

# **DSS-H Manager User's Manual**

**Version 1.0.0**

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## **Welcome**

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

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

Here you can find detailed operation information about DSS.

# 1 Overview and Environment

## 1.1 Overview

DSS-H is based on C/S structure, with core of intelligent construction security automation system business, integrating video monitoring, parking, all-in-one access control card and other businesses. The platform is based on E-map business, with multi-level link, integrated management and etc. It is designed as a professional platform product for intelligent construction operator or installer.

## 1.2 Requirement for Configuration

The requirement for PC configuration is as follows.

| Parameter | Definition   |
|-----------|--|
| Processor | Core 2 3.0   |
| Memory    | DDR3 2GB   |
| HDD       | >10GB  |
| OS        | Microsoft Windows XP SP3 (32 bit), Microsoft Windows 7                     |
| Explorer  | IE6, IE7, IE8  |
| Display   | 1024x768 and higher, 1280 x 1024 is recommended.<br>DirectX9.0c and higher |

Chart 1- 1

# 2Login System

## 2.1Login Interface

You can refer to the following steps to login DSS manager.

Step 1. In Internet Explorer, input IP address of DSS, press Enter. You will see Figure 2- 1.

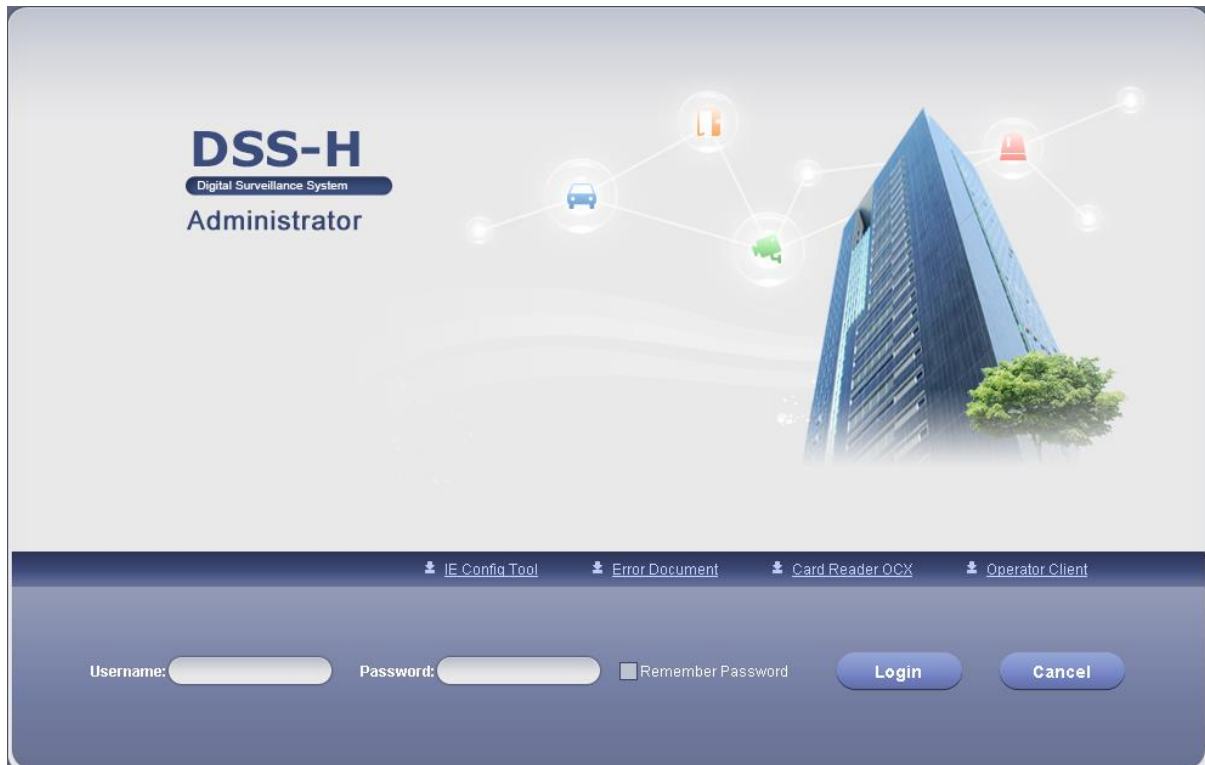


Figure 2- 1

Note:

In login interface, you need to click “Card Reader OCX” download to download and install the card reader control unit.

Step 2. Input Username and Password. Default username is: **system**. Default password is:**123456**.

If you check Remember Password, then you do not need to input password again at next login.

For security reason, please change your login password after you first login. Password can contains number, letter, underline and other symbols.

Step 3. Click Login.

After login, you will see Figure 2- 2.

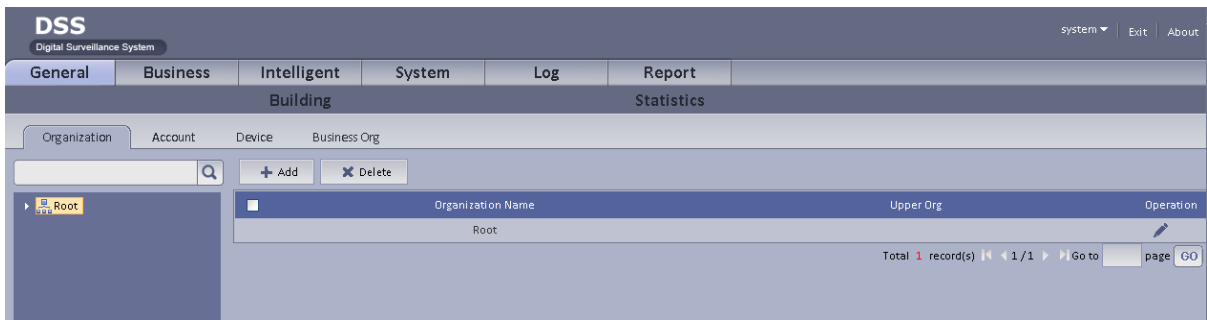



Figure 2- 2

Note:

- When you exit the system, click Exit in the upper-right corner. Click OK in the prompt box.

## 2.2 Modify Password

Step 1. Click  and select Modify Password in the upper right as in Figure 2- 3. System pops up Figure 2- 3.

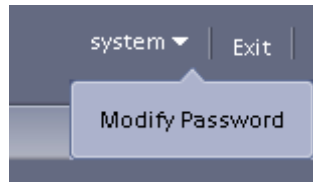


Figure 2- 3

System pops up Modify Password box, see Figure 2- 4.

Figure 2- 4

Step 2. Input old password, new password and confirm.

Step 3. Click OK.

# 3 System Settings

## 3.1 Configure System

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

Configure the system as follows:

Step 1. Select System > Parameters, you will see Figure 3- 1.

|   |   |  |
|---|---|--|
| <b>CMS</b>                              | IP:10.15.6.202 *                            | Port:9000 *                              |
| <b>PCS</b>                              | LAN IP:10.15.6.202 *                        | WAN IP: <input type="text"/> Port:9001 * |
| <b>Map Server</b>                       | LAN IP:10.15.6.202 *                        | WAN IP: <input type="text"/> Port:80 *   |
| <b>WEB Server</b>                       | LAN IP:10.15.6.202 *                        | WAN IP: <input type="text"/> Port:80 *   |
| <b>DDNS</b>                             | IP  | Port                                     |
|   | DDNS 1: <input type="text"/>                | <input type="text"/>                     |
|   | DDNS 2: <input type="text"/>                | <input type="text"/>                     |
|   | DDNS 3: <input type="text"/>                | <input type="text"/>                     |
|   | DDNS 4: <input type="text"/>                | <input type="text"/>                     |
| <b>Log</b>                              | Max Save Time:30 Day(s) *                   |  |
| <b>Alarm Info</b>                       | Max Save Time:30 Day(s) *                   |  |
| <b>Picture Record</b>                   | Max Save Time:1900 Day(s) *                 |  |
| <b>Sync Setup</b>                       | Enable: <input checked="" type="checkbox"/> | Sync Interval:2 Hour(s) *                |
| <b>Compulsive I Frame</b>               | Enable: <input checked="" type="checkbox"/> |  |
| <b>Alarm Picture FTP Server</b>         | LAN Path:ftp://10.15.6.202/alarm1 *         | Username:dss                             |
|   | WAN Path: <input type="text"/>              | Password: ●●●                            |
| <b>The 3rd Open Snapshot FTP Server</b> | Path:ftp://10.15.6.202/finance *            | Username:dss                             |
|   | WAN Path: <input type="text"/>              | Password: ●●●                            |
| <b>MCD Service Start Port</b>           | Start Port:10000 *                          |  |

Figure 3- 1

| Parameter |            | Note  |
|-----------|------------|---|
| CMS       | IP Address | IP address of manager server                |
|           | LAN Port   | LAN port of manager server, default is 9000 |

| Parameter                |               | Note   |
|--------------------------|---------------|--|
| PCS                      | LAN IP        | IP address of PCS  |
|                          | LAN Port      | LAN port of PCS, default is 9001   |
| E-map Server             | LAN IP        | LAN IP of e-map server.  |
|                          | WAN IP        | WAN IP of e-map server.  |
|                          | Port          | E-map server's port no., default is 80.  |
| WEB Server               | LAN IP        | LAN IP of WEB server.  |
|                          | WAN IP        | WAN IP of WEB server.  |
|                          | LAN Port      | Port of WEB server.  |
| DDNS Config              | IP            | Set DDNS IP and port.  |
|                          | Port          |  |
| Log                      | Max Save Time | Set max save time of log, default is 30 days   |
| Alarm Info               | Max Save Time | Set max save time of alarm info, default is 30 days  |
| Picture Record           | Max Save Time | Set max save time of picture.  |
| GPS                      | Max Save Time | Set max save time of GPS info.   |
| Sync Setup               | Server Sync   | If check this parameter, then enable server sync function.   |
|                          | Sync Interval | Subject to server time sync device and server time.<br>Default is 1 hour as every 1 hour; system is subject to server time and sync time with server.<br>Note:<br>Device and server sync time via SDK. |
| I Frame                  |               | If select "enable", then the device will be forced to have I frame, which can speed up open of video.  |
| Alarm Picture FTP Server | LAN Path      | FTP LAN address where to save alarm picture.   |
|                          | WAN Path      | FTP WAN address where to save alarm picture.   |

| Parameter                       |                   | Note   |
|---------------------------------|-------------------|--|
|                                 | Username/Password | Username and password to login FTP server  |
| Third Party Unlock Snapshot FTP | Path              | In A&C manager, the storage path of picture when third party unlocks.  |
|                                 | Username/Password | Username and password to login FTP server  |
| Org/Channel SN                  |                   | <ul style="list-style-type: none"> <li>• If check Start, organization and channel will have this SN.</li> <li>• If you do not check Start, this SN will not be display in organization manager and device manager.</li> </ul> <p>Default is enabled.</p> |


Step 2. Configure parameters.

Step 3. Click Submit.

### 3.2 Upload File

DSS Manager supports to upload file to central server.

Step 1. Select System >File.

Step 2. Click . See Figure 3- 2.

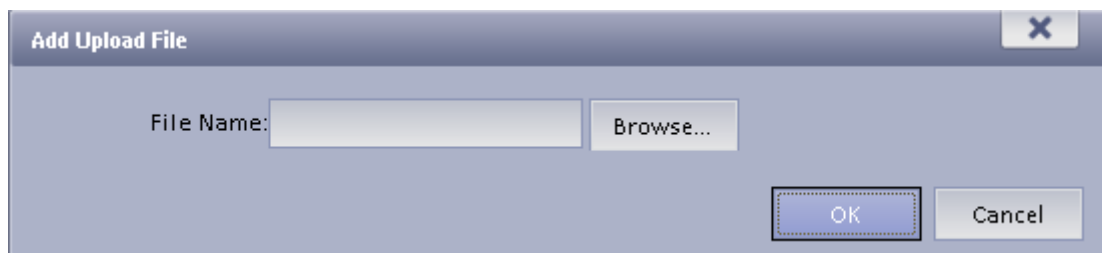


Figure 3- 2

Step 3. Click Browse and select file.

Step 4. Click OK.

# 4 Manage Device

DSS supports adding organization and different types of device.

## 4.1 Add Organization

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

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

Step 1. Select General > Org, see Figure 4- 1.

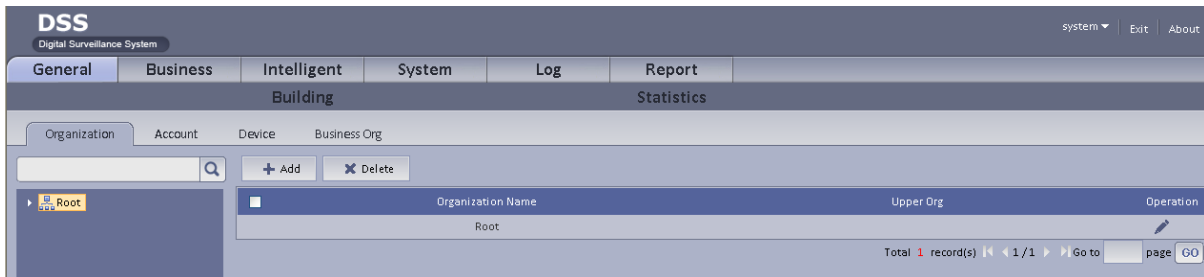



Figure 4- 1

Step 2. Click . System pops up a Edit Org box, see Figure 4- 2.

