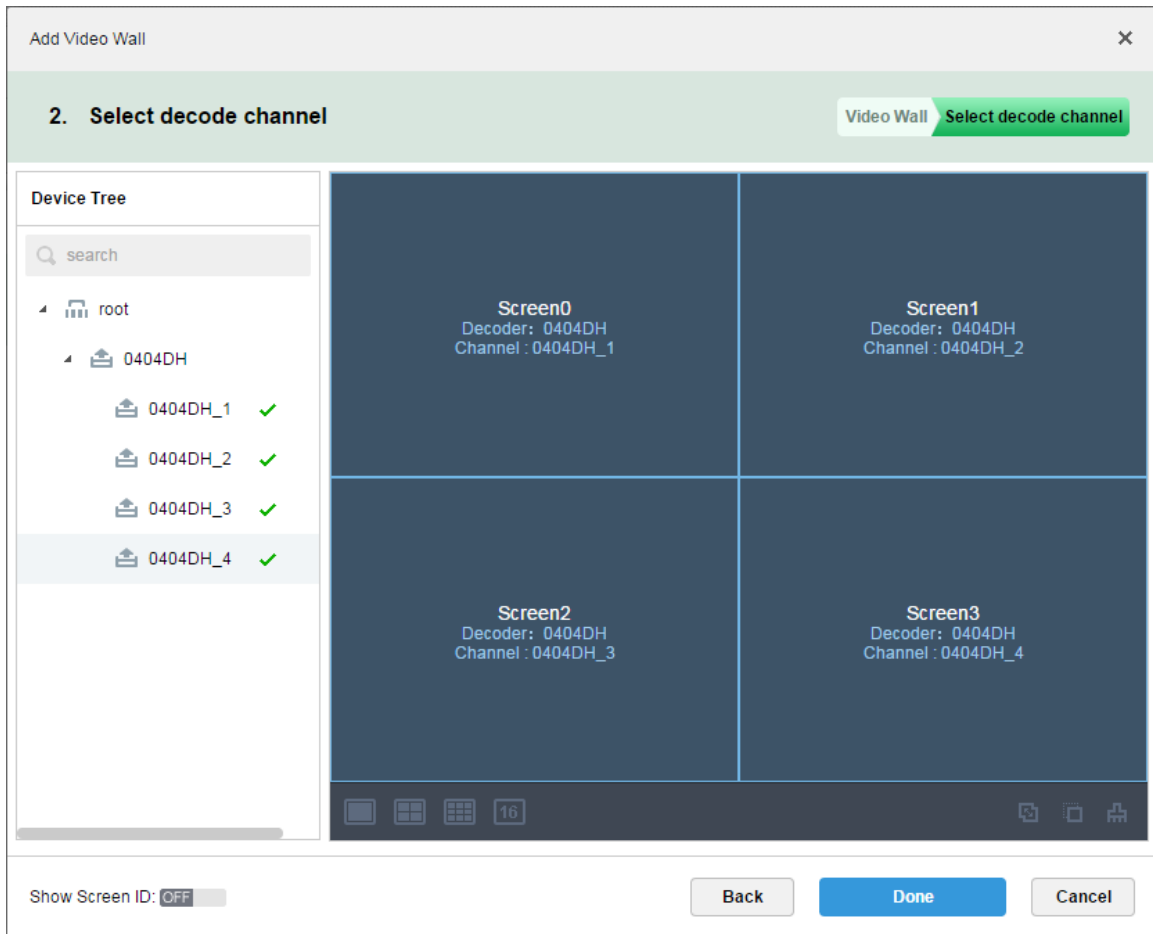



Figure 20-8

Step 7. Click Done.

## 20.5 Execution of TV Wall

Step 1. Login DSS Client.

Step 2. Click  next to Live, select TV Wall. See

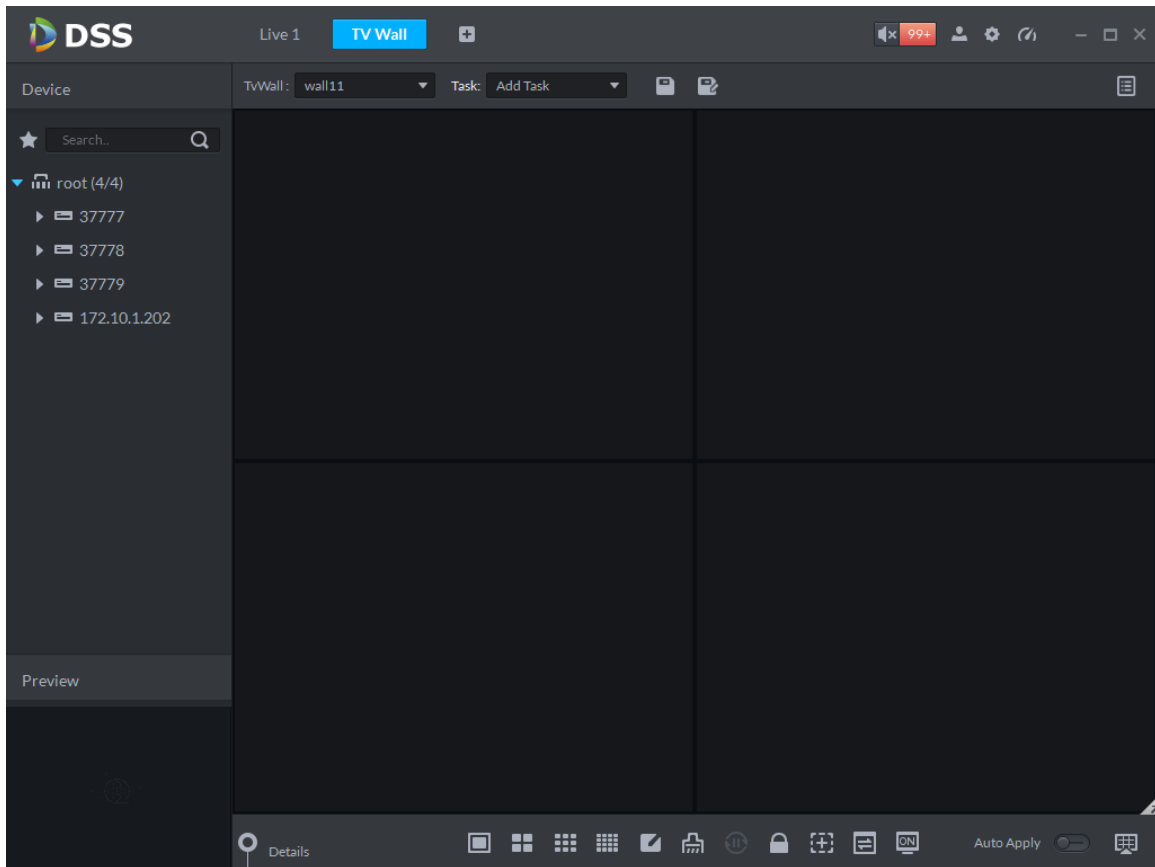


Figure 20-9

Step 3. Select TV wall, and drag channel on the left info TV wall window, see Figure 20-10.

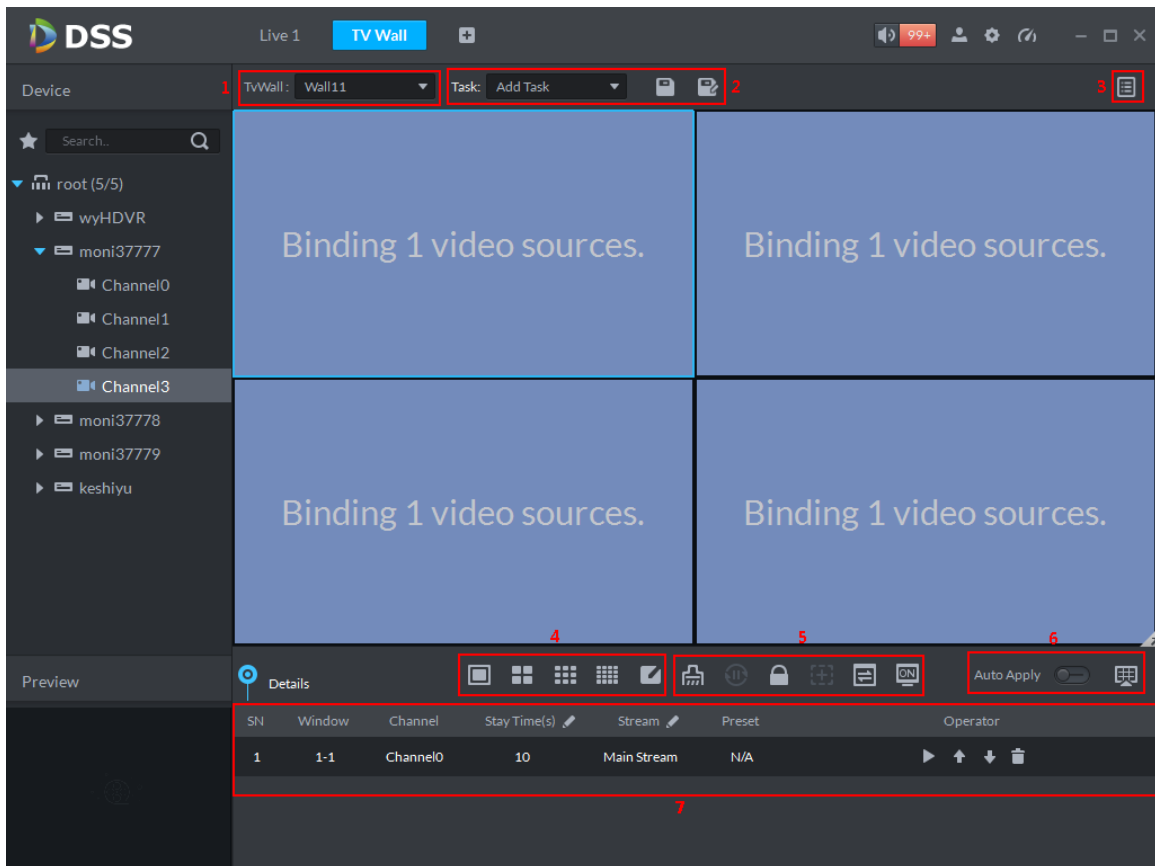










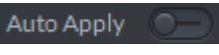



Figure 20-10

No.	Interface	Note
1	TV Wall Plan	Select TV wall in dropdown list.
2	Save Task	Save video wall task, and select saved task in dropdown list.
3	TV Wall Plan	<ul style="list-style-type: none"> <li>: add timer plan.</li> <li>: add tour plan.</li> </ul>
4	Window Split	<ul style="list-style-type: none"> <li>: screen split.</li> <li>: custom screen split.</li> </ul>
5	Advanced	<ul style="list-style-type: none"> <li>: clear screen.</li> <li>: enable/disable tour plan.</li> <li>: lock window.</li> <li>: add frame.</li> <li>: display.</li> <li>: screen on/off.</li> </ul>
6	Video Wall	<ul style="list-style-type: none"> <li>: open, when you finish task setuo, it auto outputs task video to wall.</li> <li>: click to output to video wall.</li> </ul>






7	Channel List	<p style="text-align: center;">Click  Details.</p> <p>Show screen, window, channel binding info.</p> <ul style="list-style-type: none"> <li>● Click , preview in Preview below, to view if you need channel.</li> <li style="margin-left: 40px;">● Click , , to adjust sequence.</li> <li>● Click , to delete added window signal source.</li> </ul>
---	--------------	--


Chart 20-1

Step 4. Click . System pops up Save box.

Step 5. Enter task name, click OK.

## 20.6 Create Video Wall Plan

### 20.6.1 Timer Plan

Step 1. In TV Wall interface, click .

Step 2. Select .

Step 3. Enter plan name, select video task and set start time and end time, see Figure 20-11.

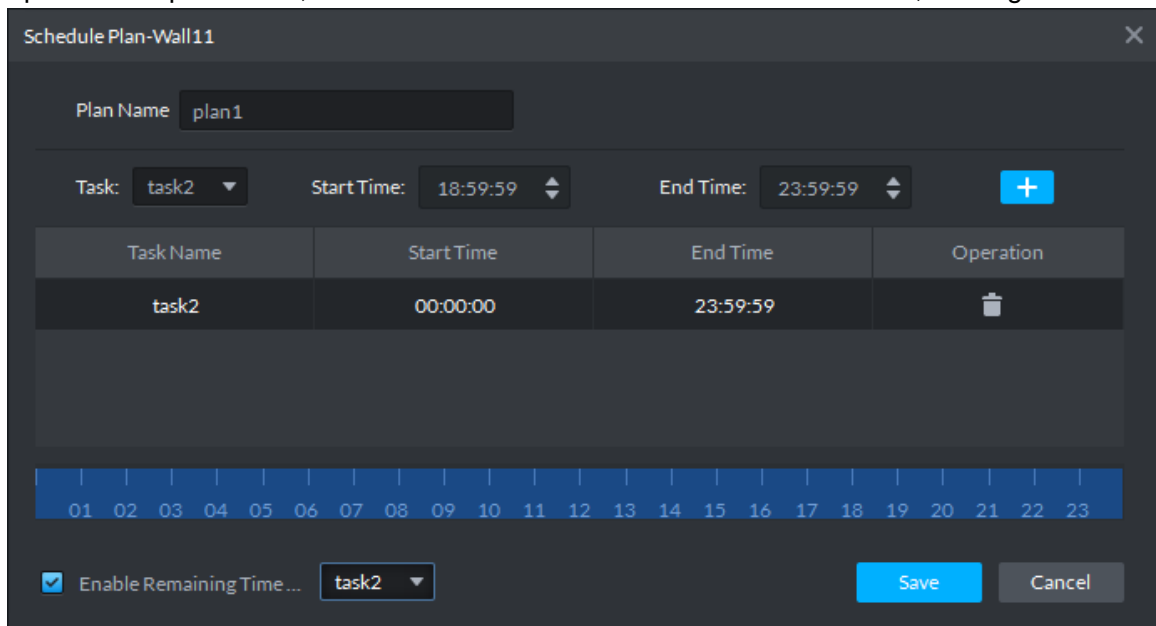




Figure 20-11

Step 4. Click Save.

If you select Enable remaining time plan, and set task, then it will shot other task during period out of this planned period.

## 20.6.2 Tour Plan

Step 1. Click , and select .

Step 2. Enter plan name, select video task, and set stay time, see Figure 20-12.

