


Figure 23-4

Step 3. Click  on the left, and select device channel. Below select report type, statistical time, click Search, see Figure 23-5.

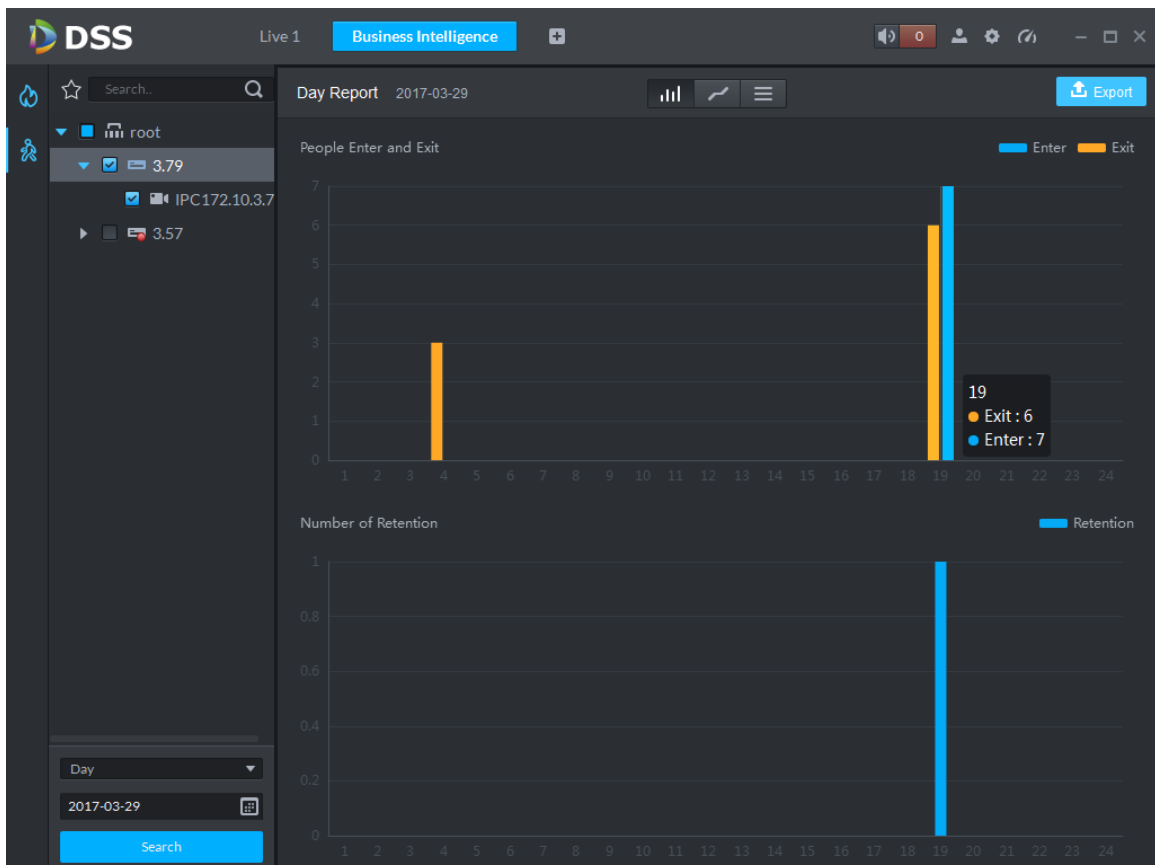


Figure 23-5

You can view line chart or list.

23.4 View People Count in Preview

In Preview interface, you can view Smart IPC video, and people count is shown at the upper-left corner, see Figure 23-6.

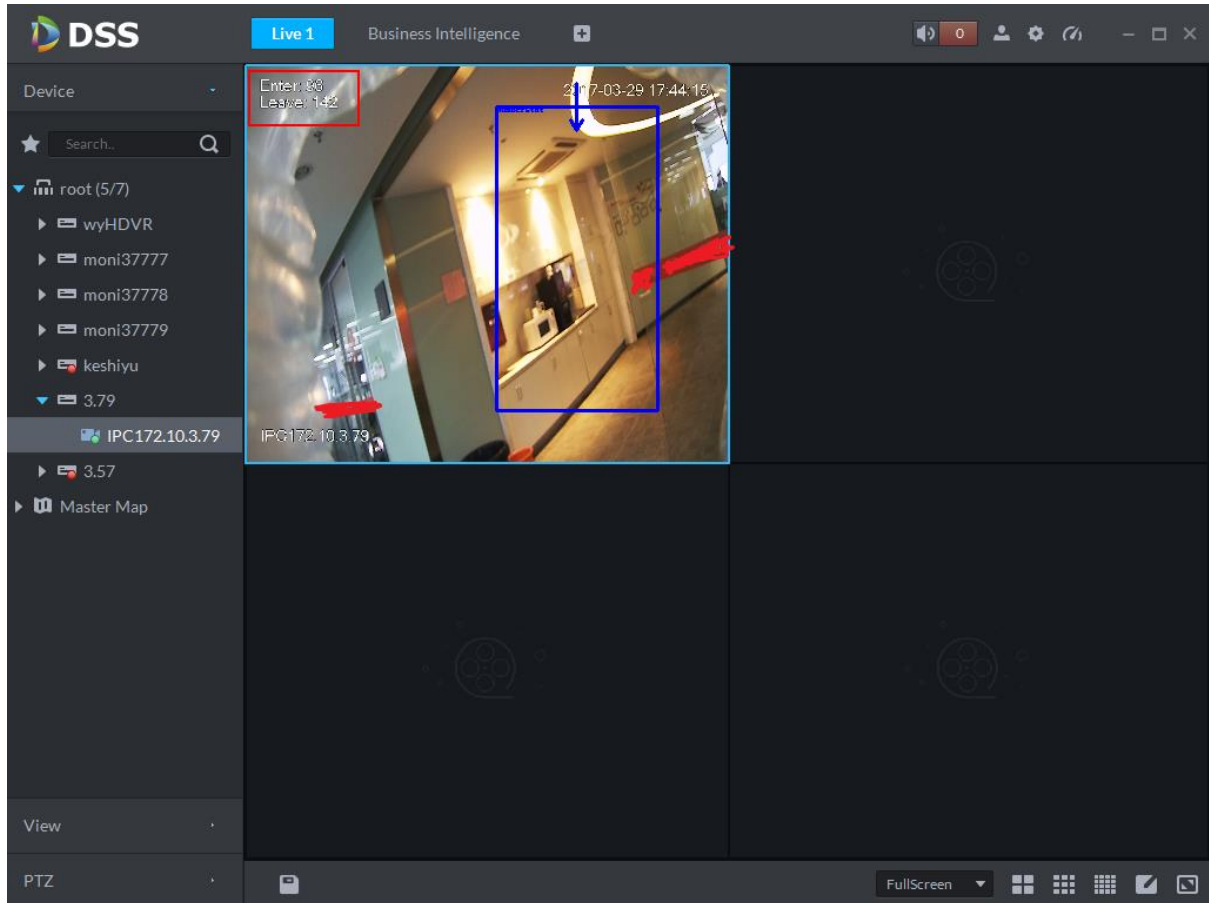


Figure 23-6

Entry/exit count is shown at the upper-left corner, see Figure 23-7.

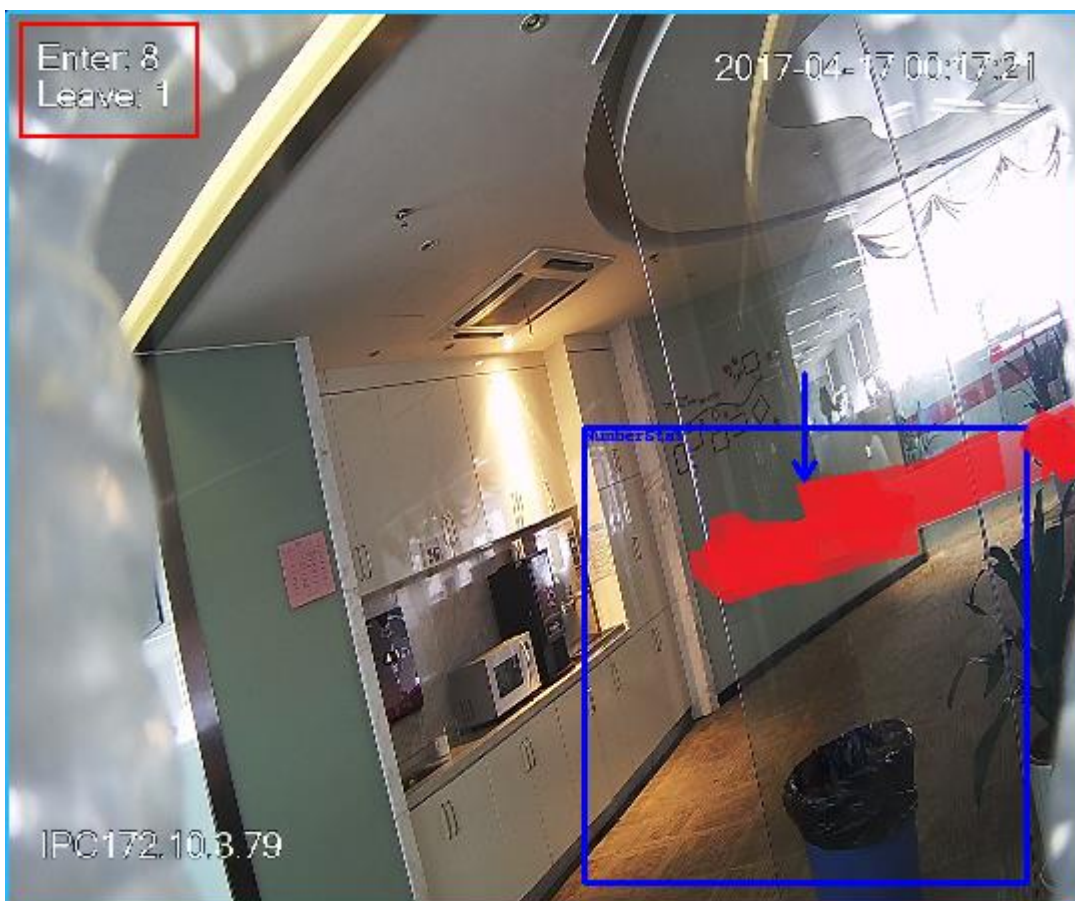


Figure 23-7

23.5 Heat Map

Step 1. Click  tab.

Step 2. Select channel to show heat map, and select time, click Search. See Figure 23-8.

Note:

The device sends heat map data to platform on a real-time basis. Starting when device is added to platform, you can search heat map data uploaded. Unit of search is week (interval between start time and end time cannot exceed 1 week).

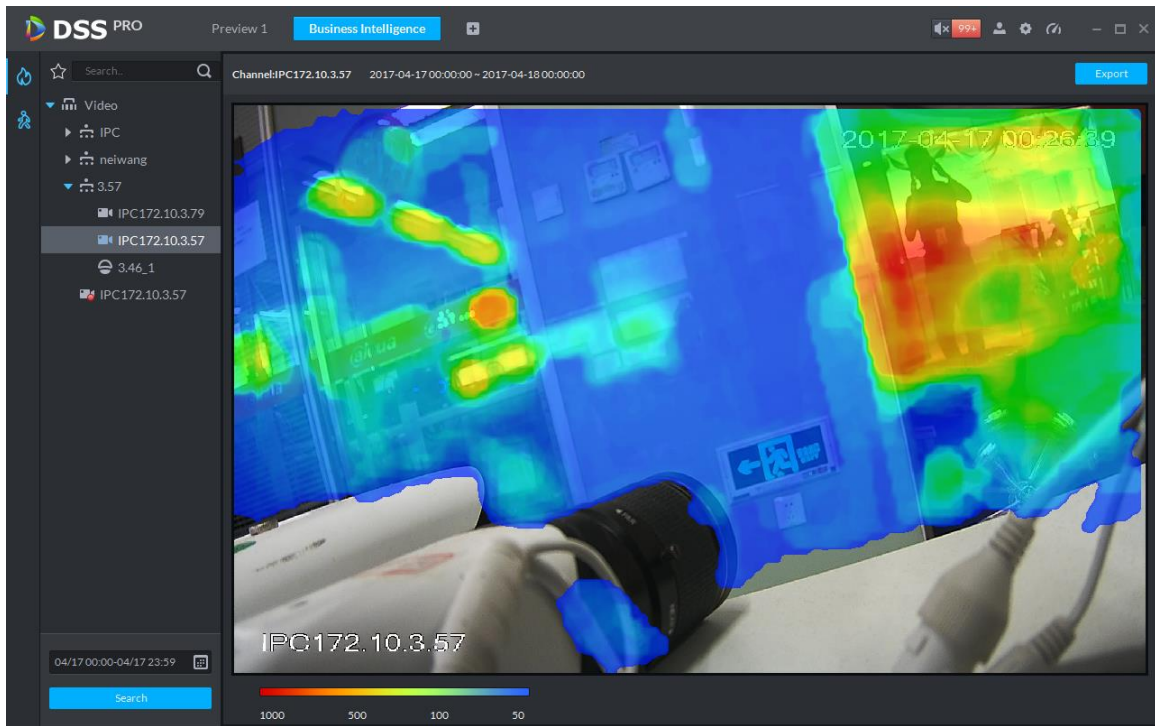
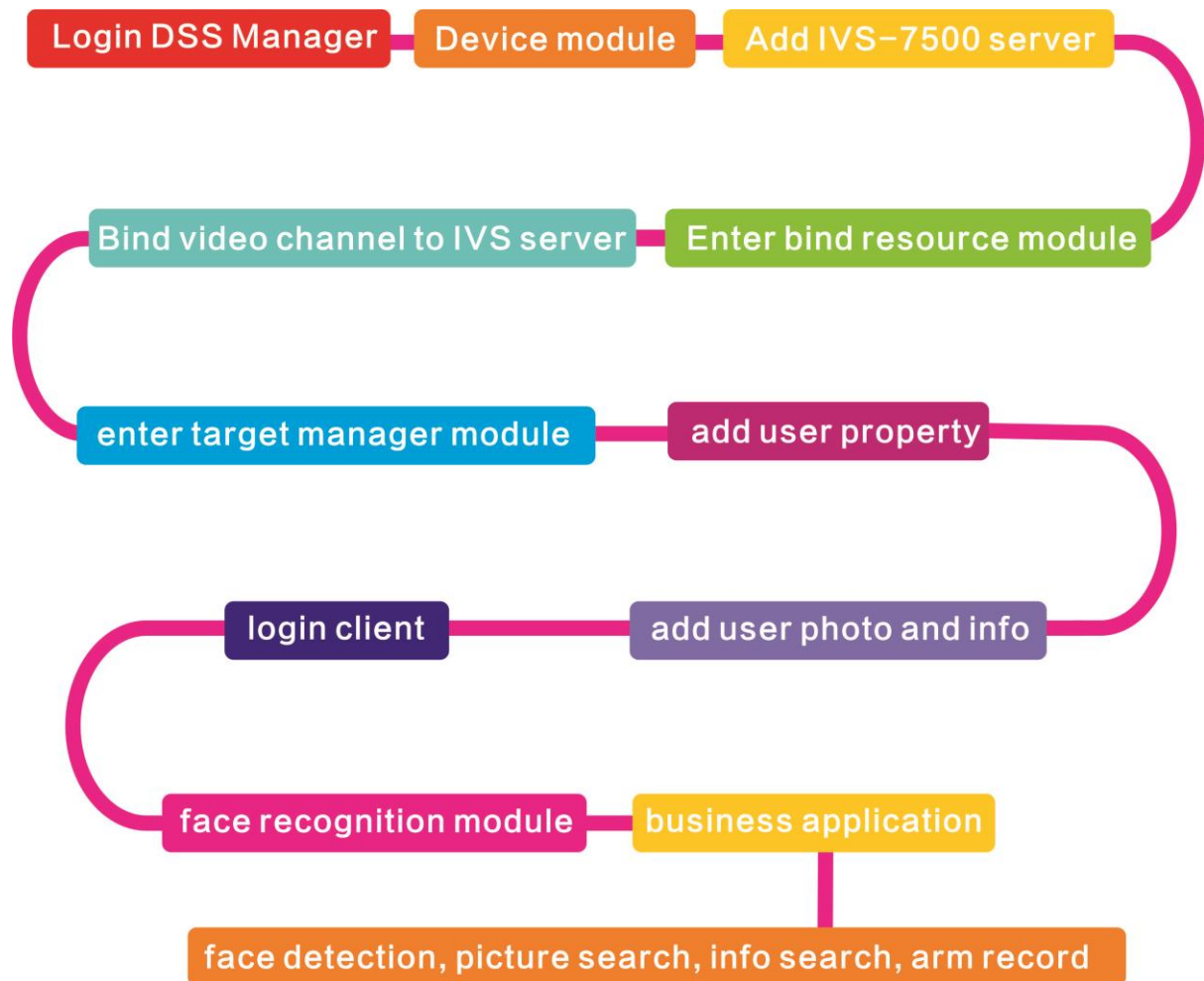


Figure 23-8

Click [Export](#) at the upper-right corner, you can export heat map in bmp format.


24 Face Recognition

24.1 Business Flow



24.2 Add IVS Server

DSS Professional V7.01 only supports IVS-7500 model of server for input.

Step 1. Log in DSS Manager, enter device management module, in Figure 24-1, click  Add to add IVS server.

The screenshot shows the DSS PRO web interface. At the top, there is a navigation bar with 'DSS PRO', 'Home', and a 'Device x' button. Below this is a toolbar with 'Add', 'Refresh', 'Initialize Device', and 'Change IP' buttons. A table displays a list of devices with columns: Init Status, IP Address, Type, Port, and MAC Address. Below the table, there is another toolbar with 'Add', 'Delete', and 'Reset Password' buttons, and a search bar. A second table below shows a detailed list of devices with columns: Device ID, IP Address, Device Name, Type, Org, Status, Offline Cause, and Operation. The 'Add' button in the second toolbar is highlighted with a red box.

Init Status	IP Address	Type	Port	MAC Address
initialized	172.10.1.119	NVR	37777	4c:11:bf:15:77:c8
initialized	172.10.1.123	IPC	37123	90:02:a9:42:fc:07
initialized	172.10.1.138	EVS	37777	4c:11:bf:57:99:96
initialized	172.10.1.139	EVS	37777	4c:11:bf:57:99:98

Device ID	IP Address	Device Name	Type	Org	Status	Offline Cause	Operation
1000515	10.18.135.170	POS-1	POS Box	root	Offline		⚙️ ✖️
1000520	10.18.135.170	supermarket	IPC	root	Online		⚙️ ✖️
1000519	10.18.135.170	gate-speed	DVR	root	Online		⚙️ ✖️
1000518	10.18.135.170	gate-ipc	DVR	root	Online		⚙️ ✖️
1000006	172.10.3.66	172.10.3.66	IPC	IPC	Online		⚙️ ✖️
1000004	172.10.2.120	1L00A79PAL00097	IPC	IPC	Online		⚙️ ✖️
		FOYAZ00041	IPC	IPC	Online		⚙️ ✖️

Figure 24-1

Step 2. In the figure, add device and select type to be “Intelligent Device”.

Add All ✕

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 24-2

Step 3. In the figure, enter IVS-7500 IP address, port, username and password. Select device organization and server, click **Add** button to enter device info input interface.

Add All ✕

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

Protocol:

Manufacturer:

Add Type:

Device Category:

IP Address:

Device Port:

User:

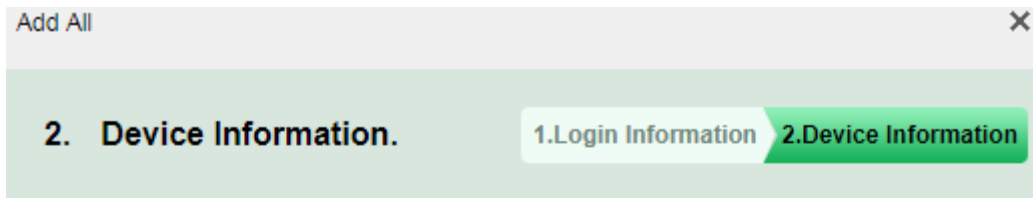
Password:

Org:

Video Server:

Figure 24-3

Step 4. In Figure 24-4, enter device name, select role for the device, click OK.



Device Name: * IVS-7500

Type: IVS-7500

Device SN:

Role: Administrator,Operator

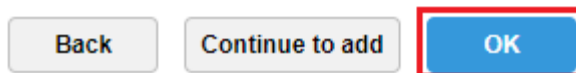


Figure 24-4

Step 5. IVS device is in Figure 24-5.

	Device ID	IP/Domain	Video Server	Device Name	Type	Org	Status	Offline Cause	Operation
<input type="checkbox"/>	1000032	172.10.1.232	Center Server	IVS-7500	IVS-7500	root	Online		

Figure 24-5

24.3 Bind Video Channel

Step 1. Log in DSS Manager, click to open new tab, in the figure select “Bind Resource” to

enter bind resource module.

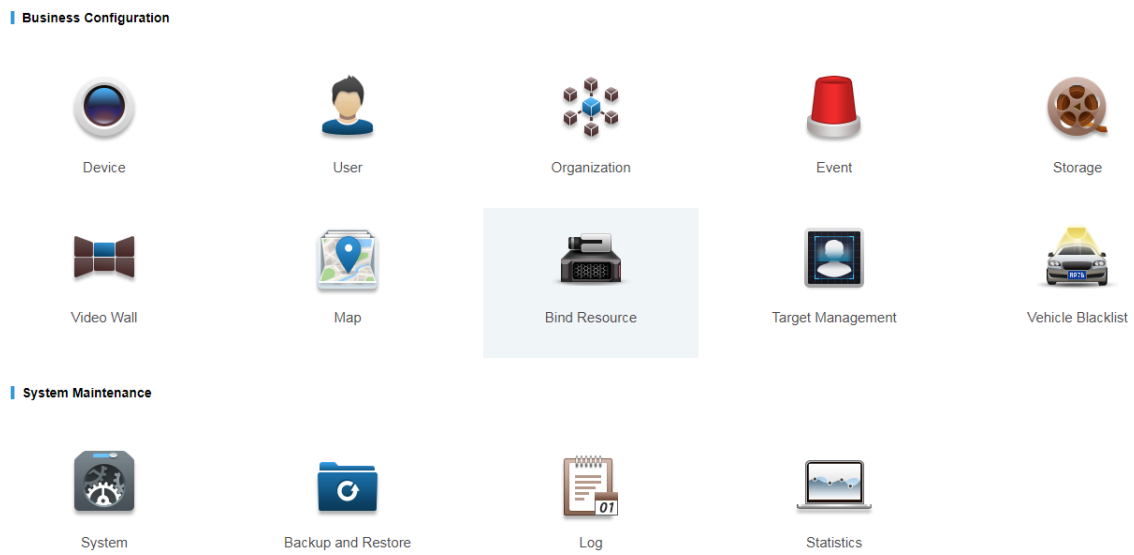



Figure 24-6

Step 2. Enter setting interface, click  **Setting** in this interface to set binding. See Figure 24-7.

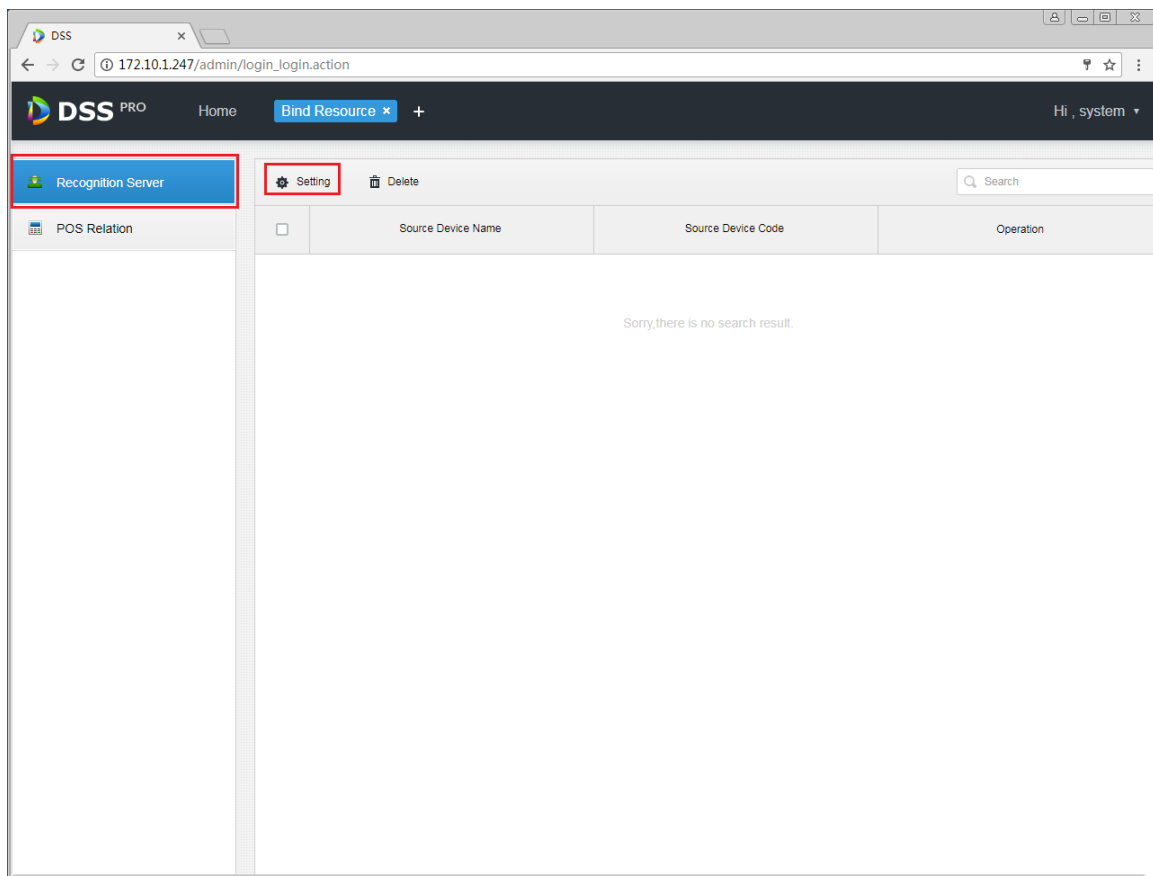


Figure 24-7

Step 3. In the figure, select IVS-7500 server and video channel to bind, click OK.

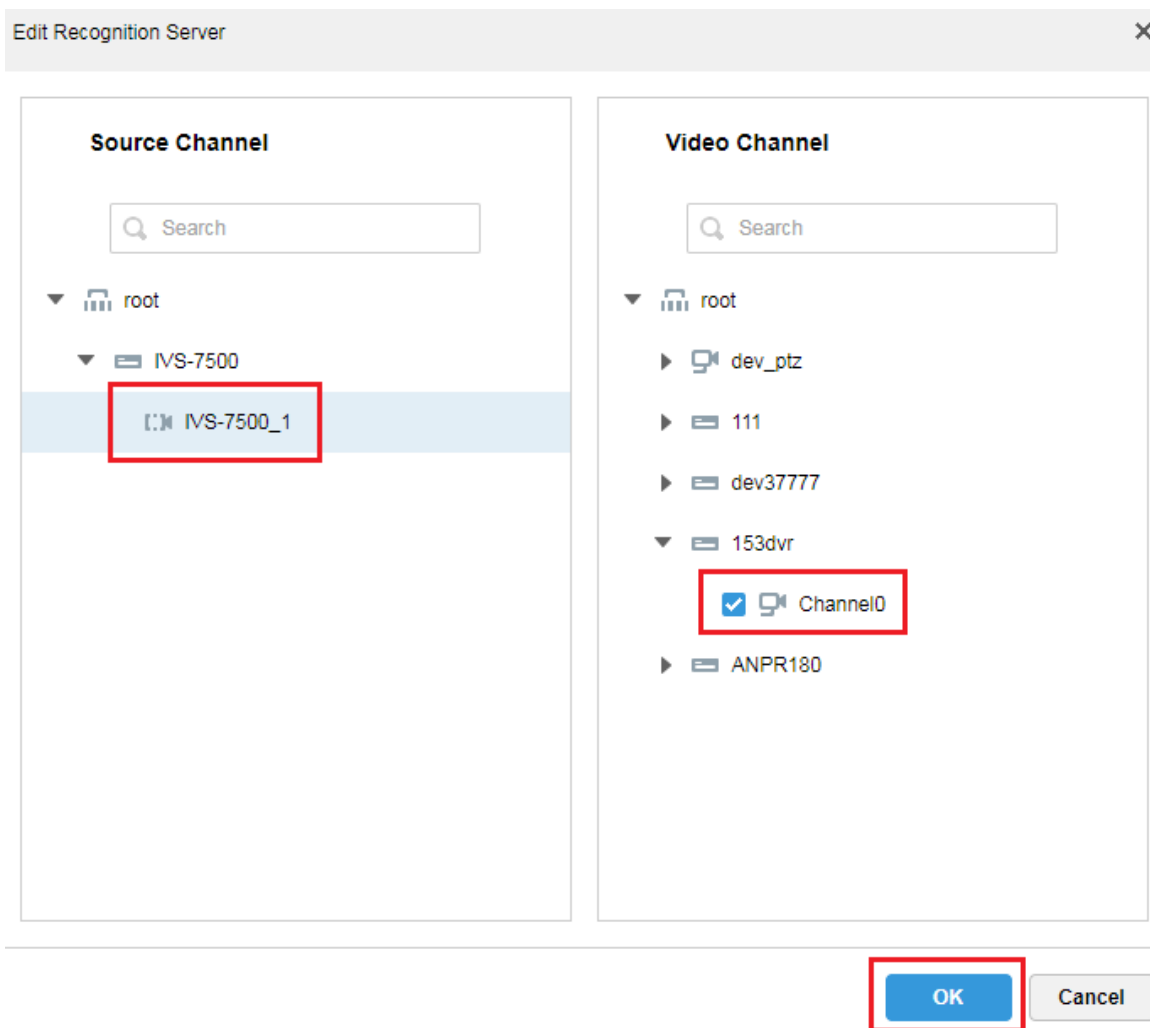


Figure 24-8

24.4 User Resource Management

There are two ways to create user info. If user picture and info exist, you can import user info as administrator. If user picture does not exist, you can add info of user snapshot by camera into user database.

24.4.1 User Type Management

Step 1. Login DSS Manager, click **+** to open new tab, see the figure and select “Target Management” to enter user resource management module.