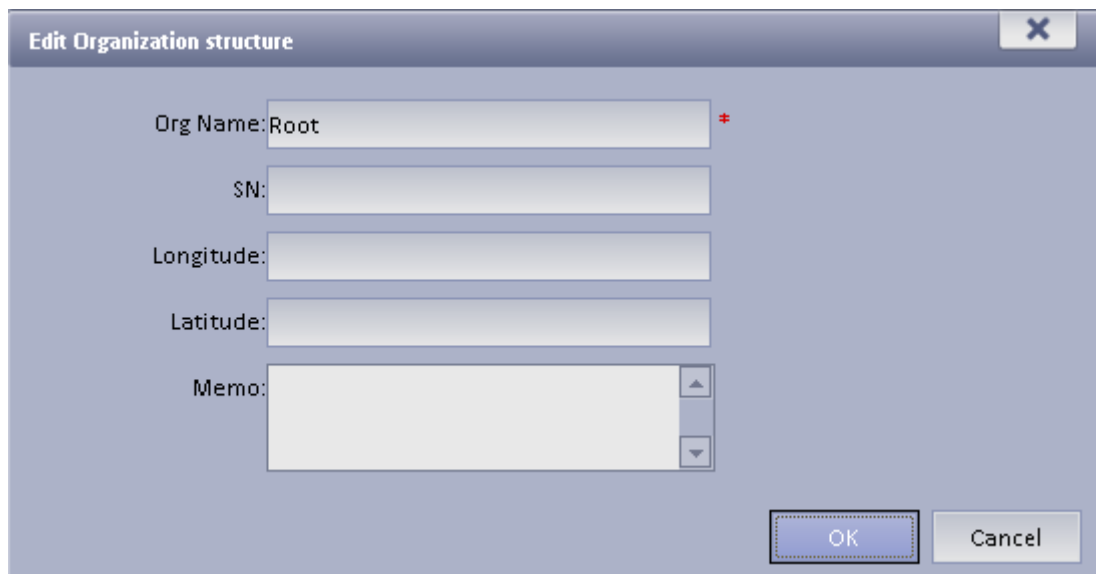


Figure 4- 2

Step 3. Edit Org Name, and click OK.

Step 4. Click . System pops up an Add Org box, see Figure 4- 3.

Figure 4- 3

| Parameter | Note   |
|-----------|--|
| Upper Org | Upper organization of current organization you want to add.  |
| SN        | Organization SN.   |
| Longitude | Longitude of the organization's actual geographic location. After it is configured, when enter E-map, system will display map making the organization's longitude as the center. |
| Latitude  | Latitude of the organization's actual geographic location. After it is configured, when enter E-map, system will display map making the organization's latitude as the center.   |

Step 5. You can enter designated Org Name and click OK. For multiple layers of organizations, you shall repeat these steps. See Figure 4- 4.

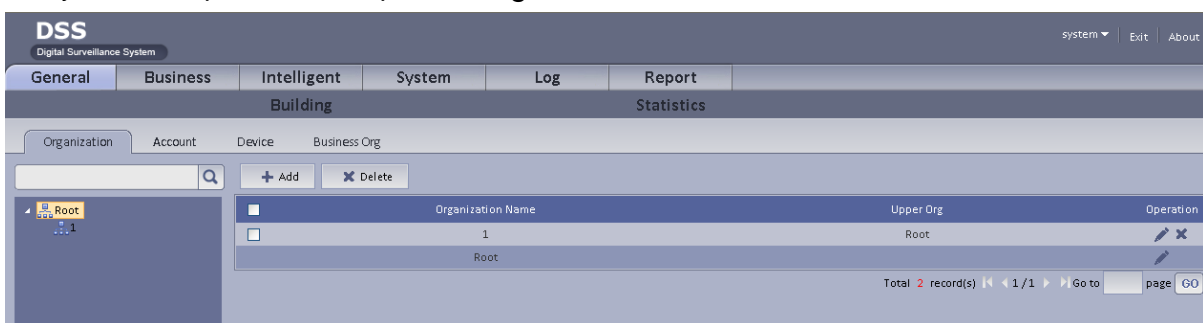


Figure 4- 4

Note:

You can only edit root node and the organization cannot be deleted.

## 4.2Add Device

You can add device in two ways:

- Device: Manage in device mode, where you can add, edit and delete devices, also you can configure and manage deployed devices.
- Channel: Manage in channel mode there you can view all devices' monitoring spot and alarm channel.

## 4.2.1 Add Encoder

DSS Manager supports manually adding encoder and auto search deployed encoder.

### 4.2.1.1 Manually Add

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



Step 2. Click



Step 3. Click . System displays Add Encoder box, see Figure 4- 5.

 The screenshot shows a web-based configuration window titled "Add Encoder". The window is divided into several sections:
 

- Input Info:** Contains radio buttons for "Add Type" (IP Address, IP Section, Domain Name, Auto Register, ONVIF). Below are text input fields for "Organization" (pre-filled with "Root"), "IP Address", "Device Port" (pre-filled with "37777"), "Username" (pre-filled with "admin"), and "Password" (masked with dots). A "Getting Info" button is located at the bottom right of this section.
- Device Details:** Contains text input fields for "Device Name", "Device SN", and "Device Memo". It also has dropdown menus for "Manufacturer" (pre-filled with "Dahua") and "Device Type" (pre-filled with "DVR"). To the right of these fields is a small image of a Dahua DVR device.
- Video Channel:** This section is currently selected and shows two "Channel" labels above input fields. The "Channel Amount" field is empty. To its right is a dropdown menu for "SS" (pre-filled with "SS") and a "Sub Stream" checkbox. Below these is a dropdown menu for "Third Party Stream" (pre-filled with "Gateway access, soft decoding").

Figure 4- 5

| Parameter     |                  | Note  |
|---------------|------------------|---|
| Add Type      |                  | <p>You can add device via the following methods:</p> <ul style="list-style-type: none"> <li>● IP Address: If the device has static IP address, you can add device with its IP address.</li> <li>● IP Section: If there are multiple devices with continuous IP address, such as 192.168.1.50 ~ 192.168.1.100, and their port no., channel number and other parameters are the same, you can add these devices as batch by entering starting IP and end IP.</li> <li>● Domain Name: If you do not know IP the device, you can its domain name.</li> <li>● Auto Register: When front-end device has dynamic IP address or in LAN, you shall add device via auto register. For example, add mobile device via auto register.</li> <li>● ONVIF: When device supports ONVIF protocol, you can add device via ONVIF.</li> </ul> |
| Organization  |                  | Device organization.<br>Click the box, you can select organization in pop-up window.  |
| IP Address    |                  | IP address of the device.   |
| Device Port   |                  | Device port no. Default is 37777.   |
| Username      |                  | Username to login device WEB.   |
| Password      |                  | Password to login device.   |
| Getting Info  |                  | Click it to get info of device video channel, alarm input channel and output channel.   |
| Device Name   |                  | Set device name.  |
| Device SN     |                  | SN of the device  |
| Video Channel | Device Amount    | <p>Actual number of channels, ranging from 1 to 255.</p> <p>Note:<br/>After you save the parameter, you may not change it.</p>  |
|               | Storage Playback | Used for playback of A/V central data and playback of front-end record.   |

| Parameter           |                    | Note  |
|---------------------|--------------------|---|
|                     | Support Sub Stream | If you select this parameter, then it enabled right of device sub stream. Otherwise, it disables right of device sub stream.  |
|                     | Enable All         | <ul style="list-style-type: none"> <li>● If select this parameter, then enable all channels of the device.</li> <li>● If not select this parameter, then not enable channel of the device and cannot preview at Client.</li> </ul> <p>By default, enable all is checked and is recommended.</p>   |
|                     | Channel Name       | Name of channel.  |
|                     | Camera Type        | Type of camera in the channel.  |
|                     | Channel Config     | <p>Configure DB33 property and others. After config, you can achieve:</p> <ul style="list-style-type: none"> <li>● On Operator-end, go to Live Preview interface and right click channel and select channel info to view channel info.</li> <li>● On Operator-end, go to E-map and search via filter and see the device displayed.</li> </ul> |
| Alarm Input Channel | Channel Amount     | <p>Actual number of channels, ranging from 1 to 255.</p> <p>Note:</p> <p>After you save the parameter, you may not change it.</p>   |
|                     | Enable All         | <ul style="list-style-type: none"> <li>● If select this parameter, then enable all channels of the alarm input device.</li> <li>● If not select this parameter, then not enable channel of the alarm input device and cannot preview at Client.</li> </ul> <p>By default, enable all is checked and is recommended.</p>                       |
|                     | Channel Name       | Name of alarm channel.  |
|                     | Alarm Type         | Type of alarm camera in the channel. Reserved text, currently not available for config.   |
|                     | Alarm Level        | Alarm level of the channel. Level 1 is the highest and level 3 is the lowest.   |

| Parameter            |                | Note   |
|----------------------|----------------|--|
| Alarm Output Channel | Channel Amount | Actual number of channels, ranging from 1 to 255.<br>Note:<br>After you save the parameter, you may not change it.   |
|                      | Enable All     | <ul style="list-style-type: none"> <li>● If select this parameter, then enable all channels of the alarm output device.</li> <li>● If not select this parameter, then not enable channel of the alarm output device and cannot preview at Client.</li> </ul> By default, enable all is checked and is recommended. |
|                      | Channel Name   | Name of alarm channel.   |

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

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

Step 5. Click OK as finishing adding encoder.

#### 4.2.1.2 Auto Search

System automatically adds encoder as follows:

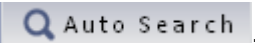
Step 1. Click . System auto searches the device and the result shall look like

Figure 4- 6.



Figure 4- 6

- Click to edit device info.
- Enter IP address in IP field and click Search to search IP within the range.

Step 2. Check device to add, and click Add .System pops up a Add Encoder box, see Figure 4- 7.

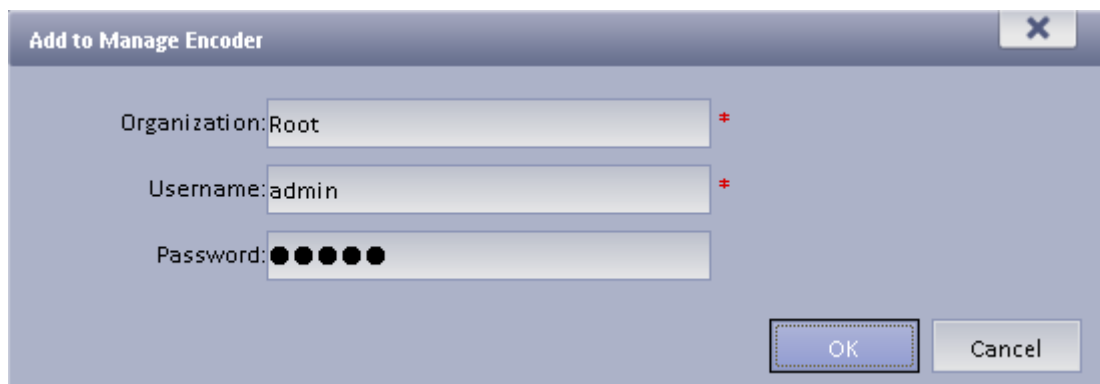




Figure 4- 7

Step 3. Select Org, input username and password. Username and password is the login username and password of device. Default username and password is admin/admin.

Step 4. Click OK.

When device status switches from  to  as in Figure 4- 8. You also can view added device by selecting Controlled Status in the upper-right corner in Auto Search Encoder interface.



The screenshot shows the 'Auto Search Encoder' window. At the top, there are buttons for 'Add' and 'Search', a text field for 'Net Segment e.g. 10.24.15.67/16', and a 'Display:' dropdown menu set to 'Controlled'. Below this is a table with columns: Status, Name, Manufacturer, Model, Type, IP Address, Port, and Operation. The table contains 12 rows of device records, all with a status of a locked padlock icon. At the bottom right of the table area, it says 'Total 12 record(s)' and has pagination controls. A 'Close' button is located at the bottom right of the window.

| Status | Name            | Manufacturer | Model | Type | IP Address    | Port  | Operation |
|--------|-----------------|--------------|-------|------|---------------|-------|-----------|
|        | PZC4DA296W00478 | Dahua        |       | IPC  | 10.15.1.65    | 37777 |           |
|        | 10.15.1.89      | Dahua        |       | DVR  | 10.15.1.89    | 37777 |           |
|        | 1E003B2PAU00017 | Dahua        |       | IPC  | 10.15.1.98    | 37777 |           |
|        | NVR             | Dahua        |       | NVR  | 10.15.135.108 | 37777 |           |
|        | HFW4221         | Dahua        |       | IPC  | 10.15.135.123 | 37777 |           |
|        | 1B00B1FYAZ00020 | Dahua        |       | IPC  | 10.15.33.34   | 37777 |           |
|        | 10.15.5.109     | Dahua        |       | DVR  | 10.15.5.109   | 37777 |           |
|        | 1A004AFPAY00041 | Dahua        |       | IPC  | 10.15.5.151   | 37777 |           |
|        | 1A03AF1PAY00007 | Dahua        |       | IPC  | 10.15.5.227   | 37777 |           |
|        | HCVR7808S       | Dahua        |       | DVR  | 10.15.5.82    | 40003 |           |
|        | HCVR            | Dahua        |       | DVR  | 10.15.5.88    | 37777 |           |
|        | 10.15.58.90     | Dahua        |       | DVR  | 10.15.58.90   | 37777 |           |

Figure 4- 8

Step 5. Click Close.

System will add the device into corresponding organizations.

#### 4.2.1.3 Add Onvif Device

Step 1. Login device and connect it to gateway.

1. In IE address field, input device IP address connected to gateway, and press Enter. Format is "2.1Login Interface."
2. Enter username and password. Default username and password are both "admin".
3. Click Login. System shows login interface. By default, it goes to device manager interface.

Step 2. Add Onvif device into device and connect to gateway.

1. Click Add in Device interface. A window pops up.
2. Select manufacturer as Onvif.

| Parameter         | Note  |
|-------------------|---|
| Custom Name       | Set device name.<br>Value range: 1~64 characters (not include space) .  |
| Manufacturer Type | Device manufacturer type.   |
| Proxy Port        | Device proxy port.<br>Proxy port cannot repeat existing proxy port.<br>Value range: whole number within 1024~65535. |
| Device IP         | Onvif device IP address.  |
| Device Port       | Onvif device port no.   |
| Device Username   | Username to login Onvif device.   |
| Device Password   | Corresponding password of above username.   |

3. Enter custom name, proxy port, device IP, device port, device username and password, and select device type.
4. Click OK.
5. Click Refresh.  
System shows online device.

For more information about device connecting to gateway, please refer to Device Connecting to Gateway AGS8100 User's Manual.

Step 3. Add device connecting to gateway into DSS-H.

## 4.2.2 Add Decoder

DSS Manager supports manually adding decoder and auto search deployed decoder. Please refer to Ch 4.2.1.