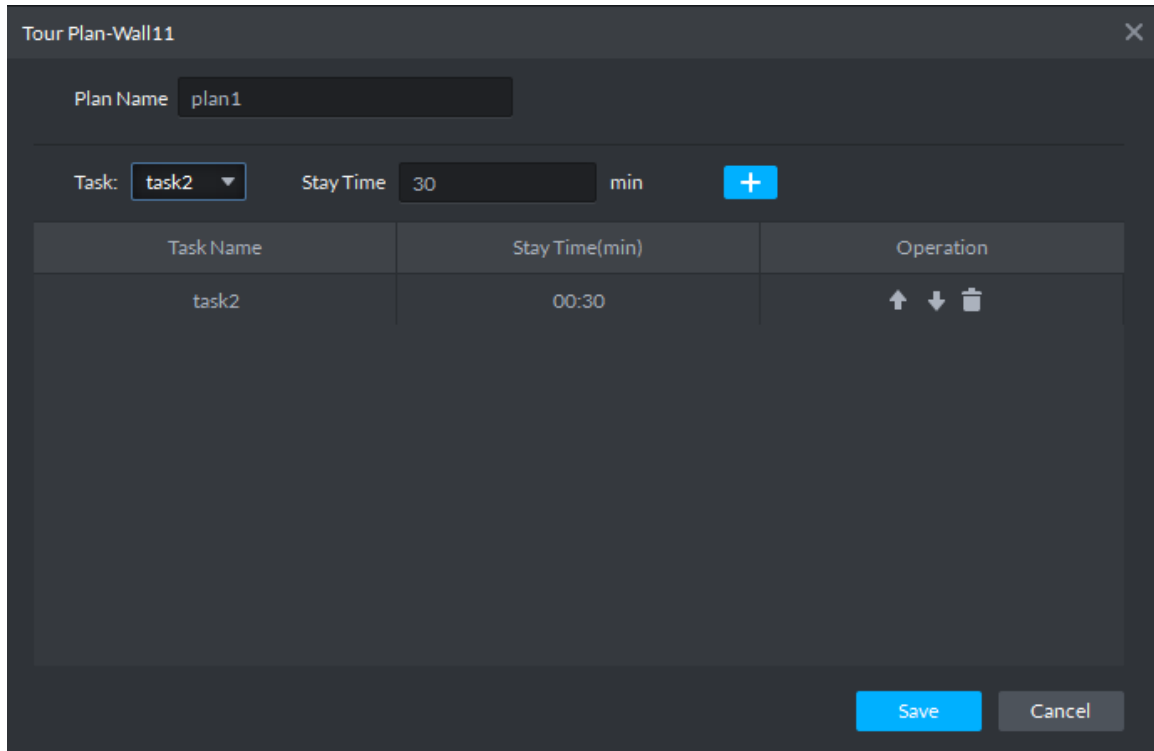


Figure 20-12

Step 3. Click Save.

## 20.7 Execution of TV Wall

After you successfully add plan, see Figure 20-13.

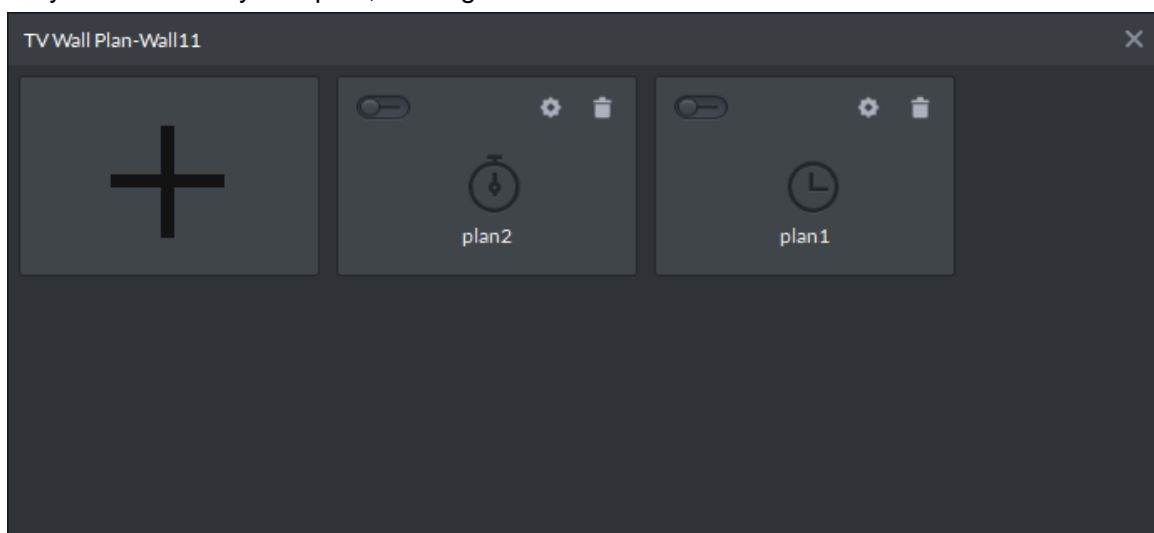
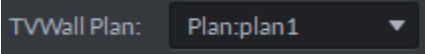



Figure 20-13

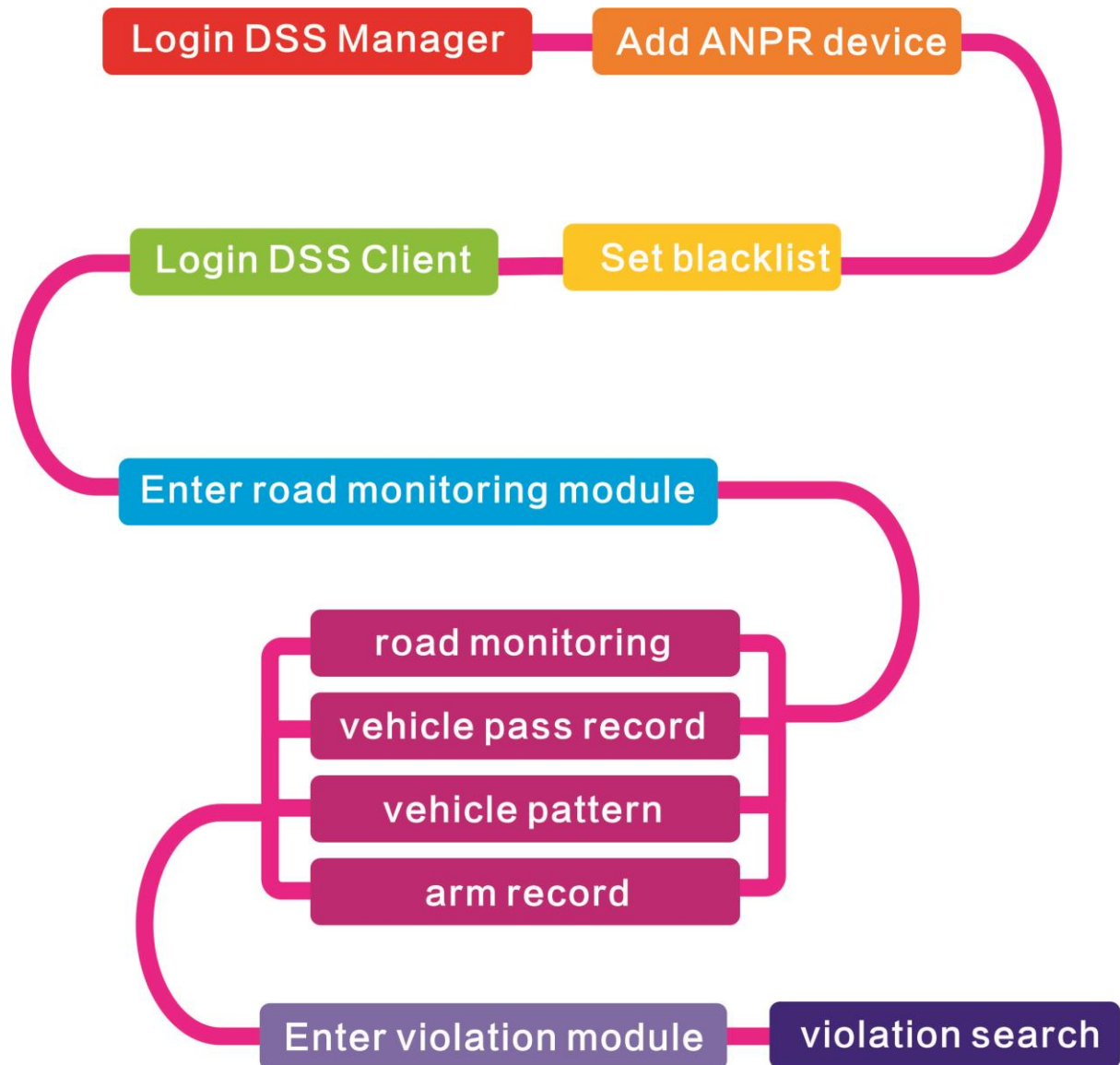
Click , open button, to execute plan.

Or you can select plan from dropdown list , click  to execute.



# 21ITC

## 21.1 Business Flow



## 21.2 Add ANPR Device

Step 1. Login DSS Manager, enter device module, in Figure 21-1 click  Add .

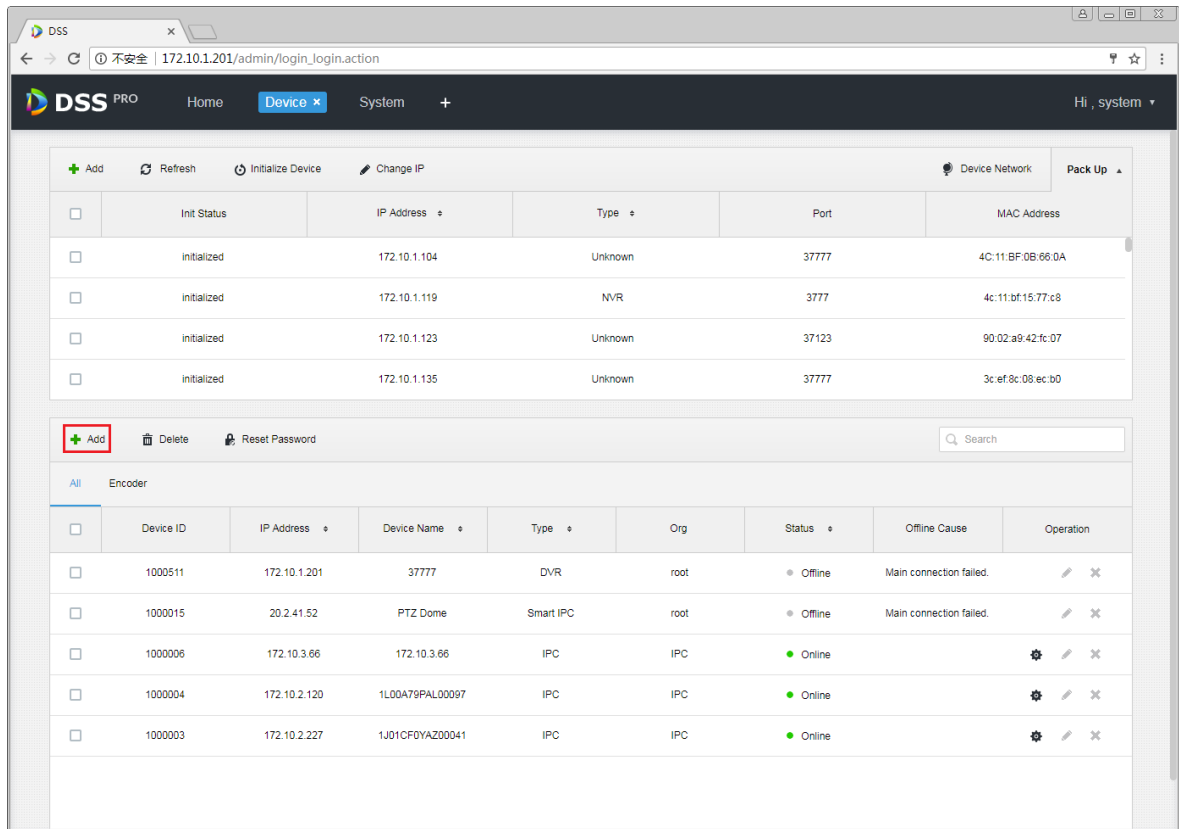


Figure 21-1

Step 2. Enter Add Device interface, in device type select “ANPR Device”, fill in ANPR device IP, port, username and password. Select device organization, video server, and picture server. Be careful, ANPR device has one more option as picture server. Please select according to actual deployment, See Figure 21-2.

Add ×

**1. Login Information.** 1.Login Information 2.Device Information

Protocol:

Manufacturer:

Add Type:

**Device Category:**

IP Address:

Device Port:

User:

Password:

Org:

**Video Server:**

**Picture Server:**

Figure 21-2

Step 3. In Figure 21-3, enter ANPR device name, select corresponding device type, device model, organization, enter device SN and channel number, click OK. Device model includes: Dahua intelligent analytics box, Dahual ITC, and Dahua speed measurement Device.

Add ×

**2. Device Information.**      1.Login Information   2.Device Information

Device Name: \*

Type: ANPR Device ▼

Device Model:  ▼

Device SN:

Role:

Video Channel: \* 1

---

Figure 21-3

Step 4. After you add, in device list you can see device status. See Figure 21-4.

<span>+ Add</span> <span>🗑 Delete</span> <span>🔑 Reset Password</span> <span style="float: right;">🔍 Search</span>										
<span>All</span> <span>Encoder</span> <span>Decoder</span> <span style="border: 1px solid red;">ANPR Device</span> <span>Matrix</span>										
<input type="checkbox"/>	Device ID	IP/Domain	Video Server	Picture Server	Device Name	Type	Org	Status	Offline Cause	Operation
<input type="checkbox"/>	1000036	12.13.34.56	Center Server	Center Server	test2	ANPR Device	kakou	● Offline	Main connection fail...	<span>✎</span> <span>✕</span>
<input type="checkbox"/>	1000055	10.33.10.44	Center Server	Center Server	333	ANPR Device	root	● Online		<span>✎</span> <span>✕</span>
<input type="checkbox"/>	1000054	172.10.1.180	Center Server	Center Server	180 ltc	ANPR Device	kakou	● Online		<span>✎</span> <span>✕</span>
<input type="checkbox"/>	1000027	172.10.1.98	Center Server	Center Server	kakou 98	ANPR Device	kakou	● Online		<span>✎</span> <span>✕</span>

Total 4 record(s). ⏪ 1 ⏩ Go to page 1 Go

Figure 21-4

## 21.3 Vehicle Blacklist

Step 1. Login DSS Manager, open new tab, select Vehicle Blacklist module. See Figure 21-5.

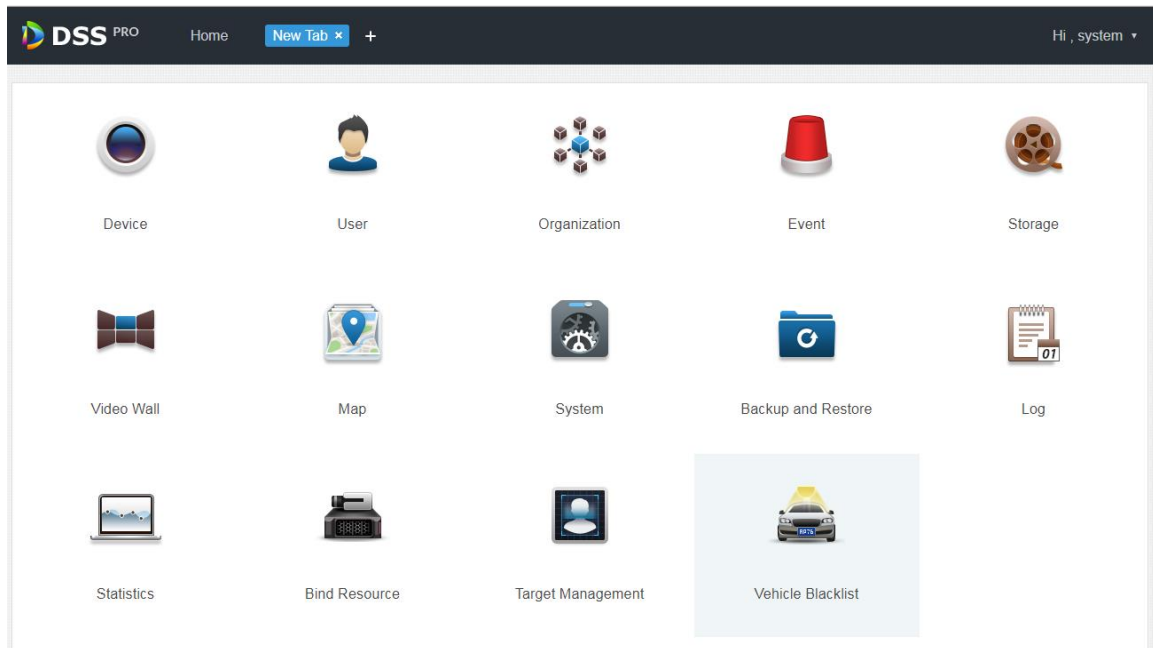


Figure 21-5

Step 2. Enter vehicle blacklist module, in Figure 21-6 click + Add to add blacklist info.