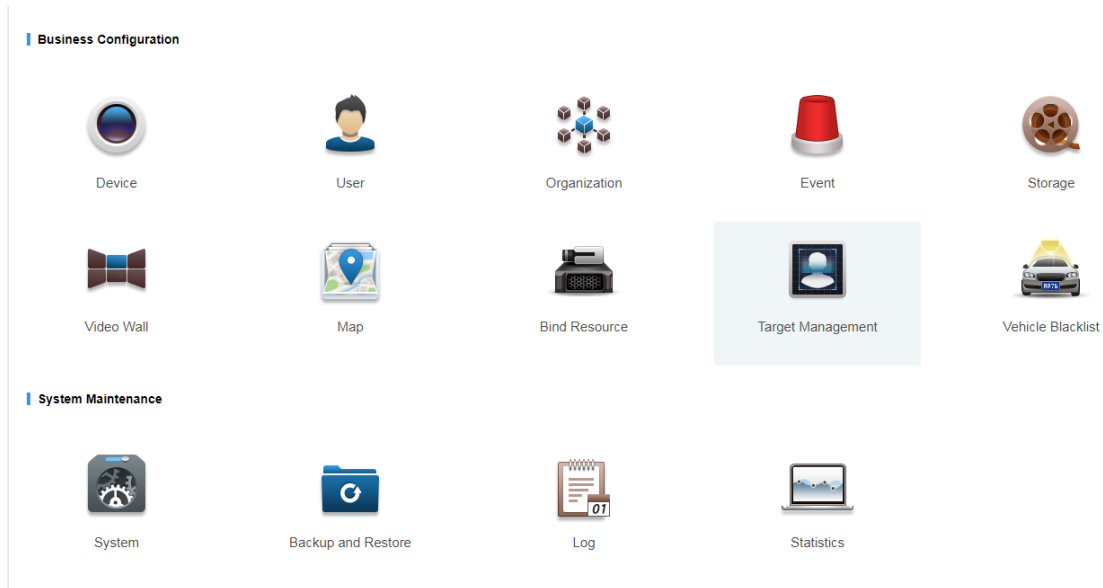


Figure 24-9

Step 2. Before you add user info, please create user type. In the figure, click **User Property Setup** button to enter setup interface.

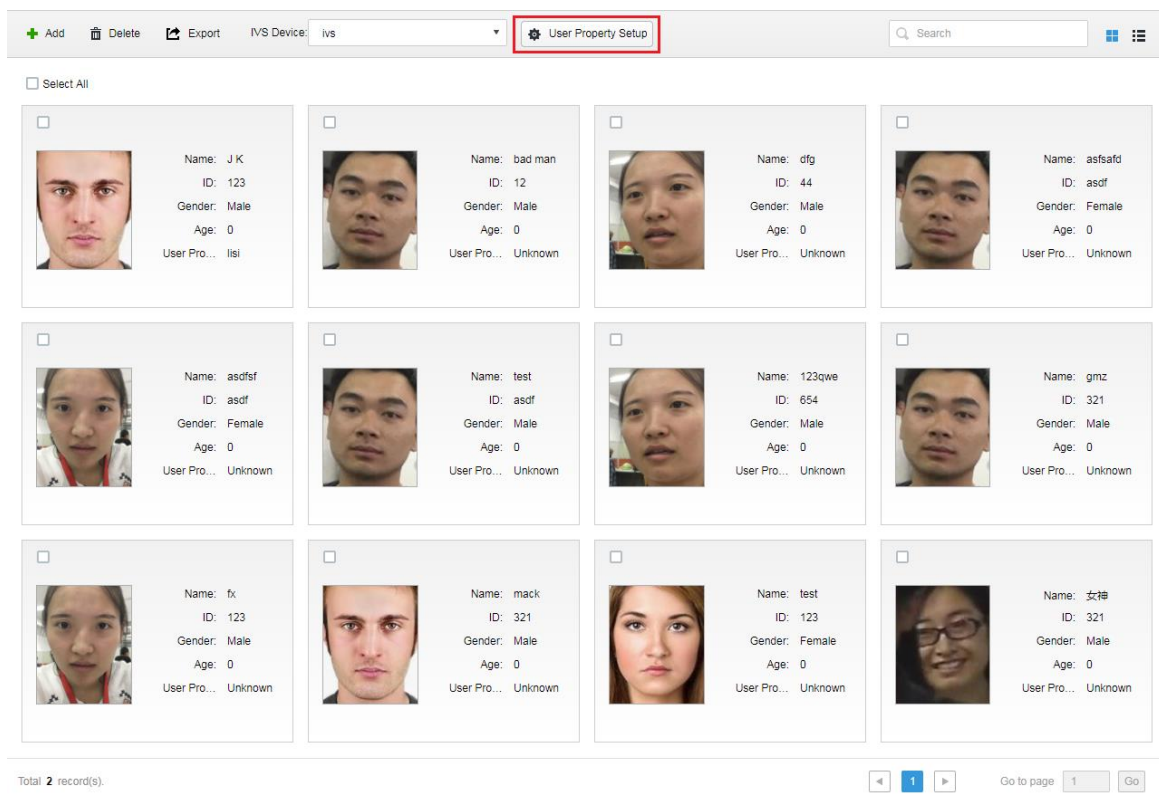


Figure 24-10

Step 3. In the figure click **+ Add** to enter add interface.

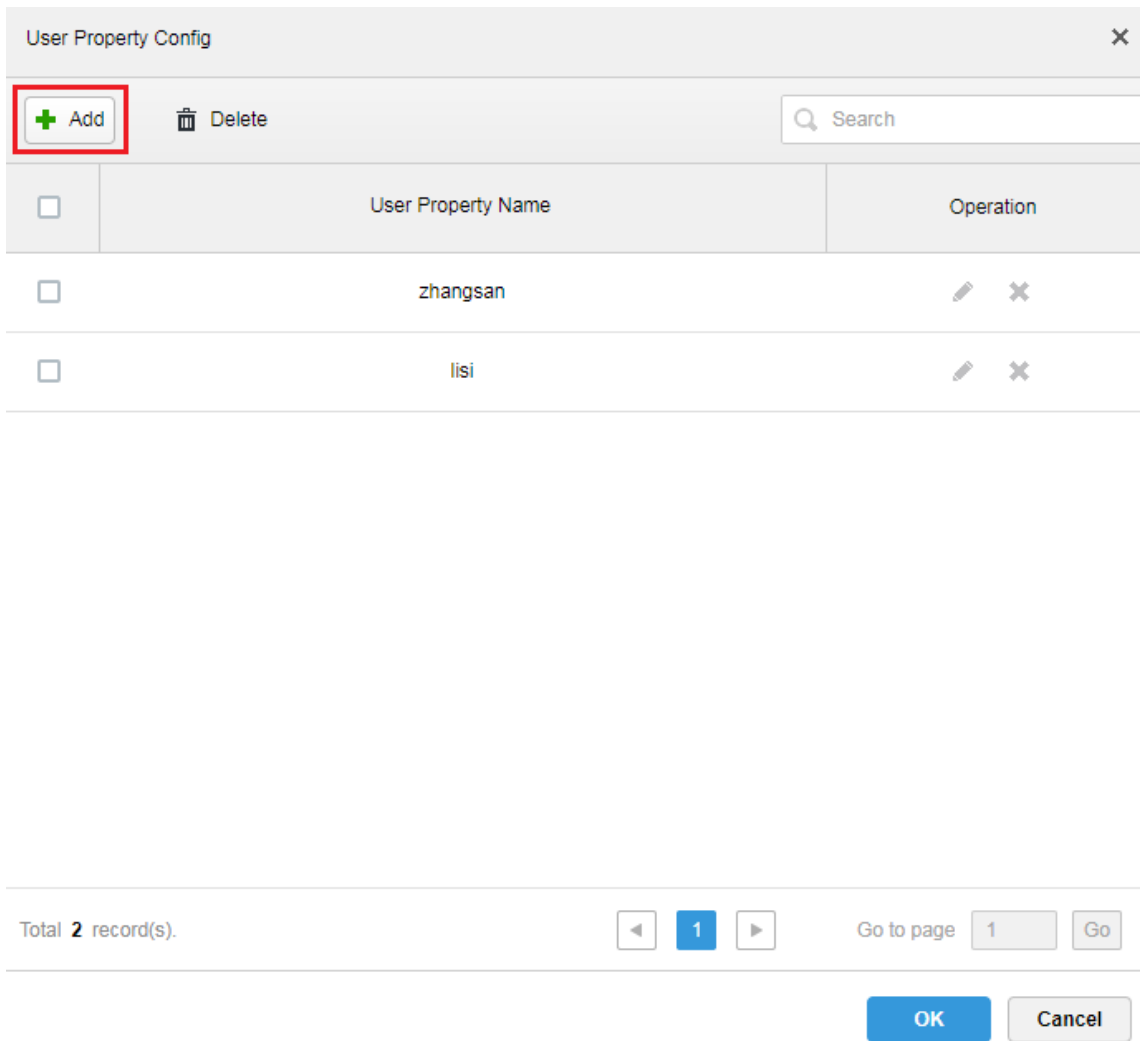


Figure 24-11

Step 4. In add interface, enter user property name, click OK.

Step 5. Click button to enter edit interface for existing user, click button to delete this type.

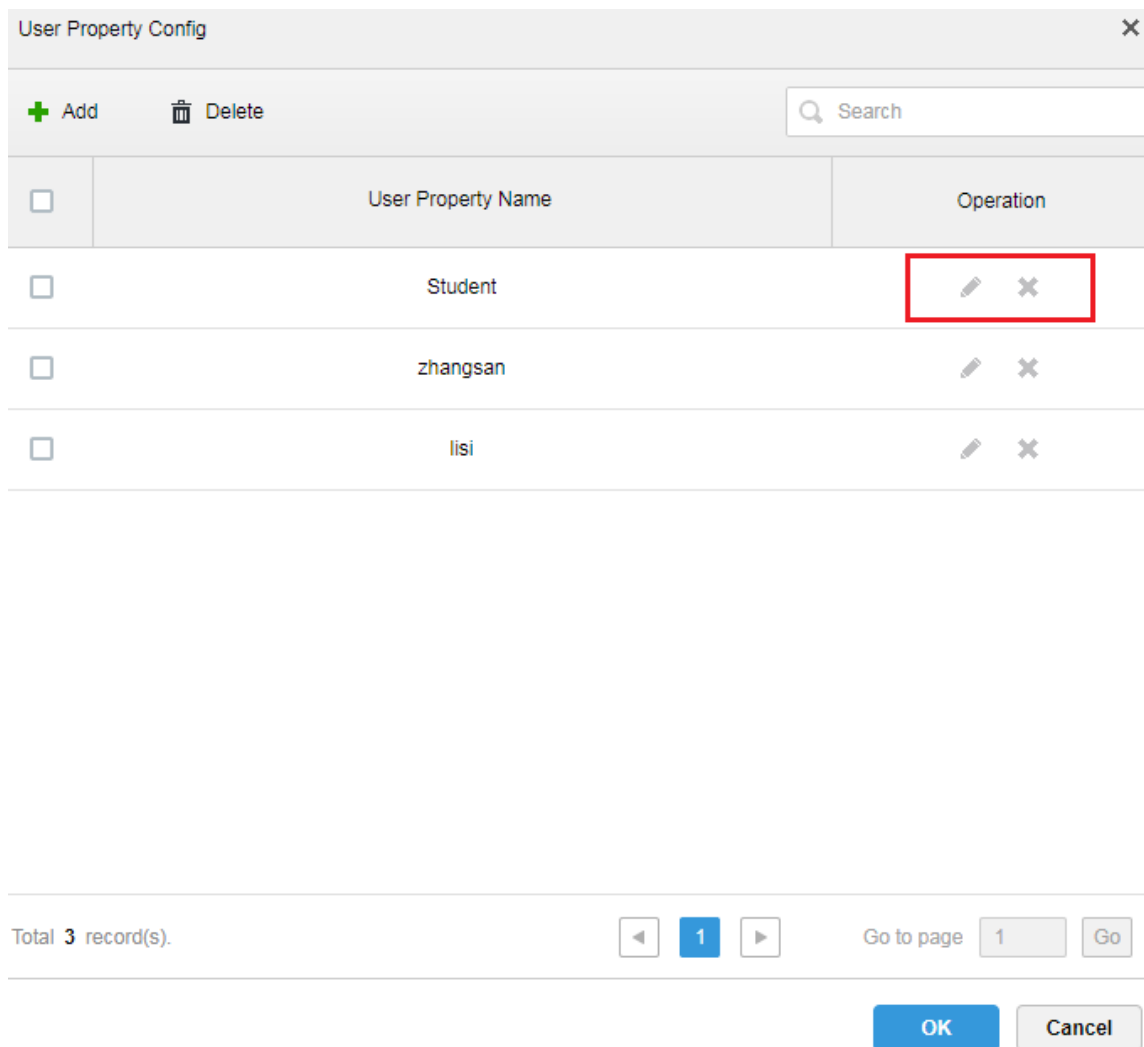



Figure 24-12

24.4.2 Add User-Manager

Step 1. Log in DSS Manager, click  to open new tab, and in the figure select “Target Management”, to enter user resource management module.

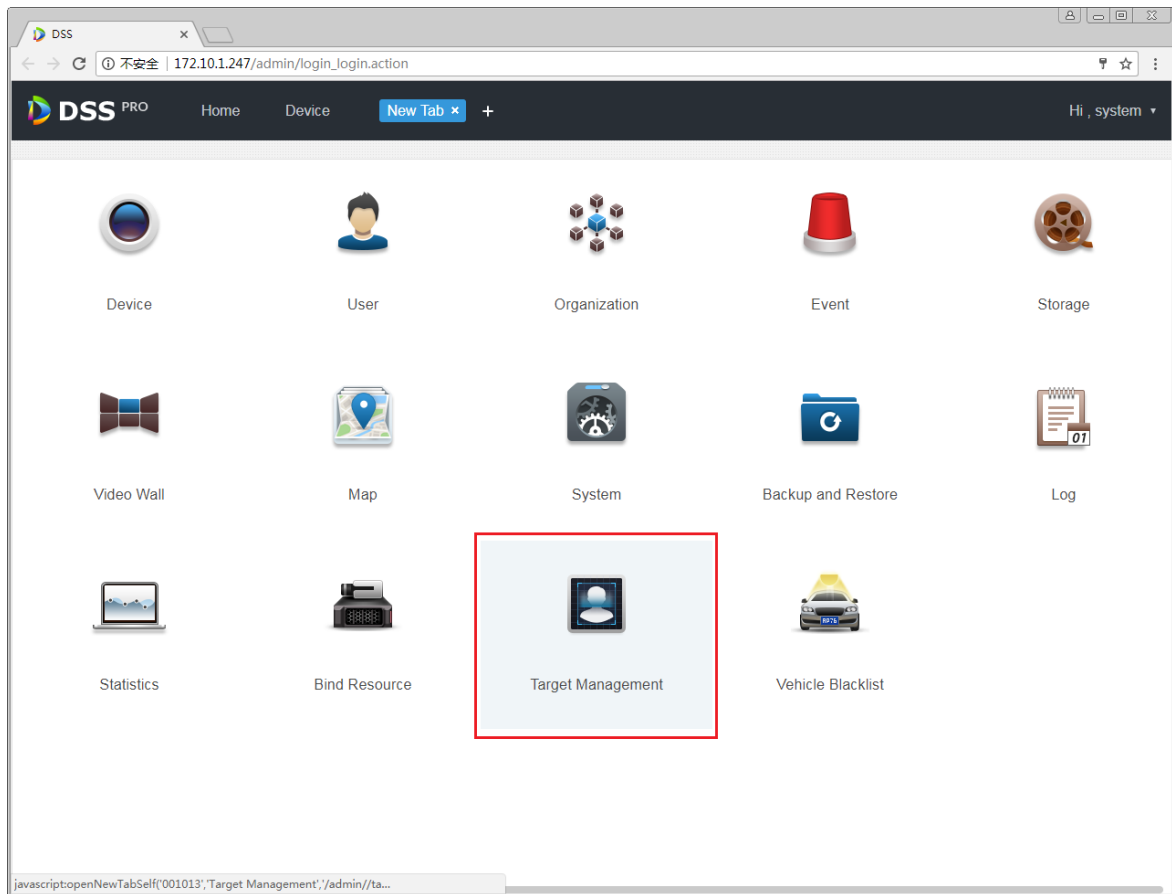


Figure 24-13

Step 2. Enter target management interface, see figure below, click **+ Add** button to enter add user interface. See Figure 24-14.

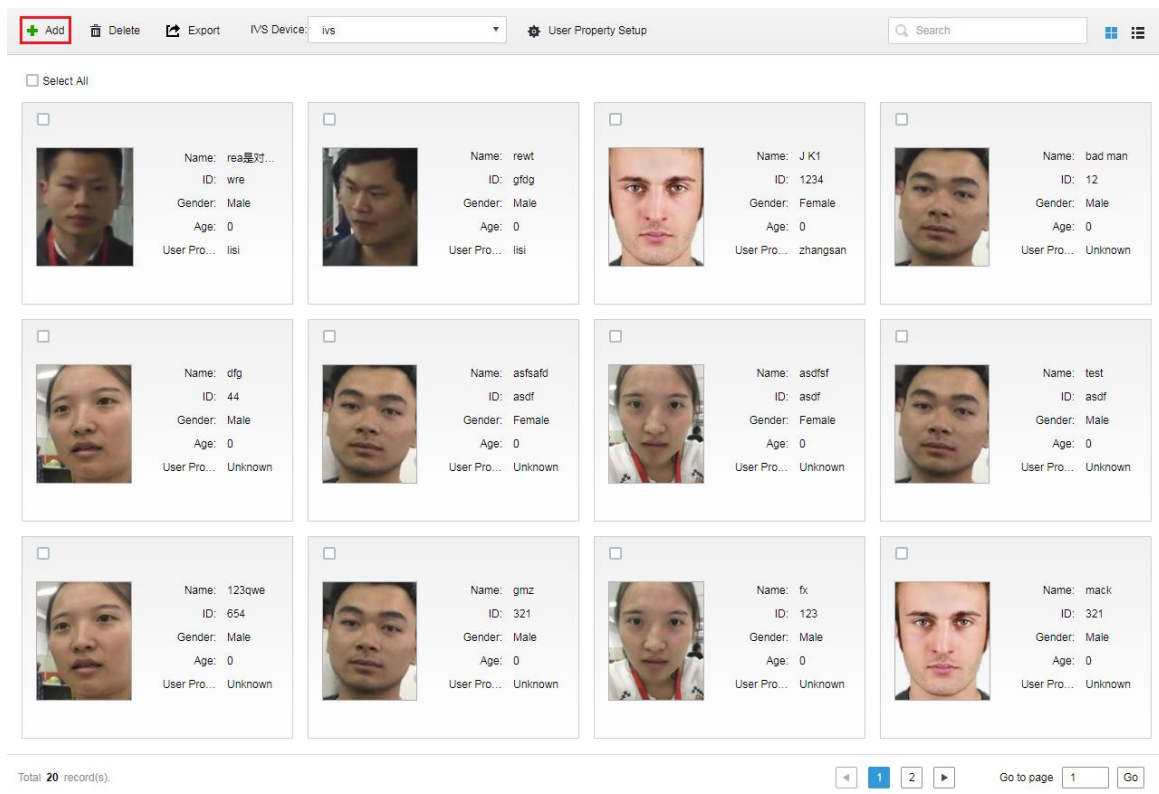


Figure 24-14

Step 3. Enter add user interface, see figure below, click **Upload Image** button to upload user image, and fill in user name, ID, select gender and DOB. Click OK.

1 Upload Image

2 Name: *

3 ID: *

4 Gender: Male Female

5 DOB:

6 User Property: lisi

7 OK Cancel

Figure 24-15

Note:

Requirement of user image:

- Front image.
- Width ≤ 1000 px, height ≤ 1000 px.
- Image format in jpg.

24.4.3 Add User Info-Client

Step 1. Log in DSS Client, click face recognition module, see Figure 24-16.

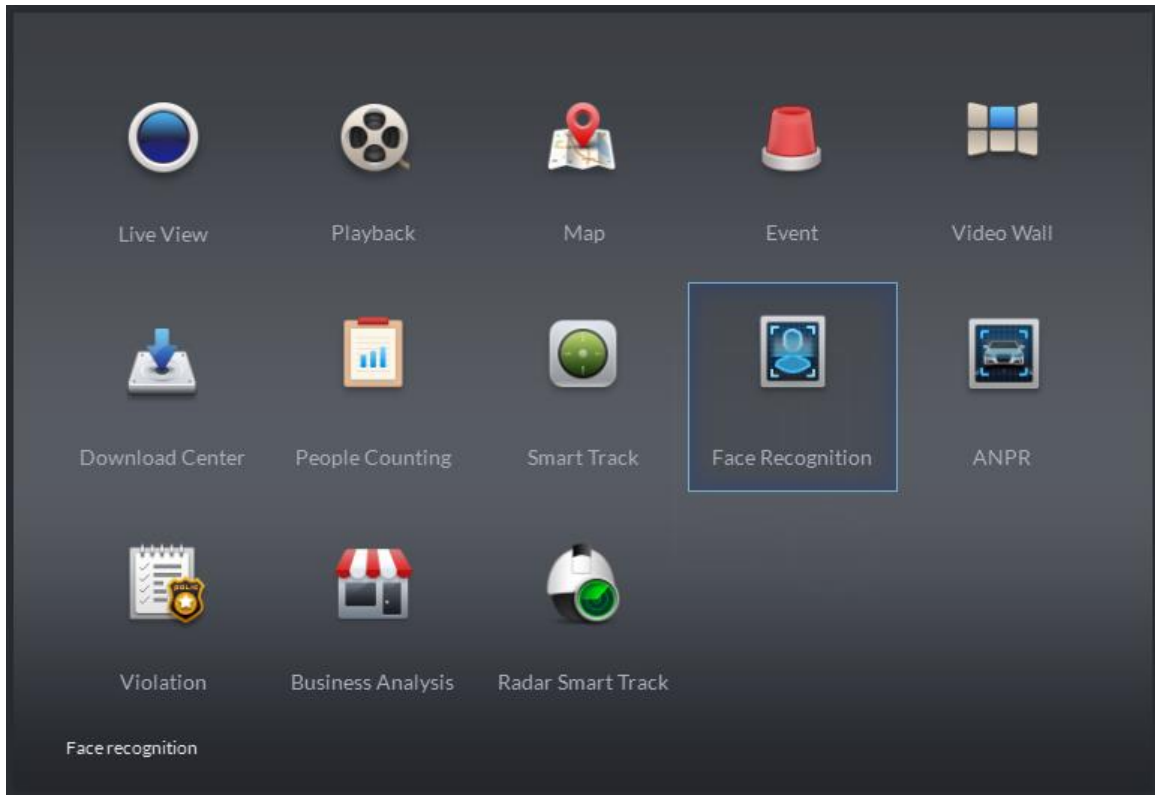


Figure 24-16

Step 2. Open corresponding IVS channel video, and detected user image will be shown below. See Figure 24-17, user with a red box exists in user database.

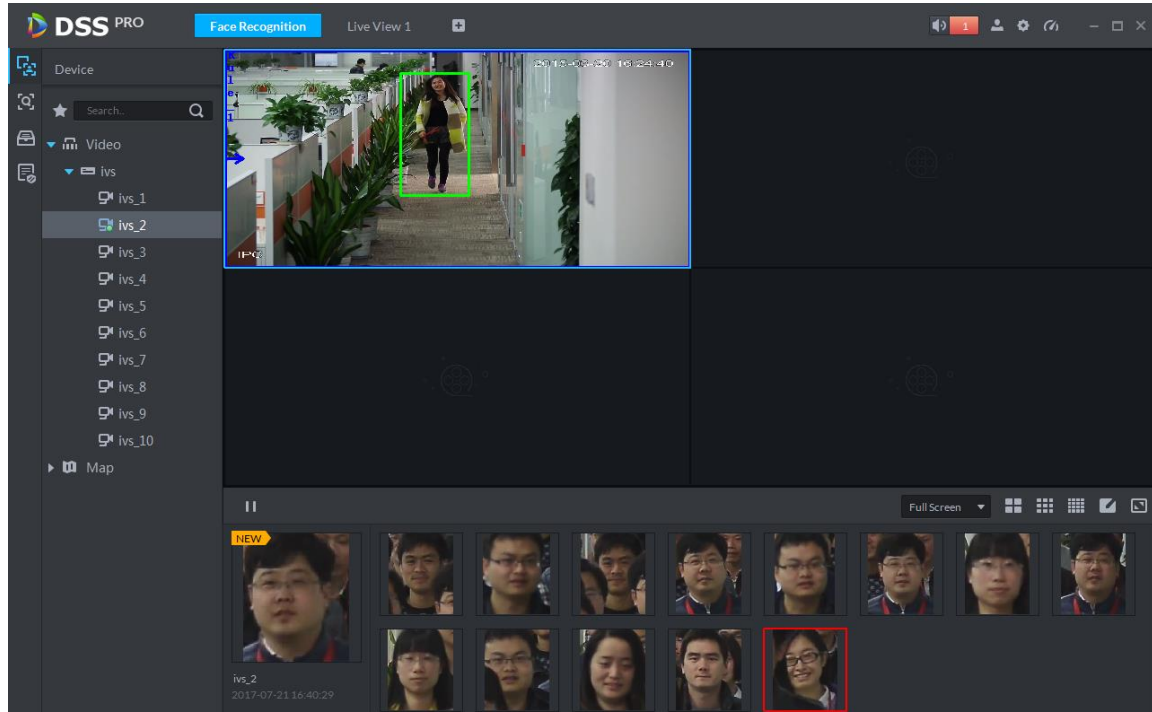


Figure 24-17

Step 3. Double click image in scroll bar, enter corresponding info, click **Register** button to add user into user database.

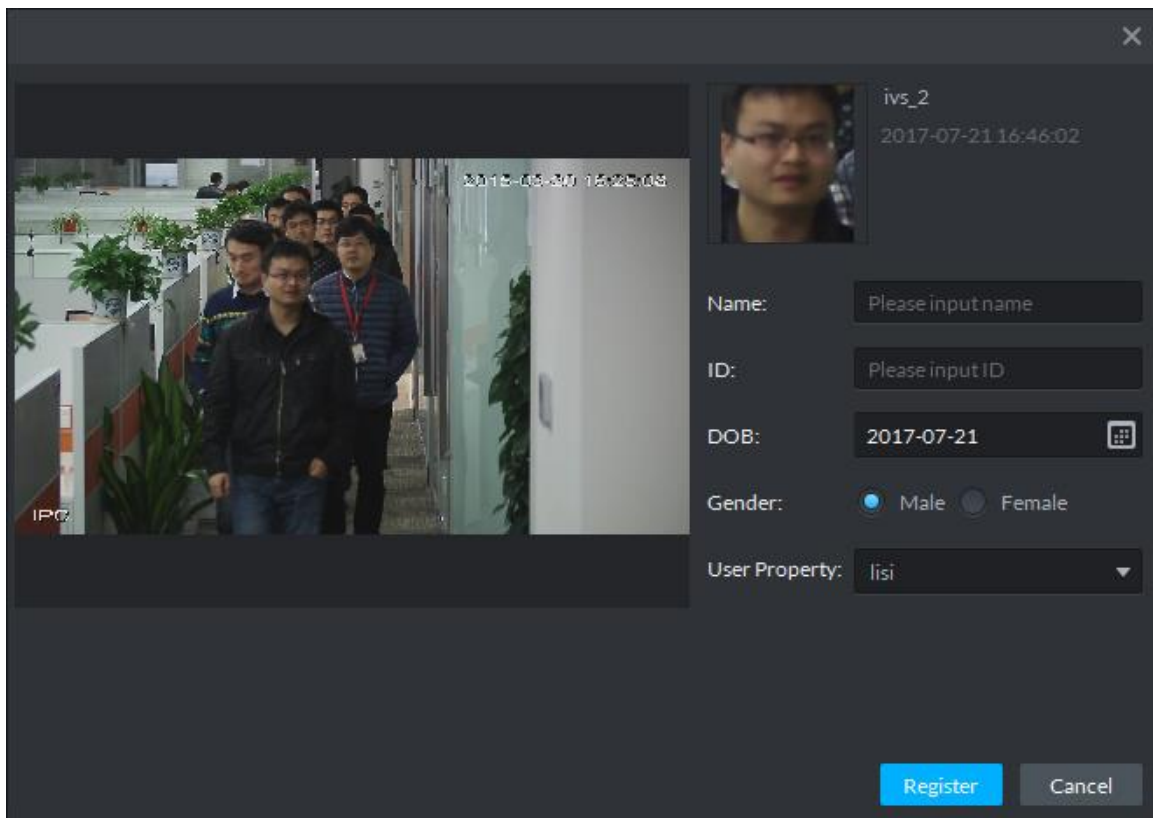


Figure 24-18


24.5 Client Application

24.5.1 Face Recognition

Step 1. Log in DSS Client and open new tab, click “Face Recognition” module to enter ANPR application, see Figure 24-19.



Figure 24-19

Step 2. Enter face recognition module, select  to enter face recognition application, double click to open or drag IVS channel to video window. In scroll bar, it will show face image detected, see Figure 24-20. A red box means successful pairing with user database.

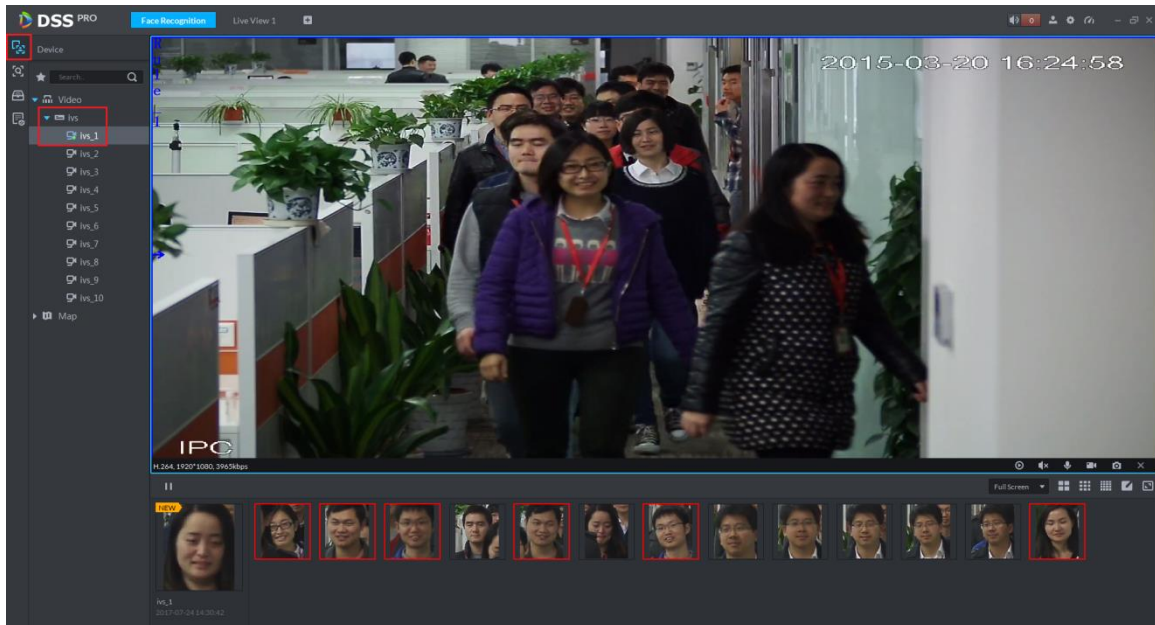




Figure 24-20

Step 3. In scroll bar, click  button to pause picture refresh, click  button to restore refresh.