When you add decoder, please refer to Chart 4- 1.

| Parameter       |                | Note  |
|-----------------|----------------|---|
| Decoder Channel | Channel Amount | Actual channel number of the device, ranging from 1 to 255.<br>Note:<br>After you save the parameter, you may not change it.  |
|                 | Decode Mode    | Decode mode has direct and pull. <ul style="list-style-type: none"> <li>● Direct: decoder obtain bit stream from device directly.</li> <li>● Pull: decoder obtain bit stream from device via DSS server.</li> <li>● Push: DSS platform returns bit stream to decoder.</li> </ul> Default is pull. |

Chart 4- 1

## 4.2.3 Add Video Wall

By adding video wall device, it can output to video wall and achieve multi-window splicing. DHH Manager supports to manually add matrix device. Please refer to Ch 4.2.1.1.

## 4.2.4 Add Alarm Host

Manager-Device –Alarm Controller. Click Add, the following box pops up, see Figure Figure 4-9.

The screenshot shows a software dialog box titled "Add Alarm Host". It is organized into three main sections. The top section, "Input Info", includes text boxes for "Organization" (filled with "Root"), "Username" (filled with "admin"), "Password" (masked with dots), "Proxy Port" (filled with "45565"), "IP Address", and "Device Port" (filled with "37777"). A dropdown menu for "Related Service" is set to "MCD\_ALARM". The middle section, "Device Details", features a "Device Name" text box, a "Manufacturer" dropdown (set to "Dahua"), a "Device Model" dropdown (set to "DH6060MH"), a "Device SN" text box, and a "Device Memo" text area. To the right of these fields is a placeholder image of a Dahua alarm device. The bottom section has two tabs: "Alarm Input Channel" (selected) and "Alarm Output Channel". Below the "Alarm Input Channel" tab is a "Channel Amount" text box. At the bottom right of the dialog are "OK" and "Cancel" buttons.

Figure 4- 9

IP and device port are by default, proxy port program is auto generated without need to modify, server select MCD\_ALARM, username and password by default is admin/admin, current device model in general is DH-AF6016. Channel number is filled according to actual channel.

**Add Alarm Host**

**Input Info**

Organization: Root \*

Username: admin \*

Related Service: MCD\_ALARM \*

Password: \*\*\*\*\*

Proxy Port: 45565 \*

IP Address: \*

Device Port: 37777 \*

**Device Details**

Device Name: \*

Manufacturer: Dahua

Device Model: DH6060MH

Device SN:

Device Memo:

**Alarm Input Channel / Alarm Output Channel**

Channel Amount:

OK Cancel

Figure 4- 10

Click OK, configuration is successful.

Manager-Business-Alarm Control, click config, then bind config channel and video channel. In Client, user can manage alarm on alarm controller, and real-time monitor video on alarm controller, see **Error! Reference source not found.**

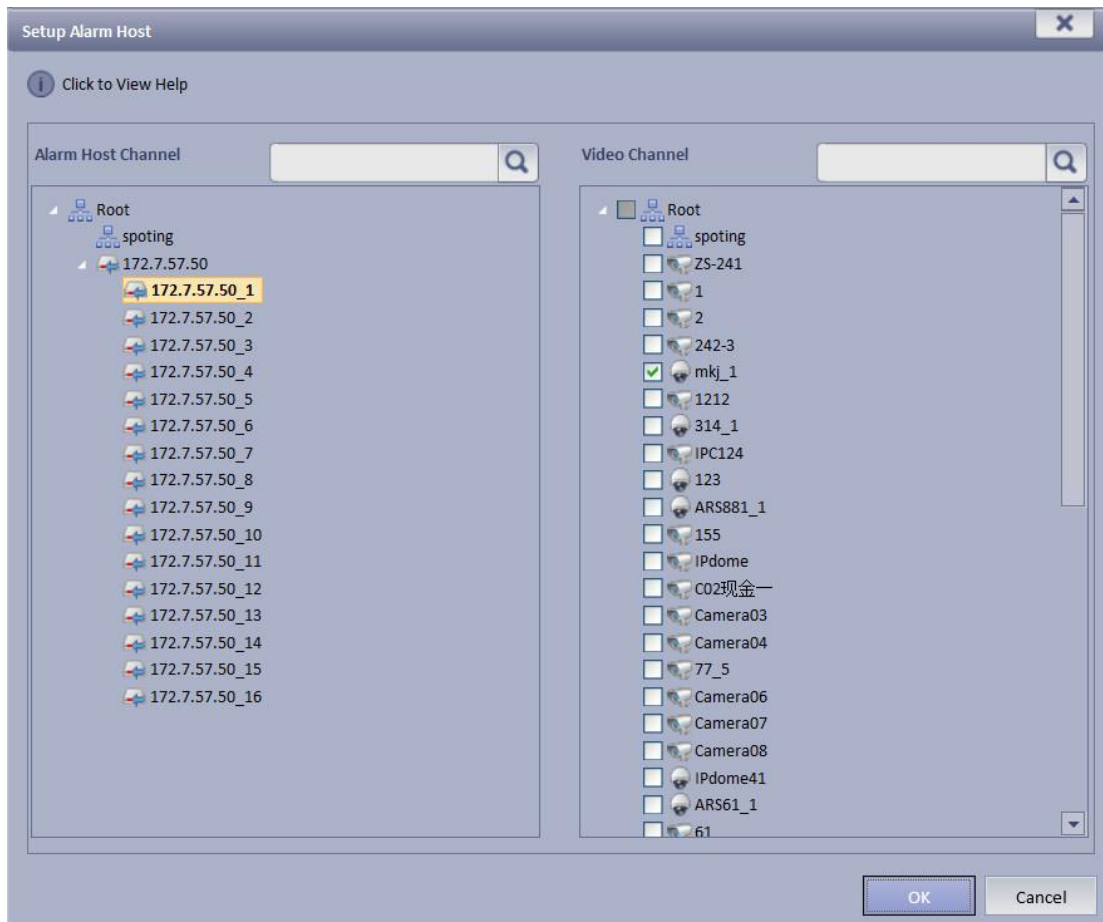


Figure 4- 11

Click OK, configuration is successful.

## 4.2.5 Add ANPR Device

### 4.2.5.1 Manually Add ANPR Device

DSS supports Manager to manually add ANPR device. Please refer to Ch 4.2.1.1.

When you add ANPR device, you shall pay attention to the following chart.

| Parameter                       | Note   |
|---------------------------------|--|
| ANPR Picture Forwarding Service | Used to forward ANPR picture. Default is "PTS".  |
| Enable All                      | <ul style="list-style-type: none"> <li>If you select this parameter, then you will enable all channels of this device.</li> <li>If you do not select this parameter, then it will not enable channel of the device, and you cannot live preview and monitor road on Operator end.</li> </ul> Default is to check "enable all". Default value is recommended. |

| Parameter               | Note  |
|-------------------------|---|
| Type                    | You may select the following parameter: <ul style="list-style-type: none"> <li>Picture channel: If you select this parameter, then this ANPR device will be shown in Operator end "ANPR monitor &gt; Road monitor" device list, and monitor in picture format only.</li> <li>Picture video hybrid channel: If you select this parameter, then this ANPR device will be shown in Operator end "Surveillance&gt;Live Preview" and "ANPR Monitor &gt; Road Monitor" device list, as monitor in video format for live preview, or in picture format for road monitoring.</li> </ul> |
| Lane No.                | Lane no. monitored by this ANPR device.   |
| Direction               | Driving direction of lane monitored by this ANPR device.  |
| SN                      | SN of channel. Generated automatically by the system.   |
| Large Vehicle Min Speed | Min speed of large vehicle allowed by the lane monitored by ANPR device.  |
| Large Vehicle Max Speed | Max speed of large vehicle allowed by the lane monitored by ANPR device.  |
| Small Vehicle Min Speed | Min speed of small vehicle allowed by the lane monitored by ANPR device.  |
| Small Vehicle Max Speed | Max speed of small vehicle allowed by the lane monitored by ANPR device.  |

#### 4.2.5.2 Add Illegal Parking Detection Device

DSS Manager supports to add illegal parking detection device. After the device is added, you can configure illegal parking snapshot alarm scheme on DSS Client, so when a vehicle is parked at a invalid location, it will alarm.

About how to configure illegal parking snapshot alarm scheme, please refer to DSS-H Client User's Manual Ch 7.2.

To add illegal parking snapshot device:

Step 1. Click Device>ANPR Device, click Add. System shows Add box.

Step 2. Configure parameter.

For detailed parameter information, please see Manually Add ANPR Device. You must pay attention to the following parameters:

- Device Model: select Dahua IVS-T7004 series (optional).
- Device Type: select illegal parking detection device.

Step 3. Click OK.

Step 4. Refresh the page, the added device will be shown.

#### 4.2.5.3 Add AUX ANPR Device

DSS Manager supports to add AUX ANPR device.

After AUX ANPR device is added, you can configure intelligent channel on DSS Client, and snapshot live picture in Road Monitor, to get plate, brand and vehicle color.

To add AUX ANPR device:

Step 1. In Device>ANPR Device, click Add.

System shows Add box.

Step 2. Configure parameter.

For detailed parameter information, please see Manually Add ANPR Device. You must pay attention to the following parameters:

- Device Model: select Dahua IVS-T7004 series (optional).
- Device Type: select intelligent identification device.

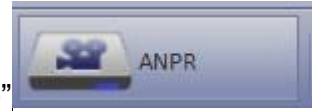
Step 3. Click OK.

Step 4. Refresh the page, the added device will be shown.

#### 4.2.5.4 Add Entrance/Exit Snapshot Device

DSS-H Manager supports to add entrance/exit snapshot device. After the device has been added, you can login DSS-H paid client and application of parking lot. Parking lot application will be introduced later.

To add entrance/exit snapshot device:



Step 1 Click "Add" in "Device > ANPR Device"

System pops up Add ANPR Device box.

Step 2 "Device Model" select "Dahua Smart Camera".

Step 3 "Device Type" select "Entrance/Exit Snapshot Device".

See Figure 4-12

 The screenshot shows a software window titled "Edit ANPR Device". It is divided into three main sections:
 

- Input Info:** Contains fields for "Add Type" (radio buttons for "IP Address" and "Auto Register"), "Organization" (text: "Root"), "IP Address" (text: "172.7.57.241"), "Device Port" (text: "37778"), "Username" (text: "hw"), and "Password" (masked with dots).
- Device Details:** Contains "Device Name" (text: "ZS-241"), "Manufacturer" (dropdown: "Dahua"), "Device Model" (dropdown: "Dahua Smart Camera", highlighted with a red box), "Device Type" (dropdown: "Entrance&Exit Snapshot Device", highlighted with a red box), "Device SN", and "Device Memo". To the right is a placeholder image of a camera.
- Channel:** Contains "SS" (dropdown: "SS"), "ANPR Pic Transfer" (dropdown: "PTS"), "Channel Amount" (text: "1"), "Sub Stream" (checkbox), "Enable ALL" (checkbox), "1 Channel" (text: "ZS-241"), "Lane No" (dropdown: "Lane 1"), "Camera Type" (dropdown: "Fixed Camera"), "Direction" (dropdown: "Exit"), "Type" (dropdown: "Video and Picti"), "Truck Min Speed", "Truck Max Speed", "Car Min Speed", "Car Max Speed", "SN" (text: "240014"), "Lane Line Config" button, and "Setup" button.

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

Figure 4- 12

Step 4 Click “OK”.

You can view the device in ANPR device as successfully added.

You can configured entrance/exit device on to map, by dragging the device channel to map, in order to know the detailed position of device.

Step 1 In“Business-Map-ITC” select added entrance/exit snapshot device channel, click position you want to place the device on map, see Figure 4-13.

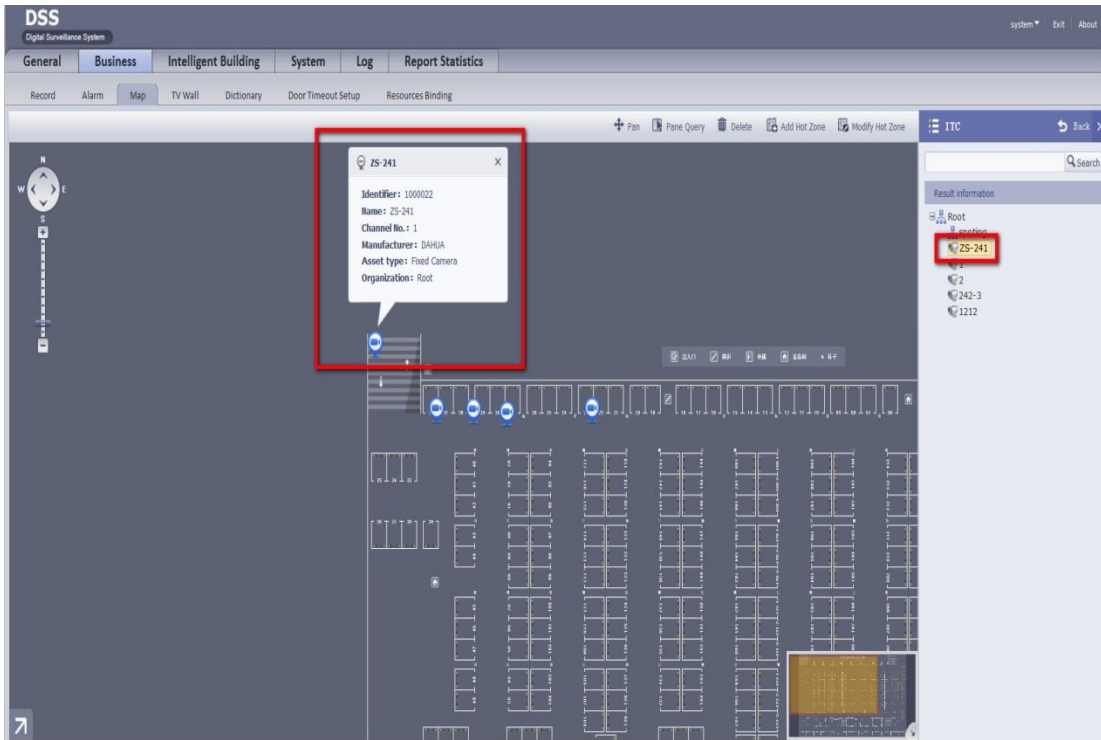


Figure 4- 13

Meantime on Client, Map will update immediately, see Figure 4-14.