DSS PRO Home Vehicle Blacklist x + Hi, system

+ Add Delete Arm Disarm Import Export Select Export All Search

<input type="checkbox"/>	Plate No.	Arm Type	Start Time	End Time	Arm Status	Armed Person	Operate
<input type="checkbox"/>	A232TI	Suspicious Vehicle	2017-07-04 00:00:00	2017-07-22 17:00:00	Arming	system	<input type="checkbox"/> ON
<input type="checkbox"/>	DLBEW39	Check	2017-07-04 00:00:00	2017-07-14 17:00:00	Arming	system	<input type="checkbox"/> ON
<input type="checkbox"/>	SAK384	Theft Vehicle	2017-07-04 00:00:00	2017-07-13 17:00:00	Arming	system	<input type="checkbox"/> ON
<input type="checkbox"/>	BE944WJ	Over Speed Vehicle	2017-07-04 00:00:00	2017-07-14 17:00:00	Arming	system	<input type="checkbox"/> ON
<input type="checkbox"/>	TM03NRD	Accident Vehicle	2017-07-04 00:00:00	2017-07-05 17:00:00	Arming	system	<input type="checkbox"/> ON
<input type="checkbox"/>	AVV907	Over Speed Vehicle	2017-04-30 00:01:25	2017-07-31 00:01:25	Arming	system	<input type="checkbox"/> ON
<input type="checkbox"/>	AVV906	Over Speed Vehicle	2017-04-30 00:01:24	2017-07-31 00:00:00	Disarm	system	<input type="checkbox"/> OFF
<input type="checkbox"/>	AVV905	Over Speed Vehicle	2017-04-30 00:01:23	2017-05-30 00:01:23	Expired	system	
<input type="checkbox"/>	AVV904	Over Speed Vehicle	2017-04-30 00:01:22	2017-05-30 00:01:22	Expired	system	
<input type="checkbox"/>	AVV903	Over Speed Vehicle	2017-04-30 00:01:21	2017-05-30 00:01:21	Expired	system	
<input type="checkbox"/>	AVV902	Over Speed Vehicle	2017-04-30 00:01:20	2017-05-30 00:01:20	Expired	system	
<input type="checkbox"/>	AVV901	Over Speed Vehicle	2017-04-30 00:01:19	2017-05-30 00:01:19	Expired	system	
<input type="checkbox"/>	AVV900	Over Speed Vehicle	2017-04-30 00:01:18	2017-05-30 00:01:18	Expired	system	
<input type="checkbox"/>	AVV899	Over Speed Vehicle	2017-04-30 00:01:17	2017-05-30 00:01:17	Expired	system	
<input type="checkbox"/>	AVV898	Over Speed Vehicle	2017-04-30 00:01:16	2017-05-30 00:01:16	Expired	system	


Total 718 record(s). 1 2 3 4 5 ... 48 Go to page 1 Go


Figure 21-6

Step 3. Figure 21-7, enter plate no., start time, end time, vehicle type, plate color, vehicle brand and arm type, click OK.

Add ✕

Plate No.: \*

Start Time: \*  

End Time: \*  

Vehicle Type:  ▼

Plate Color:  ▼

Vehicle Brand:  ▼

Vehicle Color:  ▼

Arm Type:  ▼

---

Figure 21-7

Step 4. Arm type is in Figure 21-8.

- Over Speed Vehicle
- Theft Vehicle
- Accident Vehicle
- Suspicious Vehicle
- Intercept Vehicle
- Check
- Track
- High-risk Vehicle

Figure 21-8

## 21.4 Road Monitoring Application

### 21.4.1 Default Display

Step 1. Login Client and open new tab, click “ANPR” module to enter road monitoring. See Figure 21-9.

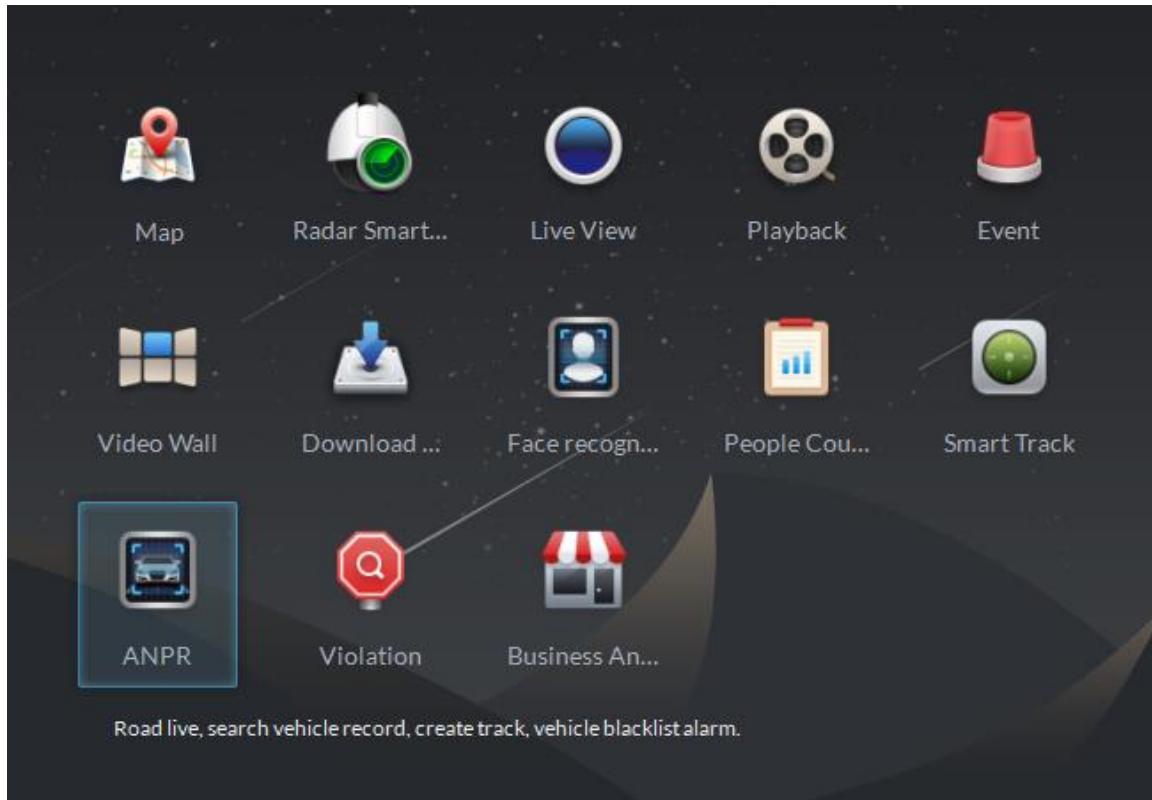


Figure 21-9

Step 2. In Figure 21-10, select tab and enter road monitoring application, it shows E-map in a single window by default, you can manually switch number of window.

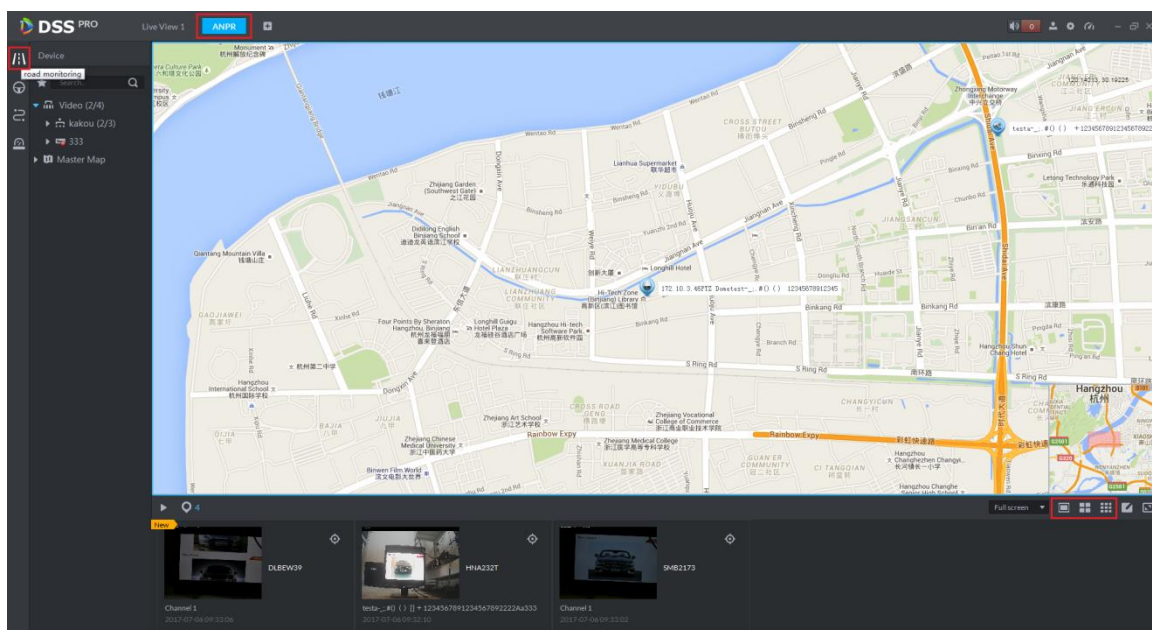


Figure 21-10



## 21.4.2 Passed Vehicle Picture Browse

Step 1. In Figure 21-11 interface, click  button to select ANPR channel.

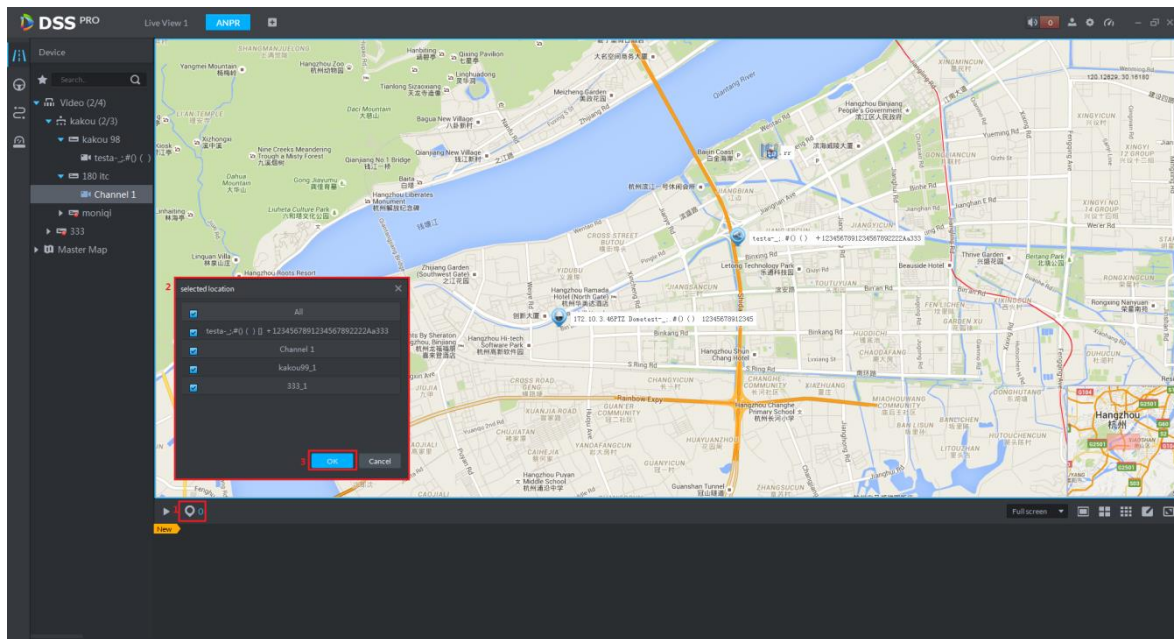




Figure 21-11

Step 2. View passed vehicle picture, see Figure 21-12.  means selected number of device. Click  button to stop refresh. Double click picture to view details.

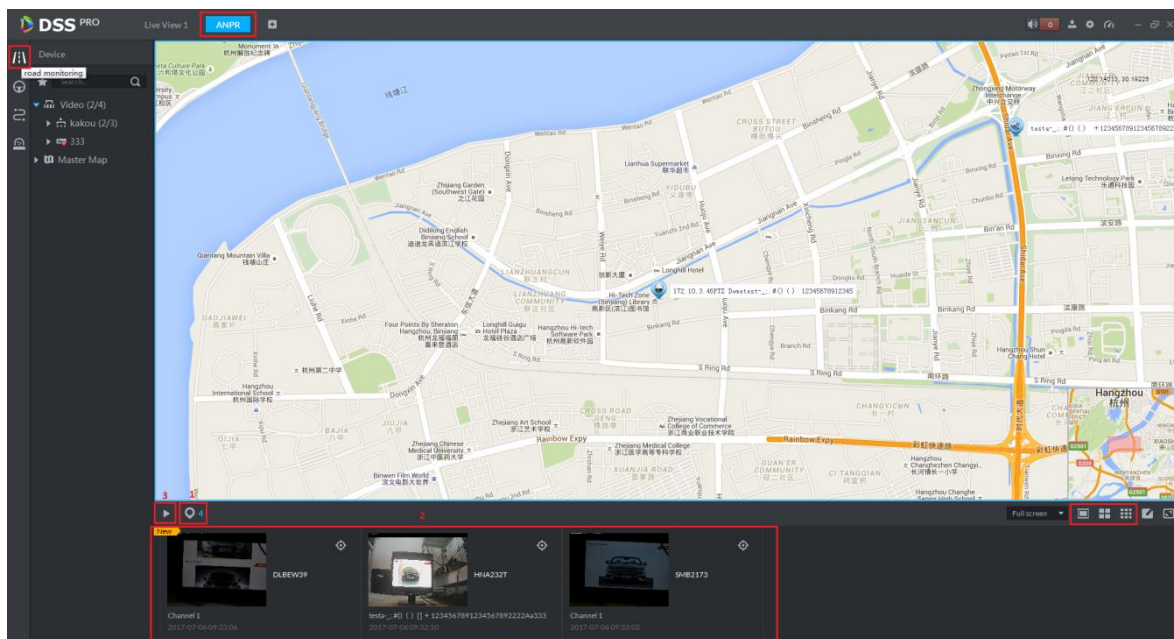


Figure 21-12

## 21.4.3 Video/Picture Preview

Step 1. Switch to four windows. Double click one ANPR channel of video on device tree. In the opened video window, right click and you can switch to picture preview mode.