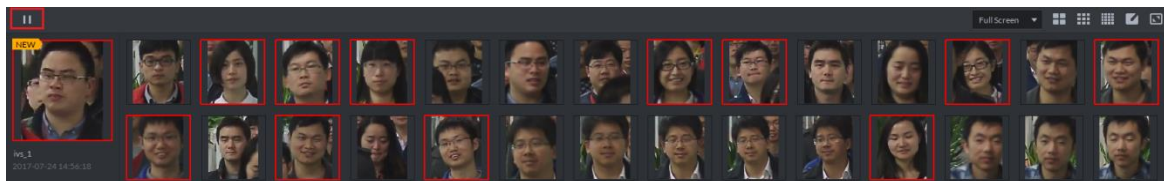


Figure 24-21

Step 4. Place mouse on image with red box, you can see similarity, see Figure 24-22.



Figure 24-22

Step 5. Double click red box to see detail of snapshot, see Figure 24-23.

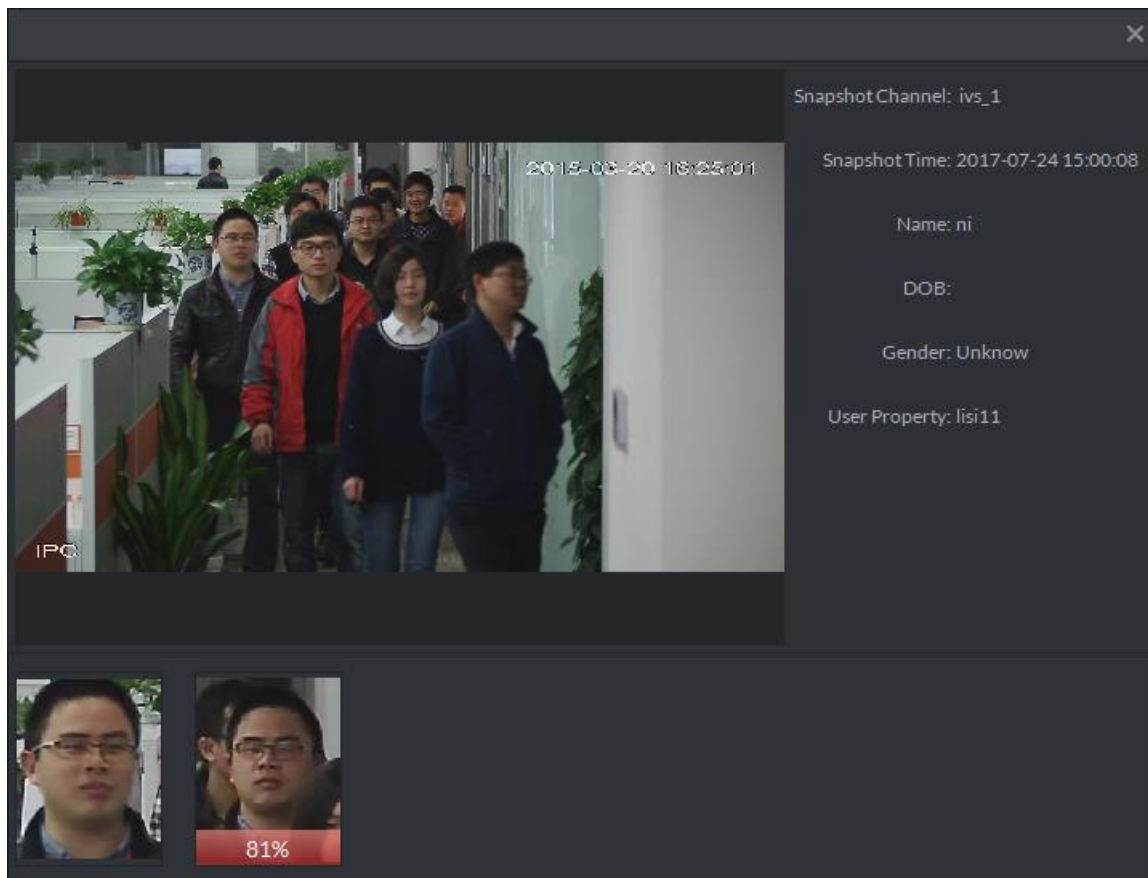


Figure 24-23

Step 6. Double click image without red box, fill in user info, see Figure 24-24. Click “Register” button to add the user into user database.

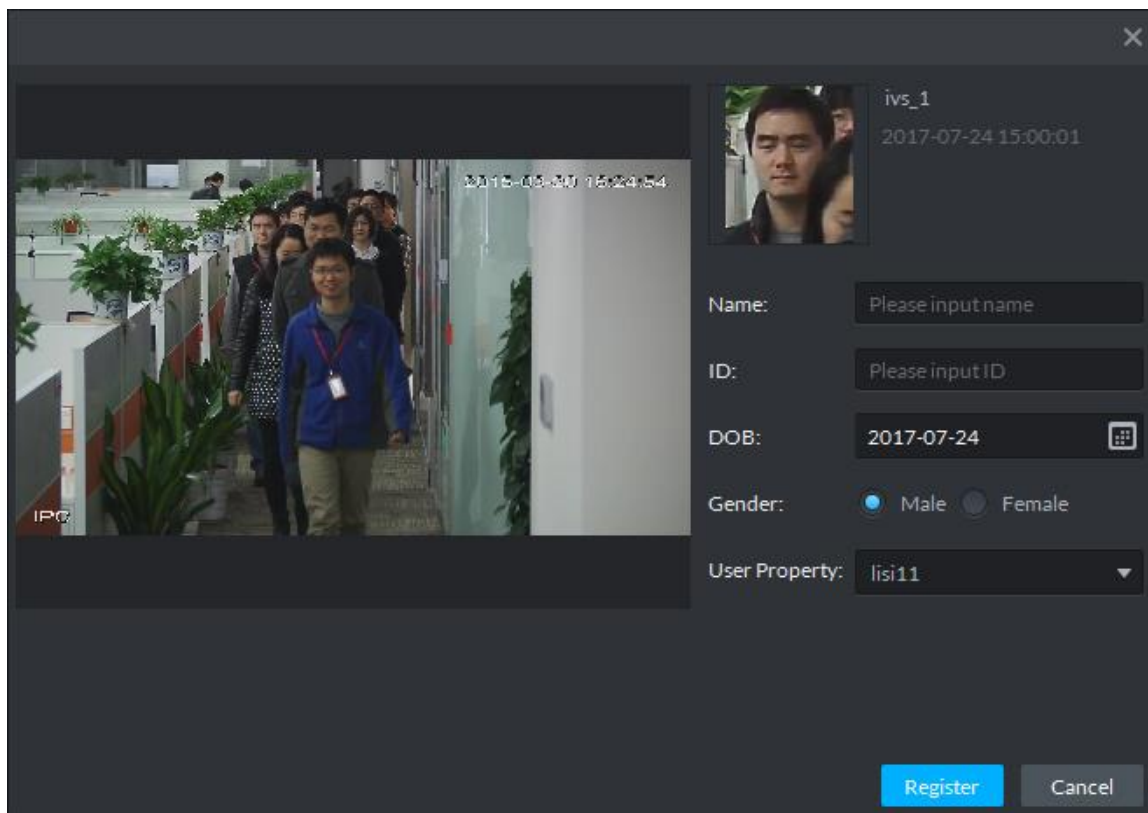

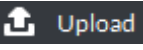
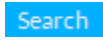


Figure 24-24

24.5.2 Snapshot Search

Step 1. Enter face recognition module, select  icon to enter snapshot search app. First select IVS device and channel (multiple choices), and then click  button to upload user snapshot you want to search. In read face snapshot, select face you want to search, drag your selected similarity and select period for search, click .

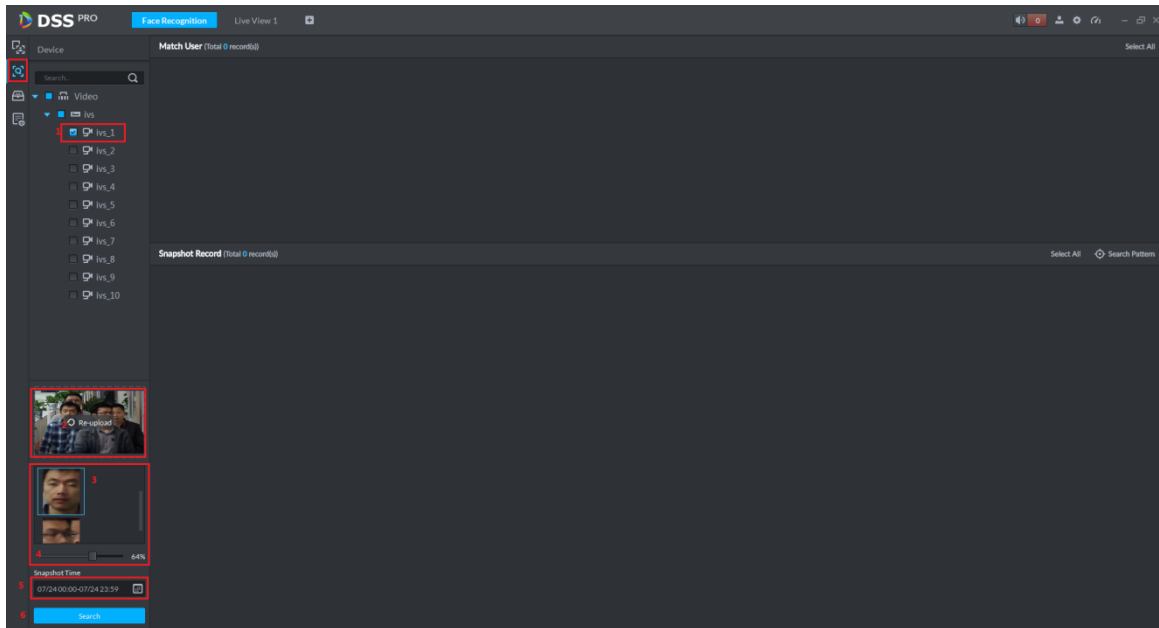


Figure 24-25

Step 2. See Figure 24-26, in Match User it shows matched record from user database. In Snapshot Record, you can see all matched records detected in the IVS channel.

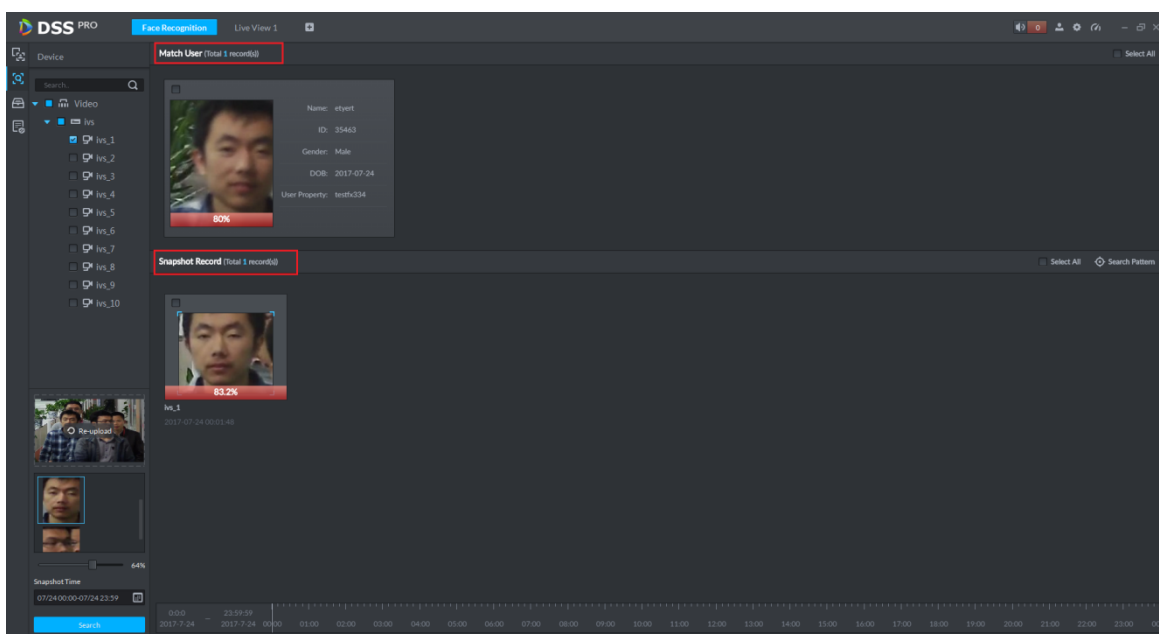


Figure 24-26

Step 3. In Snapshot Record, select picture, click  button to view user pattern.

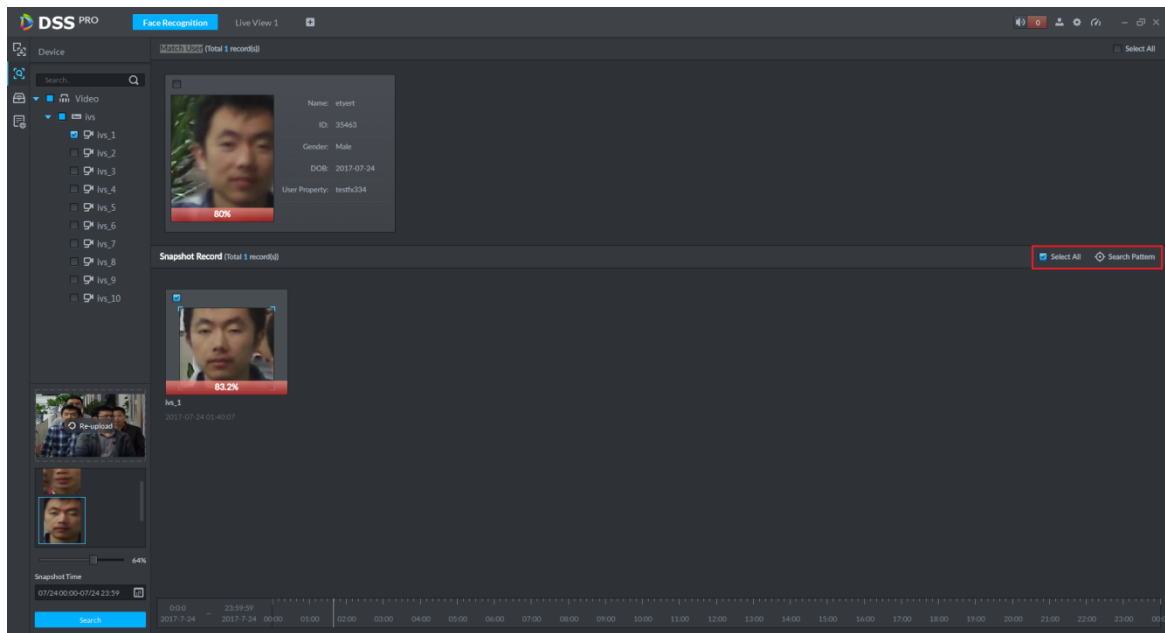


Figure 24-27

Step 4. See user pattern, See Figure 24-28

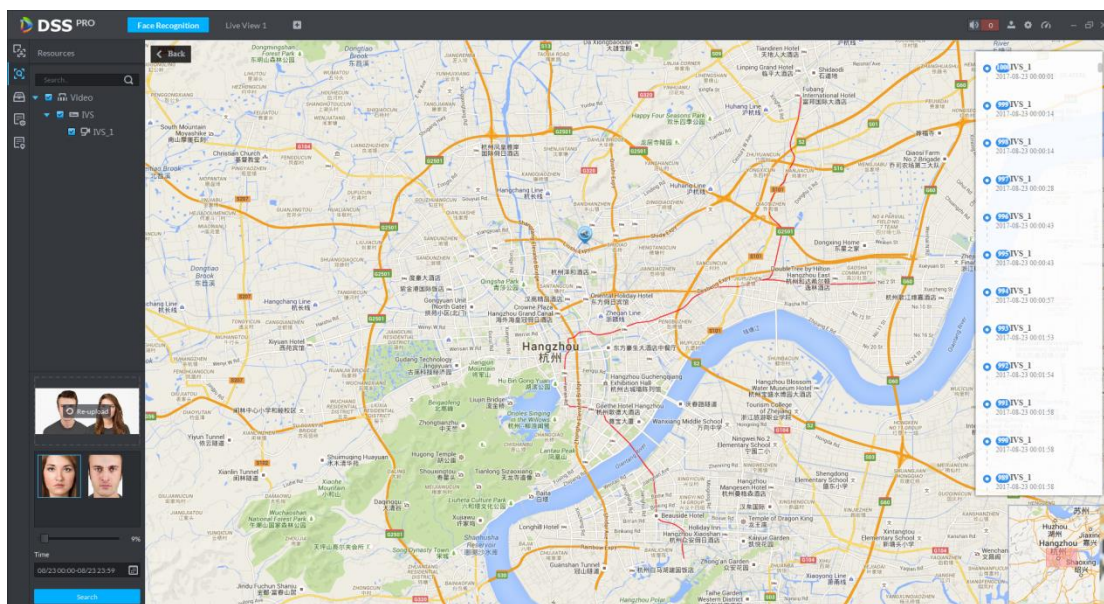




Figure 24-28

24.5.3 Info Search

Step 1. Enter face recognition module, select  mark to enter snapshot search app, see Figure 24-29 and select IVS device and channel (select one only), and select search period, user type, name, ID, gender and etc. Click  button to search.

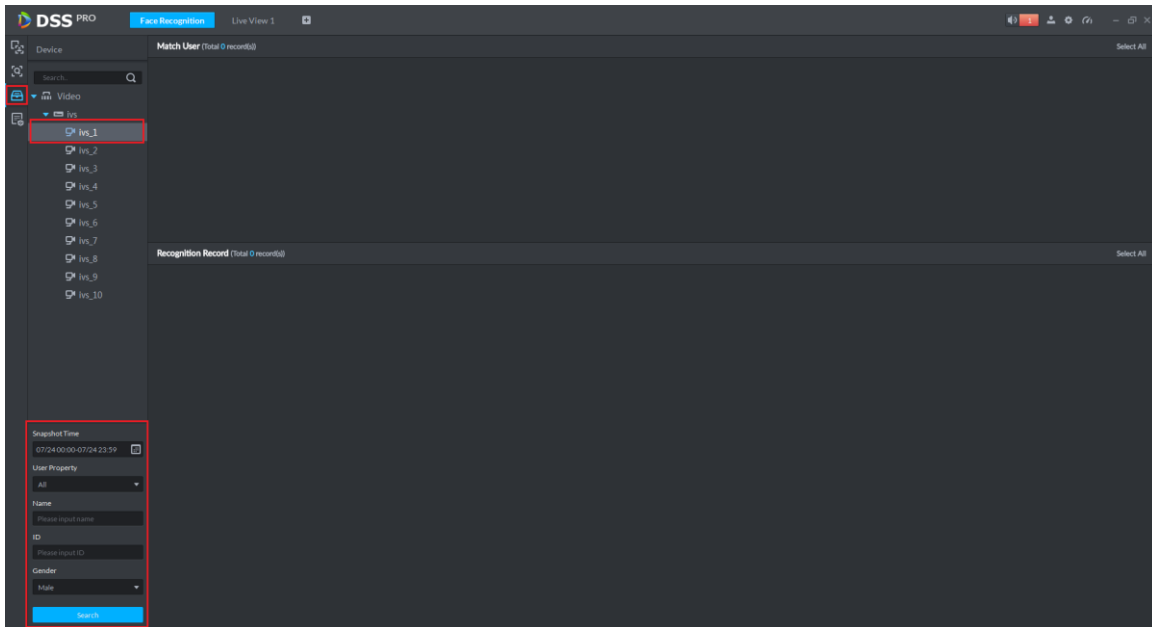


Figure 24-29

Step 2. Search result is in Figure 24-30. Match User shows match result by user type, name, ID, gender and etc. Recognition Record shows result of comparison between IVS channel snapshot record and user database.

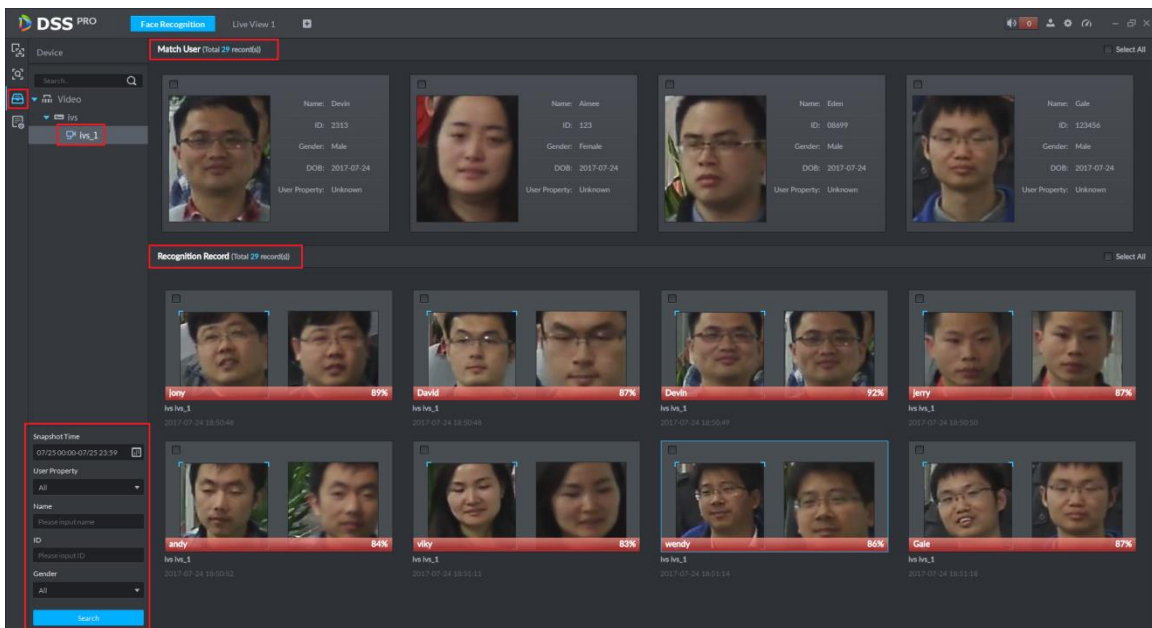


Figure 24-30


Step 3. Double click any one result in Recognition Record and you can see details of this recognition, as well as detailed scene of user, see Figure 24-31.



Figure 24-31

24.5.4 Arm Record

Arm record shows all detection records of existing user in user database by an IVS channel.

Step 1. Enter face recognition module, see Figure 24-32. Select  icon to enter picture search app, select period to search, click **Search** button.

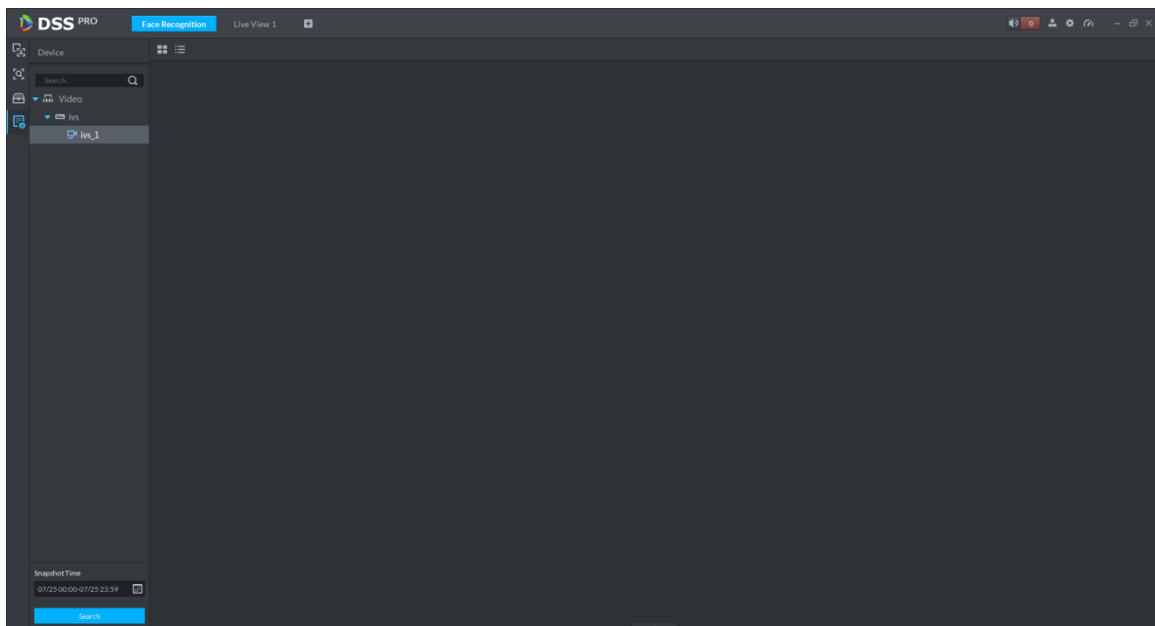


Figure 24-32

Step 2. See Figure 24-33, click **Statistics** button to search total record quantity.

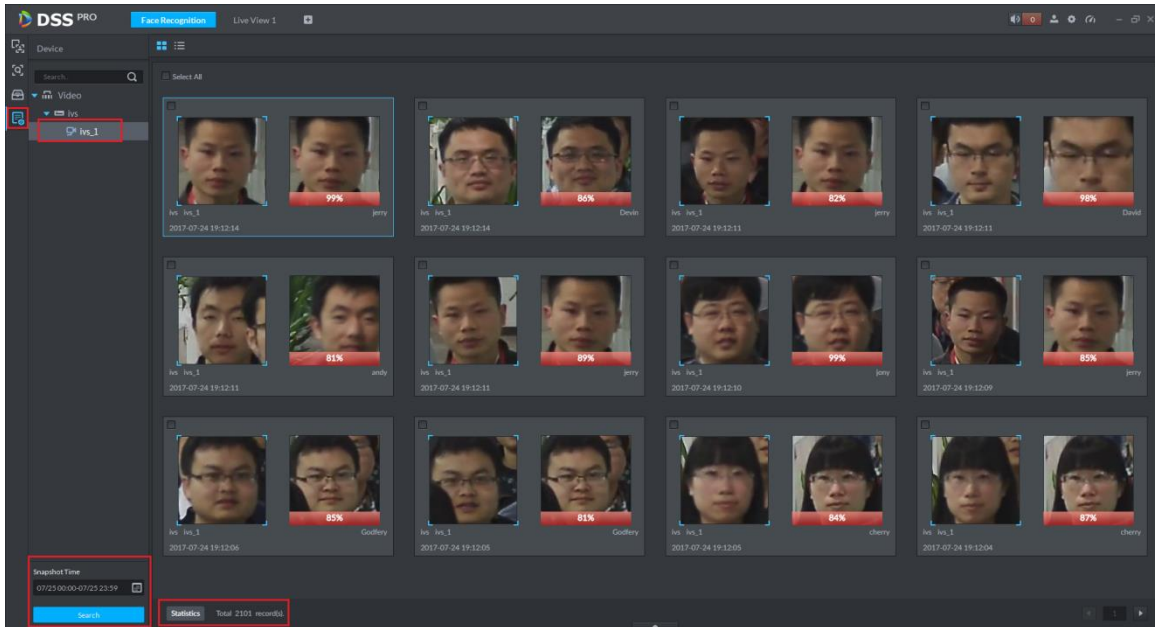


Figure 24-33

Step 3. Double click any one record to view details, see Figure 24-34, click **Previous One** or **Next One** button to view previous or next record.

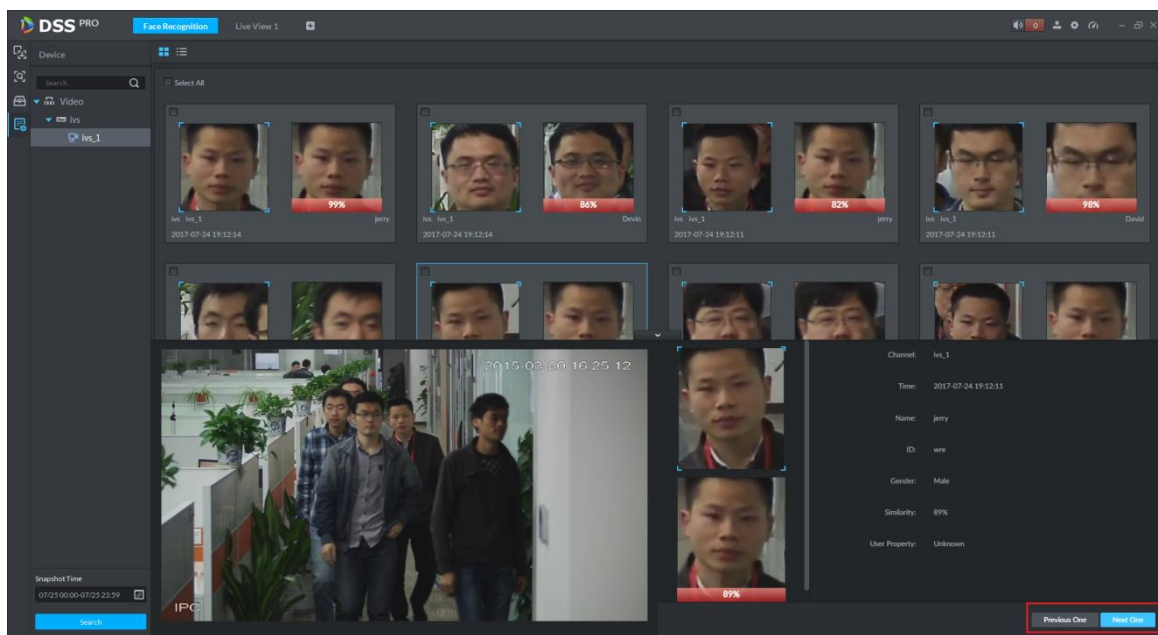



Figure 24-34

25 Smart Track

DSS Client supports smart track which links fisheye speed dome to general speed dome to better control each monitoring point.

Note:

Before operating smart track, you must go to Device manager to add fisheye device (after device is added, click , and select fisheye and general speed dome. See Ch 7.2.