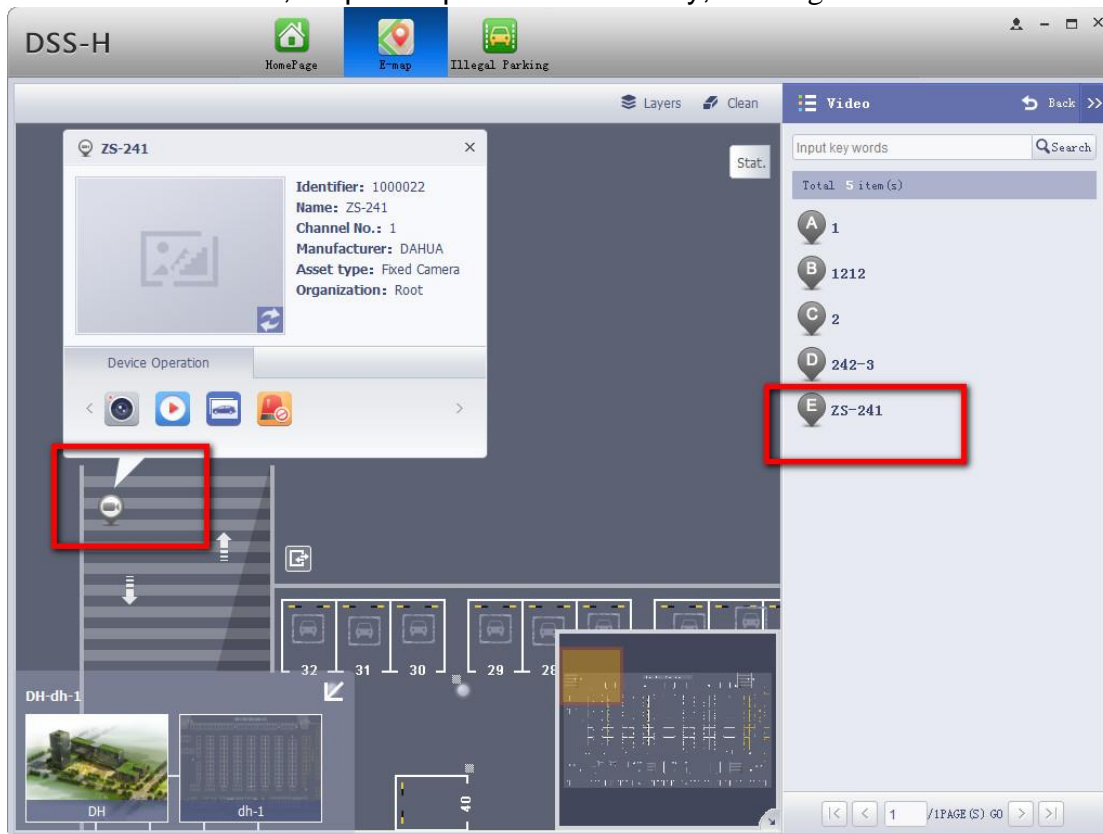


Figure 4- 14

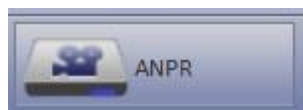
When it is grey, it represent offline device, and when it is blue, it represent online device.

#### 4.2.5.5 Add Parking Detection Device

DSS-H Manager supports to add parking detection device.

After parking detector has been added, you can configure it in DSS-H Manager map, so you can use it in Map parking lot management on Client. Parking lot content will be introduced later.

To add parking lot detection device:



Step 1 In "Device > ANPR Device" click "Add".

System pops up "Add ANPR Device" box.

Step 2 "Device Model" select "Dahua Smart Camera Series".

Step 3 "Device Type" select "Parking Detection Device".

See Figure 4-15.

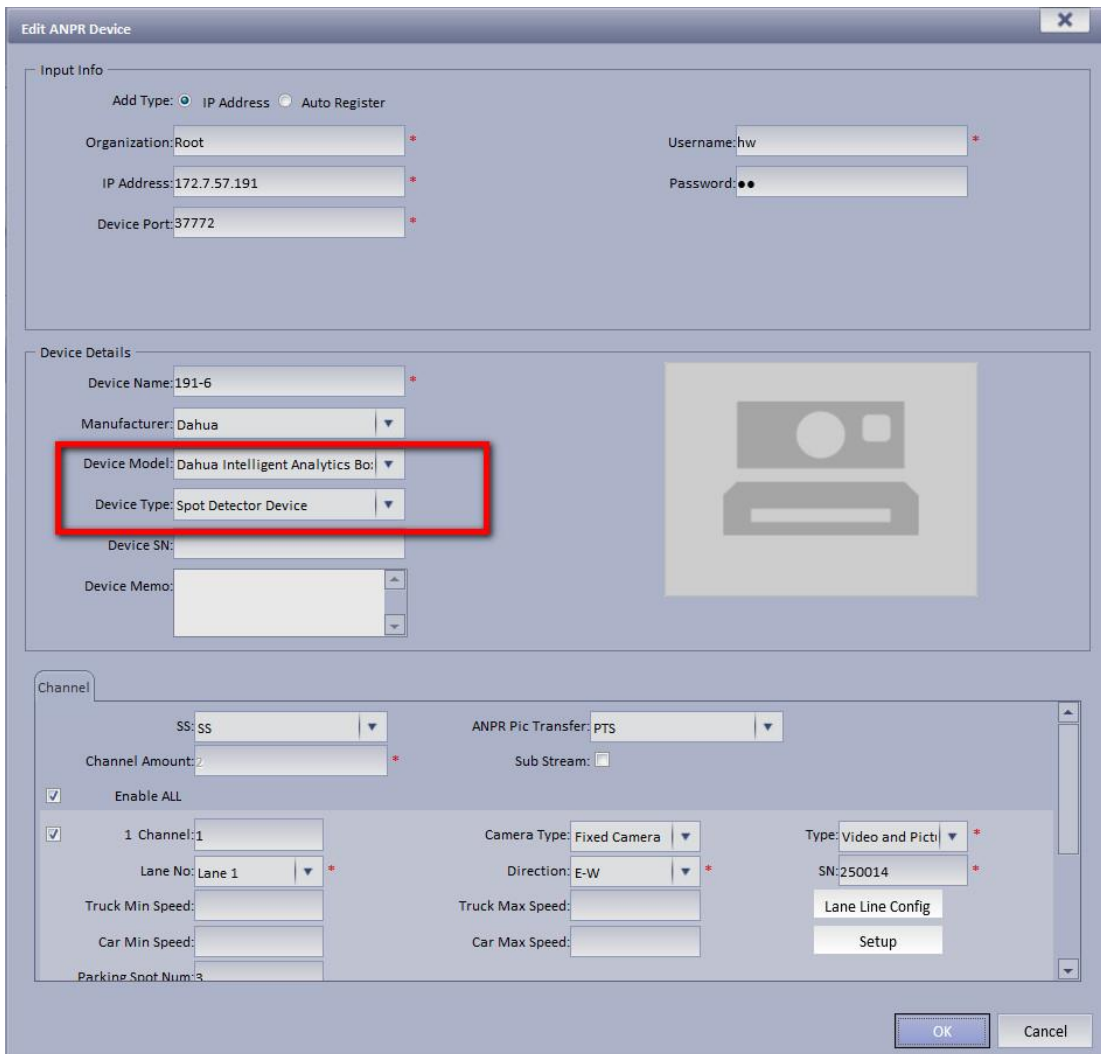


Figure 4- 15

Click “OK”.

You can view the device in ANPR device as successfully added.

Meantime you can place configured parking detection device onto map, and drag device channel to map in order to know the detailed position of device.

Step 1 In“Business-Map-ITC” select added entrance/exit snapshot device, click mouse and drag device to designated position on map, see Figure 4-16.

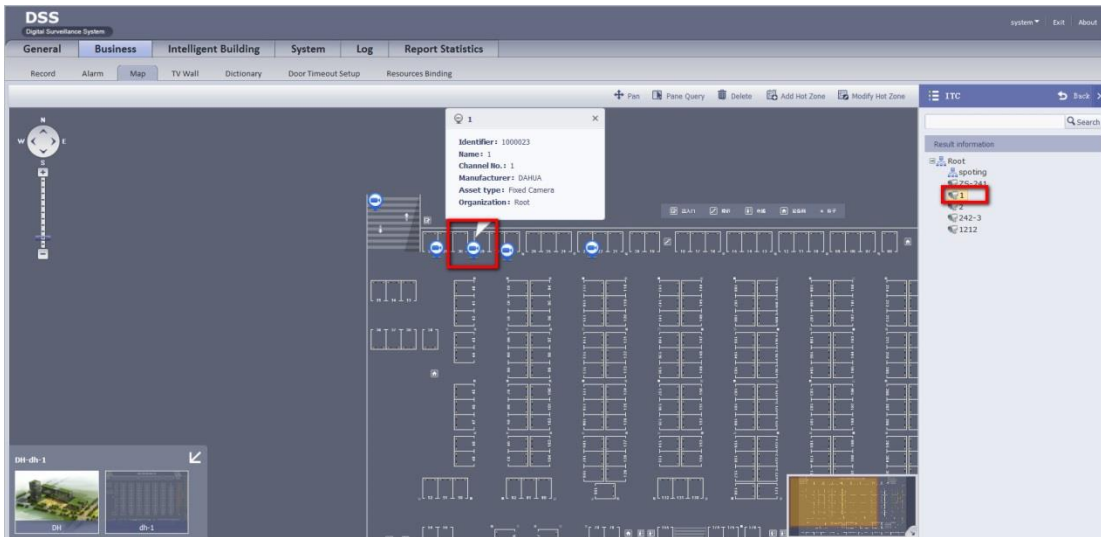


Figure 4- 16

Meantime Client Map will update immediately, see Figure 4-17.

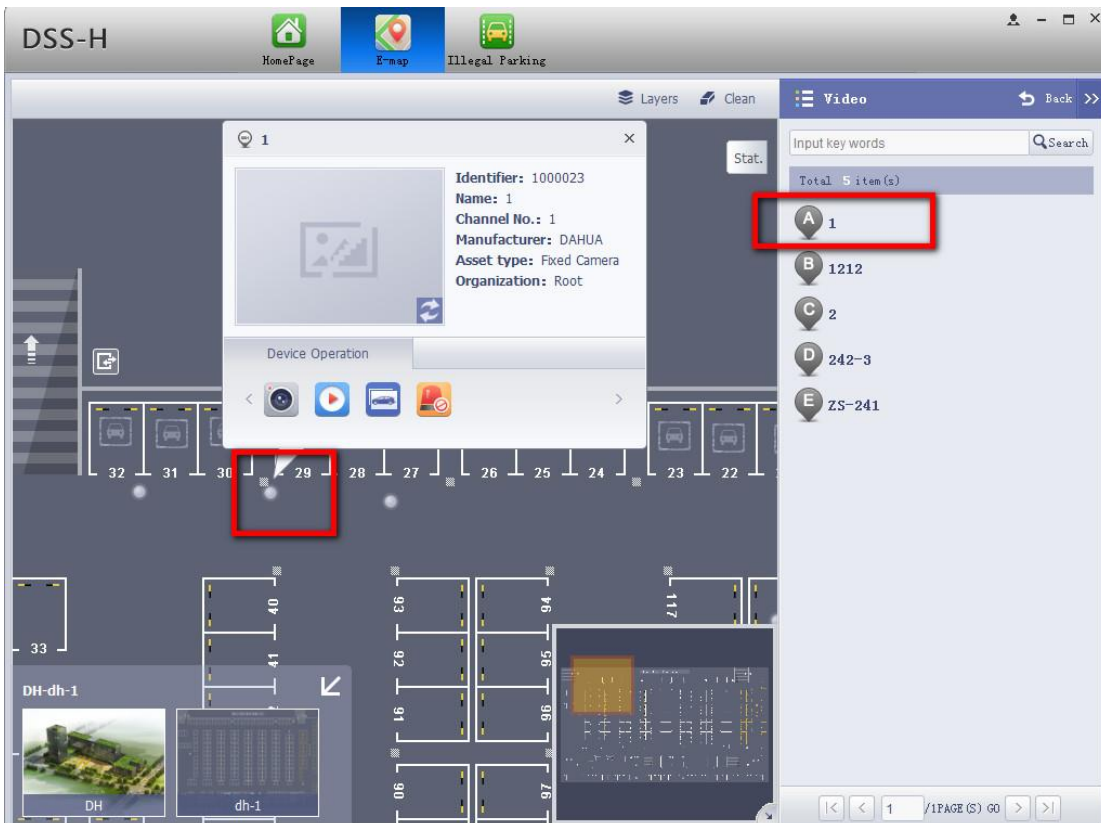


Figure 4- 17

When it is grey, it represent offline device, and when it is blue, it represent online device.

#### 4.2.6 Add Intelligent Device

DSS Manager supports manually adding of intelligent device. Please refer to Ch 4.2.1.1.

## 4.2.7 Add Matrix

DSS Manager supports manually adding of matrix device. Please refer to Ch 4.2.1.1.