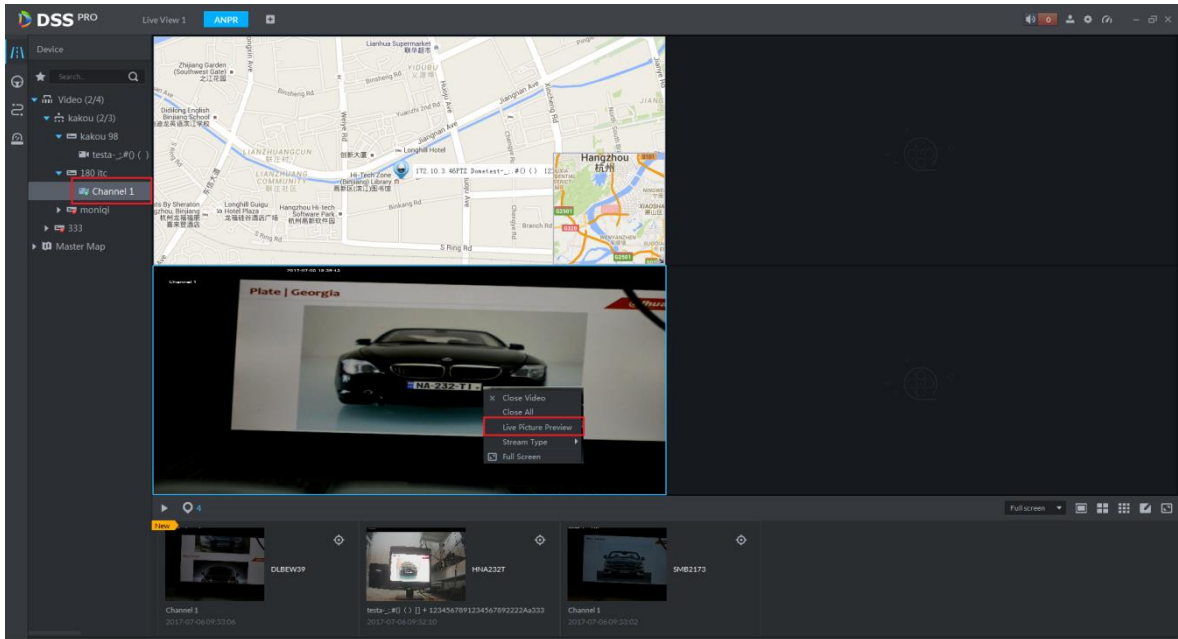




Figure 21-13

## 21.5 ANPR

Step 1. Enter ANPR module, see Figure 21-14. Select  icon to enter ANPR app. First select ANPR device and channel (multiple choice), and select criteria of search, including: period, plate no., plate color, vehicle manufacturer, brand logo, vehicle color, vehicle speed and etc. Click  button to search.

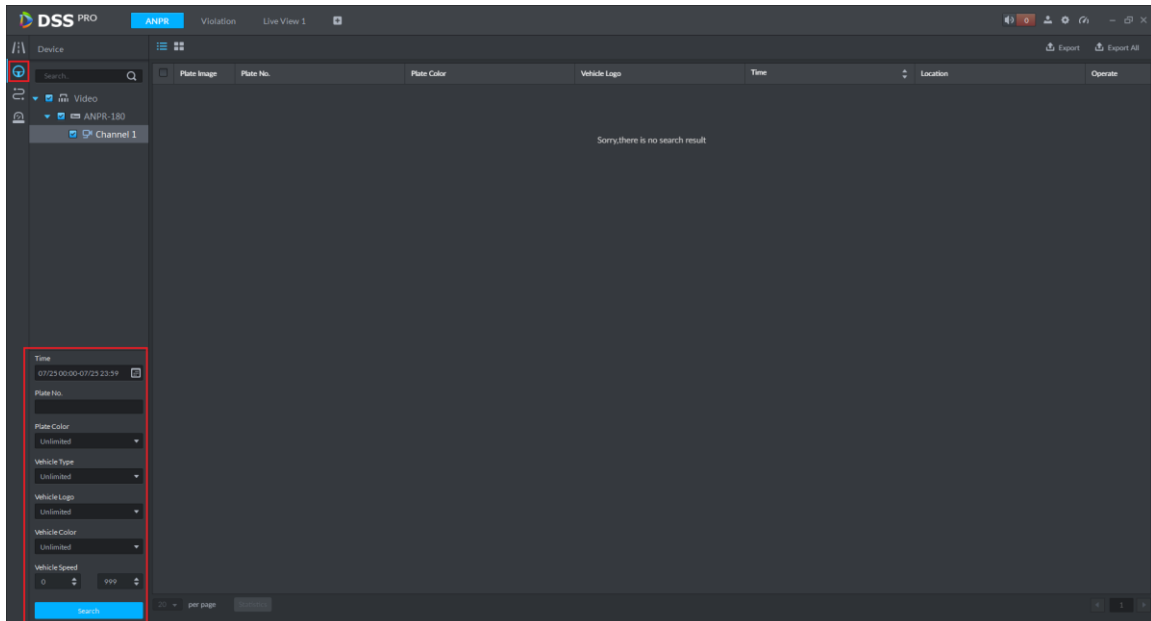
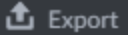
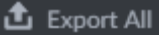



Figure 21-14

Step 2. See Figure 21-15 for result. Click  or  button to export record, click  to view total records.

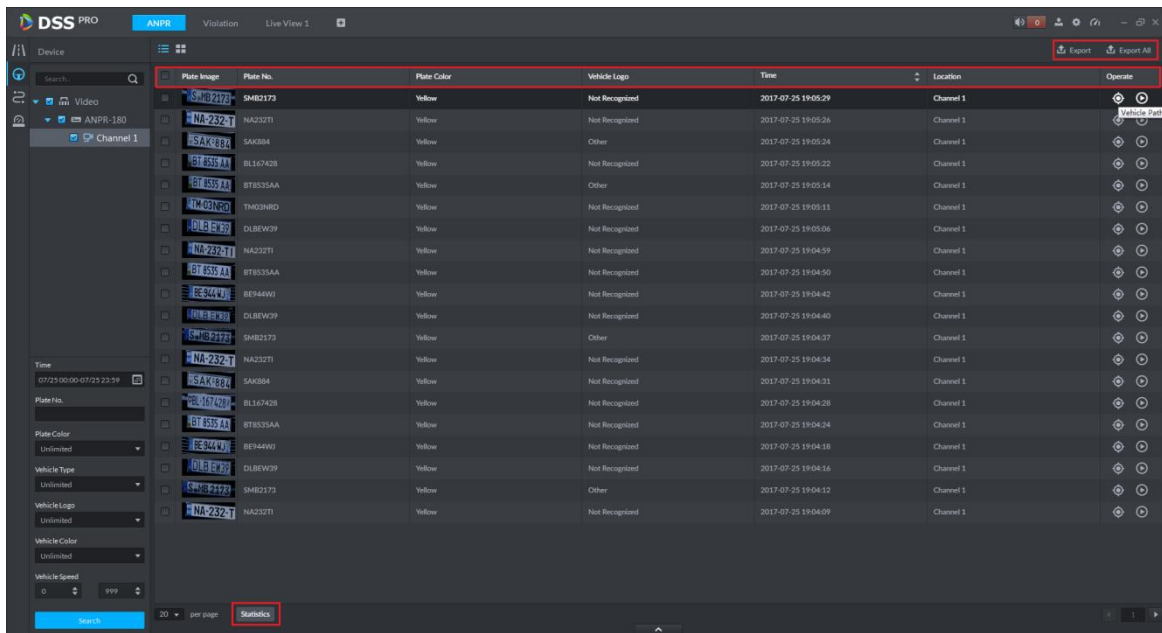


Figure 21-15

Step 3. Click button to view record info of this record.

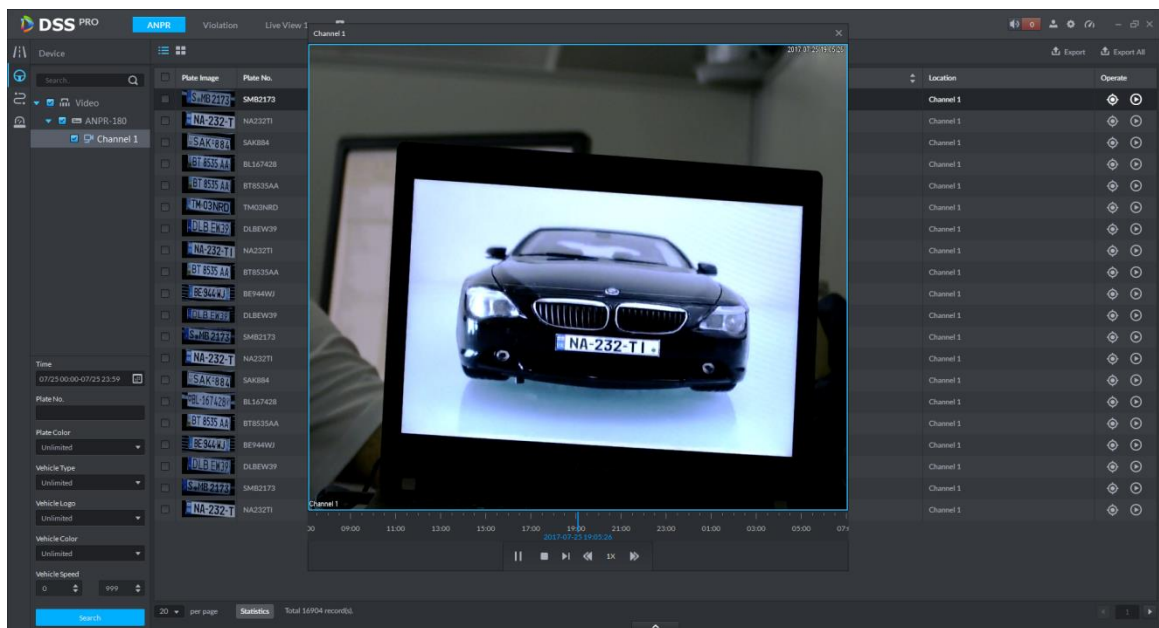


Figure 21-16

Step 4. Click button to search vehicle pattern, see Figure 21-17. It will auto search all passed vehicle records of this vehicle. It will show all time on time axis, and you click vehicle pattern on e-map which connects ANPR device where vehicle passed.



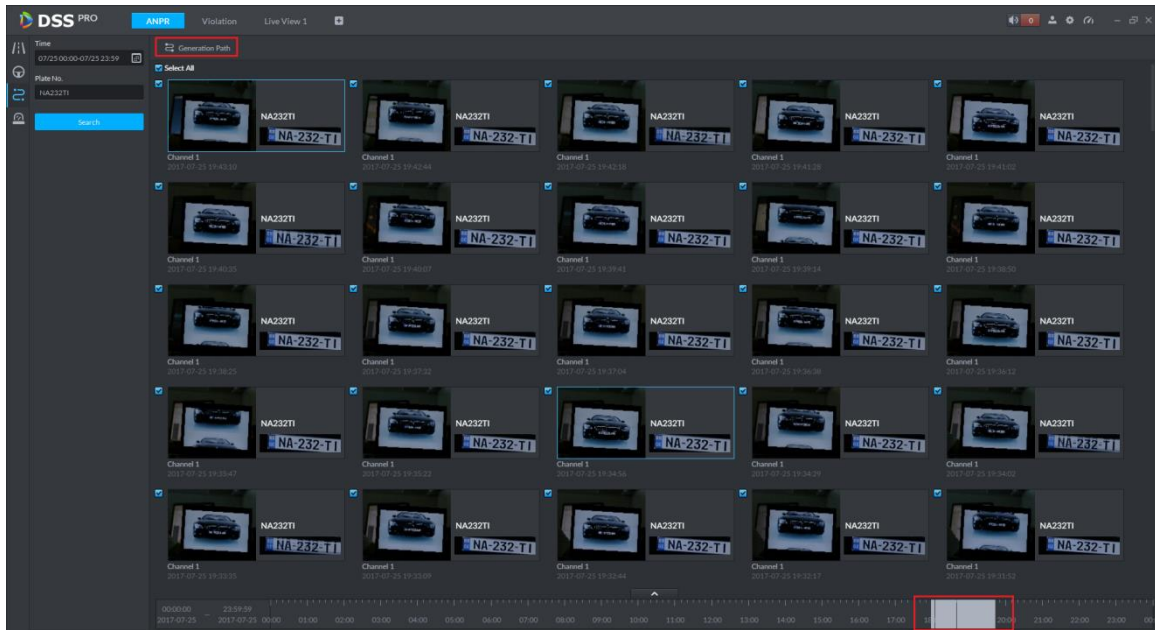


Figure 21-17

Step 5. See Figure 21-18.

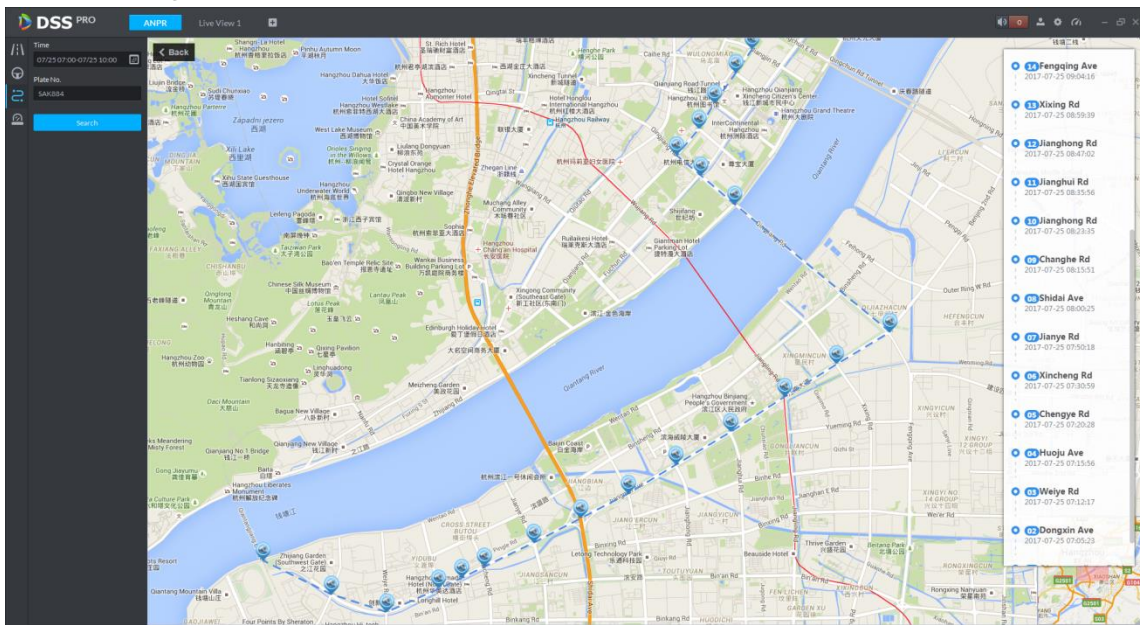



Figure 21-18

## 21.6 Vehicle Pattern

Enter road monitoring module, see Figure 21-19. Select  icon to enter vehicle pattern app, select period, enter plate no., click **Search** button to search vehicle pattern. See Ch 21.5 step 4-5.

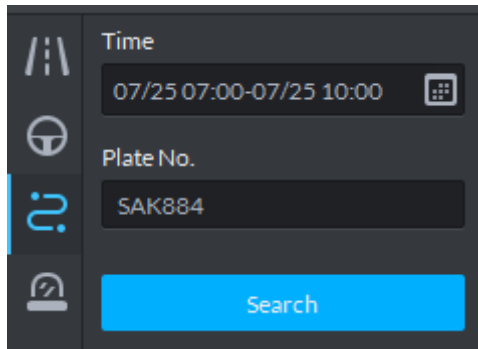




Figure 21-19

## 21.7 Arm Record

Arm record is the record of vehicle on blacklist.