25.1 Flow

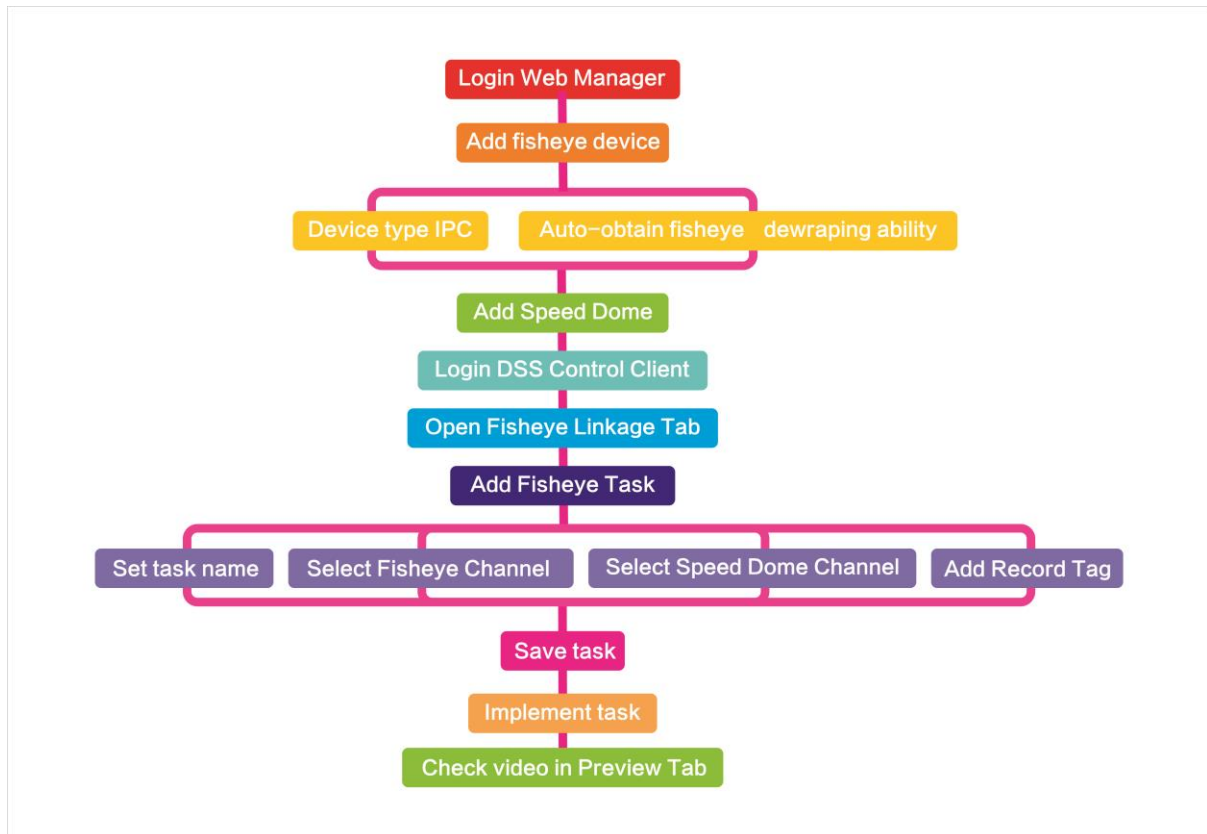


Figure 25-1

25.2 Add Monitor Task

Step 1. Click  next to Preview, select smart track.

Step 2. Click . See Figure 25-2.

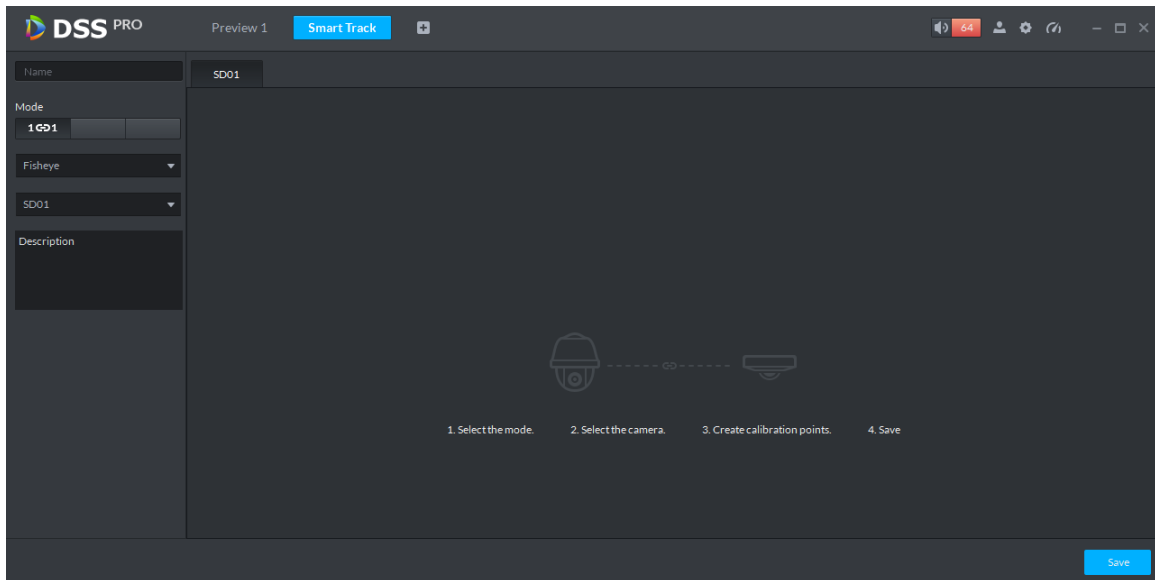


Figure 25-2

Step 3. Set monitor point name, select fisheye name and speed dome name, see Figure 25-3.

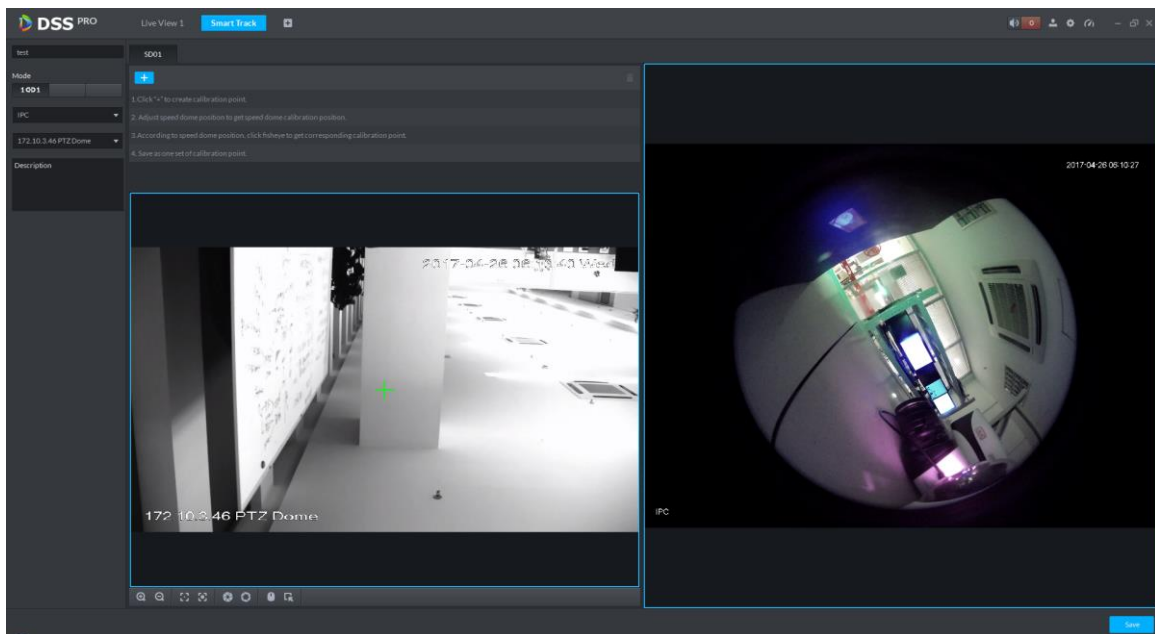





Figure 25-3

Step 4. Click , on the right move  to select one point. On general speed dome on the left, click  to rotate speed dome to find this point. Adjust PTZ to move to center position (green cross in window), see Figure 25-4.

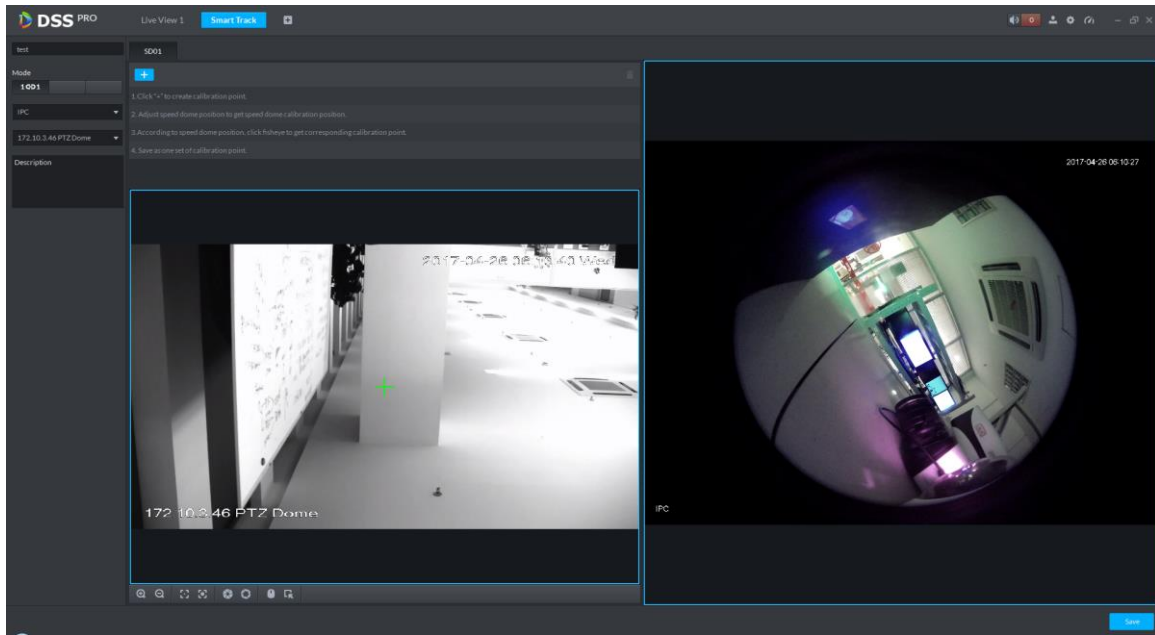




Figure 25-4

Note:

- Select 3-8 mark points on fisheye speed dome.
- When you find mark point on the left side of general speed dome, click  to zoom out PTZ.
- Click  to 3D position, and when you click a certain point on the left side of speed dome, it will auto move to the center.

Step 5. Click  to marked point.

Step 6. Follow Step 4. -5 to add at least three mark which shall not be on a same straight line.
See

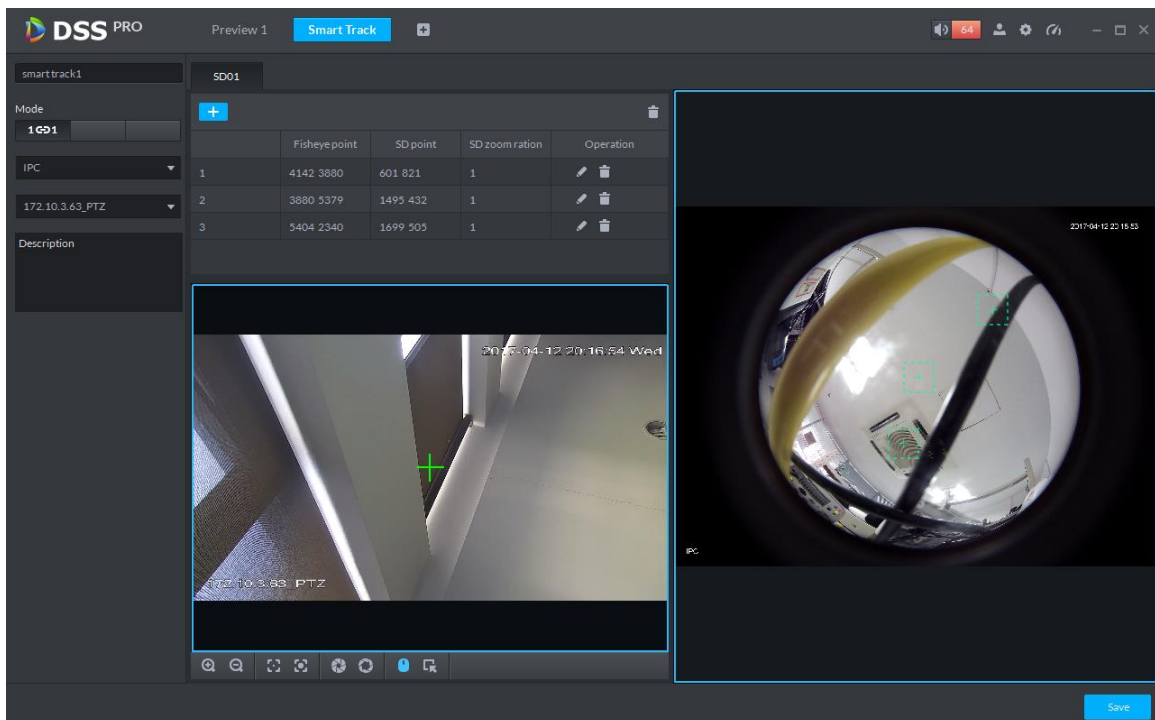


Figure 25-5

Step 7. Click Save, see Figure 25-6.

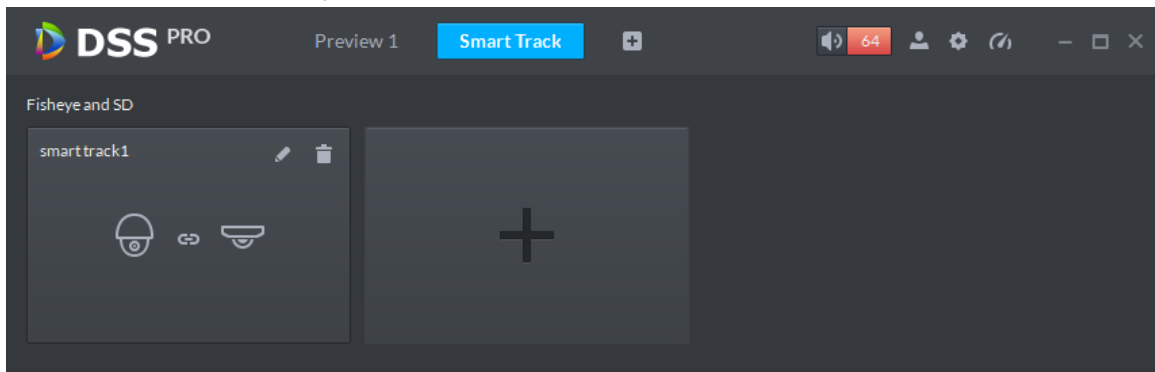


Figure 25-6

25.3 Execution of Fisheye Monitor Task

Step 1. Double click complete monitor task box, enter Preview interface, see Figure 25-7.

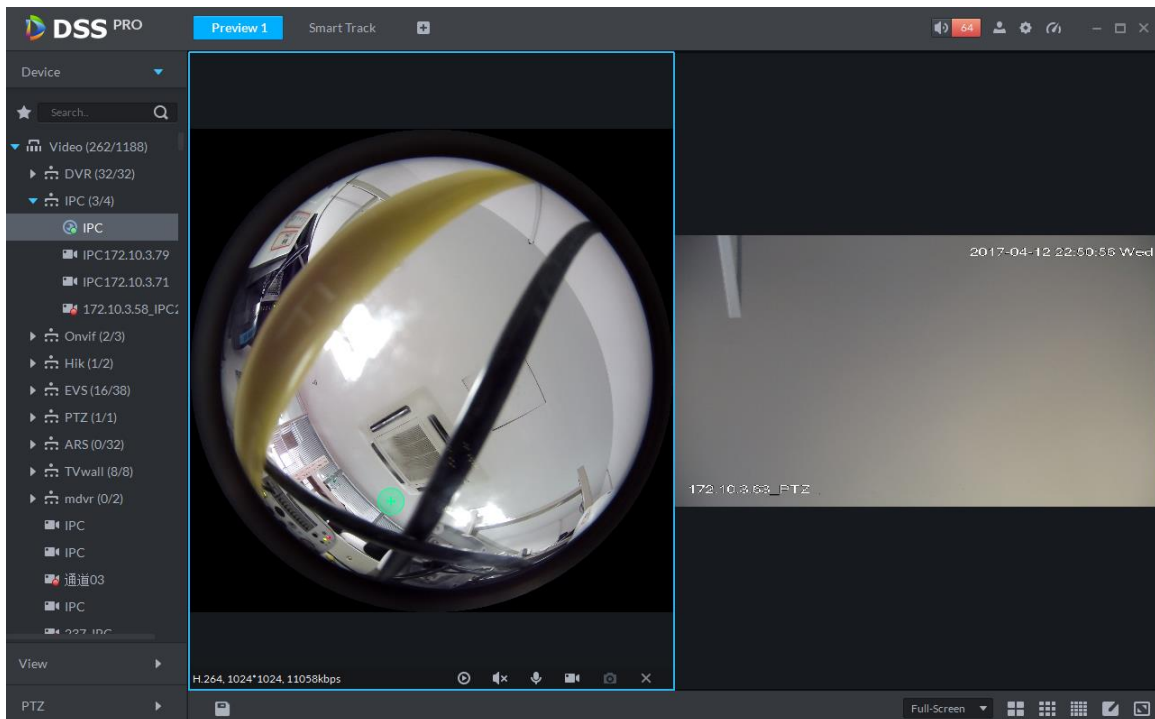



Figure 25-7

Step 2. Click any point on the left of fisheye, general speed dome on the right will auto link to corresponding position.

Step 3. Click , pop up Save the View box, see Figure 25-8.

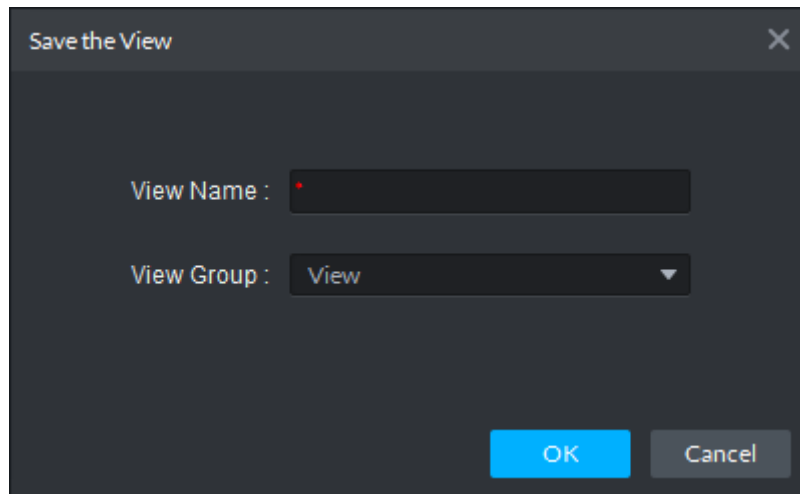
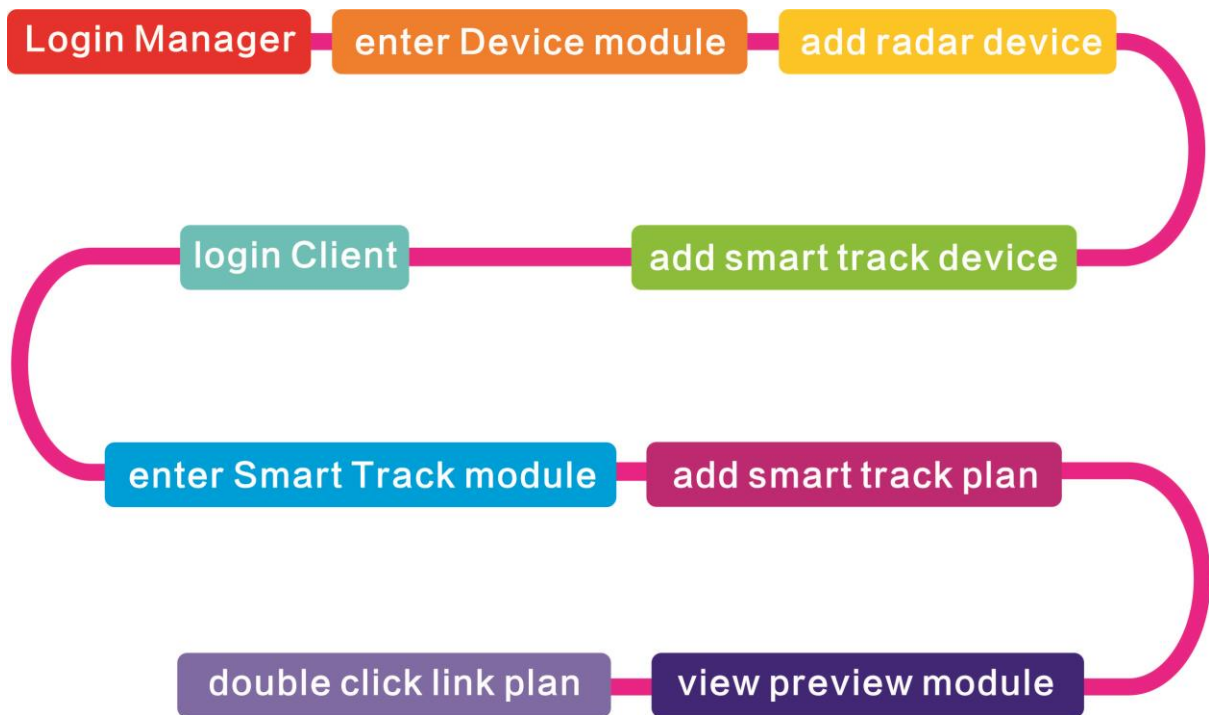


Figure 25-8


Step 4. Enter view name, select group, and click OK.

26 Radar Smart Track

26.1 Business Flow



26.2 Add Radar

Step 1. Login Manager, enter Device module, in Figure 26-1 click  Add to enter Add interface.

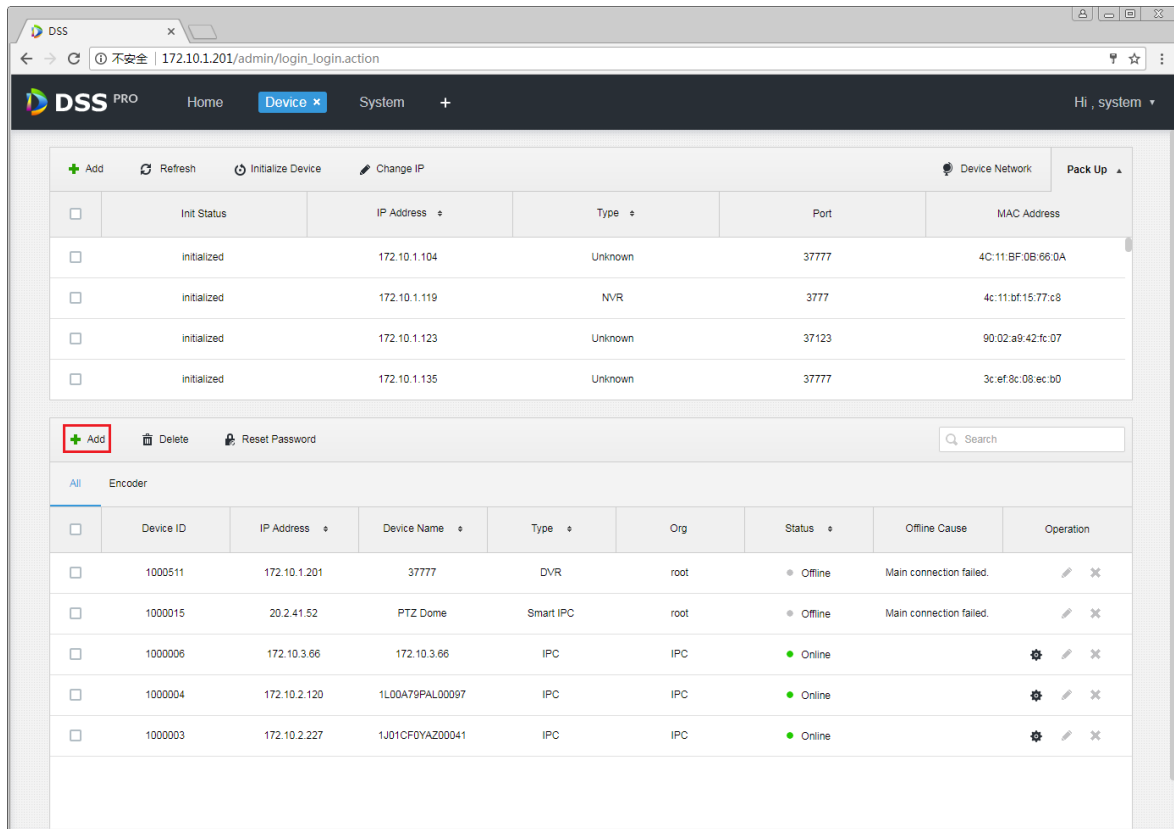


Figure 26-1

Step 2. In Figure 26-2, device category shall be “Radar Device” and enter device IP, port, username and password. Select device organization and server, click **Add** to go to next step.

Add All ✕

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 26-2

Step 3. In Figure 26-3, fill in radar device name, select device model (currently support B100 and B300), fill in device SN, select device role and click OK.

Add All ✕

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

Device Name: * Radar-B300


Type: B100

Device SN: B100
B300

Role: Administrator,Operator

Back Continue to add OK

Figure 26-3

Step 4. Radar device is shown in Figure 26-4. Click  to edit this radar device.

+ Add		Delete		Reset Password		Org: root	Search	
All	Encoder	ANPR Device	Intelligent Device	Matrix	Radar Device			
<input type="checkbox"/>	Device ID	IP/Domain	Device Name	Type	Org	Status	Offline Cause	Operation
<input type="checkbox"/>	1000066	10.11.9.194	Radar-B300	B300	root	Online		

Total 1 record(s).

Go to page 1 Go

Figure 26-4

Step 5. Click to edit this radar device, see Figure 26-5.

Edit device.other X

Basic Info

Virtual Channel

Input Info

Protocol: <input type="text" value="Dahua"/>	Manufacturer: <input type="text" value="Dahua"/>
IP Address: <input type="text" value="* 10.11.9.194"/>	User: <input type="text" value="* admin"/>
Device Port: <input type="text" value="* 8100"/>	Password: <input type="password" value="....."/>
Video Server: <input type="text" value="Center Server"/>	Org: <input type="text" value="root"/>

Device Details

Device Name: <input type="text" value="* Radar-B300"/>	Device SN: <input type="text"/>
Type: <input type="text" value="B300"/>	

Figure 26-5

26.3 Add Smart Track

Step 1. Login Manager, enter device module, in Figure 26-6 click to enter Add interface.

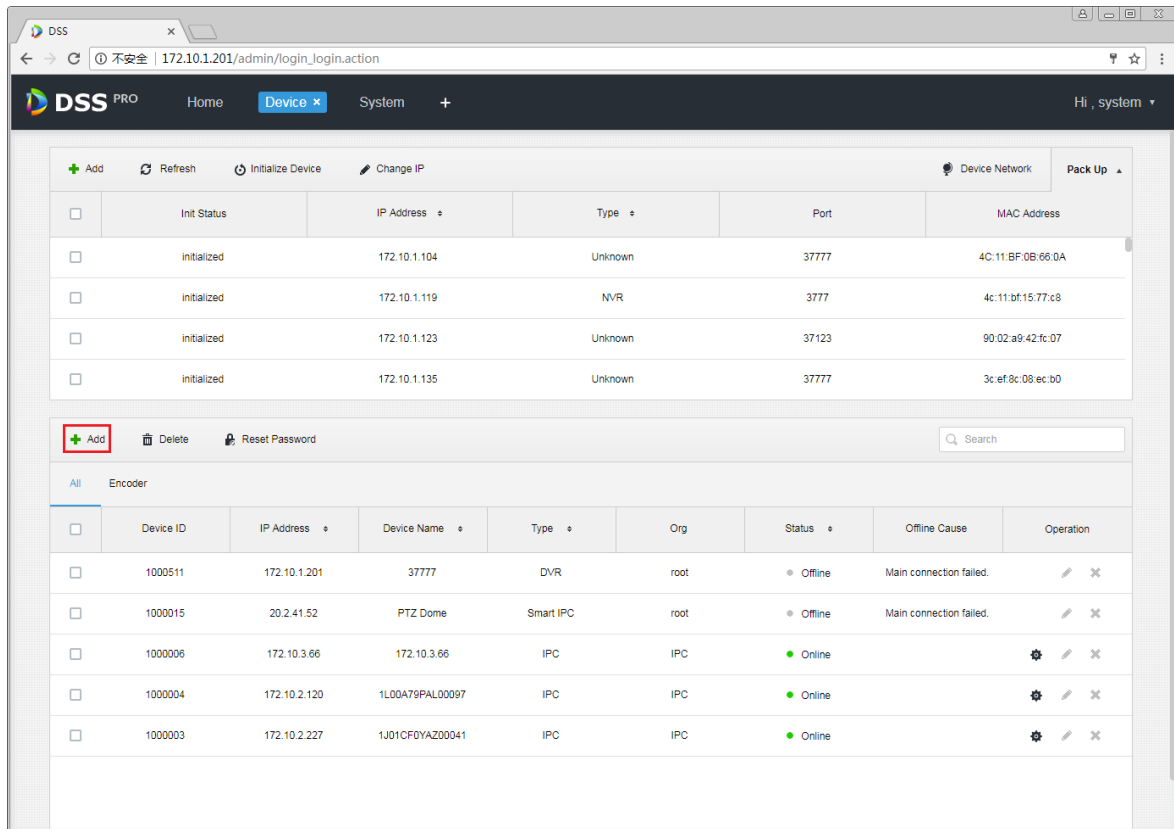


Figure 26-6

Step 2. In Figure 26-7, for device category select “Encoder”, enter smart track dome IP, port, username and password. Select device organization and server, click **Add** to go to next step.

Add All ✕

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 26-7

Step 3. In Figure 26-8 fill in smart track dome name. When network is unobstructed, the platform will auto get device type and channel info. See the figure, select device role, click OK.

Add All ✕

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

Device Name:

Type:

Device SN:

Role:

Video Channel:

Alarm Input Channel:

Alarm Output Channel:

Figure 26-8

Step 4. Smart track device is in Figure 26-9.