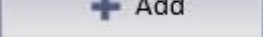
## 4.2.8 Add A&C

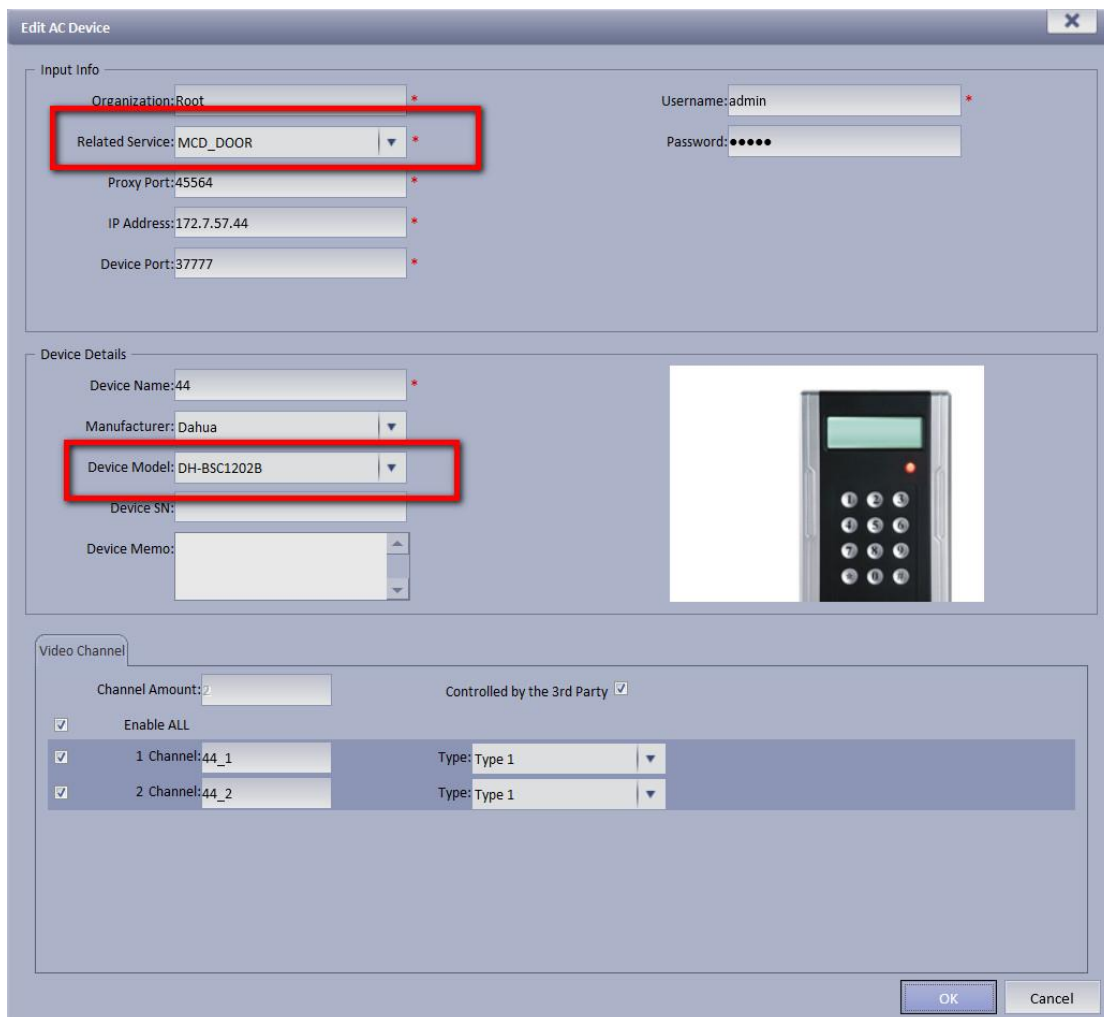
DSS supports manually adding of A&C. Please refer to Ch 5.2.1.

### 4.2.8.1 Add Access Control Device

Building Access Control via digitization achieve people in/out management, which is more convenient, safe, real-time. The entire access control management includes card unlock, remote unlock, third party unlock, invalid unlock alarm, device abnormal alarm, in/out record search, alarm log search and etc.

**Note:** for security reason, access control right, in/out period management, in/out verification method management are all performed on access control platform.

Manager-Device Management-Access Control, click Add , see Figure 4-18.



| Channel        | Type   |
|----------------|--------|
| 1 Channel:44_1 | Type 1 |
| 2 Channel:44_2 | Type 1 |

Figure 4- 18

While device type is based on current device type, and server selects MCD\_DOOR, fill in info, click OK, configuration is successful. Channel quantity is related to number of door controller, if it is two-door controller, there will be two channels. Check third party control, when third party invalid card swiping box pops up, login user can control door lock/unlock.

#### 4.2.8.2VTO Config

Video intercom is composed of two parts, one part is VTO, and the other part is VTH.

DSS-H Manager supports to add VTO device. After VTO is added, you can use video intercom module on DSS-H Client, including application on map.

To add VTO device:



Step 1 Click “Add” in “Device >Video Intercom”

System pops up “Add Video Intercom Device” box.

Step 2 “Device Model” select “Dahua” .

Step 3 “Device Type” select “VTO” .

See Figure 4-19.

**Edit Video Intercom Device**

**Input Info**

Organization: Root \*      Username: admin \*

Related Service: MCD\_DOOR \*      Password: \*\*\*\*

Proxy Port: 37778 \*

IP Address: 172.7.57.239 \*

Device Port: 37777 \*

**Device Details**

Device Name: mkj \*

Manufacturer: Dahua

**Device Type: VTO** \*

Call No.: 8001 \*

Position:

Device SN:

Device Memo:

**Video Channel** | AC Channel | Audio Channel | Alarm Input Channel | Alarm Output Channel

Channel Amount: 1      SS: SS

Third Party Stream: ps

Enable ALL

|                                     |                  |            |                         |       |
|-------------------------------------|------------------|------------|-------------------------|-------|
| <input checked="" type="checkbox"/> | 1 Channel: mkj_1 | SN: 260016 | Camera Type: Speed Dome | Setup |
|-------------------------------------|------------------|------------|-------------------------|-------|

OK      Cancel

Figure 4- 19

While Call No is call no. used in network, which is configured on device web, process skipped here.

Meantime on Manager -Business-E-map-Video Intercom Module, move configured VTO and VTH to map, detailed position shall be according to your need and it will be updated in Client Map-Video Intercom Module, see Figure 4-20 and Figure 4-21.

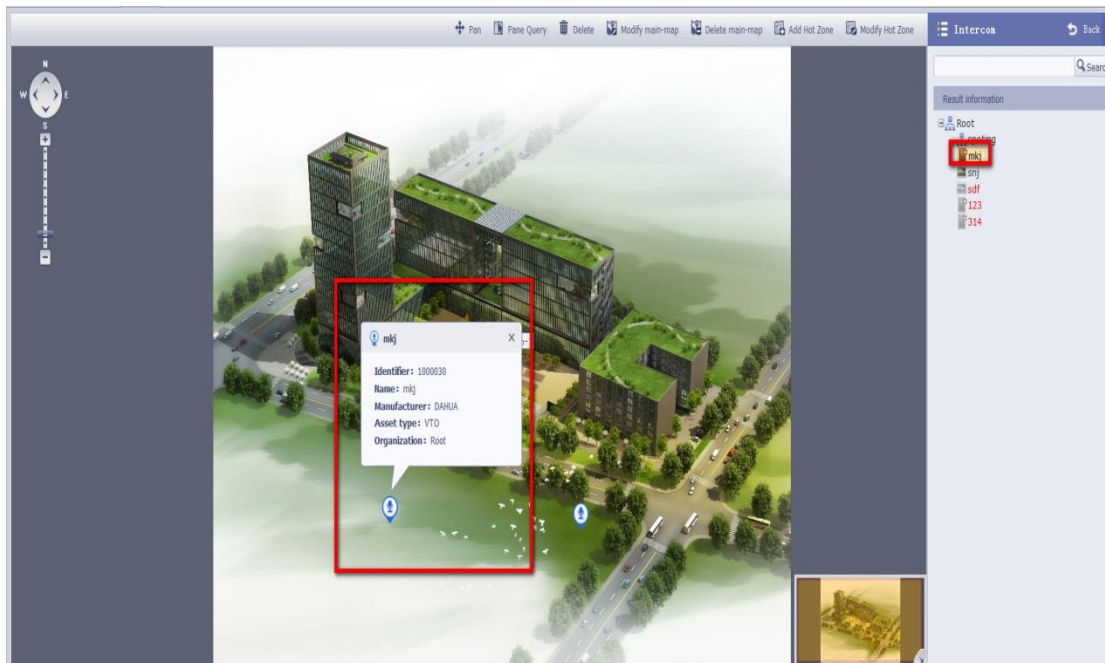


Figure 4- 20

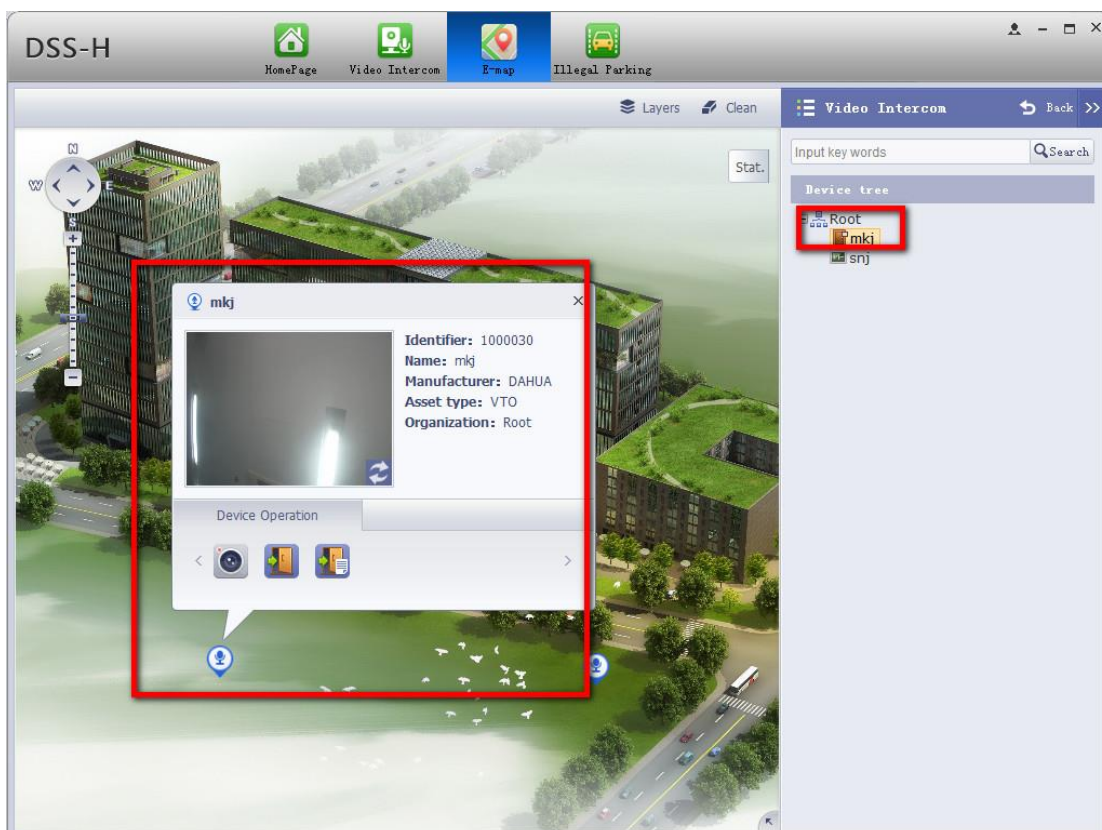


Figure 4- 21

Note: Grey means offline device, blue means online device.

### 4.2.8.3VTH Config

DSS-H Manager supports to add VTH device. After VTH is added, you can use video intercom module on DSS-H, including map application.

To add VTH:

Step 1 Click “Add” in “Device Management > Video Intercom ”



System pops up Add Video Intercom Device box.

Step2 “Device Model” select “Dahua” .

Step 3 “Device Type” select “VTH” .

See Figure 4-22.

The screenshot shows a software window titled "Edit Video Intercom Device". It is divided into three main sections: "Input Info", "Device Details", and "Audio Channel".  
1. "Input Info" section contains fields for Organization (Root), IP Address (172.7.57.238), Device Port (37777), Username (admin), and Password (masked with dots).  
2. "Device Details" section contains fields for Device Name (snj), Manufacturer (Dahua), Device Type (VTH), Call No. (2382), Position, Device SN, and Device Memo. A red rectangular box highlights the Manufacturer, Device Type, and Call No. fields.  
3. "Audio Channel" section has tabs for "Audio Channel", "Alarm Input Channel", and "Alarm Output Channel". It includes a "Channel Amount" field set to 1, an "Enable ALL" checkbox which is checked, and a table with one row: "1 Channel:snj\_1" and "SN:77".  
At the bottom right, there are "OK" and "Cancel" buttons.

Figure 4- 22

While Call No is room no. of VTH, configured on device, so not introduced here.

Meantime go to Manager-Business-E-map-Video Intercom Module, to move VTO and VTH onto map, detailed position shall be according to your need and it will be updated in Client Map-Video Intercom Module, see Figure 4-24-3 and Figure 4-24-4.