Step 1. Enter road monitoring module, See Figure 21-20, select  icon to enter passed vehicle record app. First select ANPR device and channel (multiple choices), and select search criteria, including: period, plate no., plate color, vehicle manufacturer, brand logo, vehicle color, vehicle speed and etc. Click  button to search.

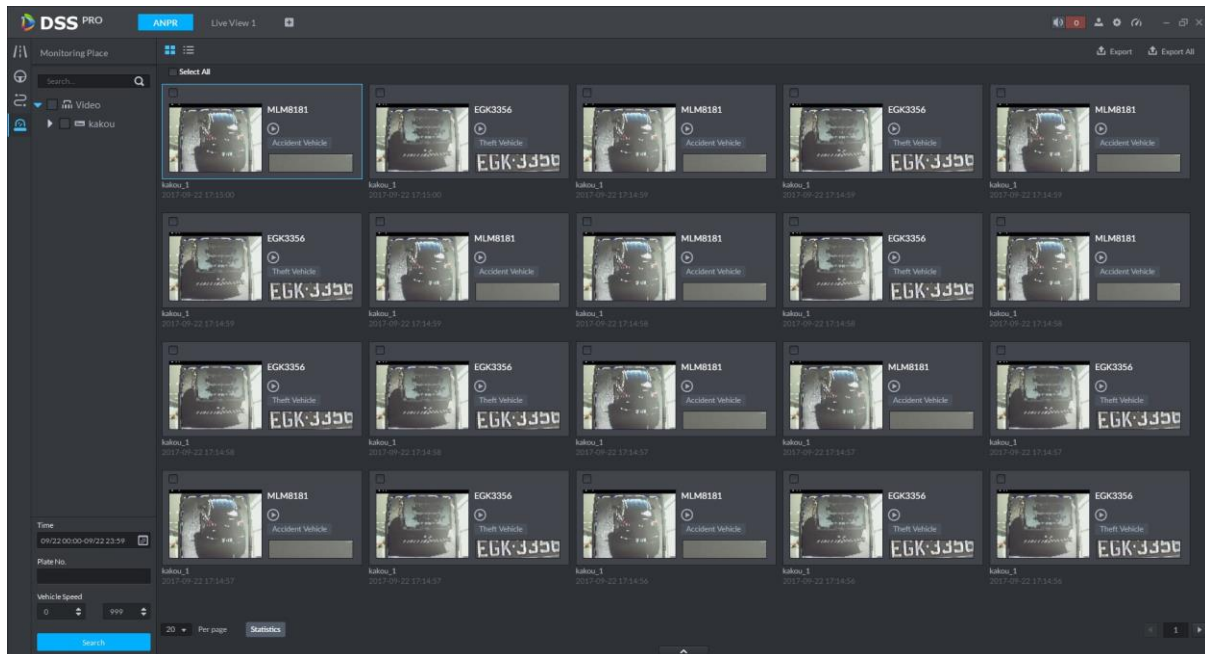


Figure 21-20

## 21.8 Violation Search

Step 1. Log in DSS Client, open a new tab, click “Violation” module to enter violation search application. See Figure 21-21.



Figure 21-21

Step 2. Enter Violation module, see Figure 21-22. Select start time and end time you want to search, enter plate no. (optional), click **Search** button to start.

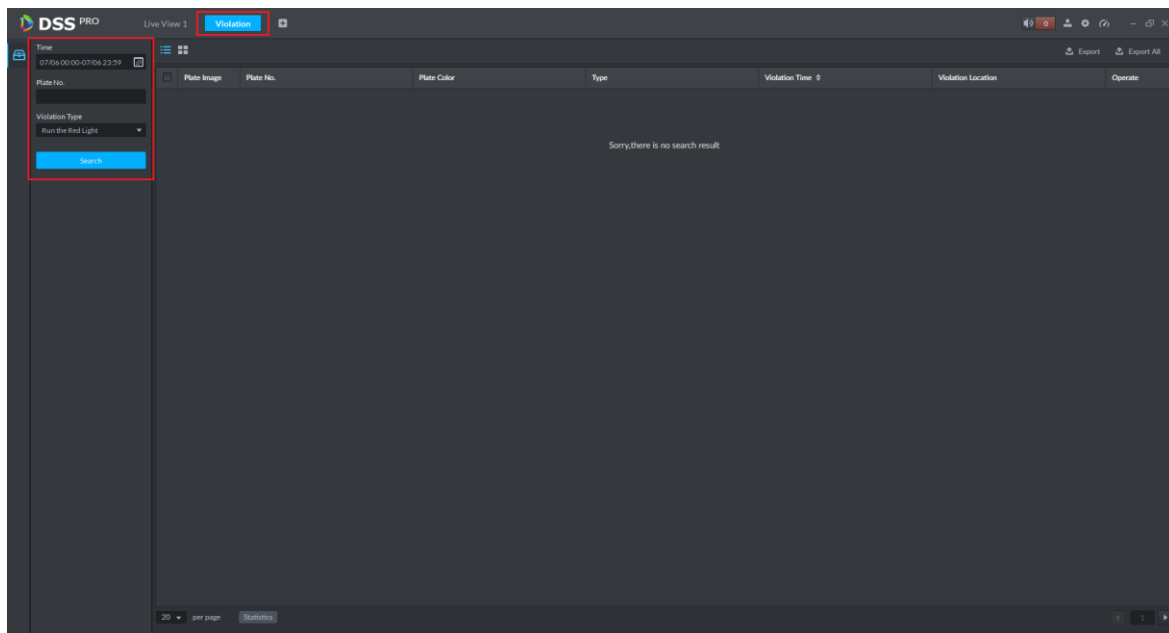


Figure 21-22

Step 3. Search result is in Figure 21-23. You can switch display in list and icon.

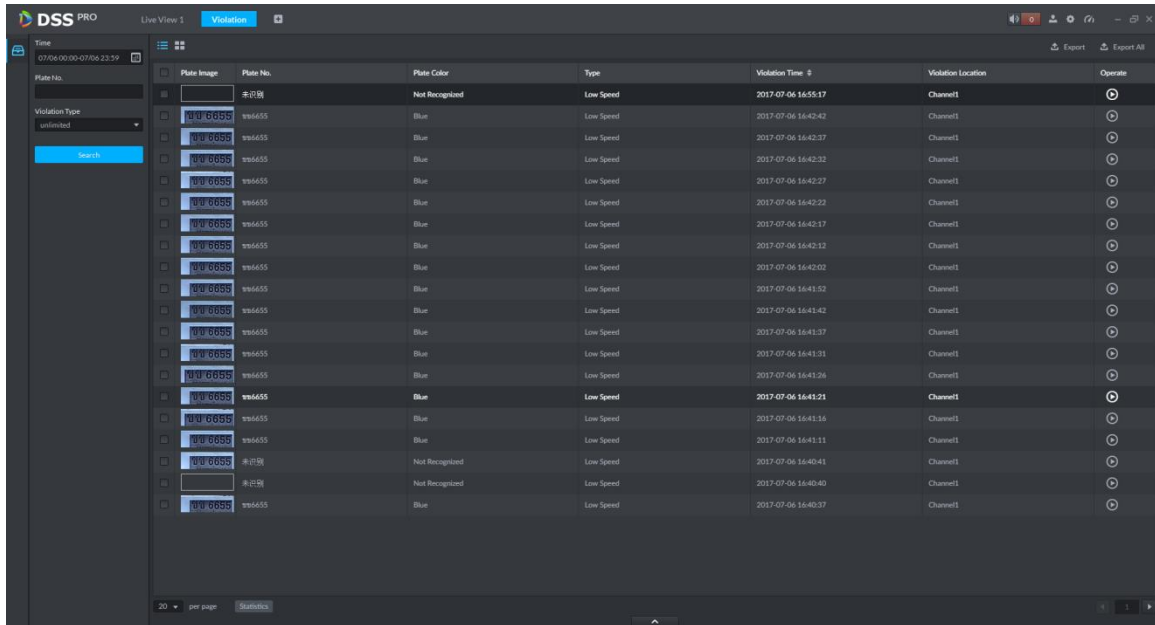



Figure 21-23

Step 4. Click  button to view record info of this record, see Figure 21-24.

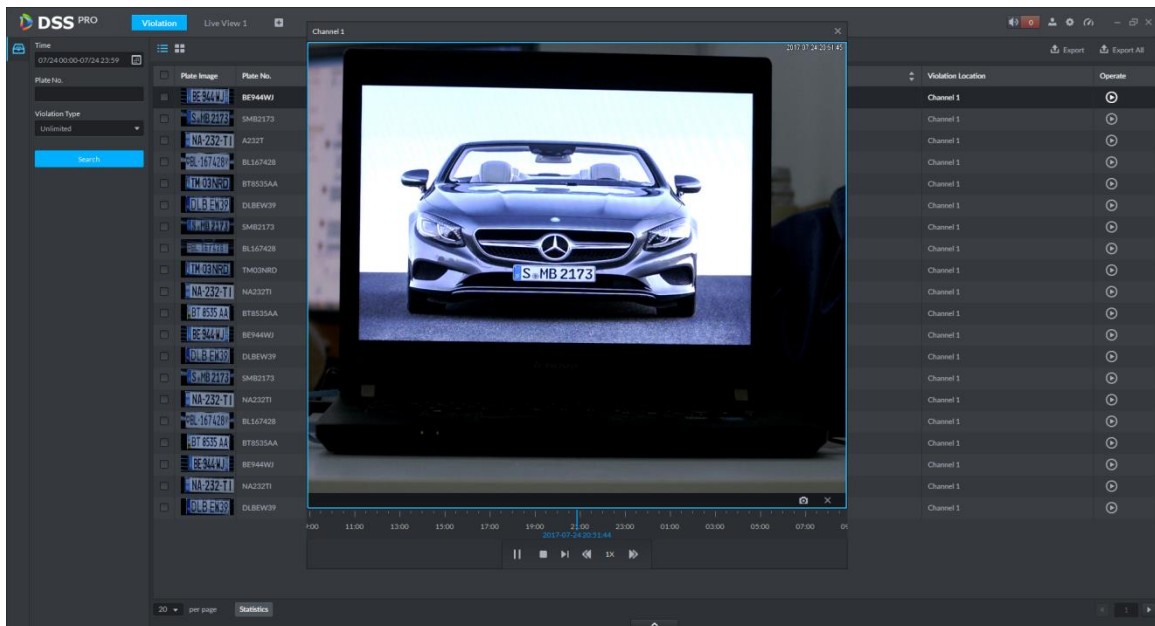




Figure 21-24

Note:

- You must add record storage disk first, and set alarm link plan in Manager before you playback record.
- Ensure that PC time zone and time match with server.

Step 5. Export search list. You can export selected result or all searched info. Click   to export.

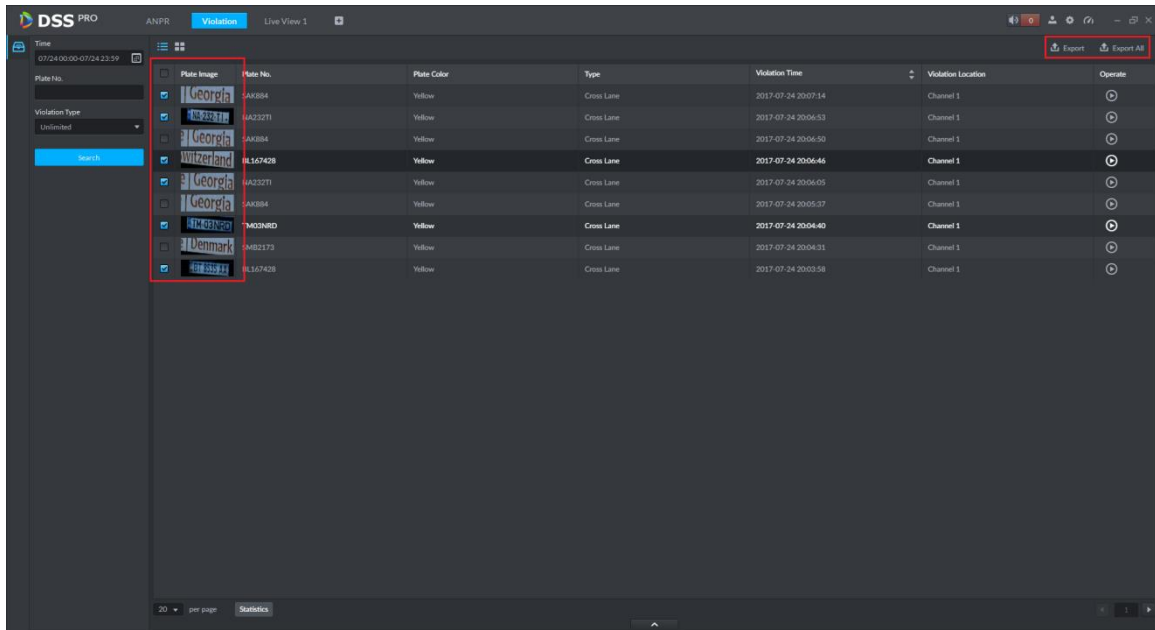


Figure 21-25

Step 6. Successfully exported, and you can see prompt as bellow.

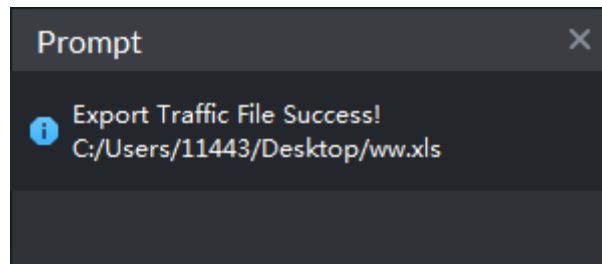
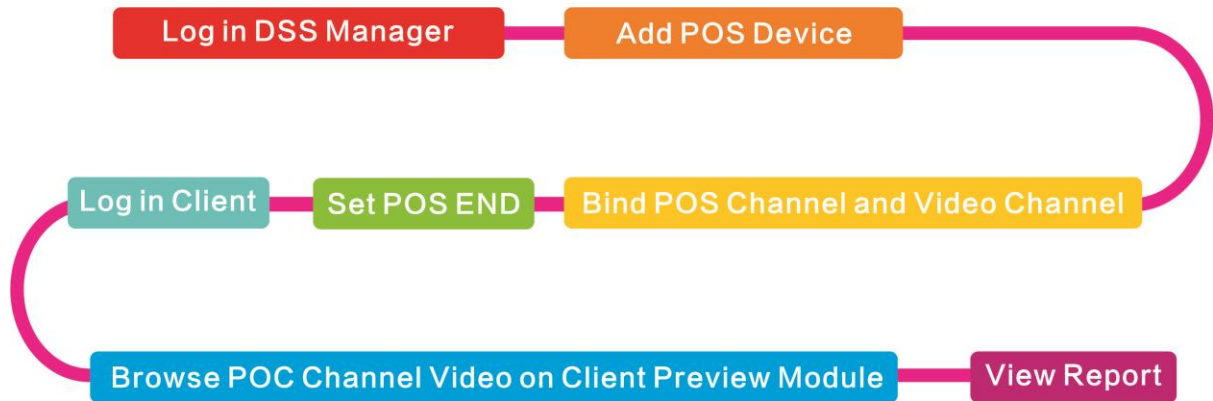


Figure 21-26



# 22 POS

## 22.1 POS Business Flow



## 22.2 Add POS Device

Step 1. Log in DSS Manager, enter Device module, in Figure 22-1. Click **+ Add** button to enter Add interface.