+ Add - Delete 🔒 Reset Password			Org: root		Search				
All Encoder ANPR Device Intelligent Device Matrix Radar Device									
<input type="checkbox"/>	Device ID	IP/Domain	Video Server	Device Name	Type	Org	Status	Offline Cause	Operation
<input type="checkbox"/>	1000042	10.33.10.144	Center Server	dev37777	DVR	root	Offline	Netwok anomaly.	⚙️ ✖️
<input type="checkbox"/>	1000067	10.11.9.193	Center Server	PTZ-RADAR	Smart IPC	root	Online		⚙️ ✖️
<input type="checkbox"/>	1000064	172.10.3.57	Center Server	people count	Smart IPC	root	Online		⚙️ ✖️
<input type="checkbox"/>	1000048	10.33.10.27	Center Server	10.33.10.27	EVS	root	Online		⚙️ ✖️
<input type="checkbox"/>	1000040	10.33.10.241	Center Server	10.33.10.241	DVR	root	Online		⚙️ ✖️
<input type="checkbox"/>	1000036	172.10.1.138	Center Server	172.10.1.138	EVS	root	Online		⚙️ ✖️

Total 6 record(s). < 1 > Go to page 1 Go

Figure 26-9

26.4 Smart Track Plan Setup

Step 1. Login Client, open New tab to enter radar smart track module, see Figure 26-10.

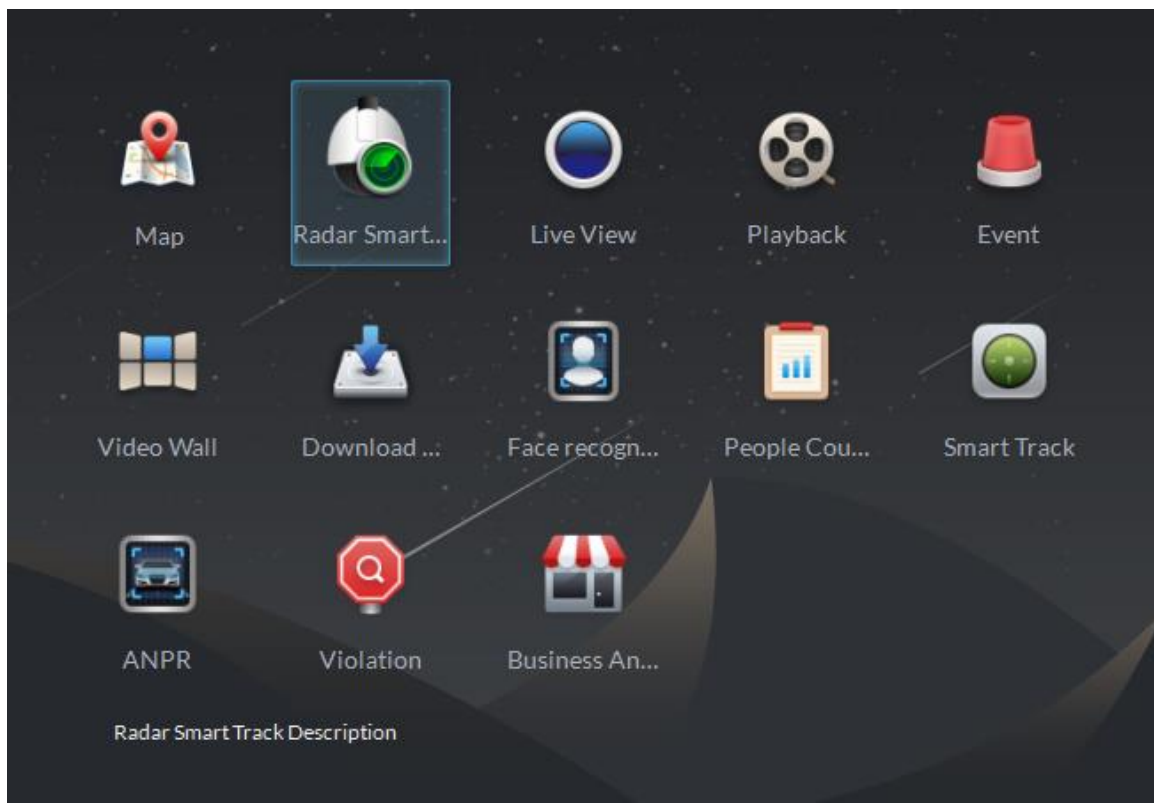


Figure 26-10

Step 2. Enter radar smart track module, see Figure 26-11 for initial status, click to add link plan.

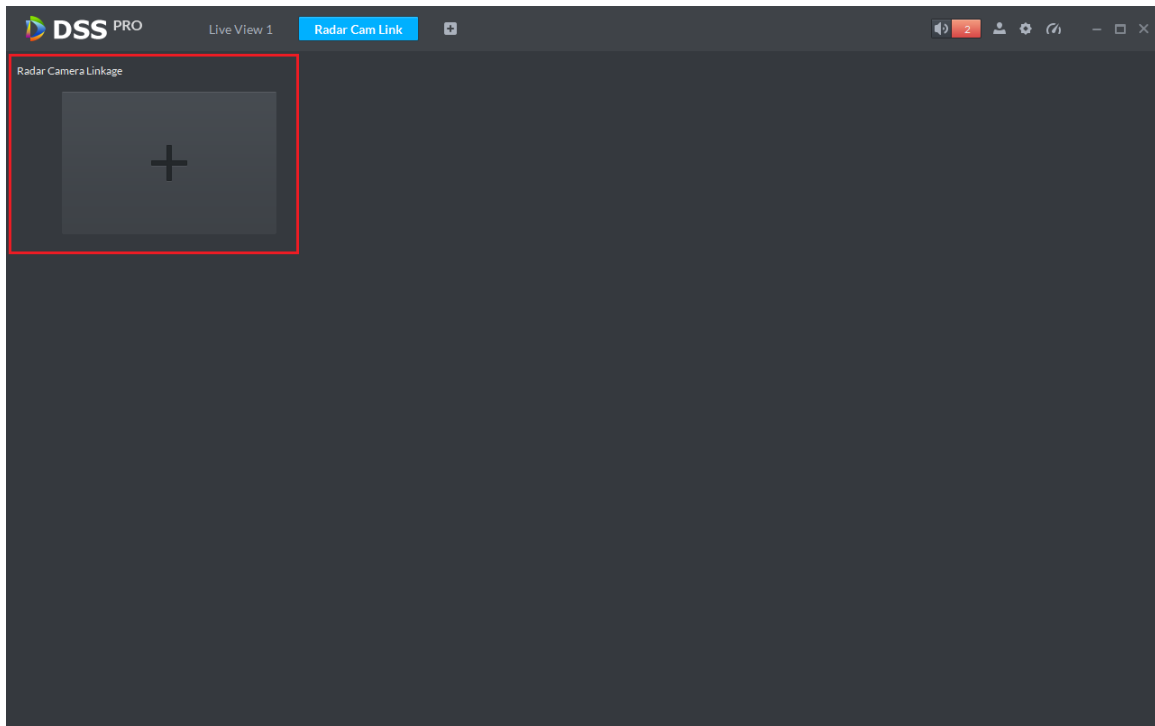


Figure 26-11

Step 3. Enter add interface, see Figure 26-12 prompt “No map data, please set the map on the left first.” Because radar channel shall be dragged onto ma and if the system has not added map, you shall login Manager and add map.

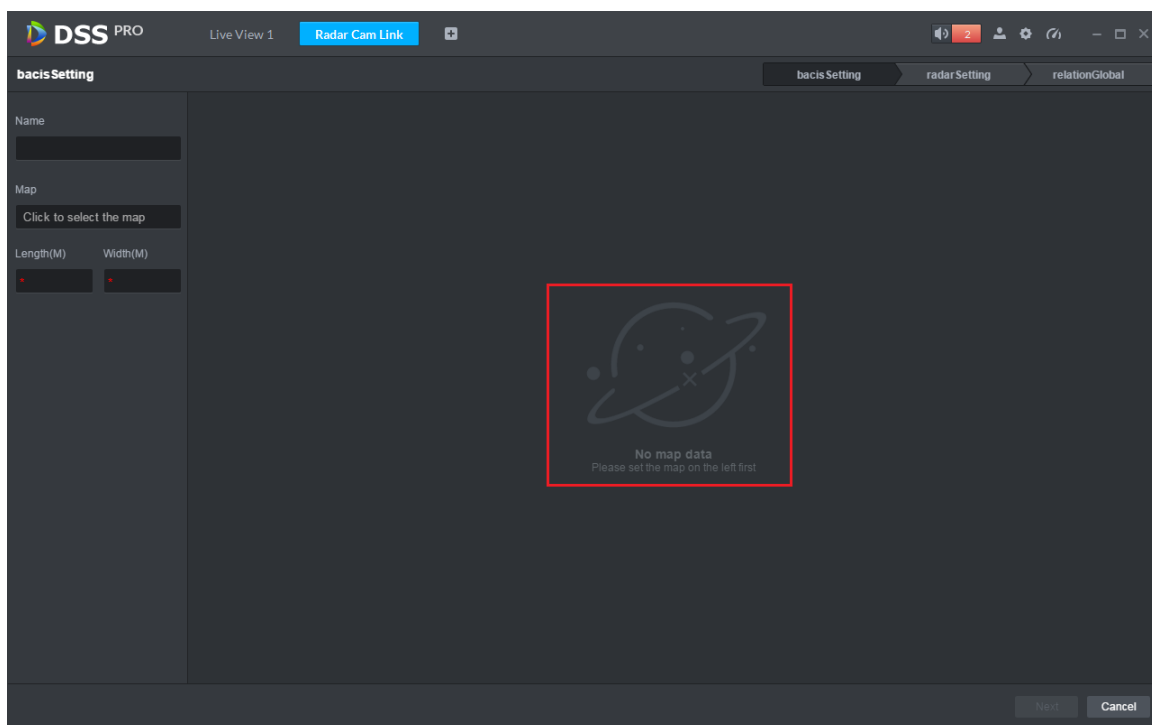


Figure 26-12

Step 4. Basic config. Set plan name, select map. Enter actual length and width of map’s corresponding area. See Figure 26-13 and Figure 26-14. Click Next to enter radar config.

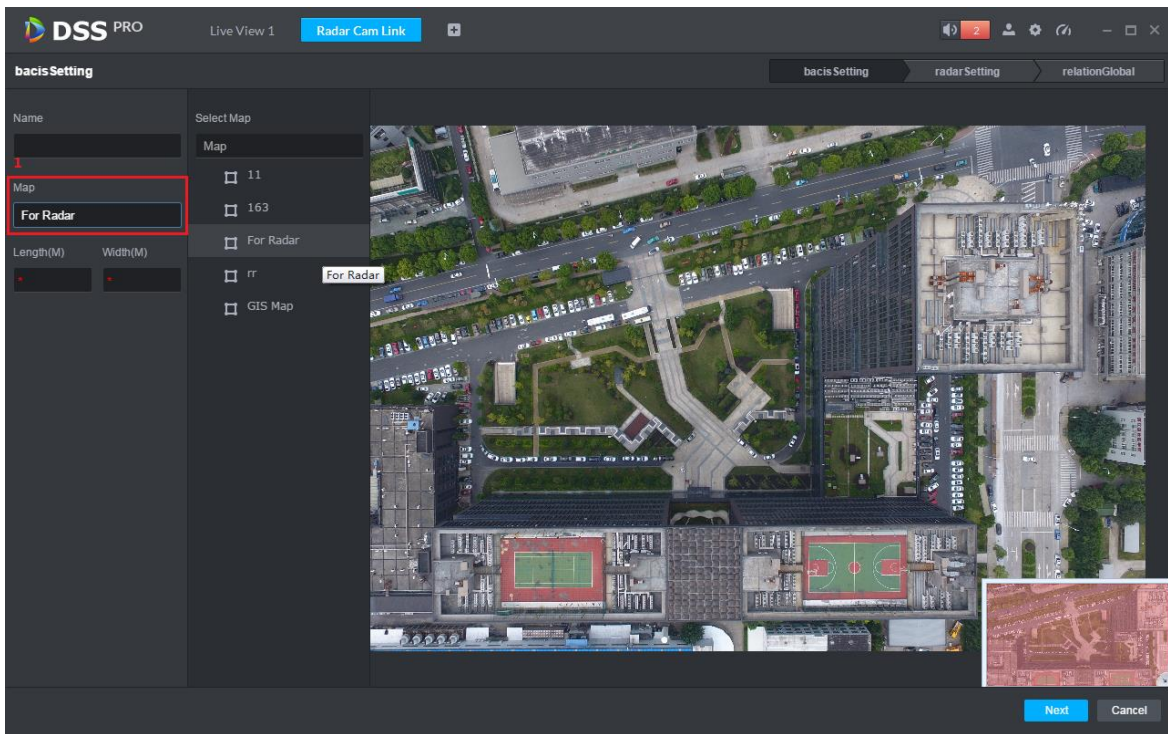


Figure 26-13

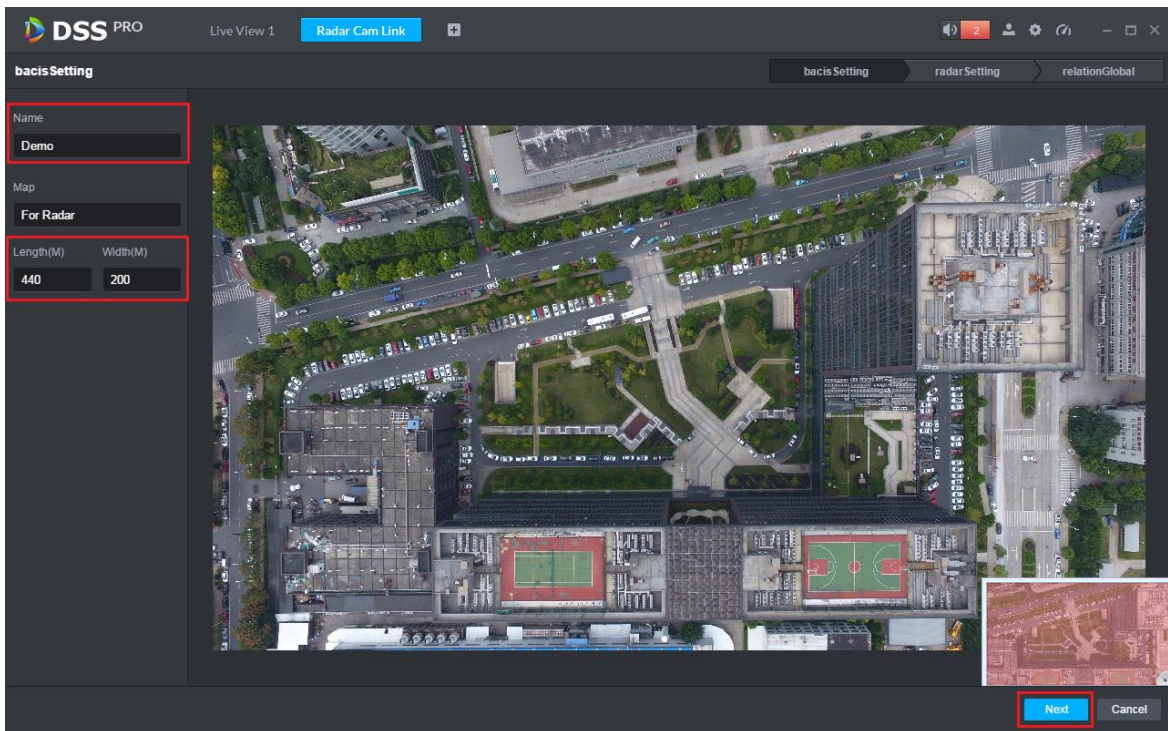


Figure 26-14

Step 5. Enter radar setup, see Figure 26-15, select corresponding radar channel and drag it to actual installation position on map.

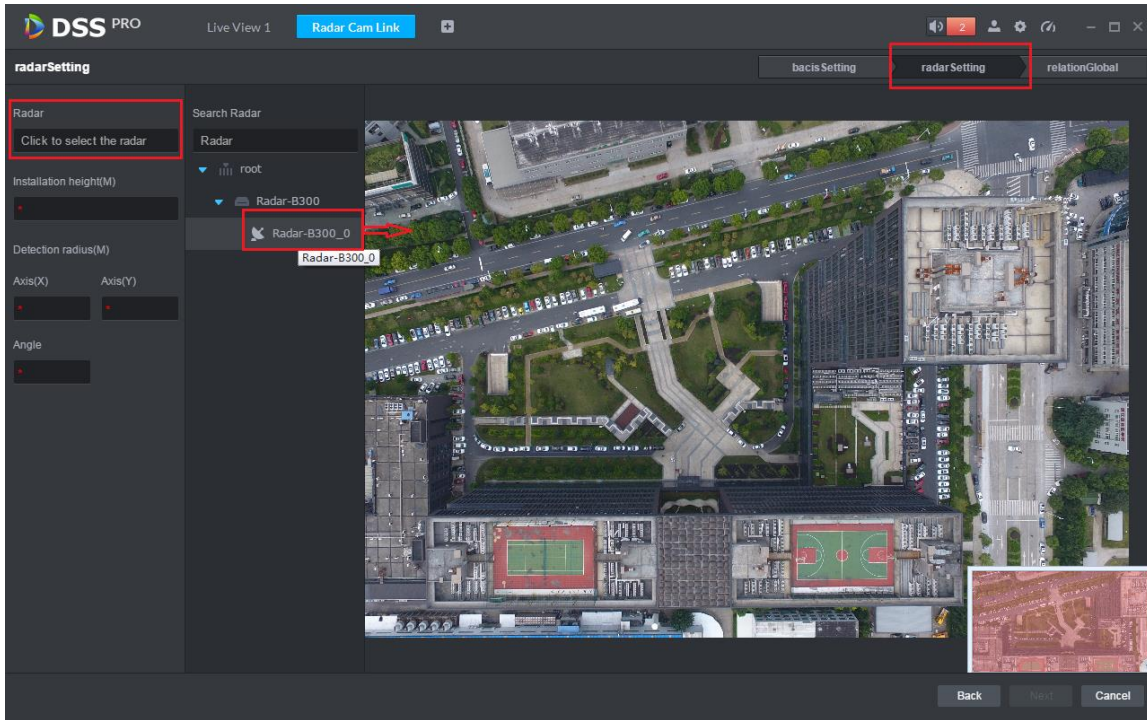


Figure 26-15

Step 6. In Figure 26-16 you can set radar device installation height. Manually rotate blue shadow area to adjust radar device monitoring area as well as you can manually adjust angle value. Click Next to enter smart track dome config.

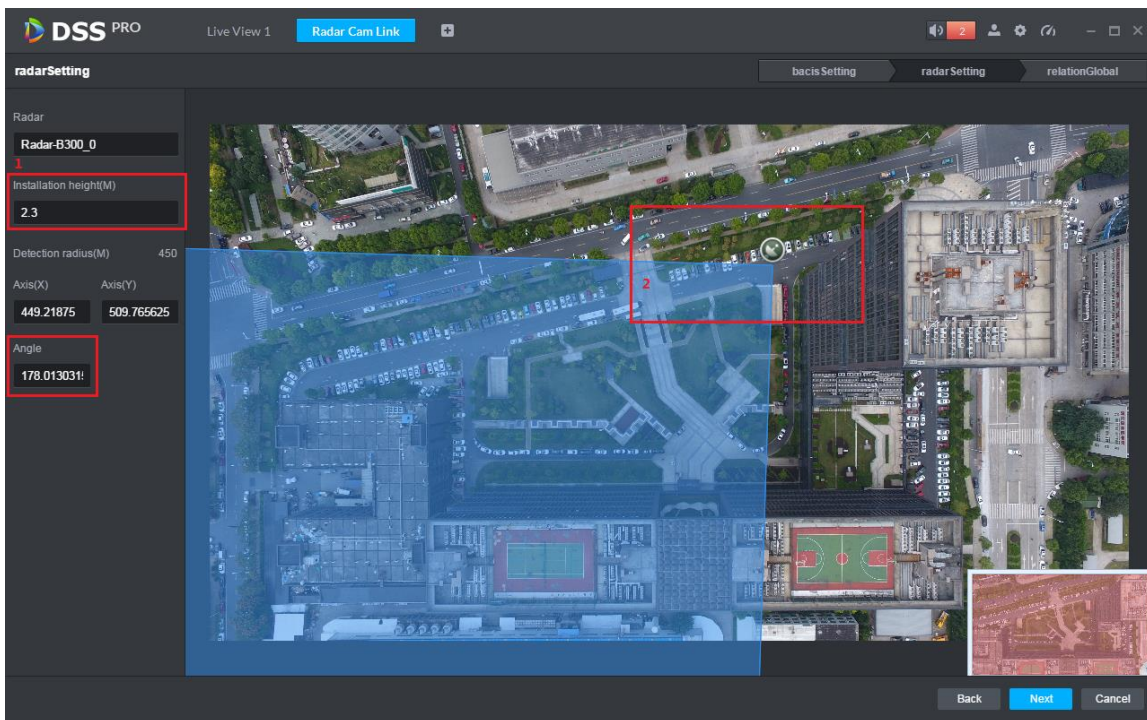


Figure 26-16

Step 7. Config dome. In Figure 26-17, click speed dome and select input box. In open device list, double click channel you want to link.

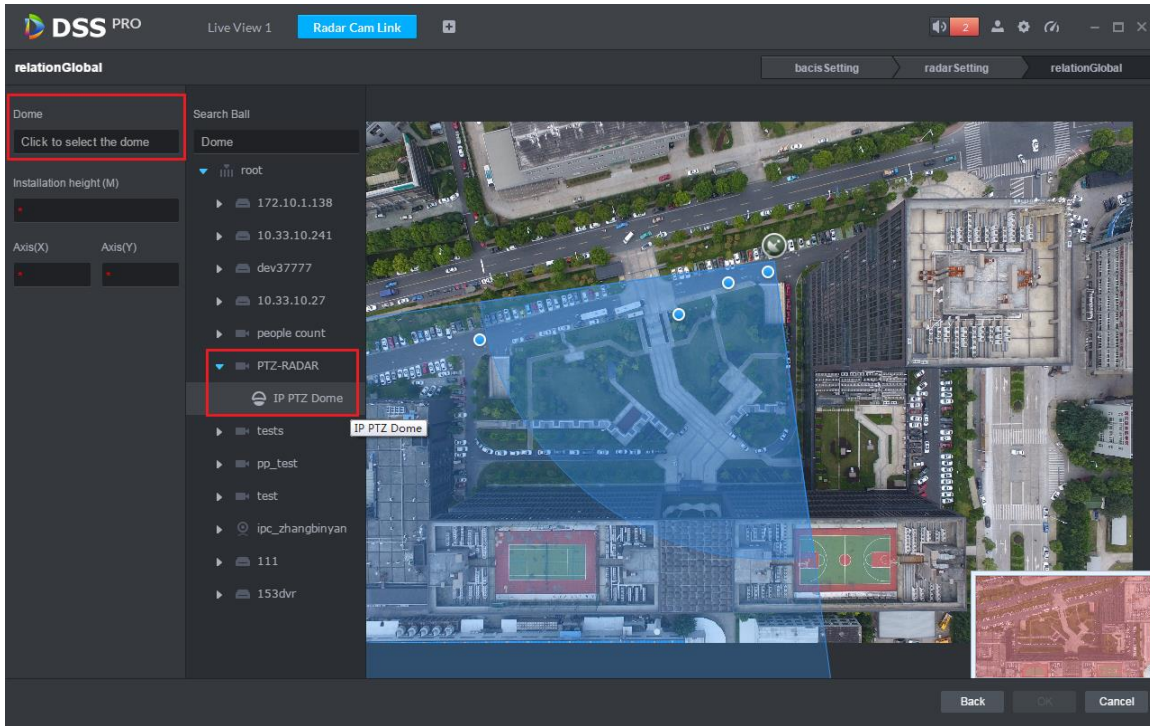


Figure 26-17

Step 8. In Figure 26-18, set speed dome installation height, XY axis data are auto gotten.

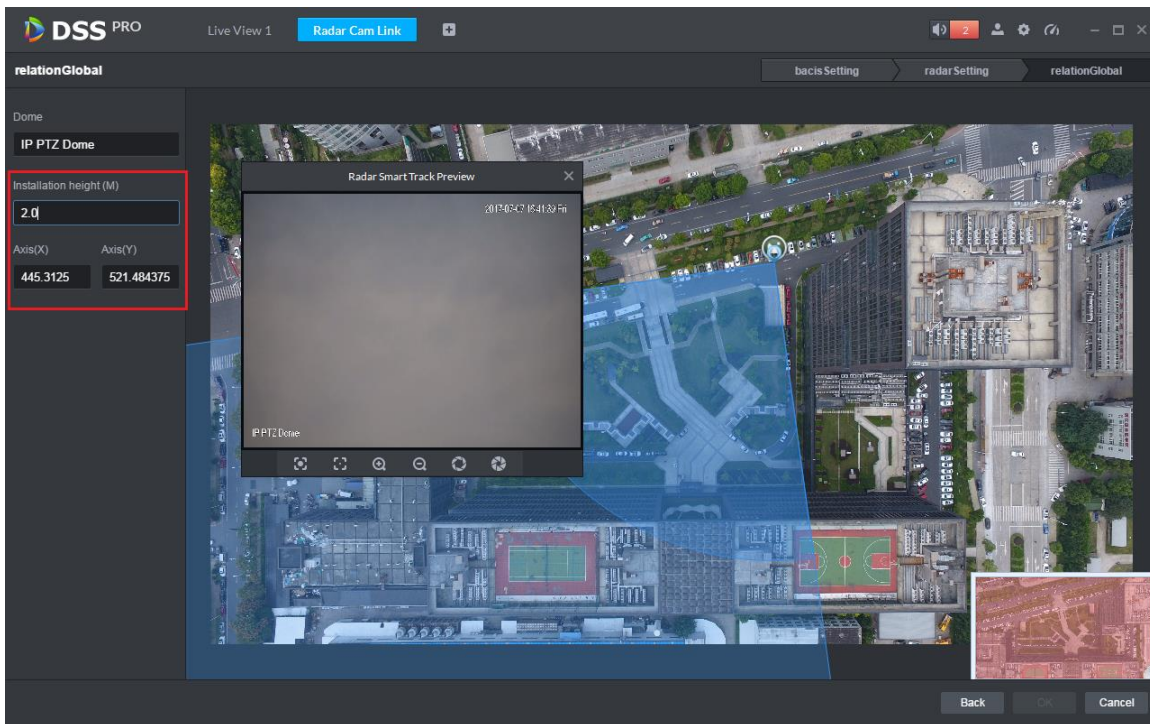


Figure 26-18

Step 9. Set calibration point. You shall link radar to monitoring position of the dome via one calibration point. See Figure 19-9. How to set: in radar monitoring area, select one blue point (detected moving object), then the blue point turns to yellow; rotate dome toward this moving object, click OK to save.

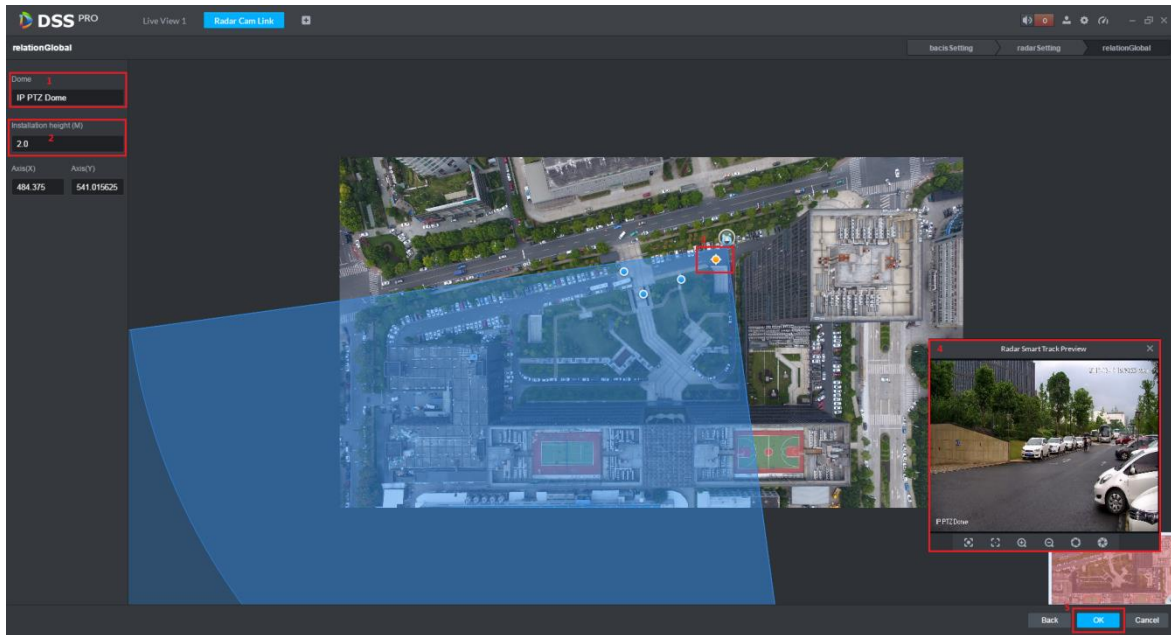




Figure 26-19

Step 10. Radar link plan view and modification. In Figure 26-20, click  to edit this plan. Click  to delete this plan.

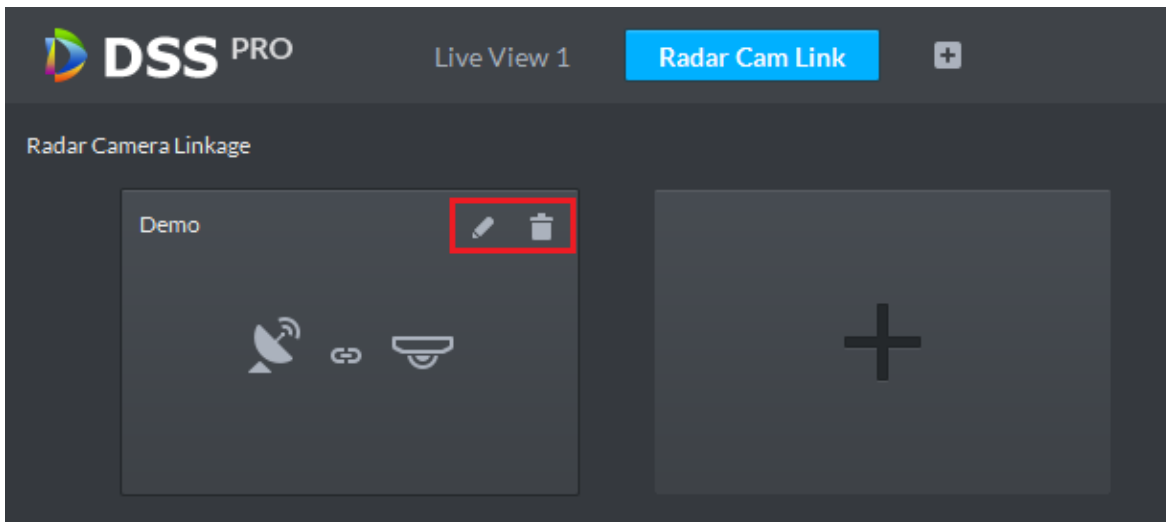


Figure 26-20

26.5 Application Display

Step 1. In smart track module, see Figure 26-21, double click plan list to open set link plan.