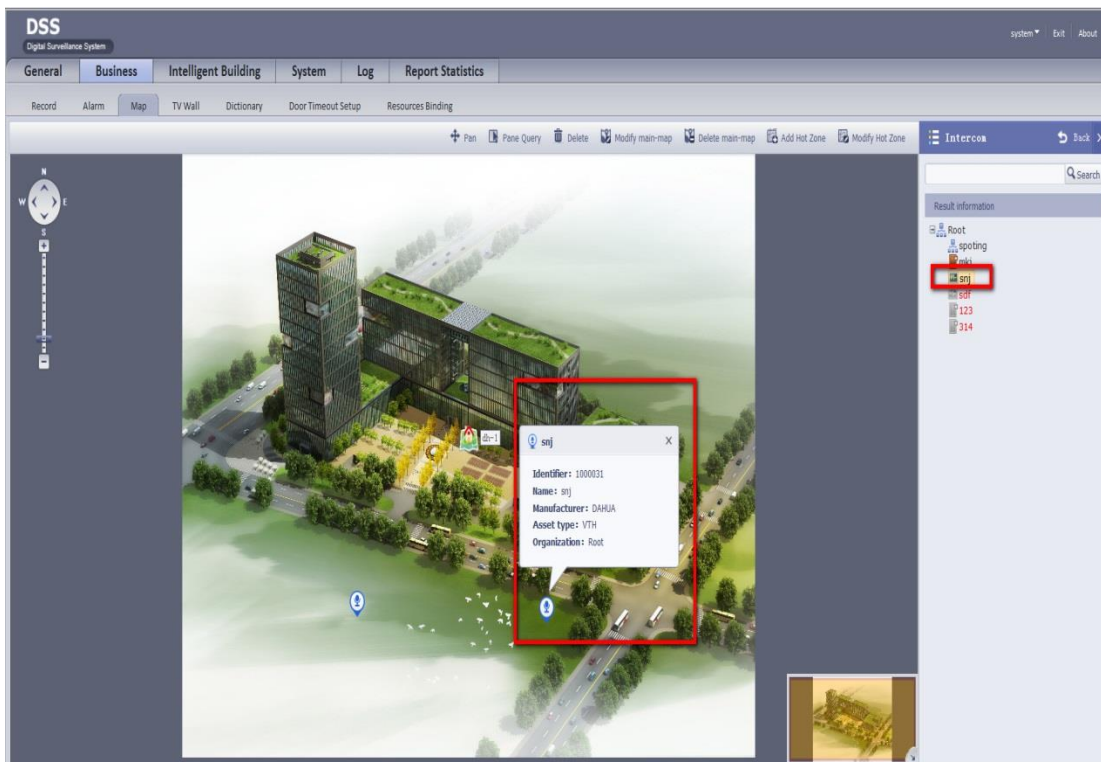


Figure 4- 23

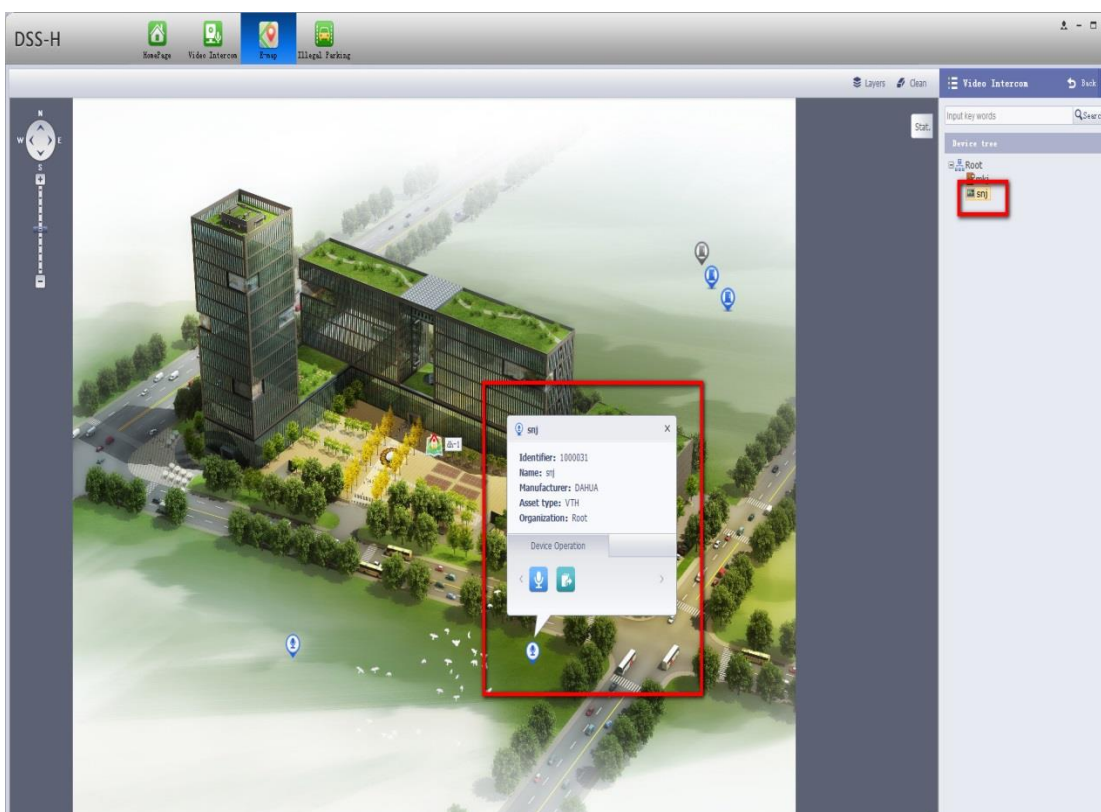


Figure 4- 24

Note: grey means offline device, and blue means online device.

## 4.2.9 Add IP Device

DSS Manager supports to add IP device (MIC and network spot), user can call and broadcast via MIC. One MIC can all more than one network spots. Please refer to Ch 4.2.1.

#### 4.2.9.1 Add MIC

When you are adding MIC, please refer to the following chart.

| Parameter   | Note   |
|-------------|--|
| IP Address  | IP address of MIC.   |
| Device Type | Device type.<br>When you are adding MIC, device type shall be configured to "MIC". |
| Server IP   | MIC server IP address.   |
| Server Port | Port no. of MIC server.  |
| Device SN   | MIC SN. It must match config on device.  |
| Client IP   | Login DSS-H client PC's IP address.  |

#### 4.2.9.2 Add Network Spot

When you are adding MIC, please pay attention to the following chart.

| Parameter   | Note  |
|-------------|---|
| IP Address  | MIC IP address.   |
| Device Type | Device type.<br>When you add network spot, configure device type to network spot.   |
| MIC         | Corresponding MIC of the network spot.<br>When manufacturer type is Lonbon, you need to configure this parameter.                         |
| Device SN   | Used to mark SN network spot.<br>It must match config on device.<br>When manufacturer type is Spon, you need to configure this parameter. |
| ITC MIC     | Corresponding MIC of the network spot.<br>When manufacturer type is ITC, you need to configure this parameter.                            |
| SN          | SN of channel.<br>When manufacturer type is Lonbon or ITC, SN must match device SN on device.   |

#### 4.2.10 Add Transcoder

Transcoder can convert third party video stream to Dahua stream.

DSS Manager supports to manually add transcoder and auto search of deployed transcoder. .

Please refer to Ch 4.2.1.

#### 4.2.11 Add Gateway Device

Gateway includes entrance/ext and parking lot gateway.

DSS Manager supports to manually add gateway device, please refer to Ch 4.2.1.1.

When you are adding gateway device, please select "MCD\_GATE" for corresponding server.

#### 4.2.12 Add LED

DSS Manager supports to manually add LED screen, please refer to Ch 4.2.1.1.

When you are adding LED screen, please select "MCD\_LED" for corresponding server.

### 4.2.13 Add Server

DSS Manager supports to manually add server, please refer to Ch 4.2.1.1.

When you are adding server, please pay attention to the following chart.

| Parameter   | Note  |
|-------------|---|
| IP          | The server's IP address.  |
| Port        | Server's port.  |
| WAN IP      | IP address when the server mapped to WAN.   |
| WAN Port    | Port no. when the server mapped to WAN.   |
| Code        | The server's ID value, used to mark the server.<br>Warning:<br>Must match IP of corresponding server in DSS-C config tool, otherwise the server cannot be registered. |
| Name        | Set server name.  |
| Server Type | Select server type to add.  |

### 4.3 Manage Channel

In Channel, you can view added video channel, alarm input channel and alarm output channel. You can search added channel in Video Channel interface, and view the channel's device, organization and SN.

Alarm Channel includes alarm input and output channels. You can search added alarm input and output channels here.

### 4.4 Manage Business Organization

DSS supports to customize organization and channel, for shortcut operation on Client.

The system has two business organizations by default, as organization 1 and organization 2. You can edit business organization 1 and business organization 2, as well as add sub-organization under the two organizations.

For example:

Step 1. Select General>Business Org.

Step 2. Click Organization 1 tab.

Step 3. Click Add.

Step 4. In the pop-up box, configure organization name, and select upper org.

Step 5. In device channel listing area, check channel(s) that you want to add.

Step 6. Click Add. Added channel(s) will be shown on the right in selected device channel, see Figure 4- 25.

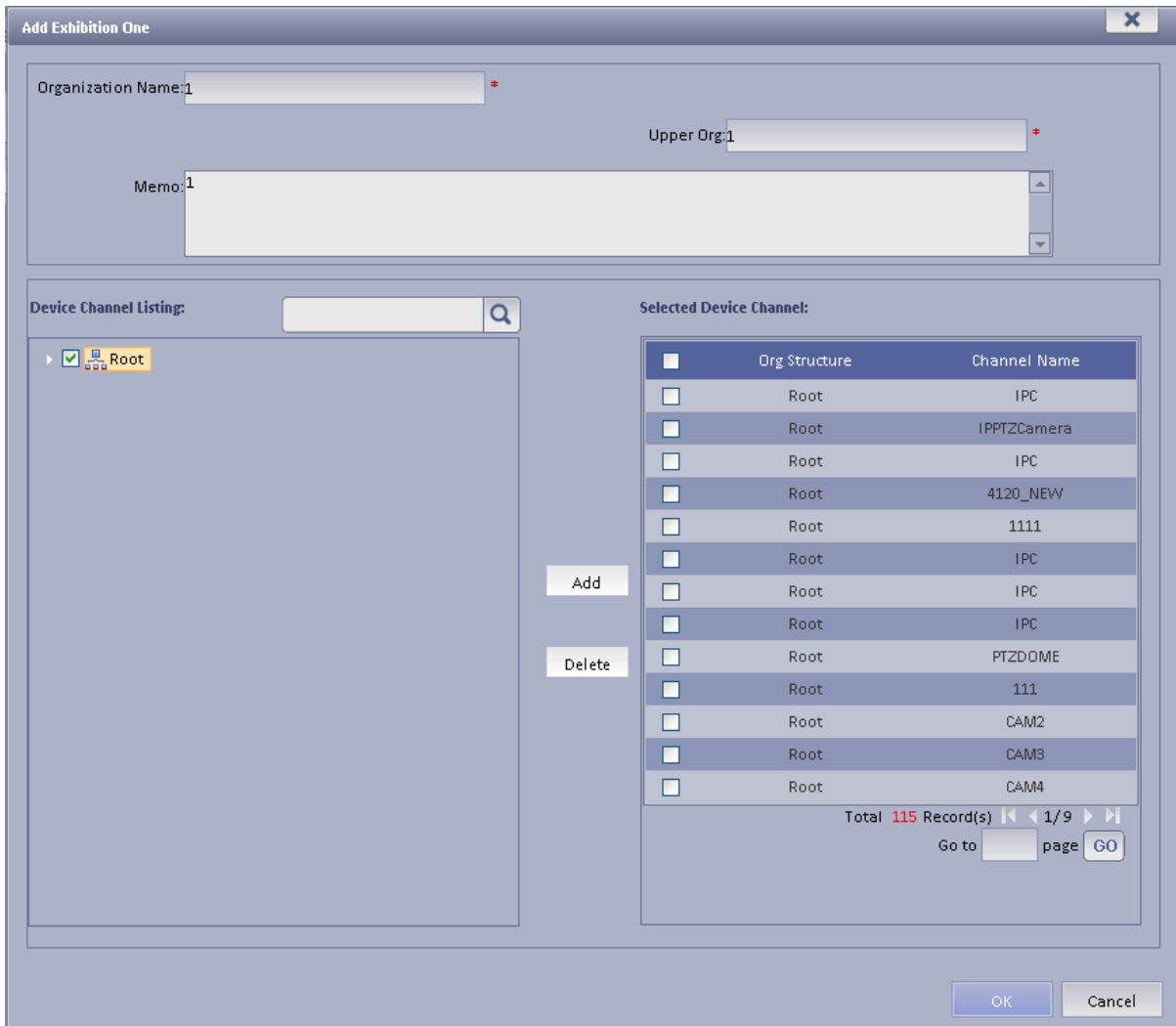


Figure 4- 25

Step 7. Click OK. See Figure 4- 26.

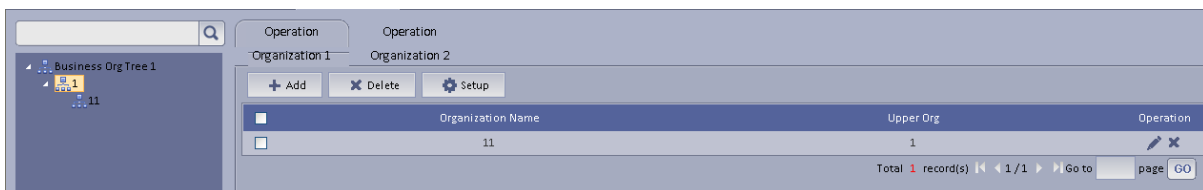



Figure 4- 26

- Click Setup, you can add selected channel into more business organizations for shortcut config.
- Click  in Organization1 or Organization 2, you can modify org name, and add the channel to the organization.

After business organization is added, you can go to General>Account>Role's device right, click device tree, and select organization (such as: business org 1)m then when all users under this role login DSS-H Client, the interface device list will show device and channel under this organization.

# 5 Manage Account

DSS Manager allows user to add and delete accounts. User must create user role before adding user. Existing user can login manager and login the client. Different users may have different operation rights according to their user role.

## 5.1 Configure User Role

Before you configure user, you must set user role and grant certain rights to the role.

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

For example, you want to grant right as administrator:

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

Step 2. Click Role tab.

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

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

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

Step 5. Click Device Rights page, select right in Right Trees and select channel in Channel Tree on the right. See Figure 5- 1.

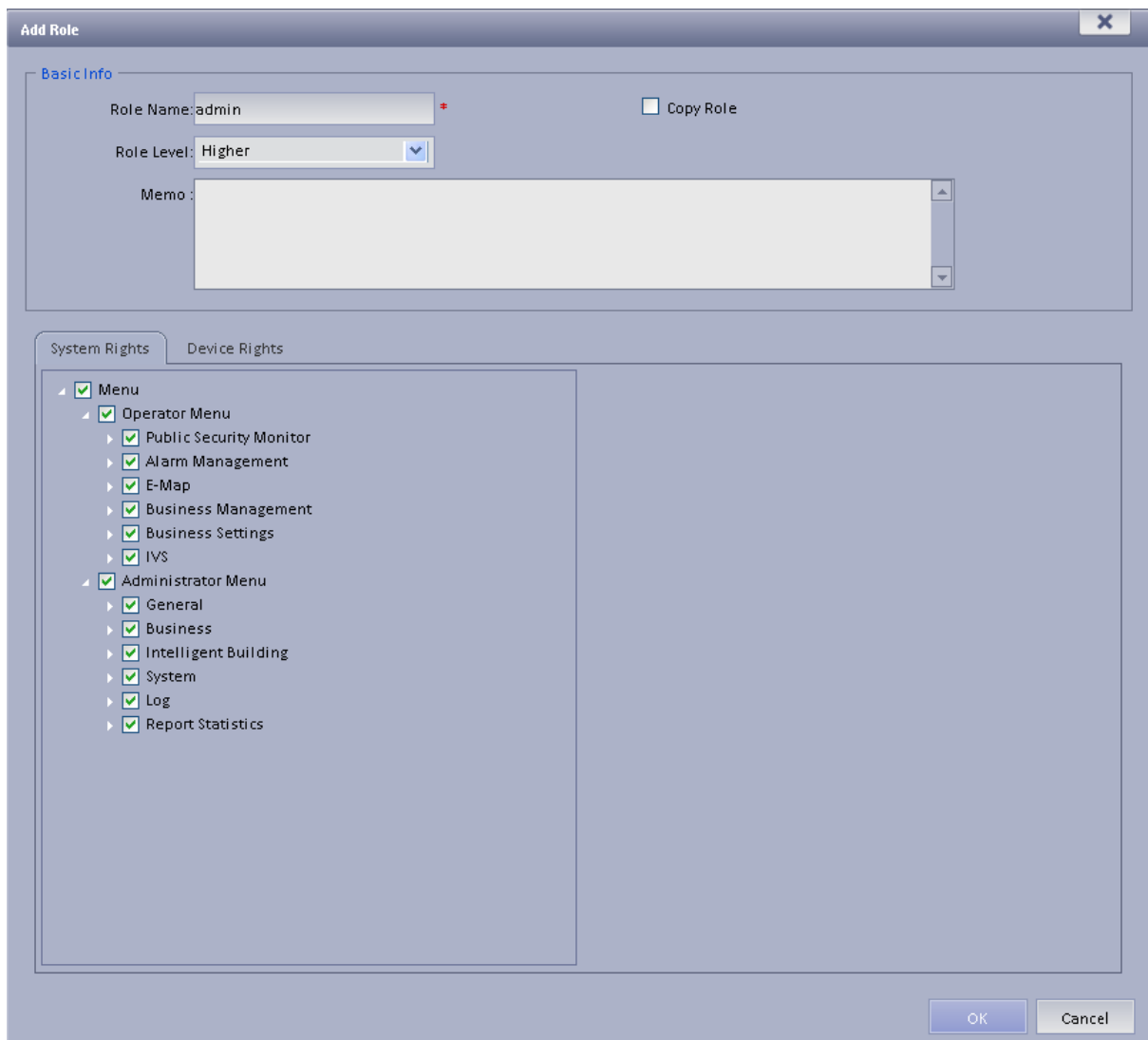


Figure 5- 1

**Note:**

If you do not check corresponding device right, then all users under this role will have no corresponding rights.