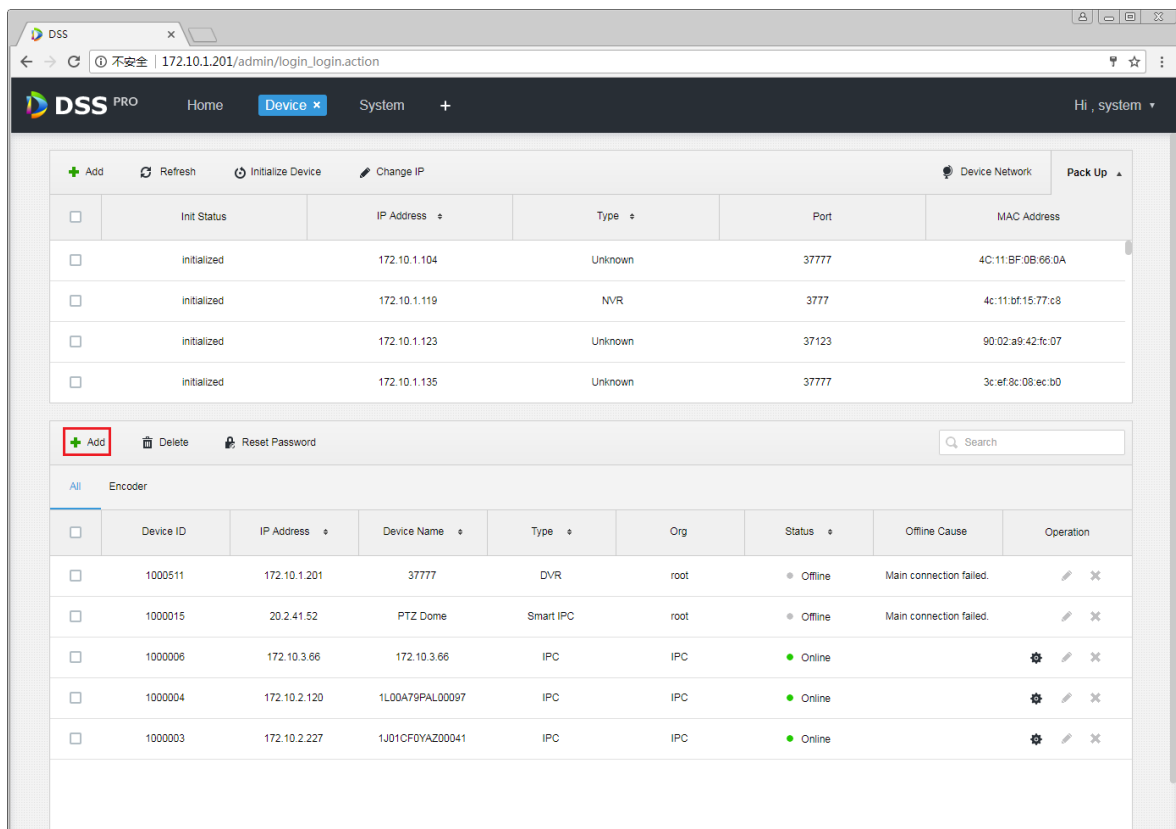


Figure 22-1

Step 2. In Figure 22-2, device category is “POS”, enter IP address, port, username and password of POS device, select device organization and server. Click **Add** to go to next step.

Add ✕

**1. Login Information.** 1.Login Information 2.Device Information

Protocol:

Manufacturer:

Add Type:

**Device Category:**

IP Address:

Device Port:

User:

Password:

Org:

Video Server:

---

Figure 22-2

Step 3. In Figure 22-3, enter POS device name, select role, click OK.

Add All ×

**2. Device Information.**      1.Login Information    2.Device Information

Device Name: \* POS-1

Device SN:

Role: Administrator,Operator

---

Figure 22-3

Step 4. When you complete, in device list you can see device status as in Figure 22-4.

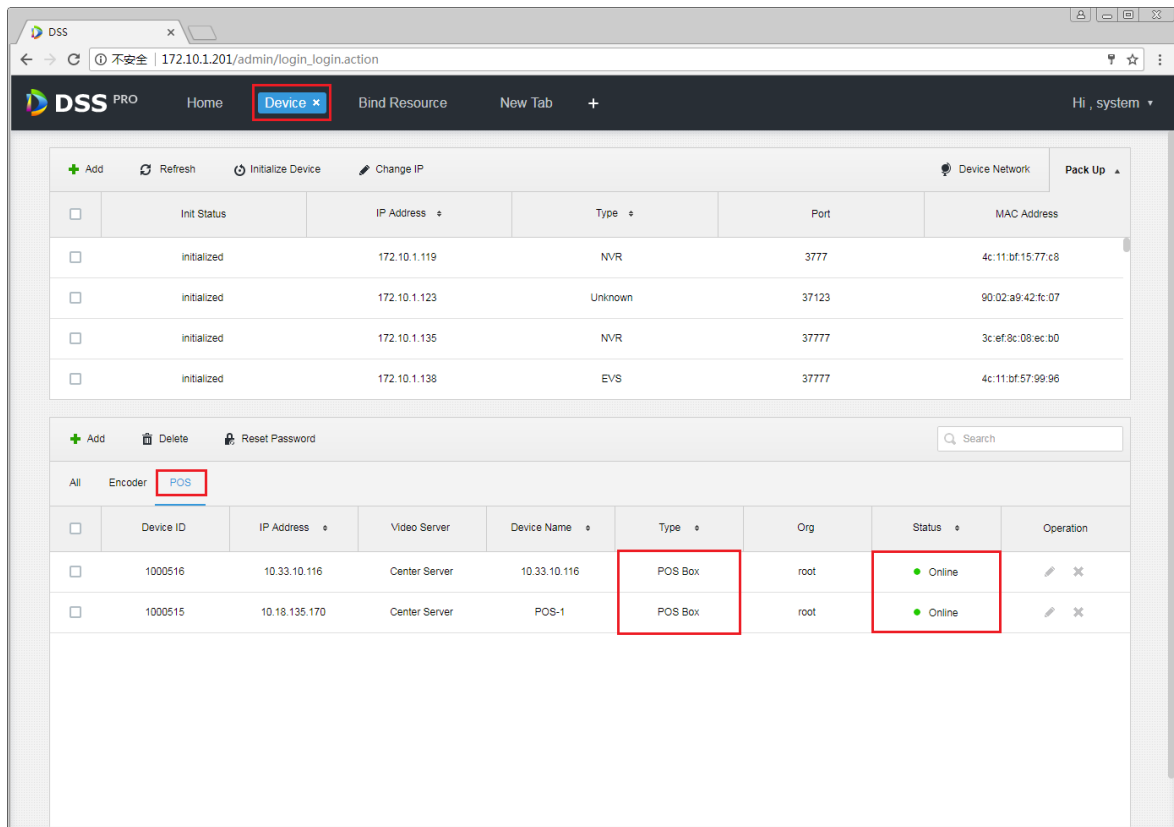


Figure 22-4

## 22.3 Bind POS and Video Channel

One POS device can bind up to 16 video channels. After binding, you can show POS printing info in corresponding video channel.

Step 1. Login DSS Manager, open new tab, in the figure select Bind Resource module. See Figure 22-5.

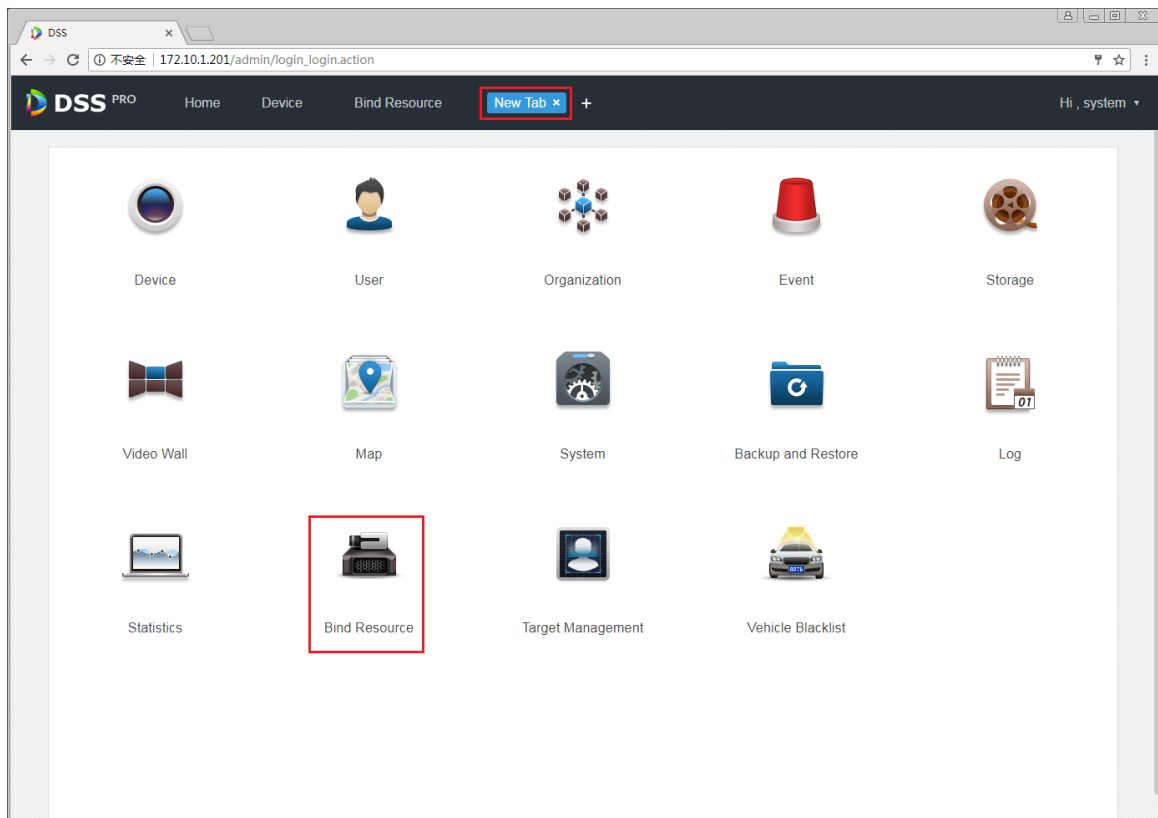


Figure 22-5

Step 2. Enter Bind Resource Module, and in Figure 22-6, select **POS Relation** tab, click **Setting** button to set binding.

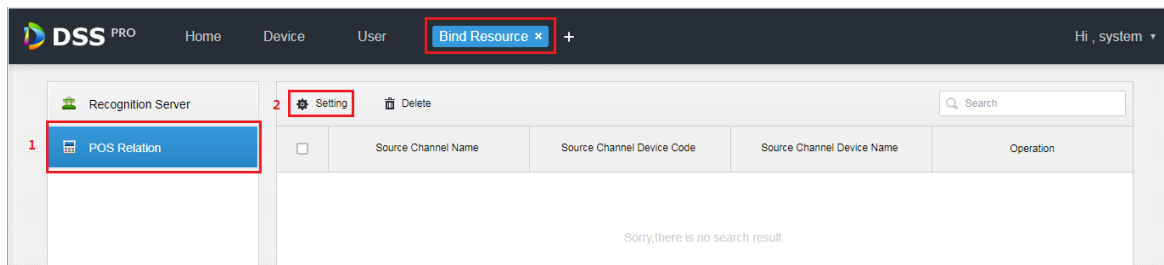


Figure 22-6

Step 3. In the figure, you can set binding, and select POS channel. Select video channel (max 16 channels), click OK to save.

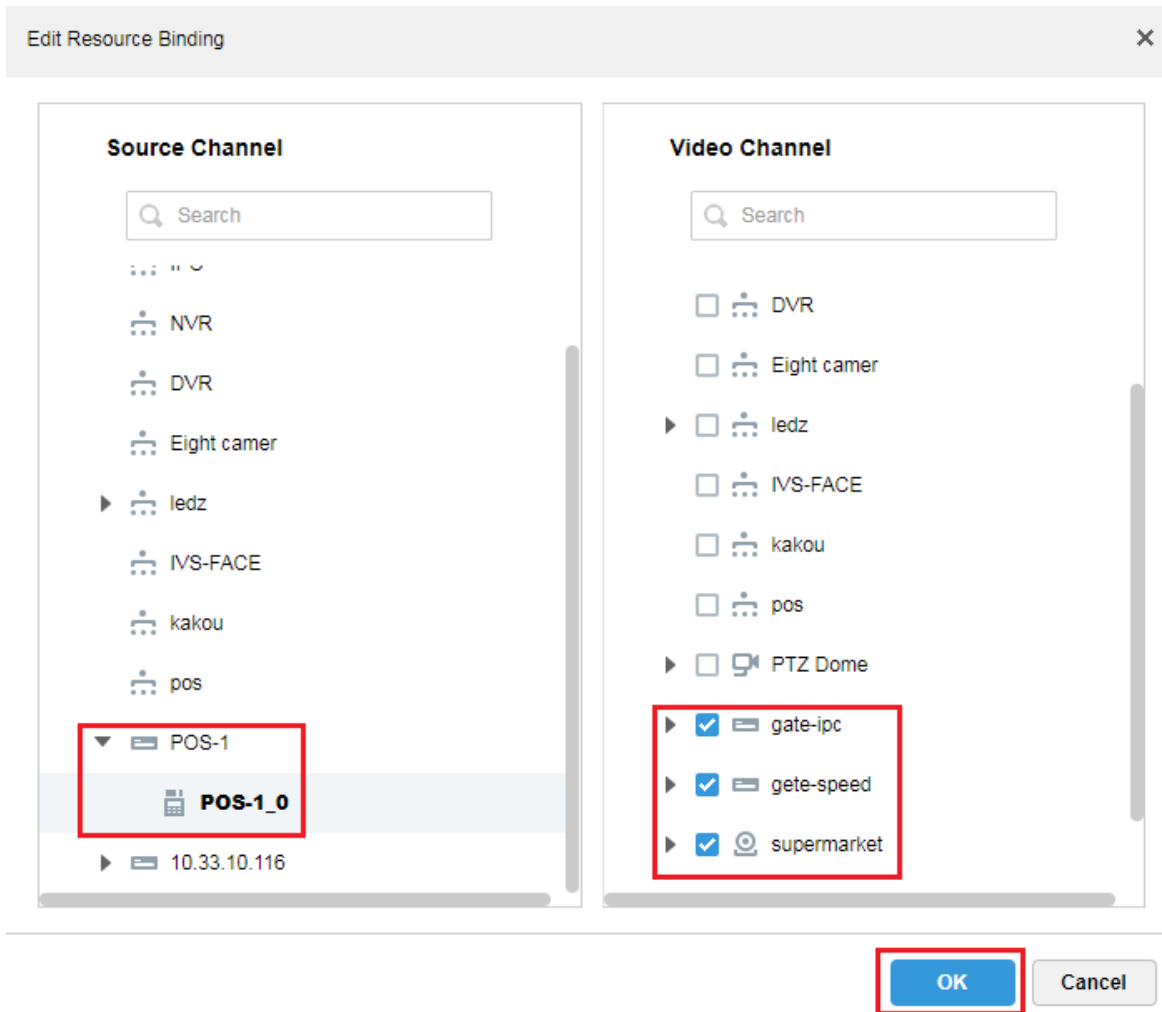


Figure 22-7

Step 4. In Figure 22-8, you can view created POS binding list, click to edit this rule. Click to delete this rule.