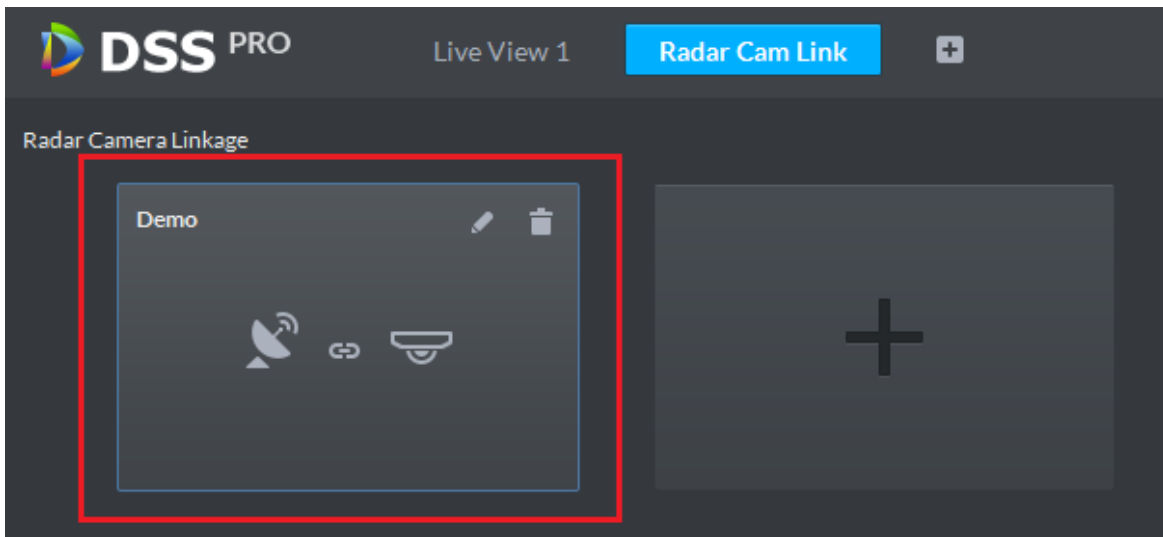


Figure 26-21

Step 2. Open plan to it auto goes to live view module, see Figure 26-22, when moving object appears in monitoring range of radar, dome will auto track this object. You can freely drag the dome.



Figure 26-22

27 Backup and Restore

DSS Manager supports to back up config info and save backup to local PC, meantime it supports to restore backup file.

Note:

Only “system” user can back up and restore which means only when a user login via “system” account, he/she can back up and restore config.

27.1 System Backup

27.1.1 Intro to Function

To ensure user data security, DSS Professional system provides backup function of data. It includes manual backup and auto backup.

27.1.2 Manual Backup

Step 1. Login DSS Manager.

Step 2. Click  next to Home, select Backup and Restore, see Figure 27-1.

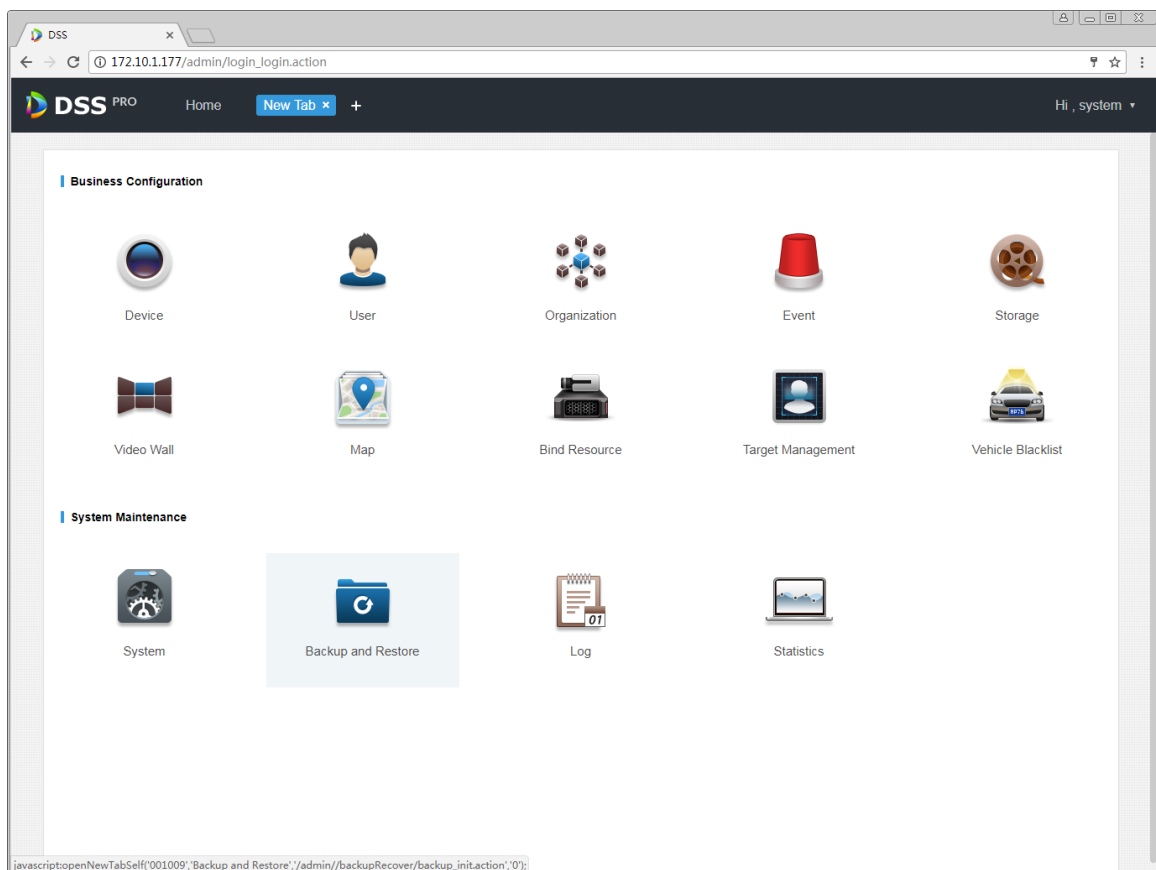



Figure 27-1

Step 3. Select  tab, enter backup interface, see Figure 27-2.

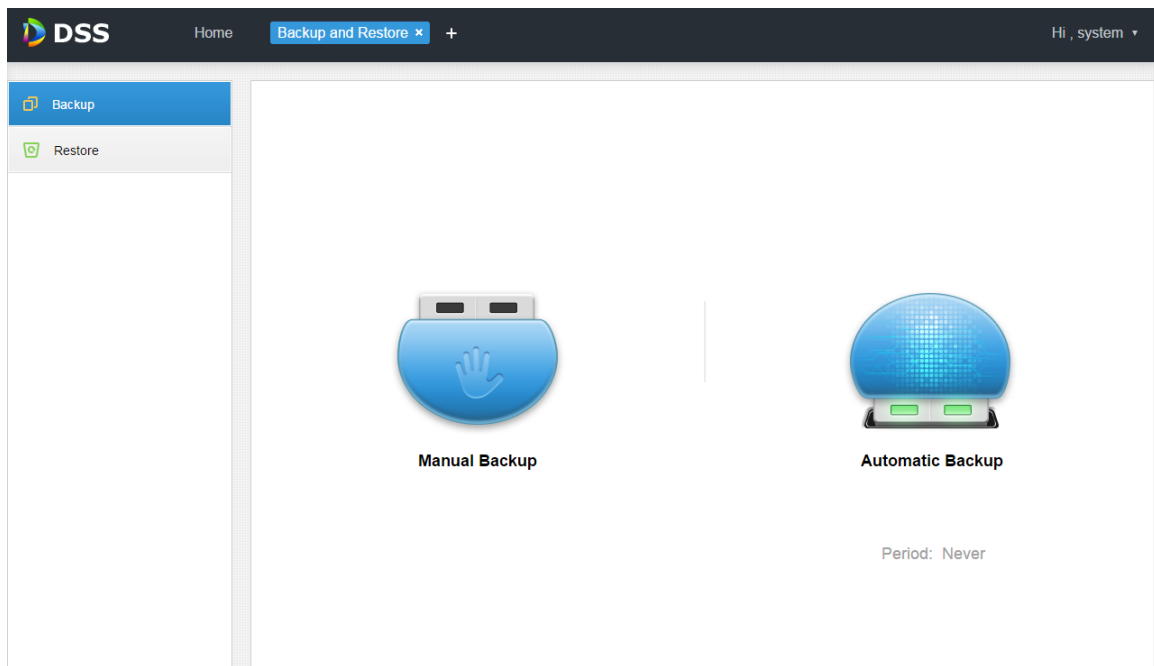


Figure 27-2



Step 4. Manually back up data by clicking  .

Step 5. Backup result is shown, and you can see backup result at the lower-left corner in explorer (as well as download content of explorer). Click to show it in folder. Default backup path is C:\Users\”actual user name”\Downloads.

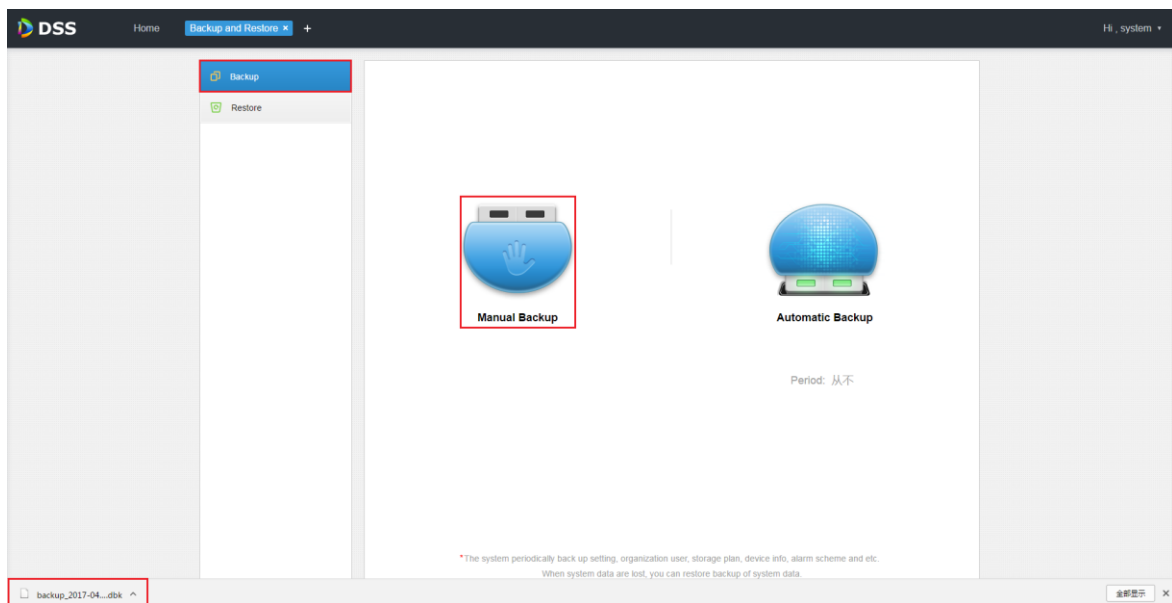


Figure 27-3

Step 6. See Figure 27-4 pop up box, enter password to encrypt this backup file.

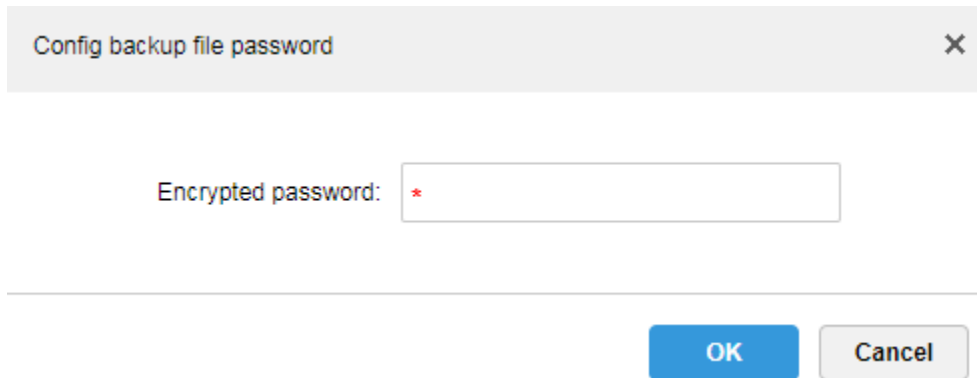


Figure 27-4

Step 7. In default path, see Figure 27-5.


 backup_2017-04-12 (1).dbk	2017/4/12 17:11	DBK 文件	89 KB
 backup_2017-04-12.dbk	2017/4/12 17:07	DBK 文件	89 KB

Figure 27-5

27.1.3 Auto Backup

Step 1. Refer to Ch 18.1.2 Step 1.~3.



Step 2. Auto back up, click  , see Figure 27-6.

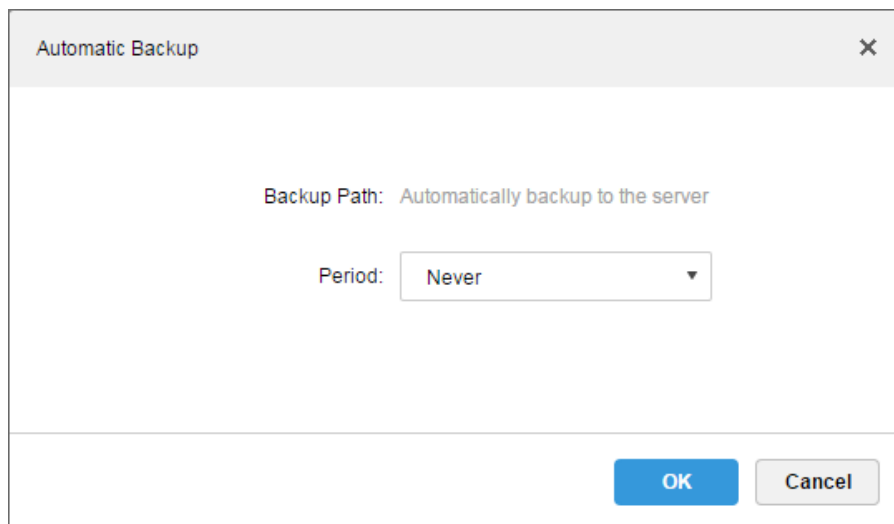


Figure 27-6

Step 3. Select backup period from dropdown list, you can select: never, by data, by week, by month, see Figure 27-7.

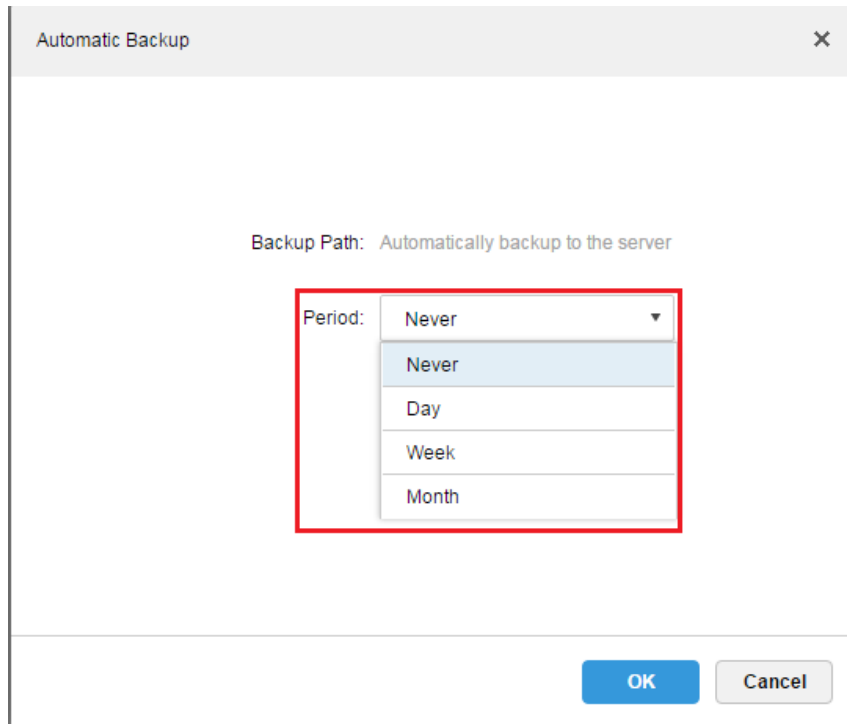



Figure 27-7

Step 4. Select backup period, and the pages show setup menu, you can set auto backup execution time. After you set time, click  to save config. The system auto back up data by selected period and time to server.

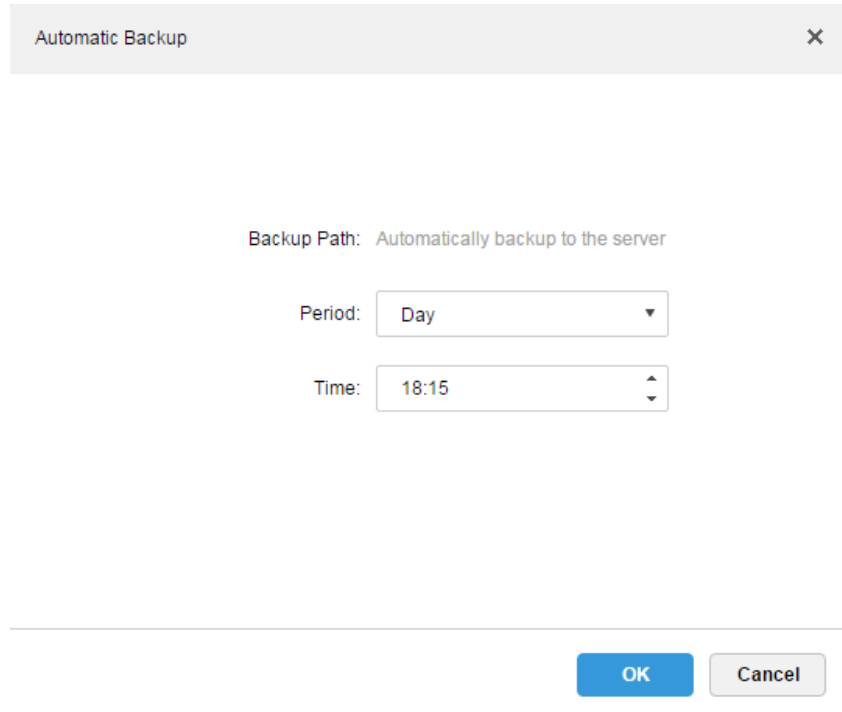


Figure 27-8



Automatic Backup

Period: Day

Time: 18:15

Figure 27-9

Step 5. On server, view auto backup file. Default backup path is server installation directory-Servers-bak- db_backup, see Figure 27-10.



 172.5.1.207_dss_20170412_1.sql	2017/4/12 18:15	SQL 文件	221 KB
 172.5.1.207_dss_20170412_dm1_1.sql	2017/4/12 18:15	SQL 文件	42 KB

Figure 27-10

27.2 System Recovery

27.2.1 Intro to Function


When user database is abnormal, you can use the recovery function to recover data to the latest backup so DSS system can quickly recovers thus minimize user loss.

Warning:

Before you restore system, you shall stop DSS operations done by other users. This function will change data info, be careful!

27.2.2 Restore Local File

Local file restore is to restore manually backed up file to server.

Step 1. Select  Restore tab, enter Restore interface, see Figure 27-11.

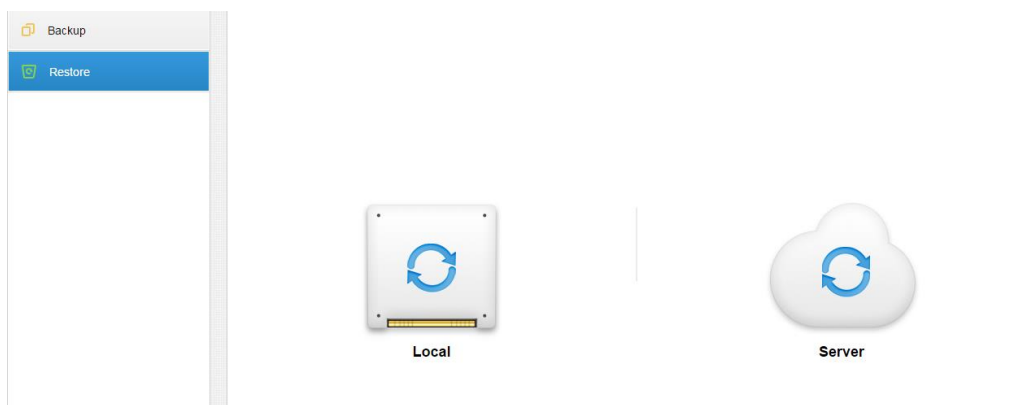



Figure 27-11

Step 2. Click  , select local file to restore, click **Choose** and select file. Click **OK** to continue, see Figure 27-12.

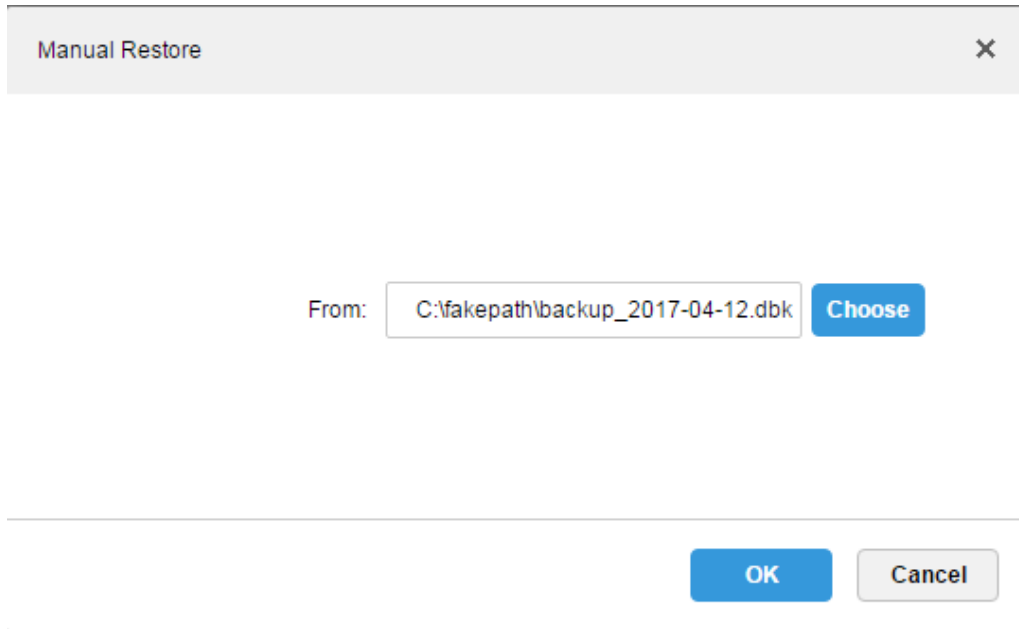


Figure 27-12

Step 3. Enter admin password to restore, see Figure 27-13.

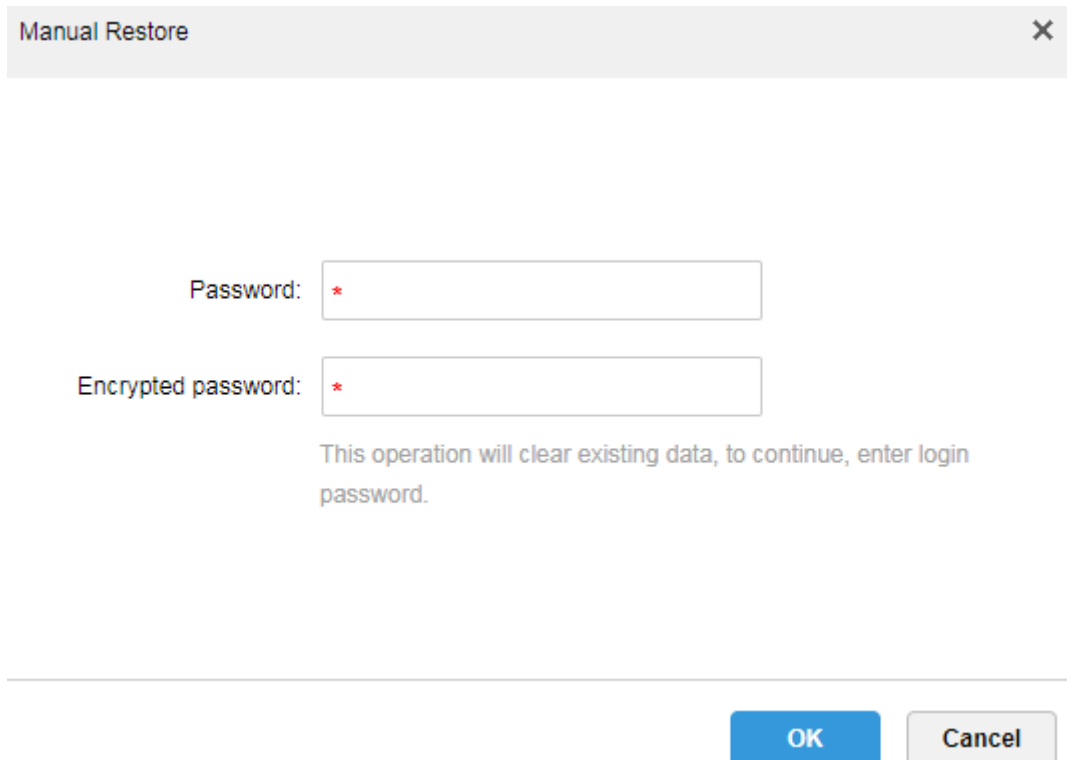


Figure 27-13

Step 4. Now it is restoring data, you can see percentage of progress complete.
Step 5. When it successfully restores, system will reboot.

27.2.3 Restore Server File

Select to restore backup file on server, however, you must have enabled auto backup function of the system already, so the server has backed up file periodically.

Step 1. Select  Restore tab, see Figure 27-14.

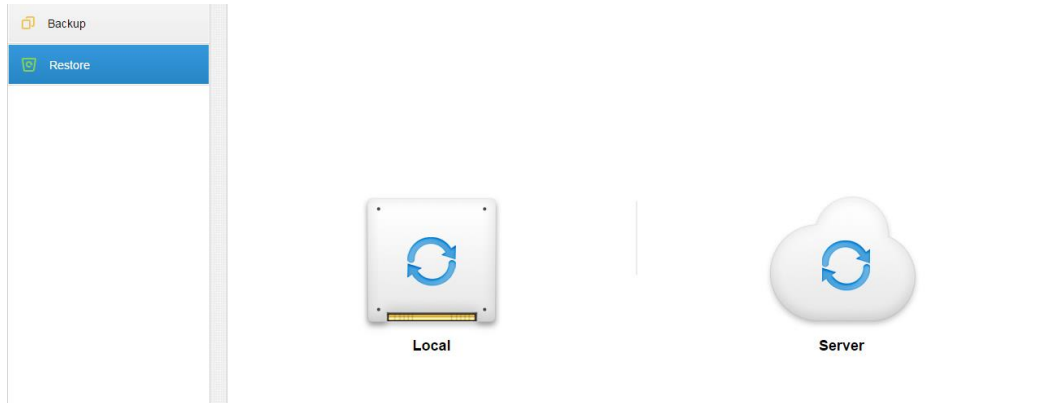


Figure 27-14

Step 2. Click  Server, in pop-up list, click  and select file to restore, see Figure 27-15.

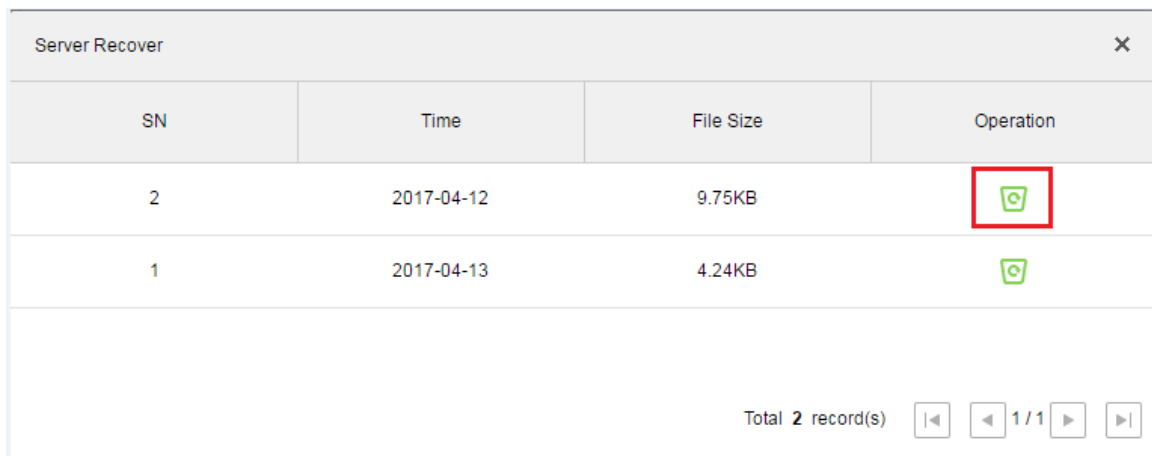


Figure 27-15

Step 3. Enter admin password, click  to execute, see Figure 27-16.

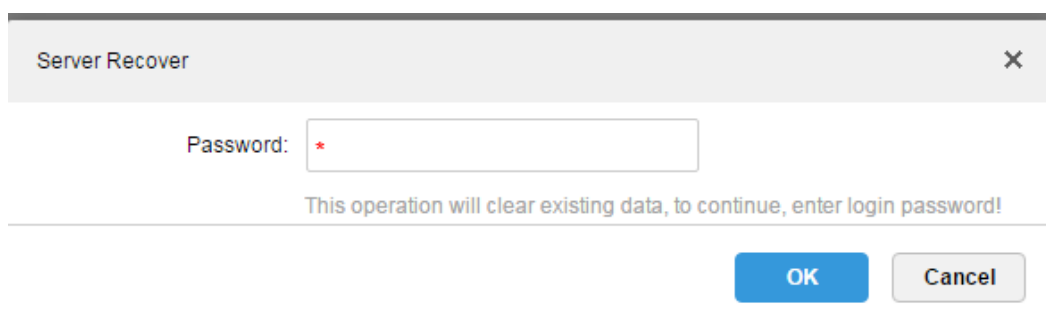


Figure 27-16

Step 4. When it successfully restores, you will see a prompt and system will reboot.