Step 6. Click Device Rights tab, select right from Rights Tree on the left and select corresponding channel from Channel Tree on the right. See Figure 5- 2.

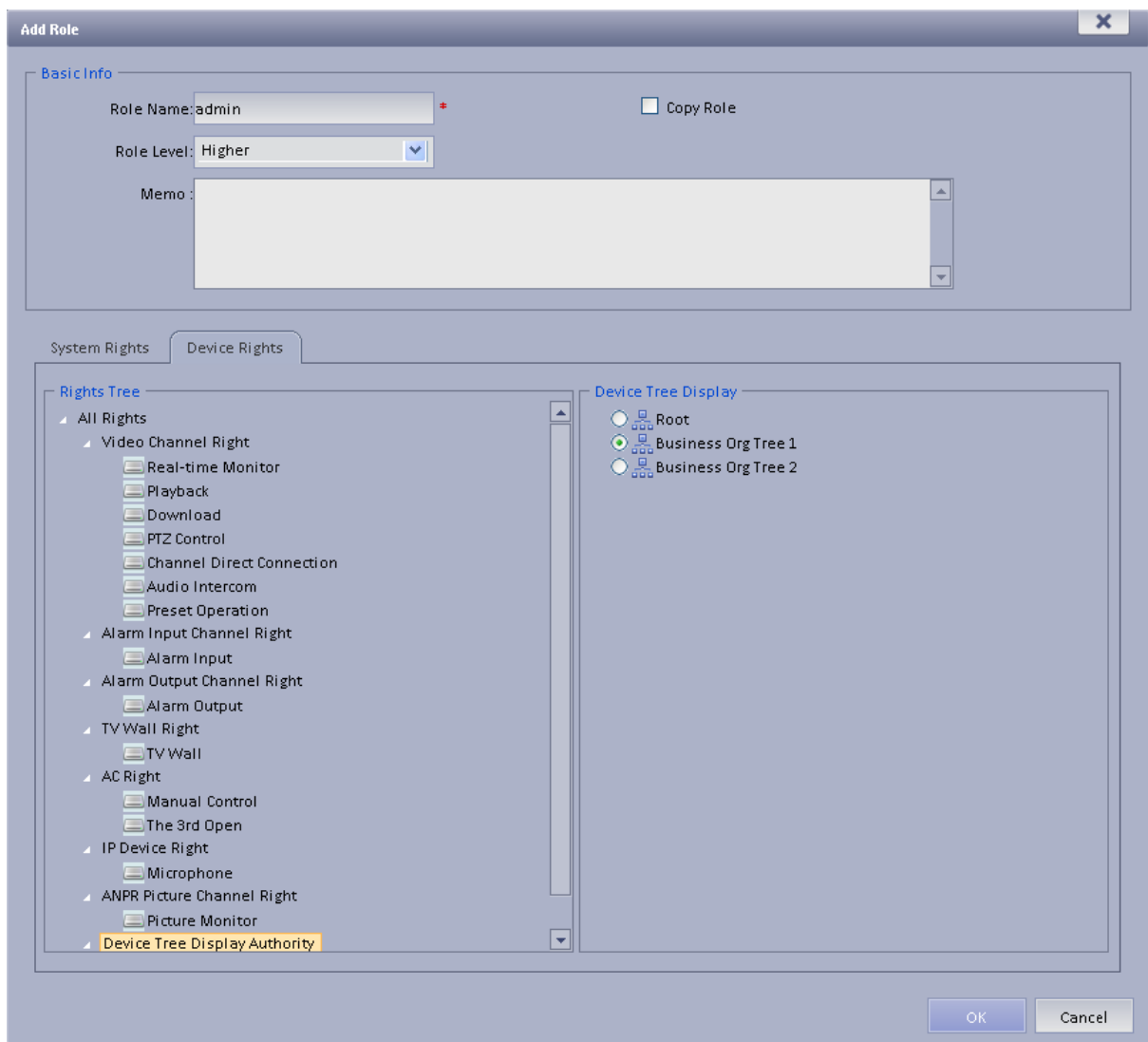


Figure 5- 2

**Note:**

- If you do not check corresponding device right, then all users under this role will have no corresponding rights.
- You must add TV wall in Business>TV Wall before set right of TV wall. Please refer Ch 6.4.
- If you have already configured corresponding channel for the organization, after you select business organization in Device Tree Display Authority, when all users under this role login to this interface, device list in the interface will show the organization. Please refer to Ch 4.4 for how to add business organization.

Step 7. Click OK.

## 5.2Add User

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

Step 1. Click User tab under Account.

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

Step 3. Create a username, a password and confirm password. Select Department and Role.

See Figure 5- 3.

The screenshot shows a dialog box titled "Add User". It has a close button (X) in the top right corner. The main content area is divided into two sections: "Mandatory Info" and "Optional". The "Mandatory Info" section contains five input fields: "Username:" with a "Reusable" checkbox to its right, "Department:", "New Password:", "Confirm:", and "Role:". The "Role:" field contains the text "1,admin". The "Optional" section is currently collapsed, indicated by a downward arrow. At the bottom right of the dialog box are two buttons: "OK" and "Cancel".

Figure 5- 3

Note:

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

Step 4. Click Optional, system display interface as in Figure 5- 4.









The screenshot shows the "Extension Info" section of the user creation interface. It contains five input fields: "User Name:", "ID No:" with a note "(Refers to any ID.)", "Email:", "Telephone:", and "Memo:". The "Memo:" field is a text area with vertical scrollbars. At the bottom right of the section are two buttons: "OK" and "Cancel".

Figure 5- 4

Step 5. Set parameters.

Step 6. Click OK to add user.

You can search existing user, and modify, delete, lock and unlock existing operator. You also may batch import, batch export operator information

- , search existing user according to “operator name”.
- , modify info of current user.
- , delete current user.
- , click this button to lock the user.
- , click this button to delete selected user.
- , click this button to lock selected user.
- , batch import user info.
- , batch export user info.

# 6 Business Setup

## 6.1 Record


DSS Manager supports record plan of channel which allow front-end device to record during planned period.

System saves record file to network storage server. You can select center in Playback on Operator-end to search and play the record.

Step 1. Select Business>Record. System displays Record interface as in

Step 2. Set record time.

The system has weekend template, weekday template and all-period templates by default. If you want to customize time, please follow these steps:

- a) Click Time Template in the upper-right corner of Record interface. System displays Time Template interface.
- b) Click . System pops an Add Time Template box. .
- c) Input Template Name, select cycle period. Set single system, cycle mode and never stop. See Figure 6- 1.

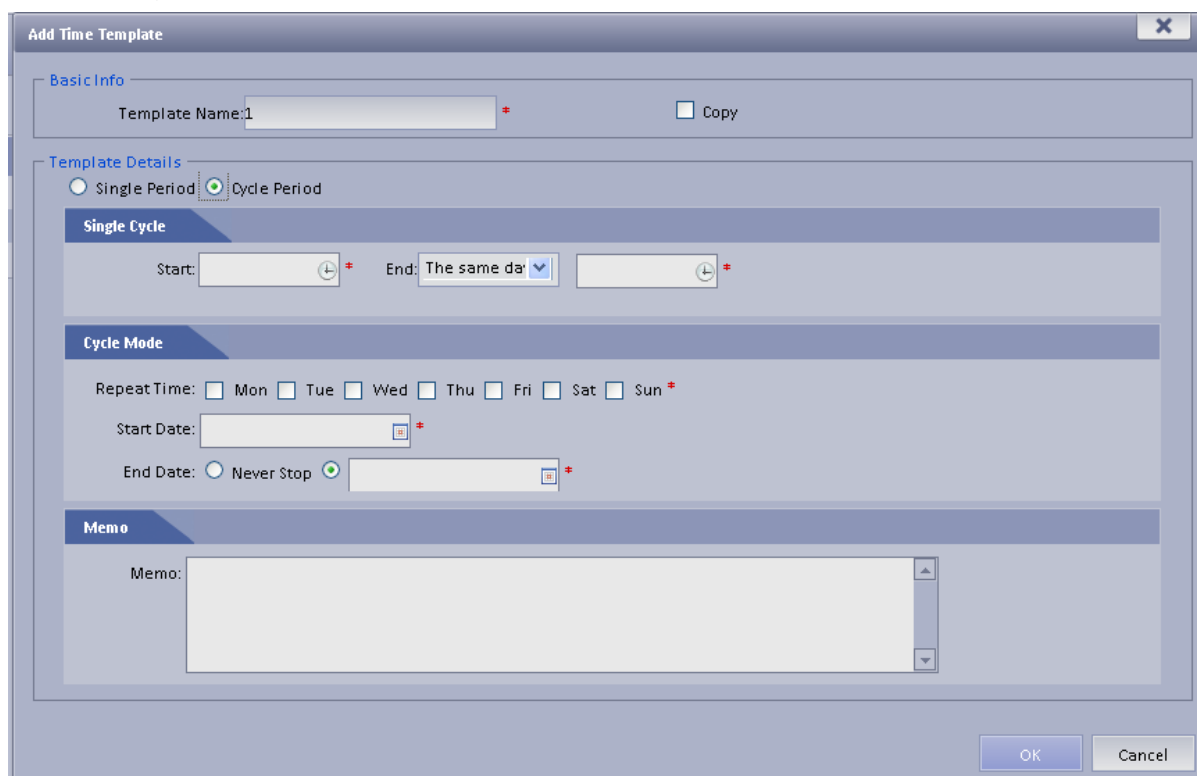


Figure 6- 1

Note:

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

- d) Click OK.

See Figure 6- 2.

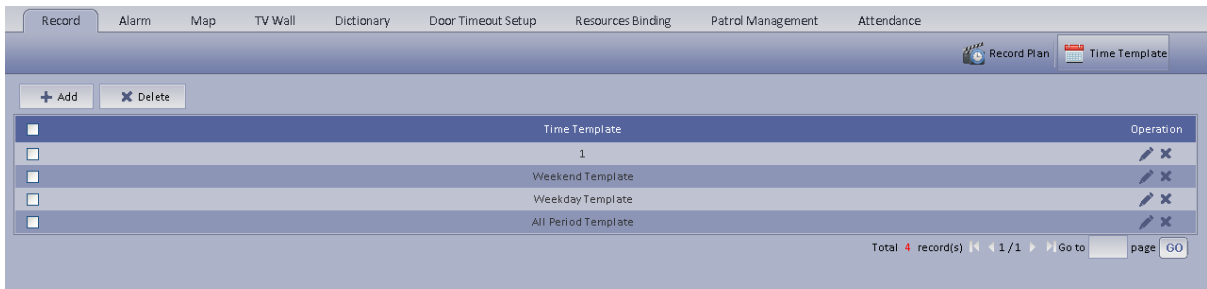


Figure 6- 2

Step 3. Set record plan.

- a) Click Record Plan in the upper right corner of Record interface. System displays Record Plan interface.
- b) Click **+ Add**. System pops up Add Record Plan box.
- c) Input Plan Name, and select Template, Bit Stream. Check Record Plan. See Figure 6- 3.