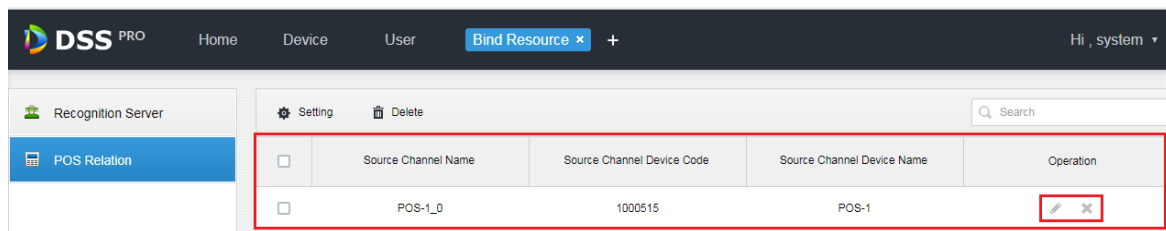


Figure 22-8

## 22.4 Set POS END

Step 1. In DSS Manager, enter system setup module, select tab, set POS END info, click Save button.

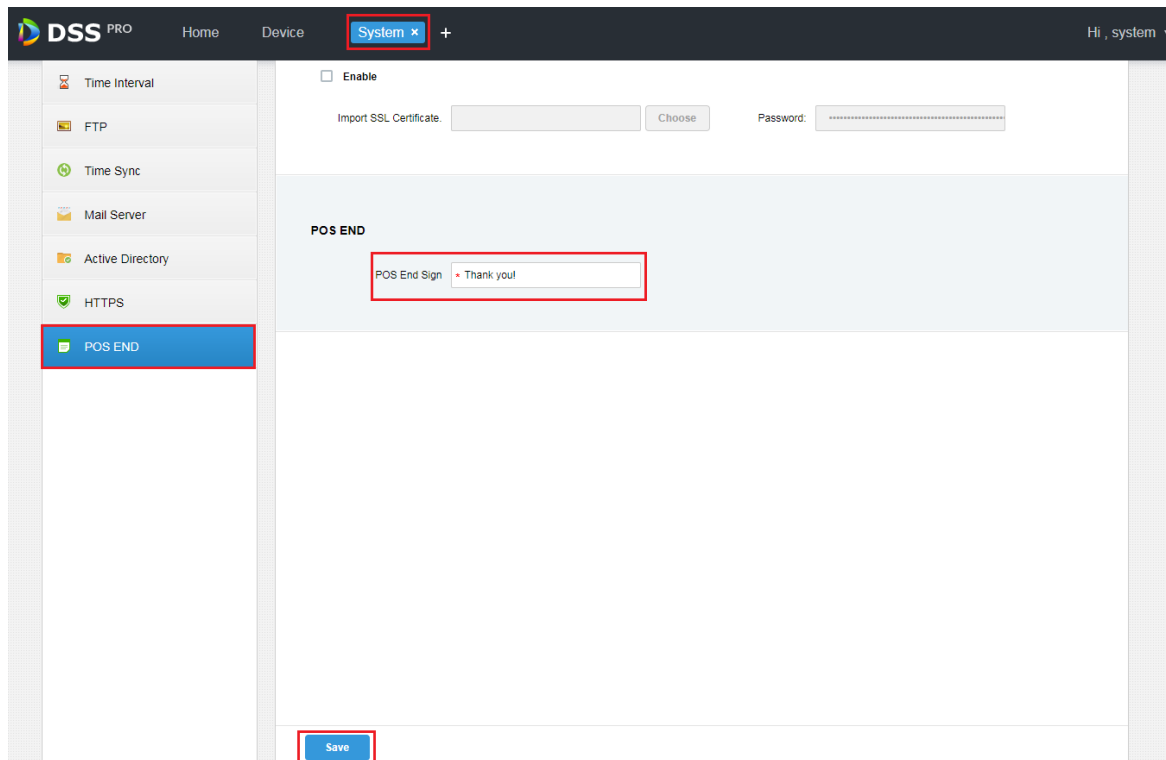


Figure 22-9

## 22.5 Client Demonstration

Log in DSS PRO Client, and in Live module, you can view video channel bound by POS device and POS transaction info.

Step 1. In Client Live module, it shows POS resource list. Double click or drag POS channel to preview window to open video. When POS device has info printed, the window auto overlay transaction info.

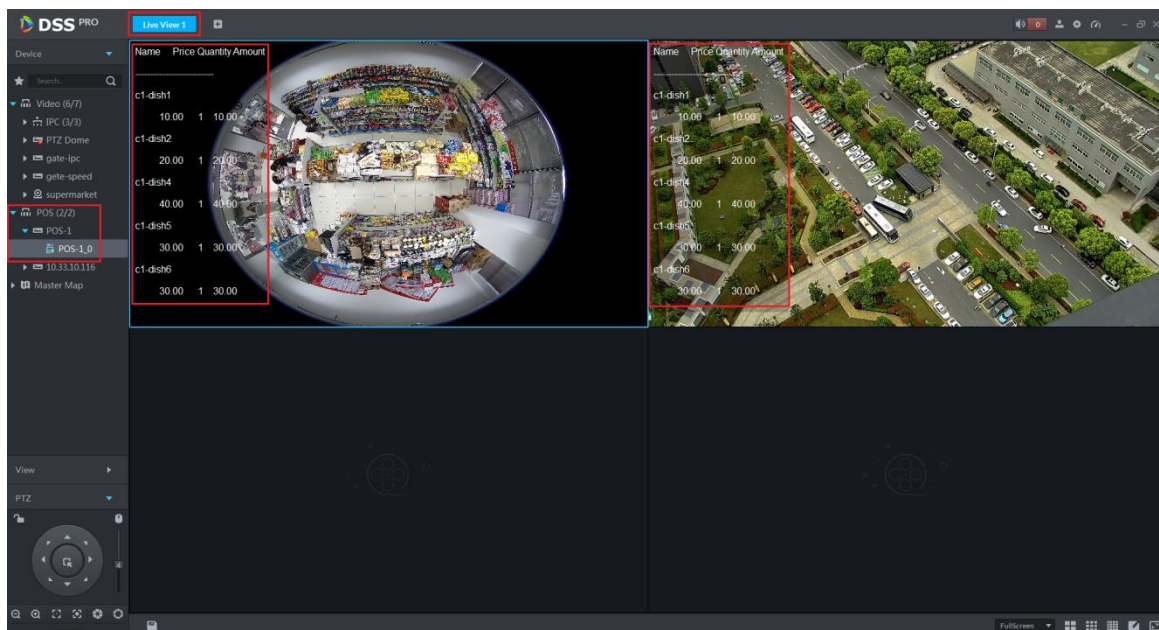
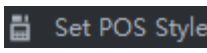


Figure 22-10

Step 2. In Figure 22-11, right click , set POS demonstration format.

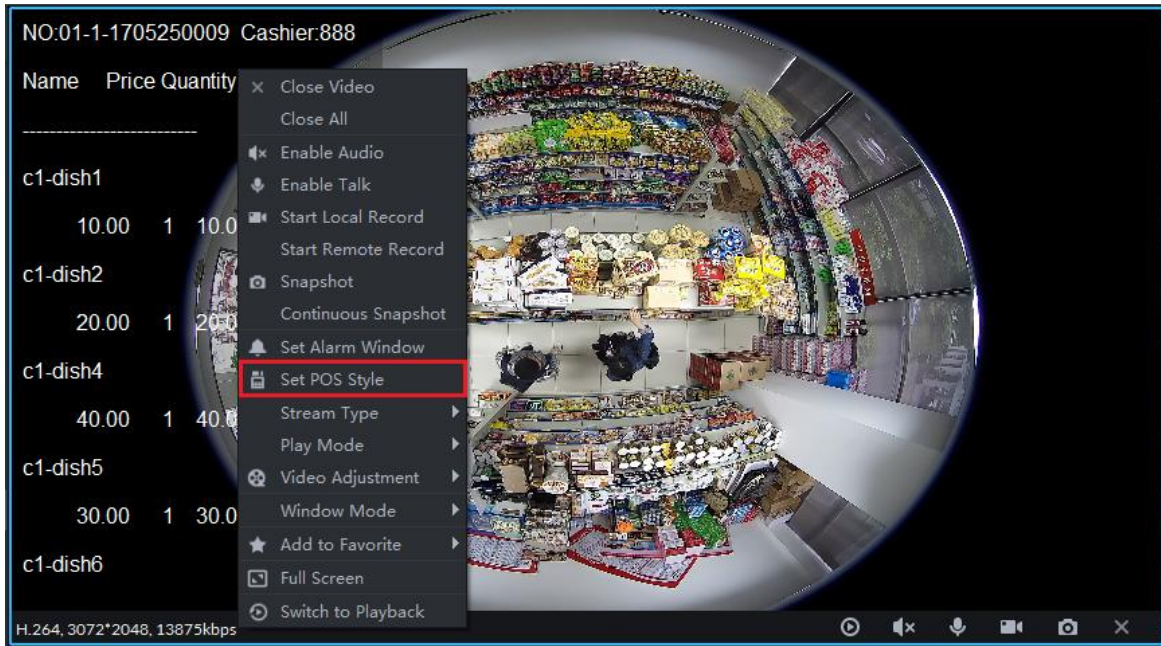


Figure 22-11

Step 3. See Figure 22-12, you can drag black box on the left to set POS info demonstration position, you can set other info: overlay mode (flip/scroll), font size (small/medium/large), background and font color.

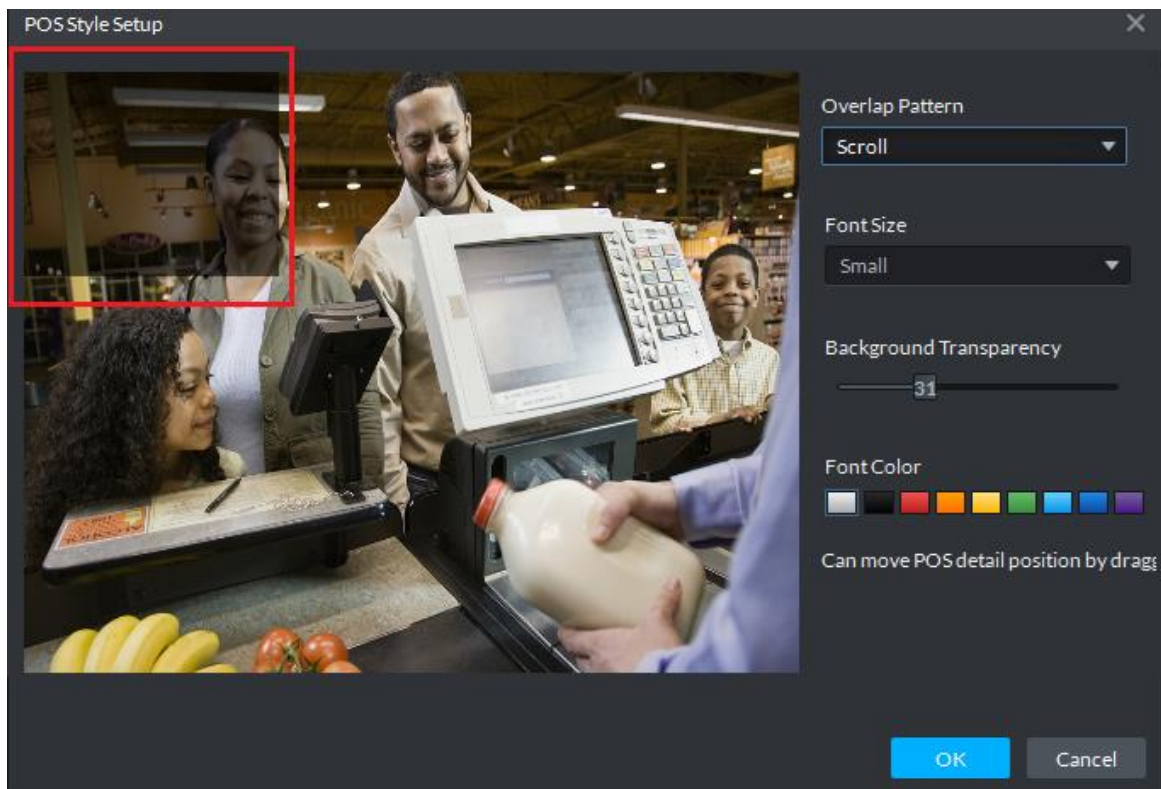


Figure 22-12

## 22.6 View Report

Step 1. In Client click button, in Figure 22-13, click **Business An...** to enter Business



## Analysis module.

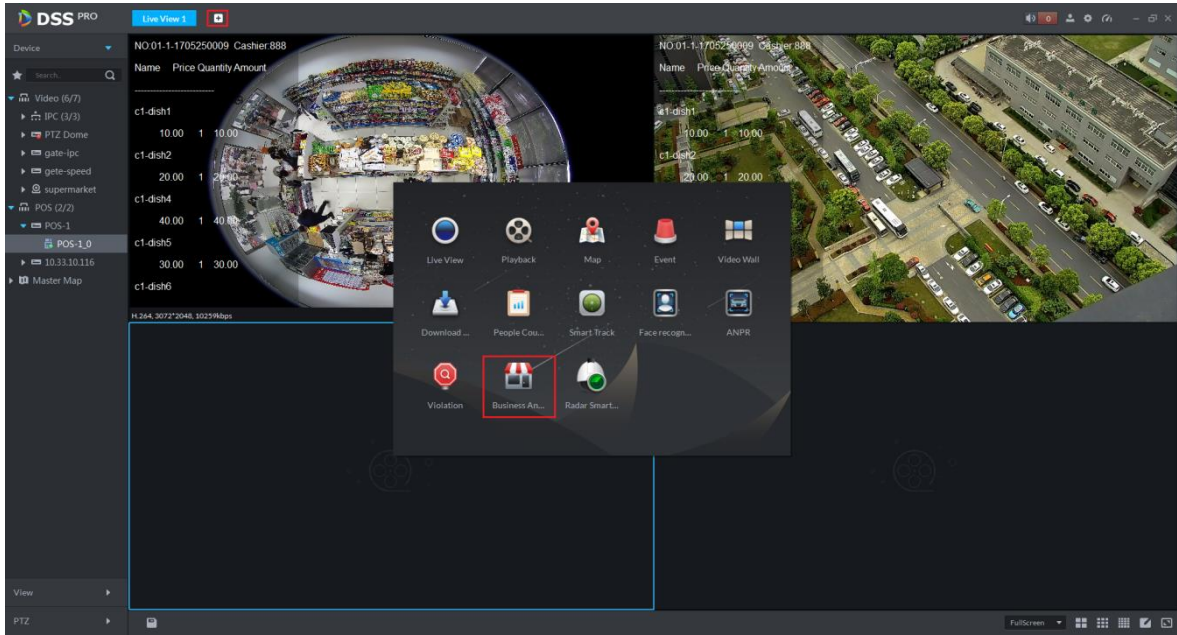



Figure 22-13

Step 2. In the figure, click  to enter report mode. Then select search period (Y/M/D), and click **Search** of corresponding button. On the right, select different tab to display, see Figure 22-14 and Figure 22-15.