28 Log

28.1 Intro to Function

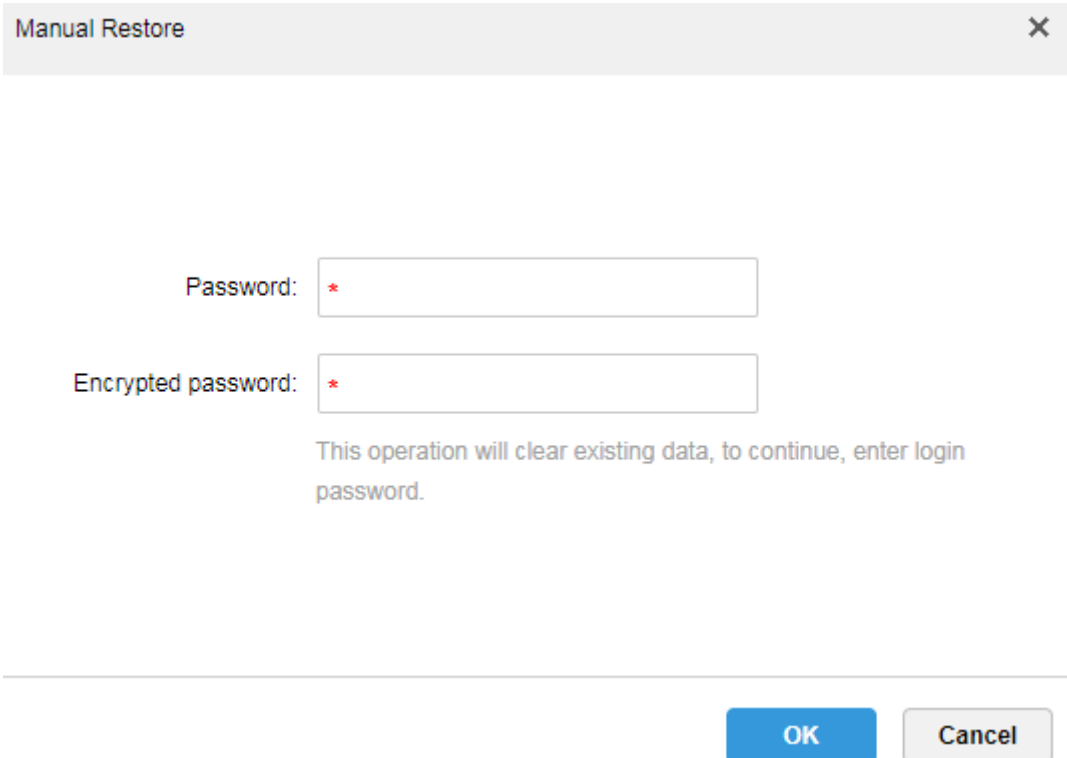
The system supports to search Manager config log, Client config log and system log. You can filter search type of search, select period and keyword. You also can export log (in PDF format). The following takes Manager config log as an example.

28.2 Intro to Operation

Step 1. Login DSS Manager.

Step 2. Click  next to Home.

Step 3. Select log module, see



The image shows a dialog box titled "Manual Restore" with a close button (X) in the top right corner. Below the title bar, there are two input fields: "Password:" and "Encrypted password:", each containing a red asterisk. Below these fields is a message: "This operation will clear existing data, to continue, enter login password." At the bottom right of the dialog, there are two buttons: "OK" (blue) and "Cancel" (grey).

Figure 28-1

Step 4. Select log type, event type, search time. See Figure 28-2.

Log Type	Event Type	Period	Search	Export
Manager Config Log	All	2017-04-12	2017-04-12	
Manager Config Log	All			
Client Setup Log	User			
System Log	Parameter Config			
2017-04-12 23:44:00	Device	1		10.33.10.14
2017-04-12 23:45:05	Organization Structure	2		172.10.3.13
2017-04-12 23:44:53	Role	3		
2017-04-12 23:41:32	Event	4		10.33.10.14
2017-04-12 23:41:26	Storage	5		
2017-04-12 23:39:47	Time Template	6		10.18.135.170
2017-04-12 23:39:47	Video Wall	7		10.33.10.207
2017-04-12 23:39:47	Backup and Restore	8		10.33.7.15
2017-04-12 23:39:47		9		10.33.7.15
2017-04-12 23:38:37		10		10.33.10.14
2017-04-12 23:37:20		11		10.33.10.27
2017-04-12 23:32:16		12		10.33.10.65
2017-04-12 23:19:02		13		10.33.10.158
2017-04-12 23:17:54		14		10.33.10.177
2017-04-12 23:10:24		15		10.33.10.14
2017-04-12 22:59:03		16		10.33.7.15
		17		
		18		
		19		
		20		
		21		
		22		
		23		
		24		
		25		
		26		
		27		
		28		
		29		
		30		

Total 250 record.


Figure 28-2

Step 5. Result of log search is shown below, and total number of search is shown at the lower-left corner. See Figure 28-3.

Log Type	Event Type	Period	Search	Export
Manager Config Log	Device	2017-04-11	2017-04-12	
Time	Username	Event Type	Event Contents	IP
2017-04-12 18:11:10	system	Device	Add 设备 : 172.10.4.111	172.10.3.13
2017-04-12 18:10:44	system	Device	Add 设备 : 172.10.4.62	172.10.3.13
2017-04-12 18:10:01	system	Device	Add 设备 : 172.10.23.23	172.10.3.13
2017-04-12 18:09:58	system	Device	Add 设备 : 172.10.4.8	172.10.3.13
2017-04-12 18:09:53	system	Device	Add 设备 : 172.10.4.6	172.10.3.13
2017-04-12 18:09:49	system	Device	Add 设备 : 172.10.3.88	172.10.3.13
2017-04-12 18:09:46	system	Device	Add 设备 : 172.10.3.84	172.10.3.13
2017-04-12 18:09:41	system	Device	Add 设备 : 172.10.3.74	172.10.3.13
2017-04-12 18:09:37	system	Device	Add 设备 : 172.10.3.70	172.10.3.13
2017-04-12 18:09:33	system	Device	Add 设备 : 172.10.3.66	172.10.3.13
2017-04-12 18:09:29	system	Device	Add 设备 : 172.10.3.64	172.10.3.13
2017-04-12 18:09:25	system	Device	Add 设备 : 172.10.2.227	172.10.3.13
2017-04-12 18:09:21	system	Device	Add 设备 : 172.10.2.223	172.10.3.13
2017-04-12 18:09:17	system	Device	Add 设备 : 172.10.2.208	172.10.3.13

Total 93 record.

Figure 28-3

Step 6. Click  **Export** to export log info, see Figure 28-4.

Time	Username	Event Type	Event Contents	IP
2017-04-12 18:11:10	system	Device	Add 设备 : 172.10.4.111	172.10.3.13
2017-04-12 18:10:44	system	Device	Add 设备 : 172.10.4.62	172.10.3.13
2017-04-12 18:10:01	system	Device	Add 设备 : 172.10.23.23	172.10.3.13
2017-04-12 18:09:58	system	Device	Add 设备 : 172.10.4.8	172.10.3.13
2017-04-12 18:09:53	system	Device	Add 设备 : 172.10.4.6	172.10.3.13
2017-04-12 18:09:49	system	Device	Add 设备 : 172.10.3.88	172.10.3.13
2017-04-12 18:09:46	system	Device	Add 设备 : 172.10.3.84	172.10.3.13
2017-04-12 18:09:41	system	Device	Add 设备 : 172.10.3.74	172.10.3.13
2017-04-12 18:09:37	system	Device	Add 设备 : 172.10.3.70	172.10.3.13
2017-04-12 18:09:33	system	Device	Add 设备 : 172.10.3.66	172.10.3.13
2017-04-12 18:09:29	system	Device	Add 设备 : 172.10.3.64	172.10.3.13
2017-04-12 18:09:25	system	Device	Add 设备 : 172.10.2.227	172.10.3.13
2017-04-12 18:09:21	system	Device	Add 设备 : 172.10.2.223	172.10.3.13
2017-04-12 18:09:17	system	Device	Add 设备 : 172.10.2.208	172.10.3.13

Total 93 record.

Navigation: 1 2 3 4 5 6 7 Go to page 1 Go

Figure 28-4

Step 7. View export log result, and it shows current log pack at the lower-left corner, you also can view in Explorer download bar, see Figure 28-5.

Figure 28-5

Step 8. Open compression pack, log (PDF) is shown in Figure 28-6.

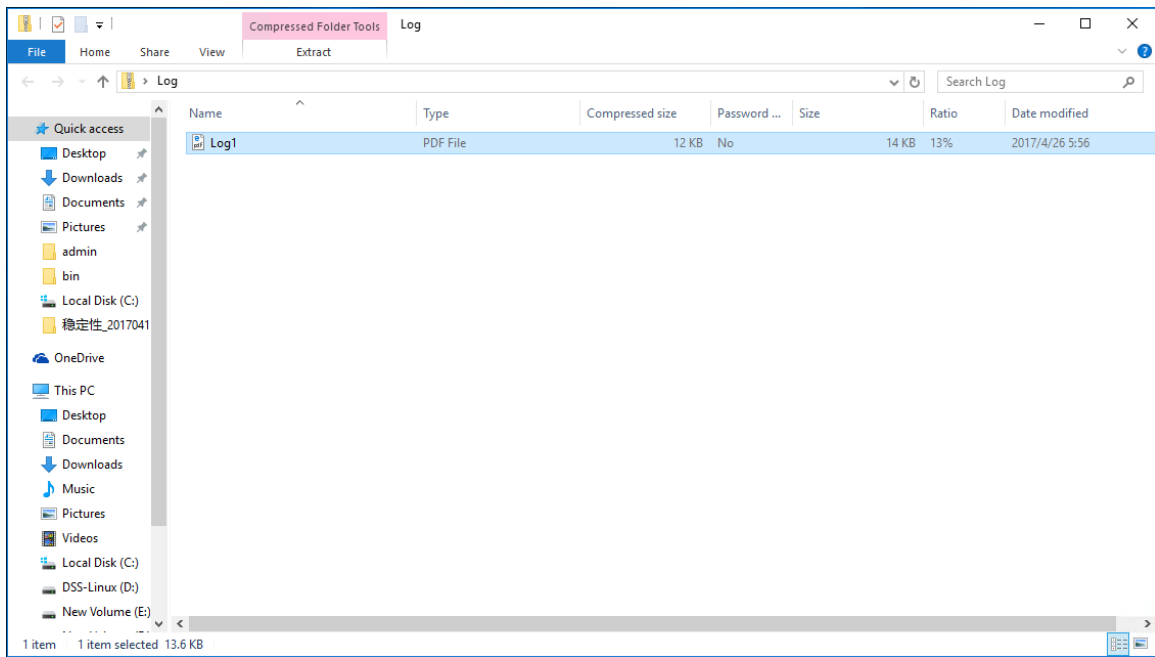



Figure 28-6

Step 9. View log final result.

29 Statistics

DSS Manager supports to search system operation and maintenance statistics function and understand system operation on time.

29.1 Overview

Step 1. Click  next to Home, see Figure 29-1.

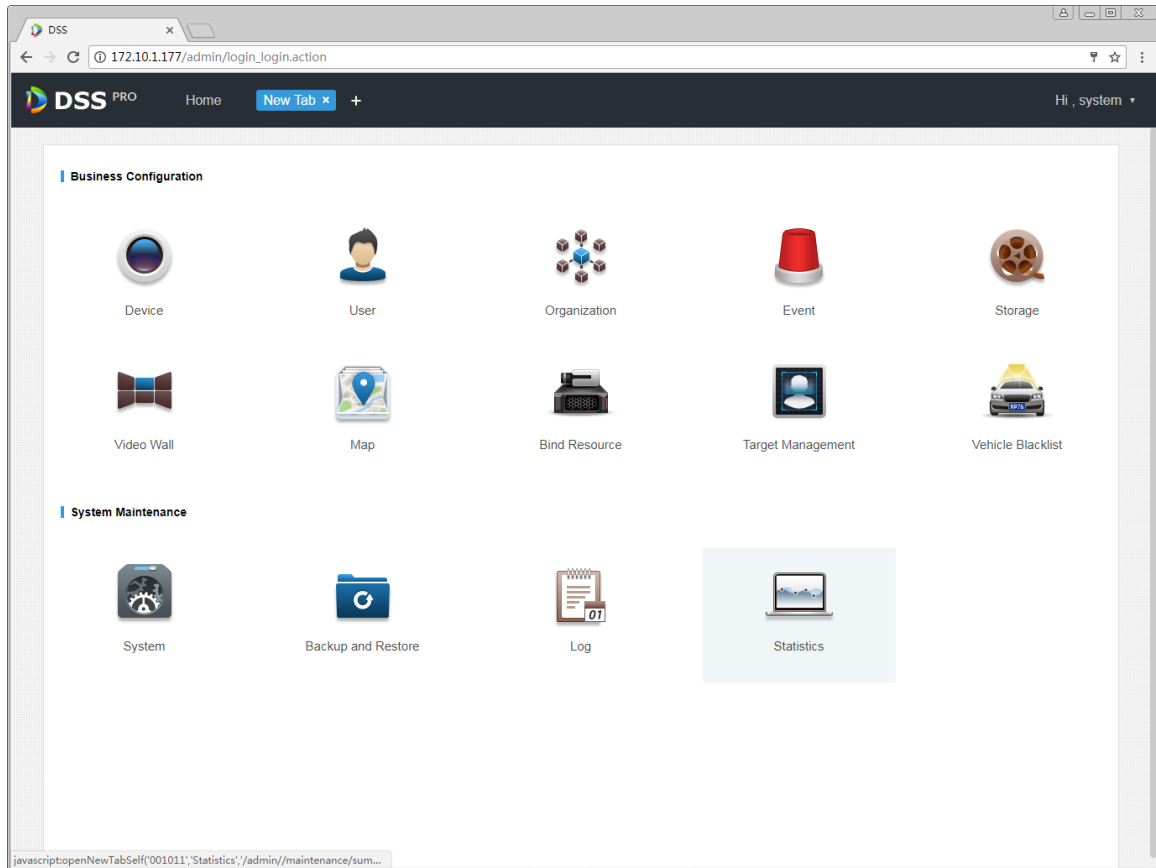


Figure 29-1

Step 2. Select Statistics, see Figure 29-2.

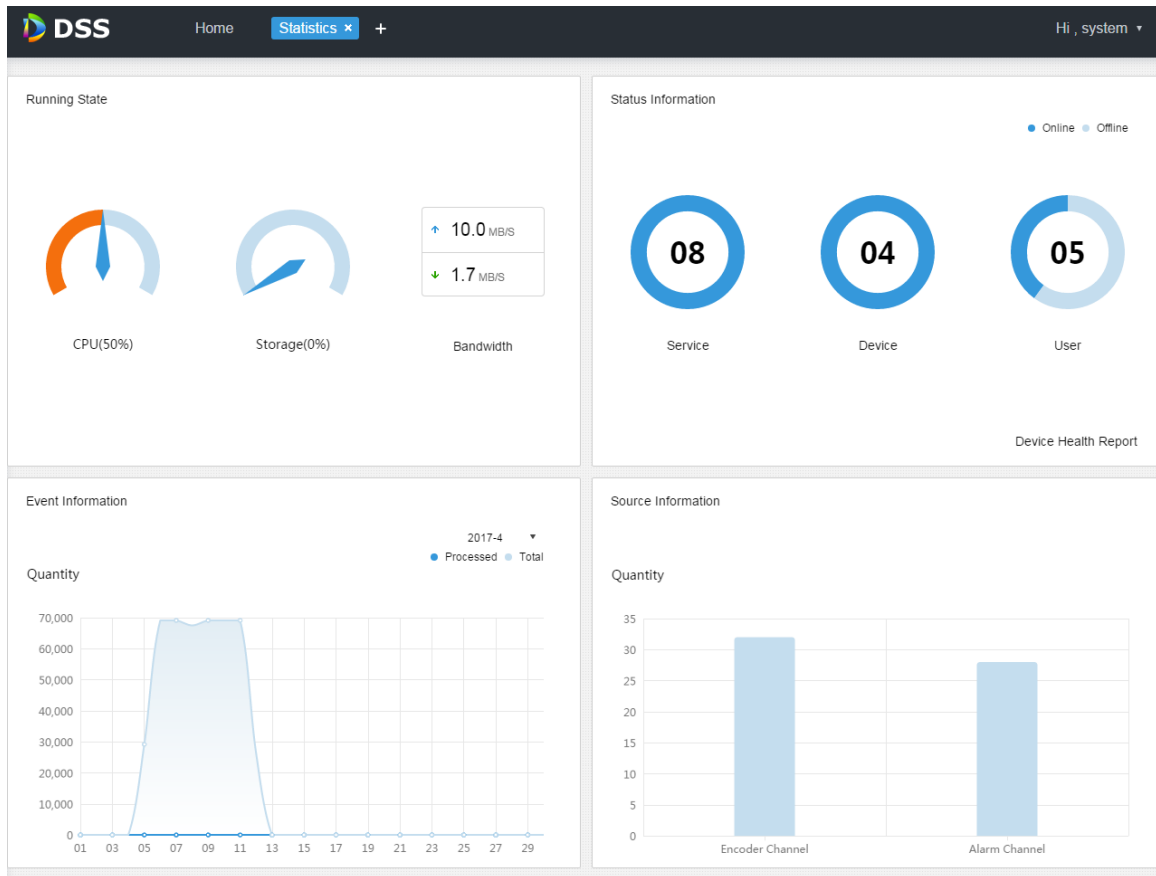


Figure 29-2

29.2 Running State

View CPU, storage, bandwidth and etc. Click Running State or icon below to go to detail page, see Figure 29-3.

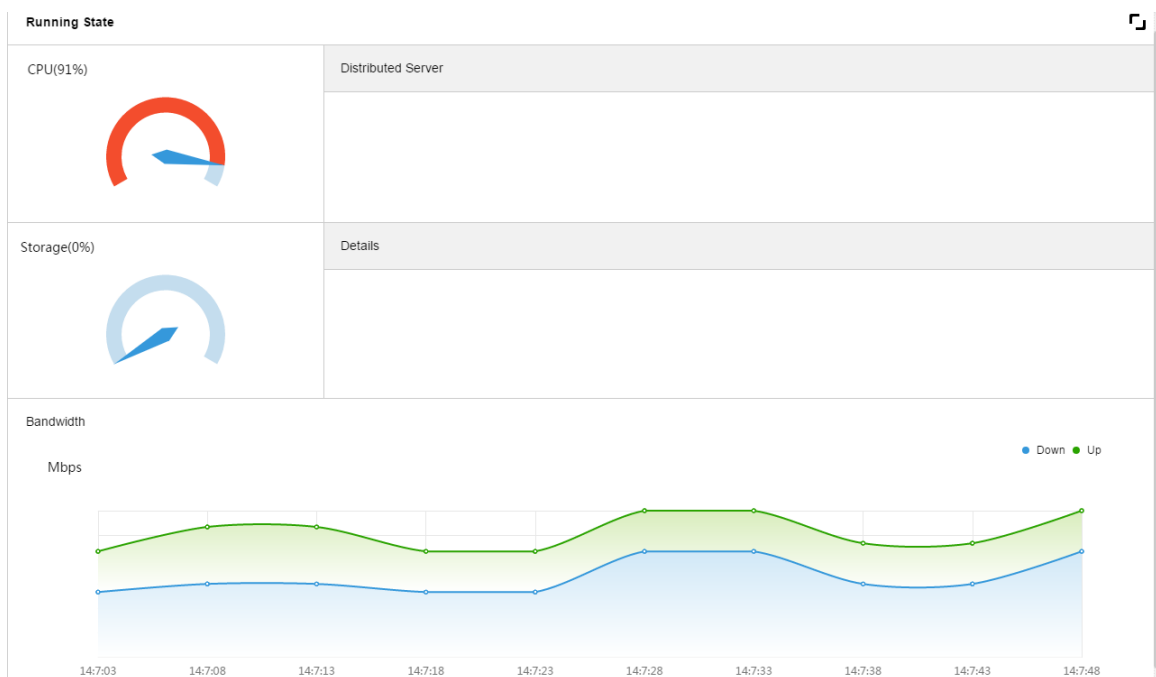



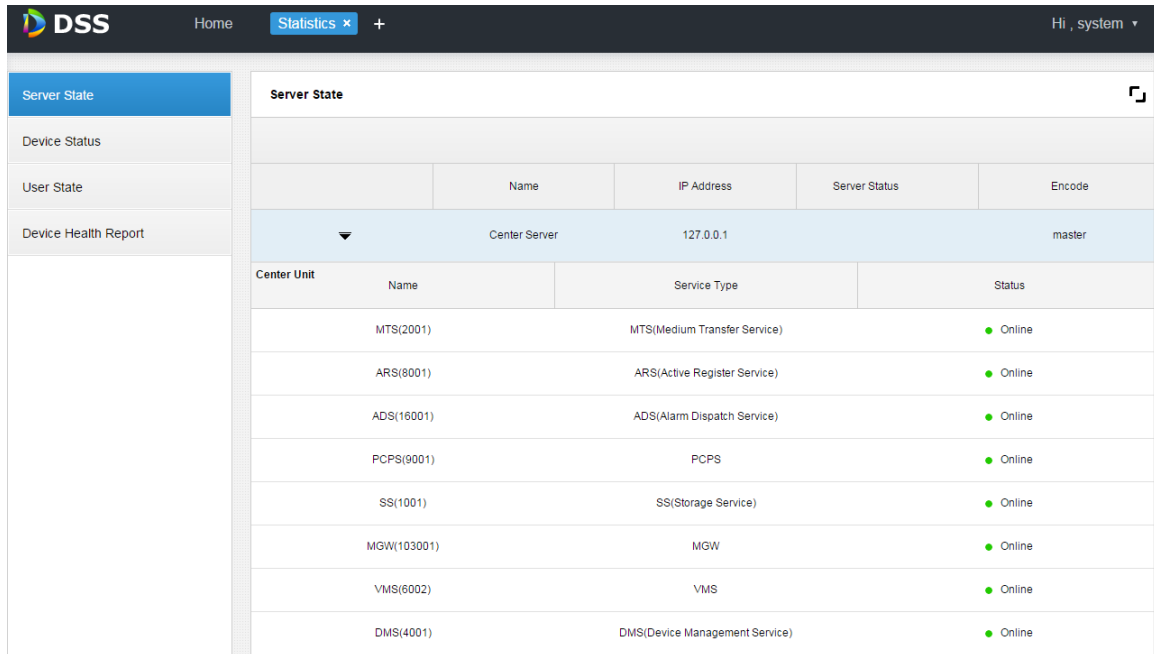
Figure 29-3

29.3 Status Info

View server, device, user online/offline status statistics and click Status Info or icon below to go to detail page.

29.3.1 Server State

Click  in Server State interface, see Figure 29-4.

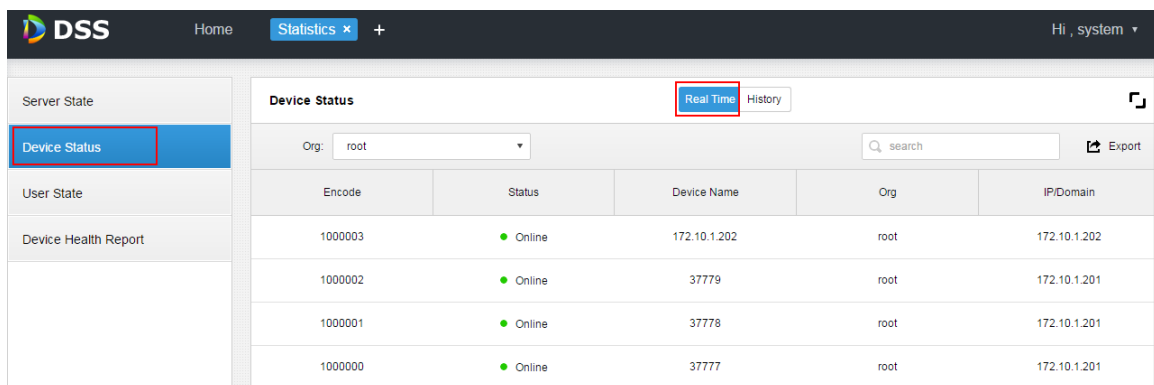


	Name	IP Address	Server Status	Encode
	Center Server		127.0.0.1	master
Center Unit	Name	Service Type	Status	
	MTS(2001)	MTS(Medium Transfer Service)	● Online	
	ARS(8001)	ARS(Active Register Service)	● Online	
	ADS(16001)	ADS(Alarm Dispatch Service)	● Online	
	PCPS(9001)	PCPS	● Online	
	SS(1001)	SS(Storage Service)	● Online	
	MGW(103001)	MGW	● Online	
	VMS(6002)	VMS	● Online	
	DMS(4001)	DMS(Device Management Service)	● Online	

Figure 29-4

29.3.2 Device Status

Step 1. Click Device Status tab, see Figure 29-5.



Encode	Status	Device Name	Org	IP/Domain
1000003	● Online	172.10.1.202	root	172.10.1.202
1000002	● Online	37779	root	172.10.1.201
1000001	● Online	37778	root	172.10.1.201
1000000	● Online	37777	root	172.10.1.201

Figure 29-5

Step 2. Click Export, to export real-time device status PDF format, see Figure 29-6.

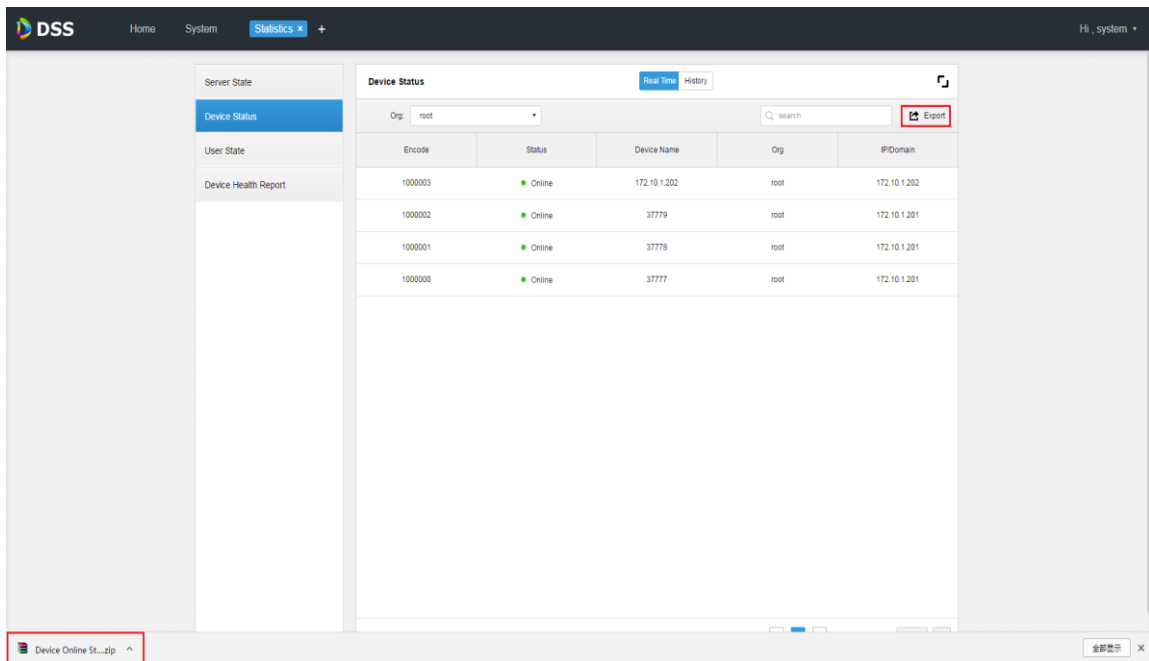


Figure 29-6

Step 3. Open export file, see Figure 29-7.

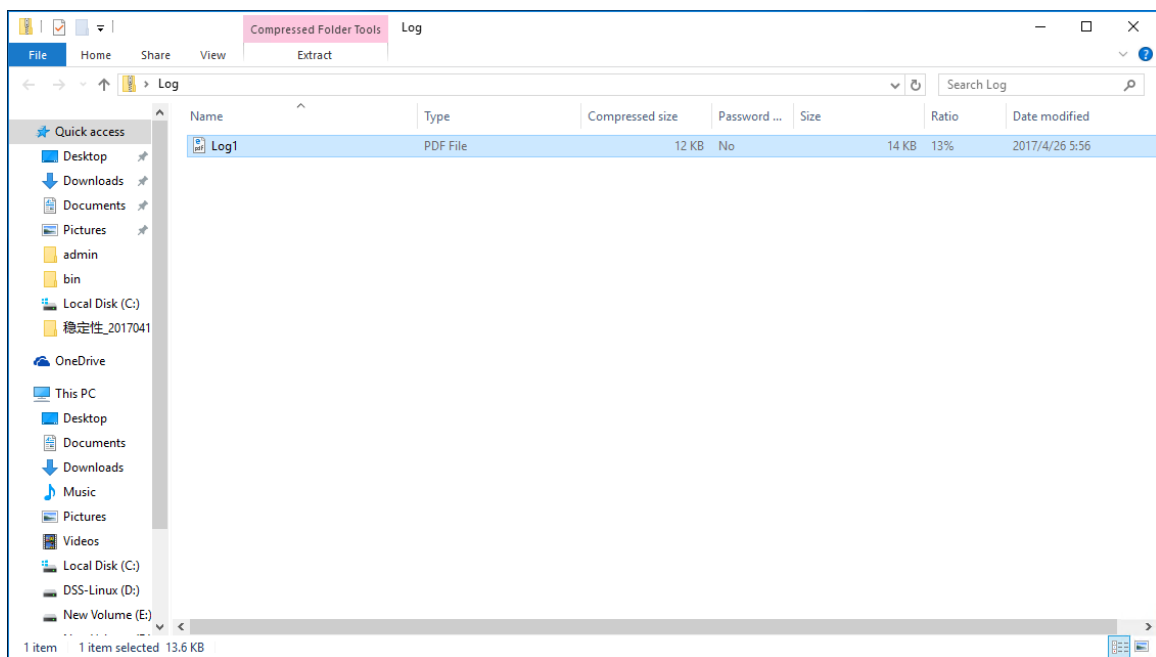


Figure 29-7

Step 4. Click History tab in device status interface to view device historical status, see Figure 29-8.