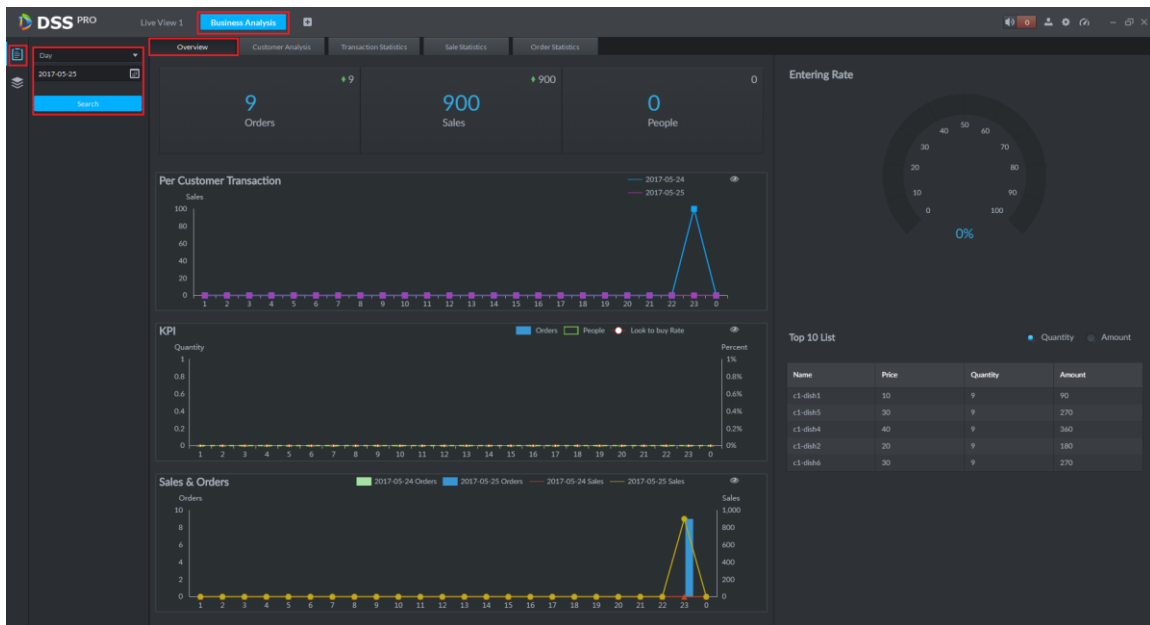


Figure 22-14

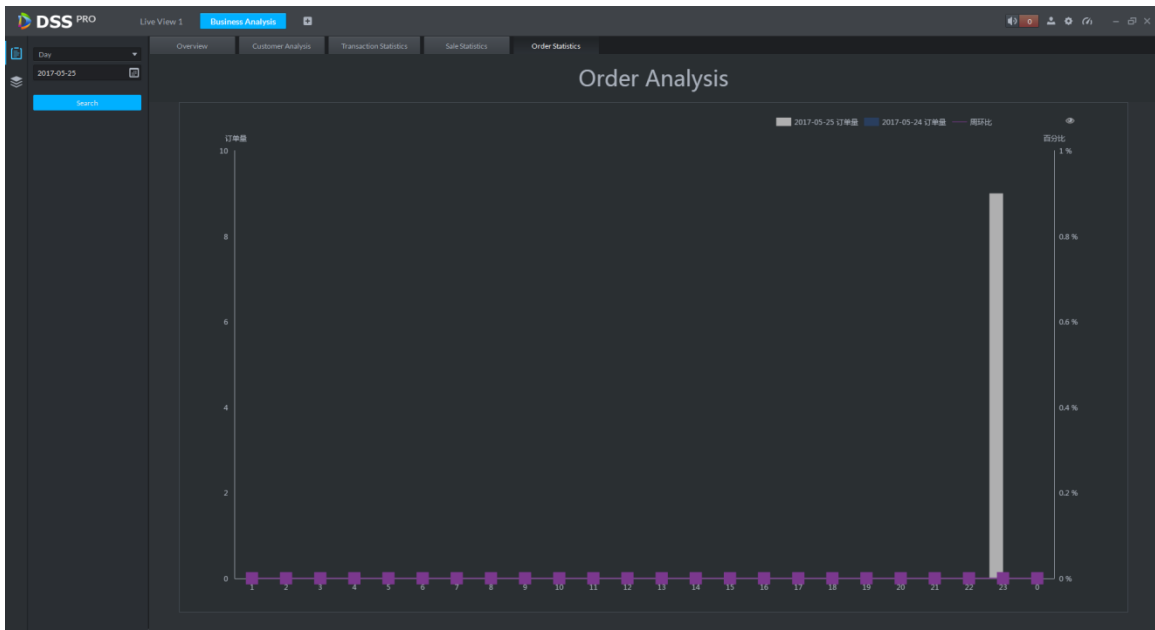
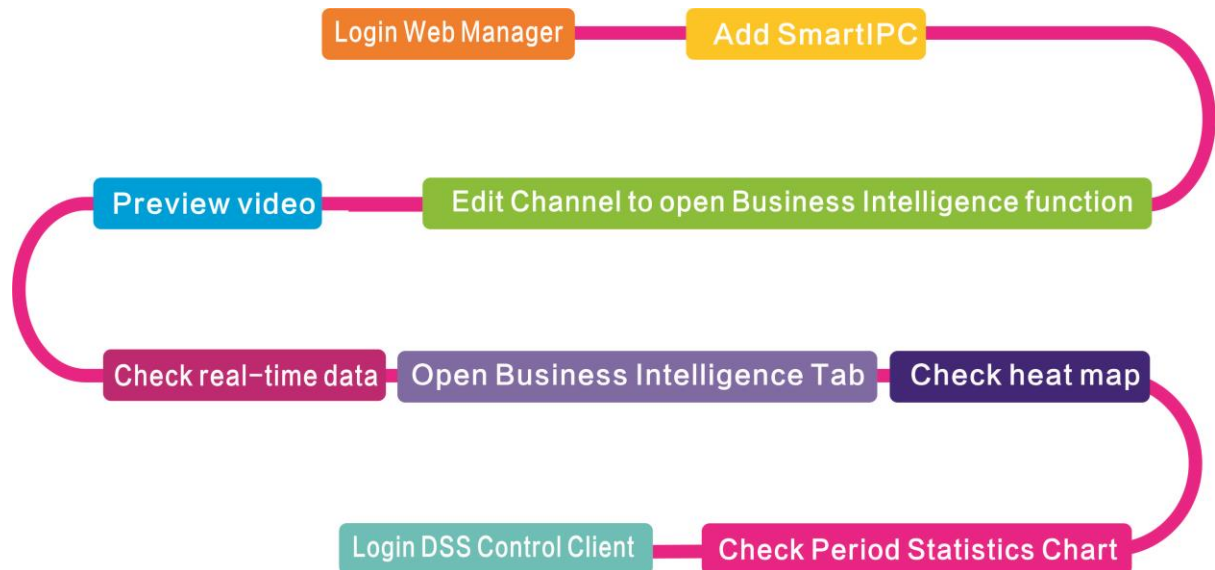


Figure 22-15

# 23 People Count

## 23.1 Flow



## 23.2 Add Smart IPC

Before you can use people count, please add SmartIPC device on DSS Manager.

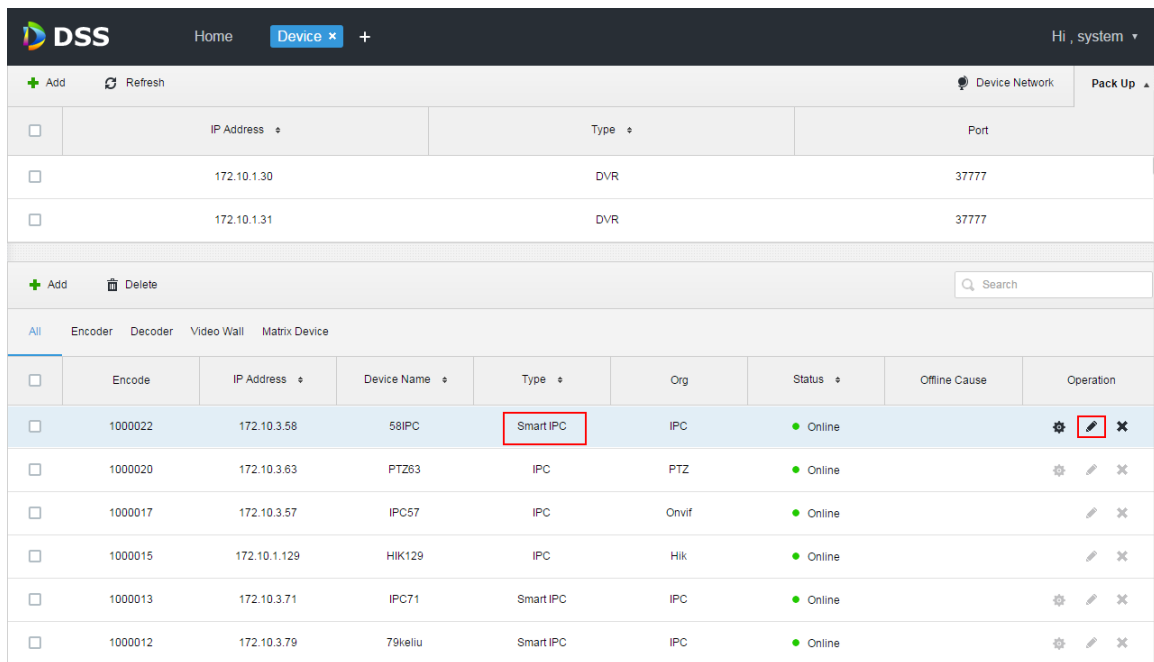
- Step 1. Login DSS Manager.
- Step 2. In Device Manager interface, click Add.
- Step 3. Enter IP address, click Add.
- Step 4. Enter device name, select Smart IPC for device type, see

The screenshot shows a dialog box titled "Add All" with a close button (X) in the top right corner. Below the title bar, there are two tabs: "1.Login Information" and "2.Device Information", with the second tab being the active one. The "2. Device Information" section contains several input fields: "Device Name" with the value "3.79" and a red asterisk icon; "Type" with a dropdown menu showing "Smart IPC" (this field is highlighted with a red border); "Device SN"; "Video Channel" with the value "1"; "Alarm Input Channel" with the value "1"; and "Alarm Output Channel" with the value "1". At the bottom of the dialog, there are three buttons: "Back", "Continue to add", and "OK".

Figure 23-1

- Step 5. Click OK.

Step 6. Click  next to complete Smart IPC device, see Figure 23-2.



IP Address	Type	Port
172.10.1.30	DVR	37777
172.10.1.31	DVR	37777

Encode	IP Address	Device Name	Type	Org	Status	Offline Cause	Operation
1000022	172.10.3.58	58IPC	Smart IPC	IPC	Online		
1000020	172.10.3.63	PTZ63	IPC	PTZ	Online		
1000017	172.10.3.57	IPC57	IPC	Onvif	Online		
1000015	172.10.1.129	HIK129	IPC	Hik	Online		
1000013	172.10.3.71	IPC71	Smart IPC	IPC	Online		
1000012	172.10.3.79	79keliu	Smart IPC	IPC	Online		

Figure 23-2

## 23.3 People Count Statistics

Step 1. Login DSS Client. Click  next to Preview, select people count. See Figure 23-3.

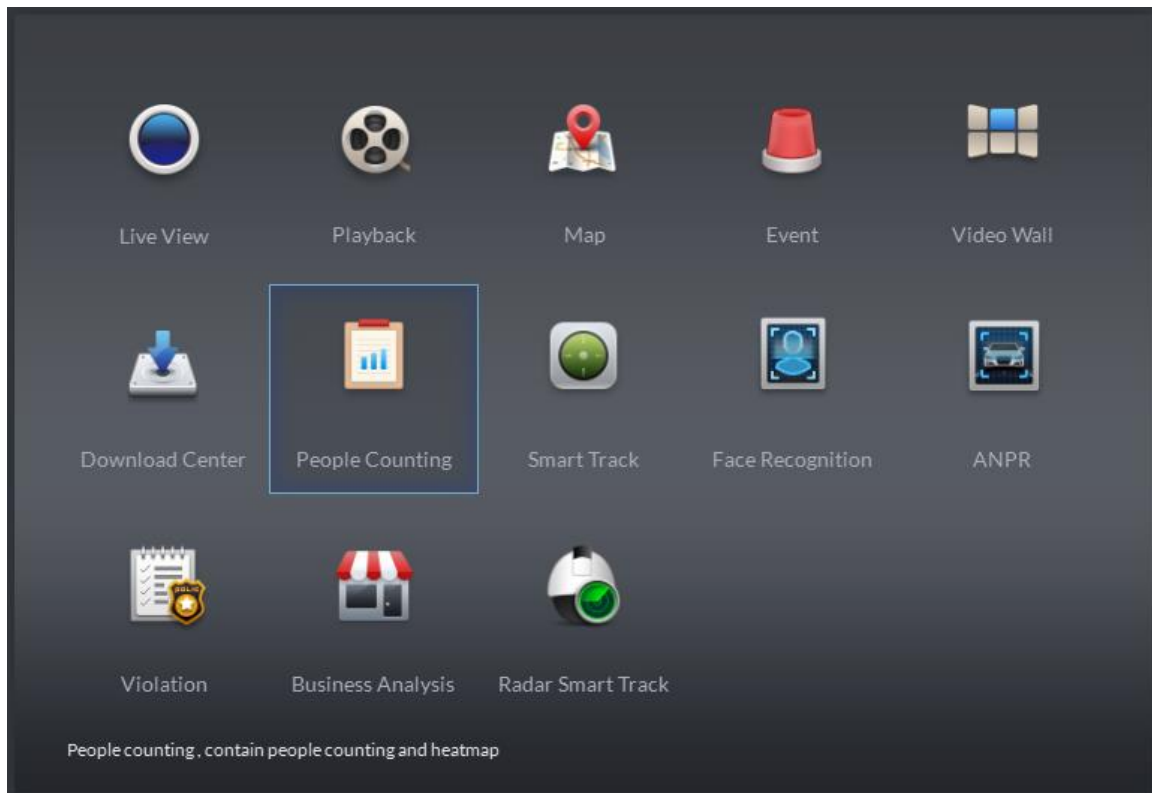


Figure 23-3

Step 2. Enter People Counting, see Figure 23-4.

## Appendix 1 Server Module

Abbreviation	Service Name	Function	Port	Protocol
CMS	Center Management Service	Manage each service and provide access interface.	80	TCP
MQ	Message Queue Service	Responsible for message transfer between platforms	61616	TCP
DMS	Device Management Service	Log in front end encoder, receive alarm, forward alarm, send time command.	9200	TCP
MTS	Media Transmission Service	Get audio and video stream from the front-end device, then distribute to the SS, client, decoding device.	9100	TCP
SS	Storage Service	Video storage , video query and video playback	9320	TCP
VMS	Video Matrix Service	Log in the decoding device and send the wall task to the decoding device.	Not a fixed value/no need mapping to WAN	TCP
MGW	MediaGateway Service	Send the address of the MTS to the decoding device	9090	TCP
ARS	Auto Register Service	Monitor and login auto-register device, get stream from the device then send to MTS	9500	TCP
PCPS	ProxyList Control Proxy Service	Login Hik and Onvif device, get stream from the device then send to MTS	5060/14509	UDP/TCP
ADS	Alarm Dispatch Service	According to the plan to send alarm information to different objects	9600	TCP

**Note:**

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