Server State		Device Status				
Device Status User State Device Health Report		Period: 2017-04-01 - 2017-04-07 Org: root <input type="text" value="search"/>				Export
Time	Status	Device Name	Org Name	IP/Domain		
2017-04-08 11:51:45	● Online	172.10.1.202	root	172.10.1.202		
2017-04-08 11:51:45	● Online	37779	root	172.10.1.201		
2017-04-08 11:51:45	● Online	37778	root	172.10.1.201		
2017-04-08 11:51:44	● Online	37777	root	172.10.1.201		
2017-04-08 11:51:17	● Online	172.10.1.202	root	172.10.1.202		
2017-04-08 11:51:17	● Online	37779	root	172.10.1.201		
2017-04-08 11:51:17	● Online	37778	root	172.10.1.201		
2017-04-08 11:51:16	● Online	37777	root	172.10.1.201		
2017-04-07 01:23:22	● Online	172.10.1.202	root	172.10.1.202		
2017-04-07 01:19:19	● Offline	172.10.1.202	root	172.10.1.202		
2017-04-07 01:19:16	● Offline	172.10.1.202	root	172.10.1.202		
2017-04-06 11:46:04	● Online	172.10.1.202	root	172.10.1.202		
2017-04-06 11:42:36	● Offline	172.10.1.202	root	172.10.1.202		
2017-04-06 11:42:33	● Offline	172.10.1.202	root	172.10.1.202		

Figure 29-8

Click user state, device health report tab to view corresponding details, which are skipped here.

29.4 Event Information

View statistics and processed alarm of alarm event by month, see Figure 29-9.

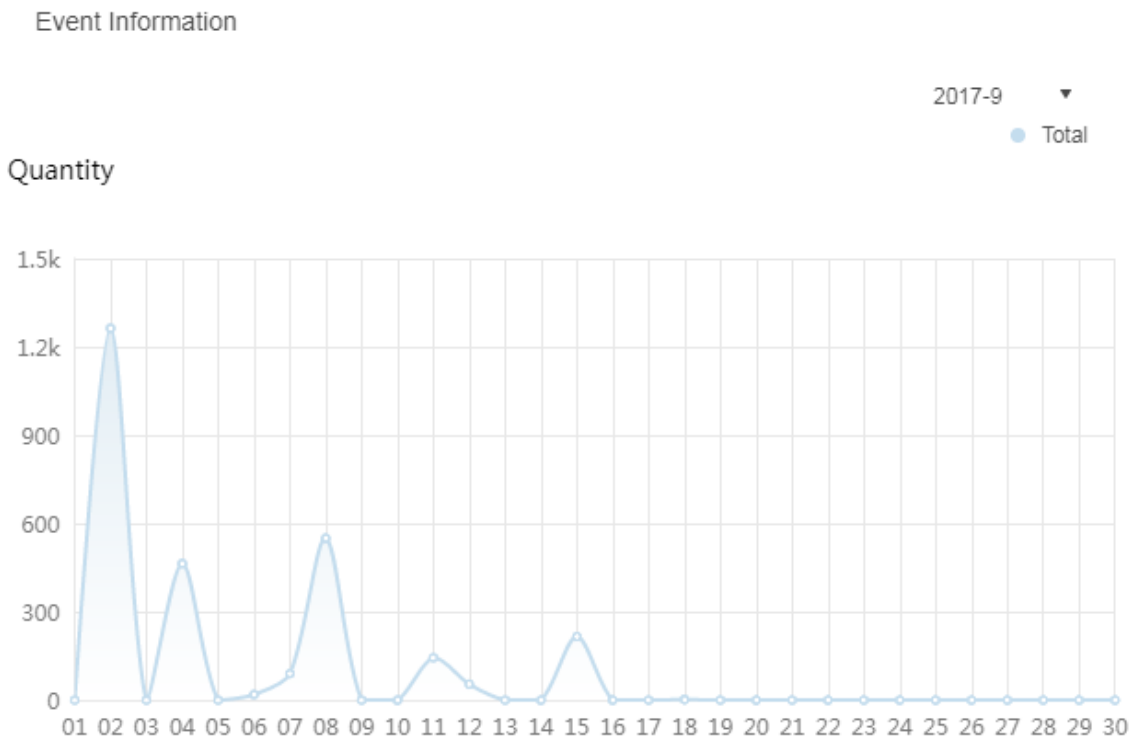


Figure 29-9

29.5 Source Info

View encoding channel and alarm channel statistics, click Source Info or icon below, go to detail page, see Figure 29-10.

Name	Device	Org	SN	Camera Type
wyHDVR_1	wyHDVR	root		Fixed Camera
wyHDVR_2	wyHDVR	root		Fixed Camera
wyHDVR_3	wyHDVR	root		Fixed Camera
wyHDVR_4	wyHDVR	root		Fixed Camera
wyHDVR_5	wyHDVR	root		Fixed Camera
wyHDVR_6	wyHDVR	root		Fixed Camera

Figure 29-10

Click Alarm tab to view alarm channel detail.

30 Sync Time

30.1 Device&Slave Server Sync Time


30.1.1 Function

Device sync time is to sync time on front-end device with platform server. DSS platform supports devices of Dahua, Hikvision and ONVIF protocol. You can view platform server time: DSS platform server installation time.

30.1.2 Principle

Both Dahua and Hikvision devices call related SDK interface to send command to device. Device executes the command and sends feedback to DSS server. Device of ONVIF protocol connects to device which receives sync time command sent from DSS server by calling ONVIF protocol interface. Device executes command and sends feedback to DSS server.

30.1.3 Config

Step 1. Click  next to Home, see Figure 30-1.

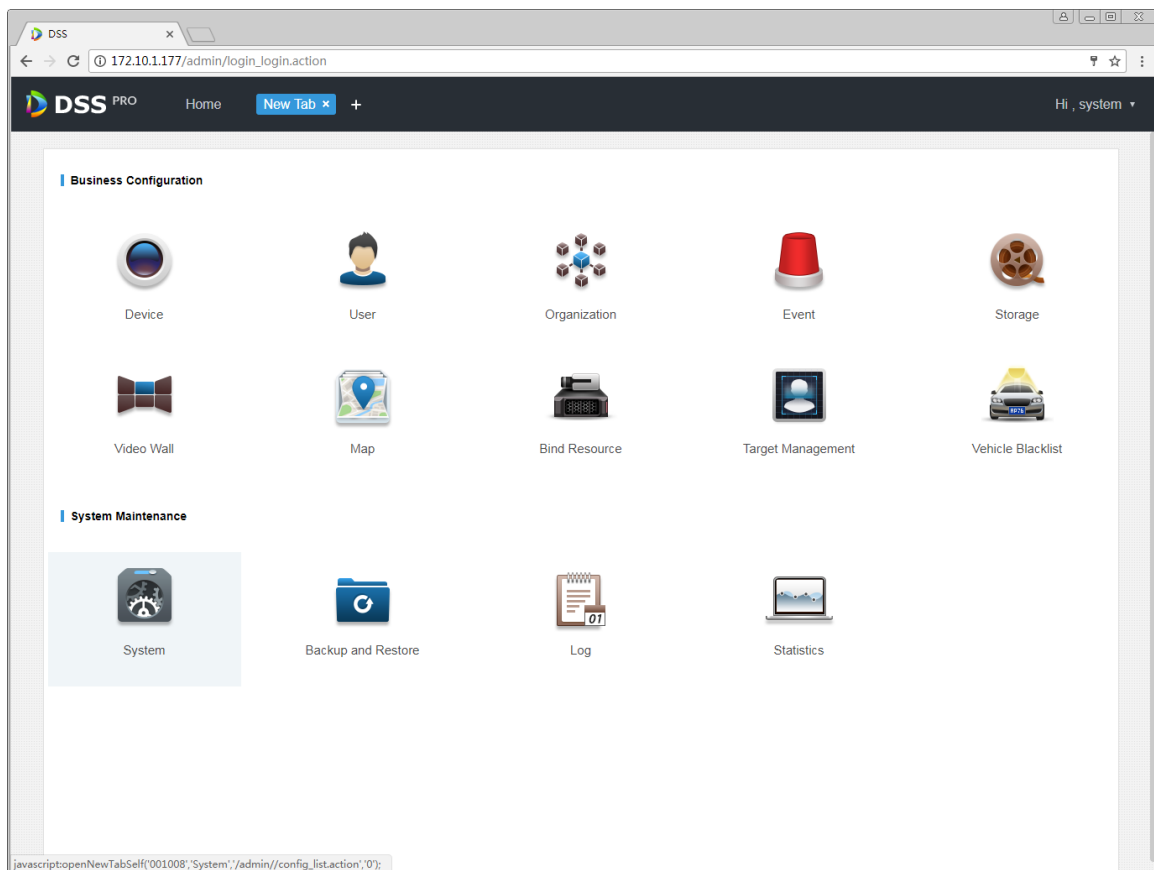


Figure 30-1

Step 2. Click Interval Setup tab, enable device time calibration, and set parameter, see Figure 30-2.

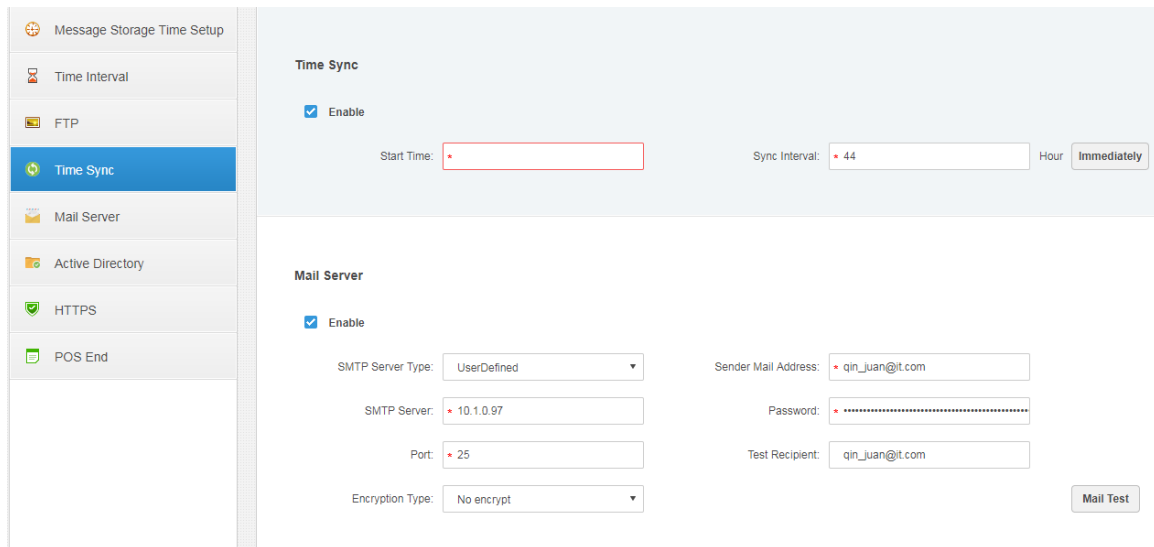
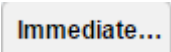


Figure 30-2

Note:

Start time can be selected in dropdown list, and you shall enter interval manually.

Step 3. Click  to sync time now.

Step 4. Click  to save.

30.2 Client Sync Time


30.2.1 Function

Client sync time is to sync DSS Client time with platform server. After sync time is enabled on Manager, sync time on Client is enabled as well, however, you must go to local config on Client to accept this sync separately before sync time on Client.

View client time: PC time where the DSS Client is installed.

30.2.2 Config

Step 1. Refer to Ch 18.1.3.

Step 2. Login in DSS Client, click  at the upper-right corner, open local config.

Step 3. Select General tab, enable net time, see Figure 30-3.

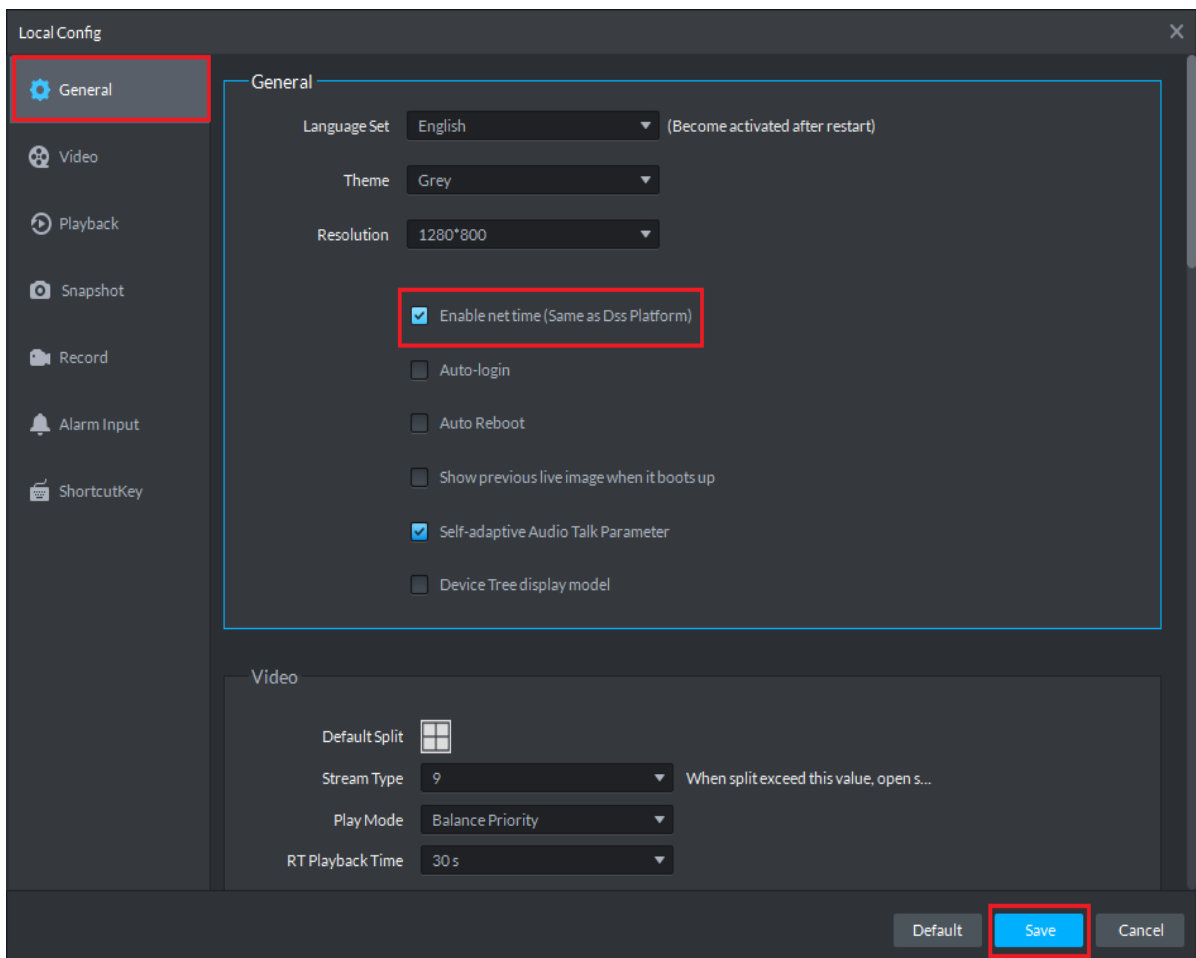


Figure 30-3

Step 4. Click Save.

Step 5. On Manager, click **Immediate...** button, then PC time where Client is installed will sync with DSS server time.

31 FTP

31.1 Usage

Enable FTP function on DSS server, which is mainly used to upload alarm snapshot to DSS platform. You can use DSS system self-carried FTP, or other FTP server you create.

31.2 Config

Step 1. Click **+** next to Home.

Step 2. Select System tab, see Figure 31-1.

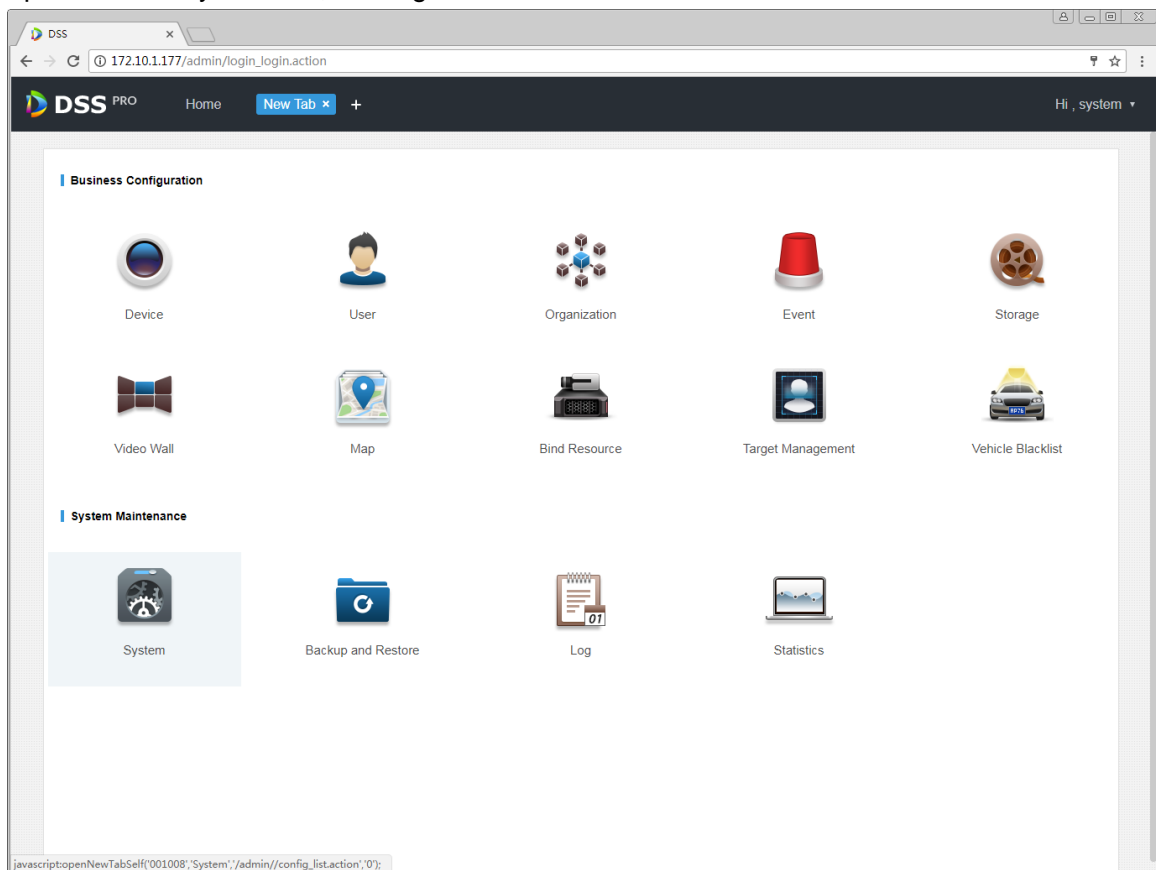


Figure 31-1

Step 3. Click FTP Setup tab, set FTP address and username, password.
See Figure 31-2.

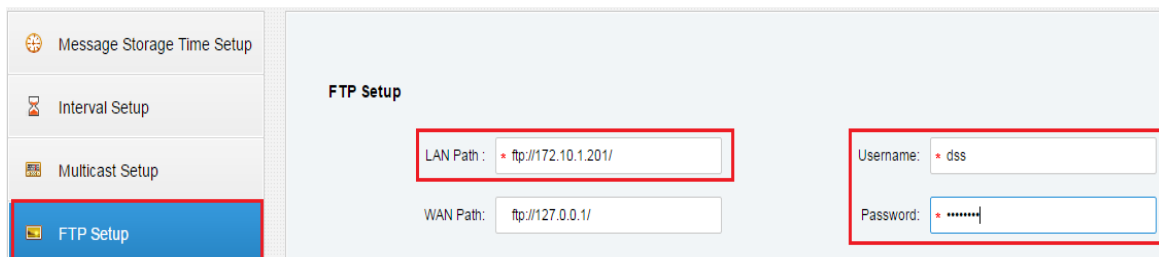


Figure 31-2

Note:

Item with * sign is mandatory, and FTP standard format is: ftp://x.x.x.x/. System self-carried FTP address is IP address of DSS server. Username and password are “dss” by default.

Step 4. Click  to save. See Figure 31-3.

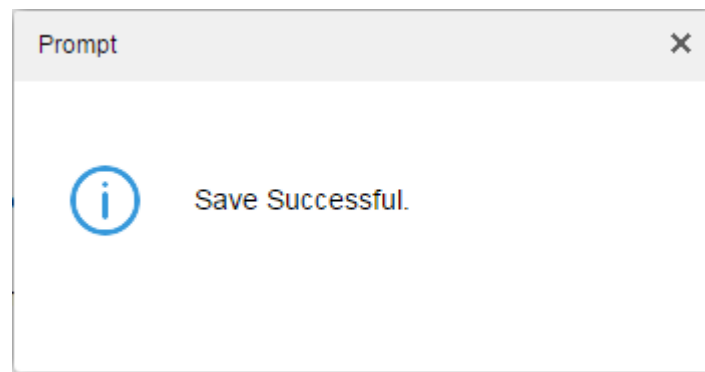


Figure 31-3

31.3 Usage Display

Step 1. On PC desktop, click My Computer.

Step 2. In address field, enter FTP address you set, such as ftp://172.10.1.201/, press Enter.
See Figure 31-4.

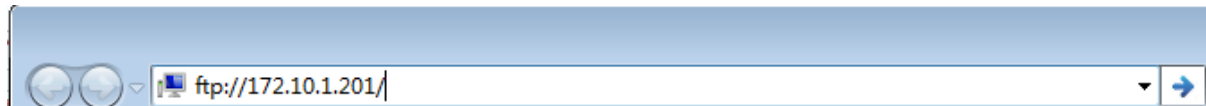



Figure 31-4

Step 3. After you press Enter, when the FTP is open, enter username and password. (default is dss/dss)

Step 4. Click Login, enter FTP directory.

32 Version

32.1 Client Version

Click  at the upper-right corner of DSS Client, select About, to view version as in Figure 32-1.

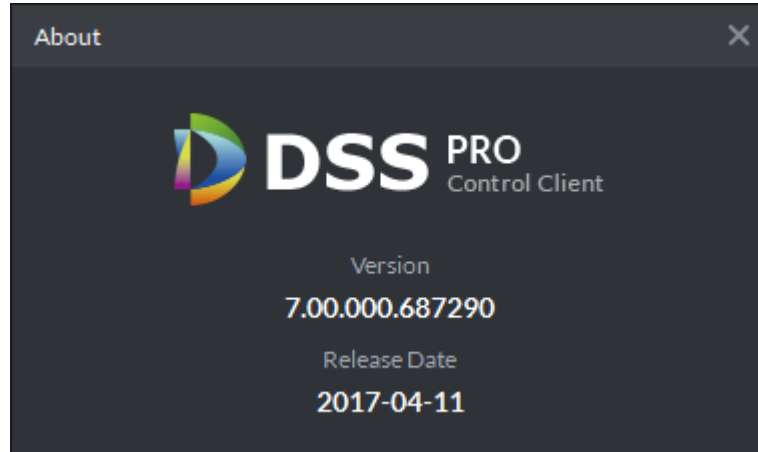



Figure 32-1

33 Naming Rule Setup

Click  at the upper-right corner of DSS Client, open Local Config interface. Click Snapshot and Record tab, you can set naming rule of snapshot and local record, see Figure 33-1.

Naming rule can be select from: channel name_time, channel no._time, time_channel and time_channel name.

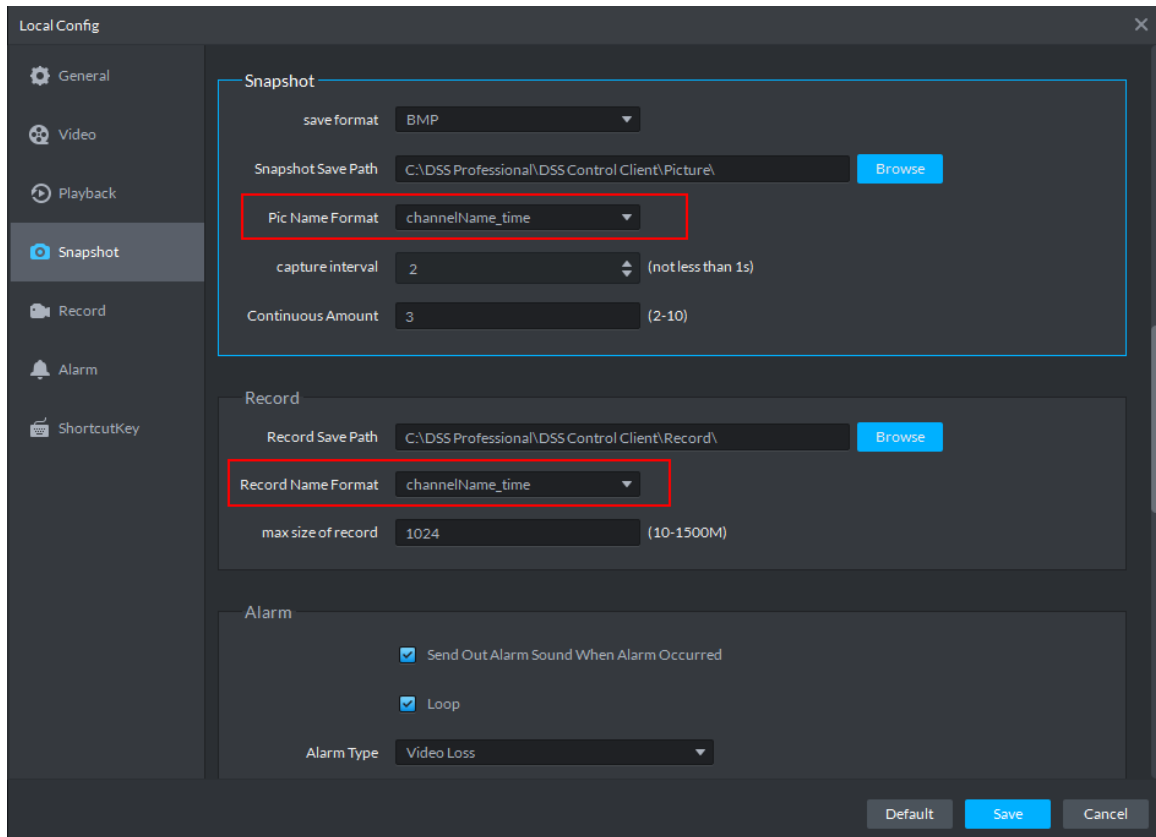



Figure 33-1

34 Path Setup

Click  at the upper-right corner of DSS Client, open Local Config interface. Click Snapshot and Record tab, you can view storage path of snapshot and local record, see Figure 34-1.

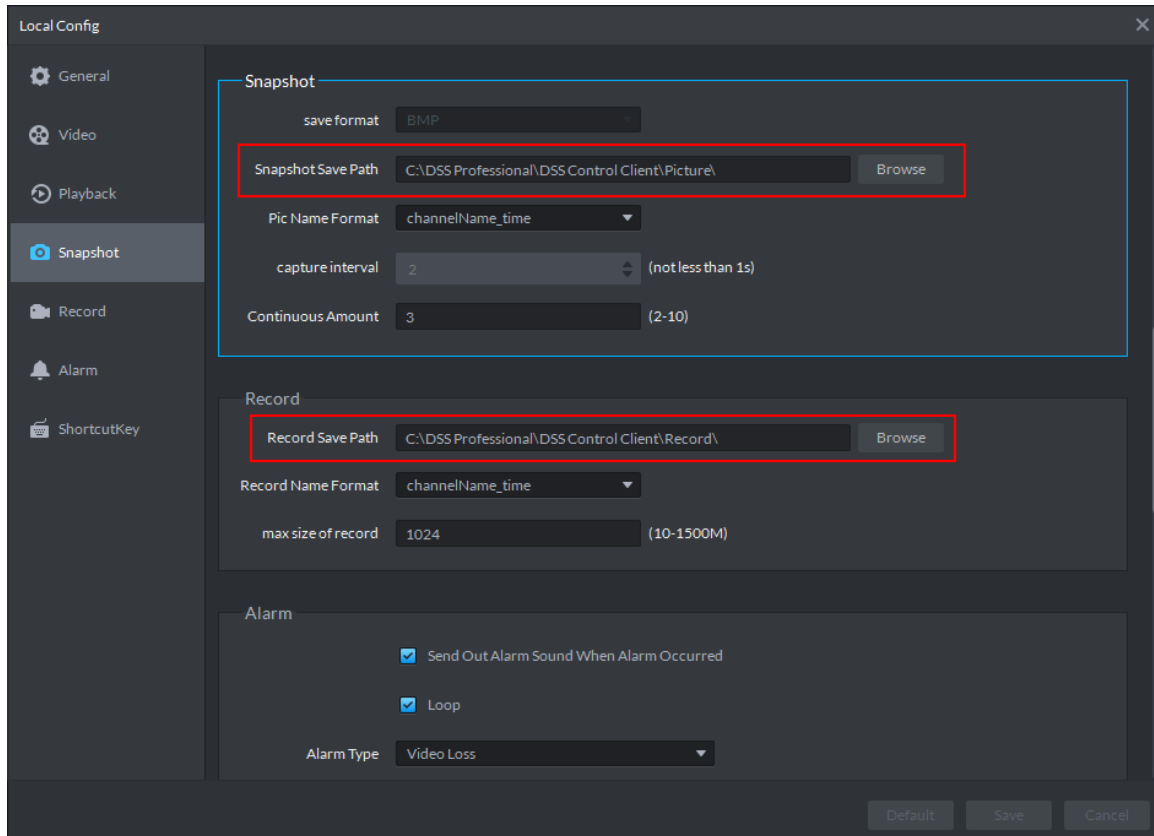



Figure 34-1

35 Help


In homepage of DSS Manager, you can view user's manual, mobile client manual and FAQ.



Add Device

Manually input device connection parameter, to add the device to the platform.


Add Device



Add User

Add user, and authorize the user with system permission.


Add User



Add Event

Add device or system events, and configure the corresponding link actions.

Configure Event



Set Record Plan

Configure the record plan of cameras.

Configure Record Plan

Overview

Status:	Online	Offline
Device:	28	8
User:	3	10
Service:	8	0
HDD	<div style="width: 100%;"><div style="width: 100%;"></div></div> 0G/0G	

License

Date: 2017-04-20. [Details of license](#)

Step 1: Export license request file.
Export trial request file.

Step 2: Contact sales person for license

Step 3: Import License File

Help

[User Manual](#)

[FAQ](#)

E-Mail: dss_support@dahuatech.com

36 Shortcut

Shortcut of PC is in Chart 36-1.

Function	Shortcut	Function	Shortcut
Wnd Move up	Up	Snap Single Wnd	P
Wnd Move down	Down	Snap pic	Ctrl+P
Wnd Move Left	Left	Local Record	Ctrl+R
Wnd Move Right	Right	PreSet1	1
Aperture-	Insert	PreSet2	2
Aperture+	Delete	PreSet3	3
Focus-	Home	PreSet4	4
Focus+	End	PreSet5	5
Wiper	PgUp	PreSet6	6
Light	PgDn	PreSet7	7
Open Single Wnd	L	PreSet8	8
Close Single Wnd	L	PreSet9	9
Open Full Screen	Ctrl+F	PreSet10	10
Close Full Screen	ESC		

Chart 36-1

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