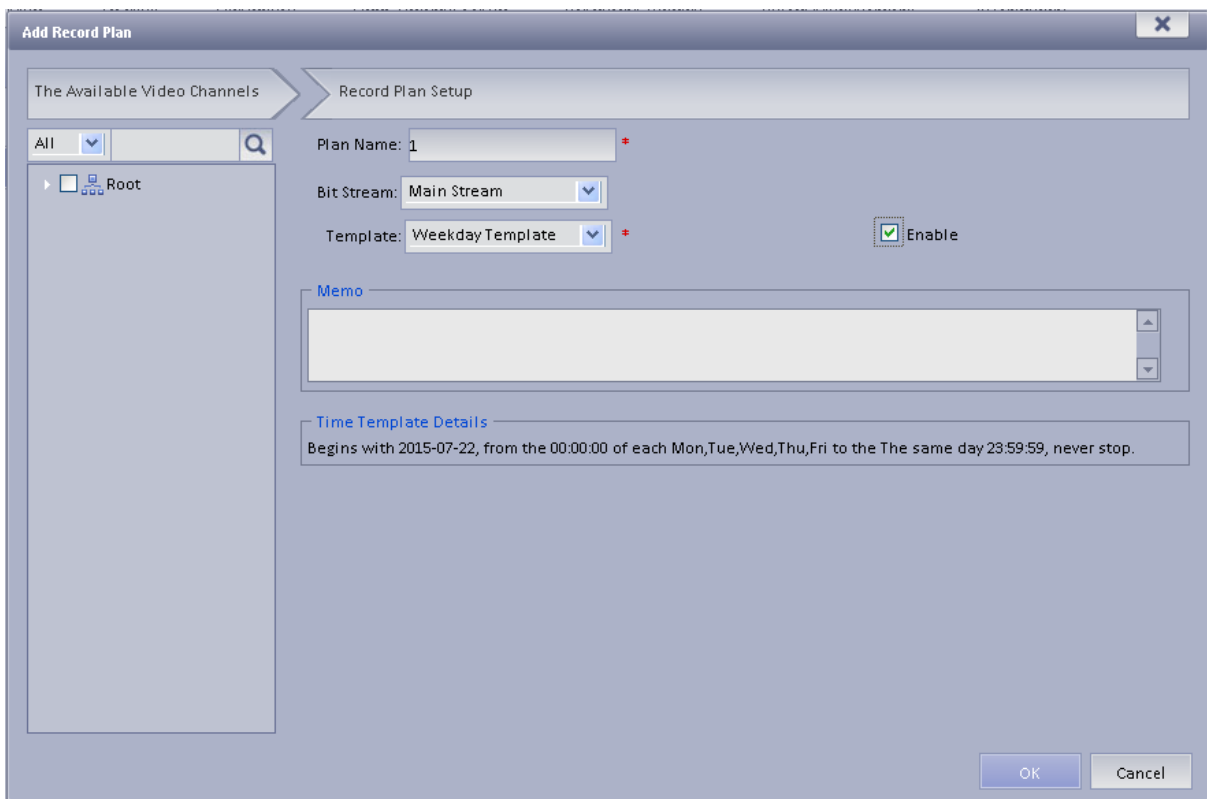


Figure 6- 3

Step 4. Click OK. System displays configured record plan. See Figure 6- 4.

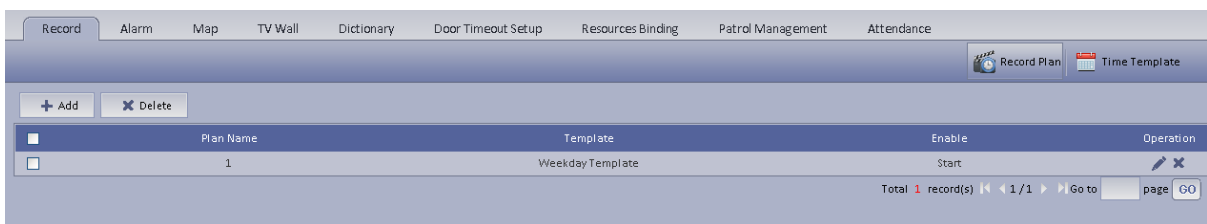


Figure 6- 4

## 6.2 Alarm

DSS Manager supports alarm, including Alarm Scheme, Output Alarm Video to the Wall, Alarm Type, Alarm Time Template, Association Level and Contacts.

- Alarm Scheme: set alarm scheme template.
- Output Alarm Video to the Wall: Make alarm video display on wall.
- Alarm Type: Set system alarm interval and customize alarm as batch.
- Alarm Time Template: Set alarm time template.
- Association Level: Set alarm association level.
- Contacts: Set user who to receive alarm notice.

Alarm flow chart is in Figure 6- 5.

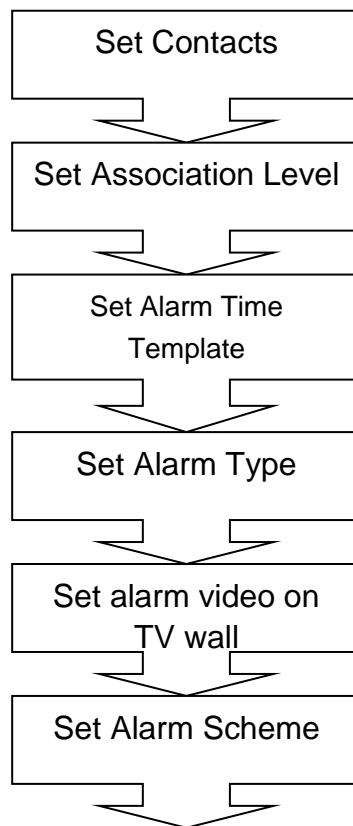



Figure 6- 5

### 6.2.1 Set Contacts

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

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

Step 2. Click .

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

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

- User Name:
- ID No.:
- Email:
- Telephone:
- Memo:
- Buttons: OK (highlighted), Cancel

Figure 6- 6

Step 4. Input User Name, ID No., Email and Telephone.


Note:

One user can add multiple phone numbers which are separated by “;”.

Step 5. Click OK.

### 6.2.2 Set Association Level

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

Step 1. Click  Association Level. System pops up an interface as in Figure 6- 7.

| Association Level Name | Memo   | Association Mode                    |                                     |                                     |                                     |                                     |
|------------------------|--------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|                        |        | Record                              | Email                               | SMS                                 | TV Wall                             | Link Picture                        |
| Level1                 | Level1 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Level2                 | Level2 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Level3                 | Level3 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Level4                 | Level4 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Level5                 | Level5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Buttons: Submit, Cancel

Figure 6- 7

Step 2. Set Association Level Name and select Association Mode.

Step 3. Click Submit.

## 6.2.3 Set Alarm Time Template

You can follow these steps:

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

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

Step 3. Input Template Name, select cycle period. Set Single Period and association level. See

Figure 6- 8.

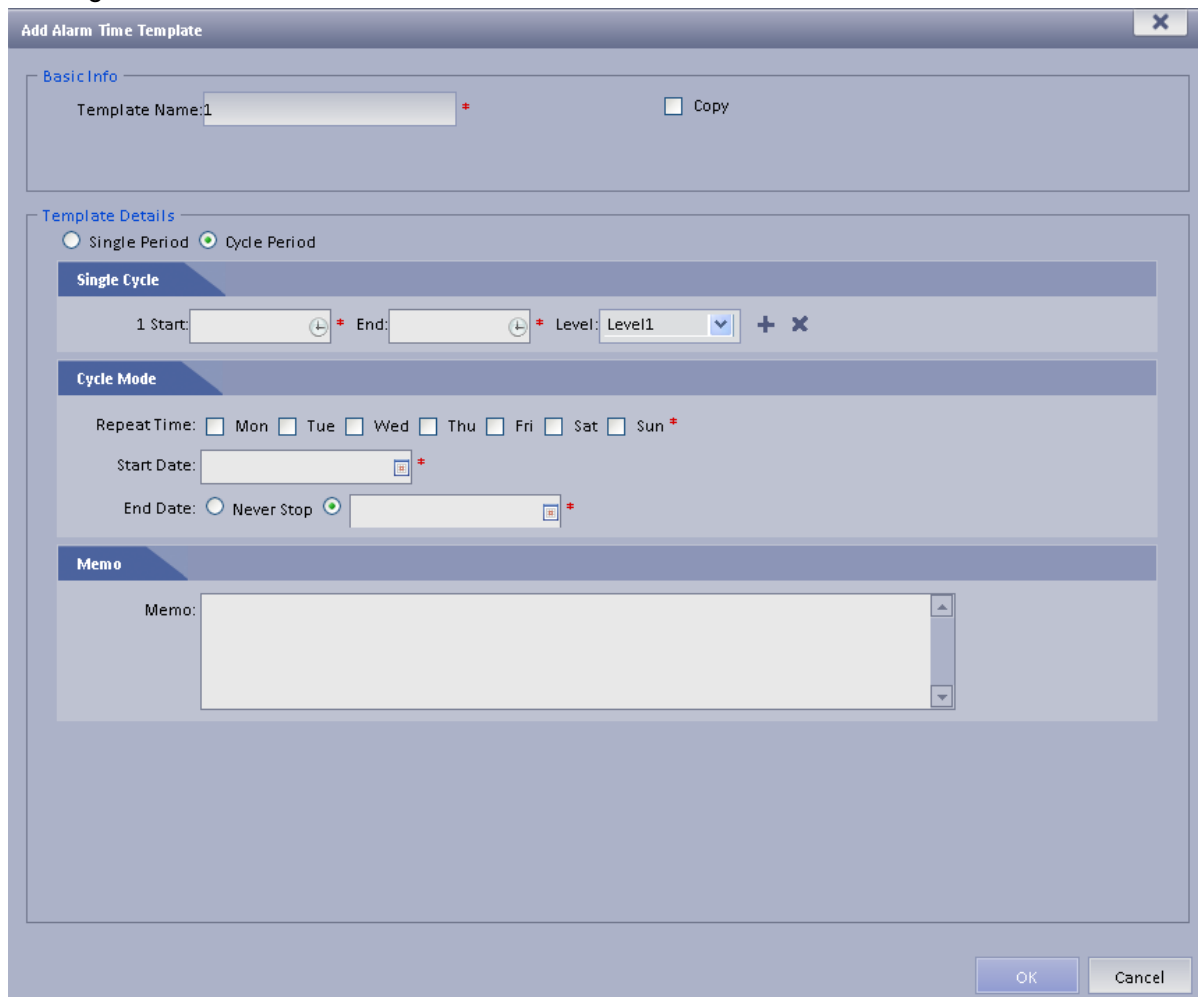



Figure 6- 8

Note:


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

Step 4. Click OK.

## 6.2.4 Set Alarm Storm

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

### 6.2.4.1 Set Alarm Interval as Batch

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

Step 2. Click System Alarm Type tab.

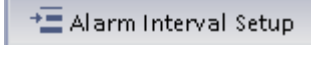
Step 3. Select one or more alarm storm, and click  Alarm Interval Setup. System pops up a box as in Figure 6- 9.

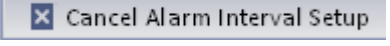


Figure 6- 9

Step 4. Set Alarm Interval.


Note: The interval cannot be over 86400 seconds.

Step 5. Click OK.

You can click  Cancel Alarm Interval Setup to stop alarm interval as batch.

### 6.2.4.2 Customized Alarm Type

Step 1. Click Customized Alarm Type tab.

Step 2. Click  Add. System pops up Add Customized Alarm Type box.

Step 3. Input type name, and check alarm type below, click Add.

System add checked alarm type to the right, see Figure 6- 10.

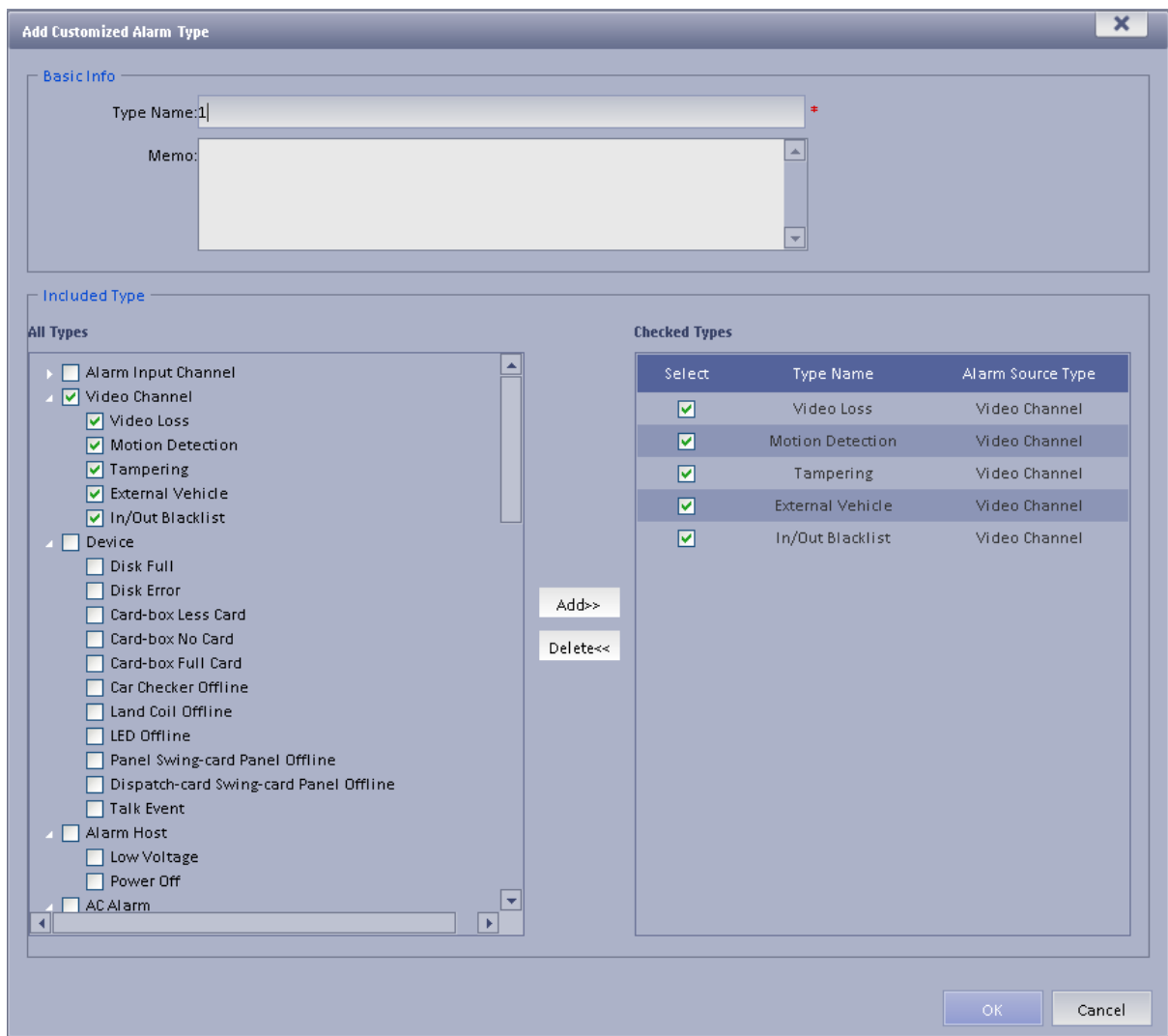


Figure 6- 10

Step 4. Click OK.

Customized alarm type will be sync in Alarm Scheme's alarm source. You can quickly configure alarm source via customized alarm type.

### 6.2.5 Set Alarm Output Video Wall Task

Before you set alarm output video wall task, you must configure TV wall first. Please refer to Ch 6.4.

Step 1. Click  .

Step 2. Click  . System pops up Add TV Wall Task. See Figure 6- 11.

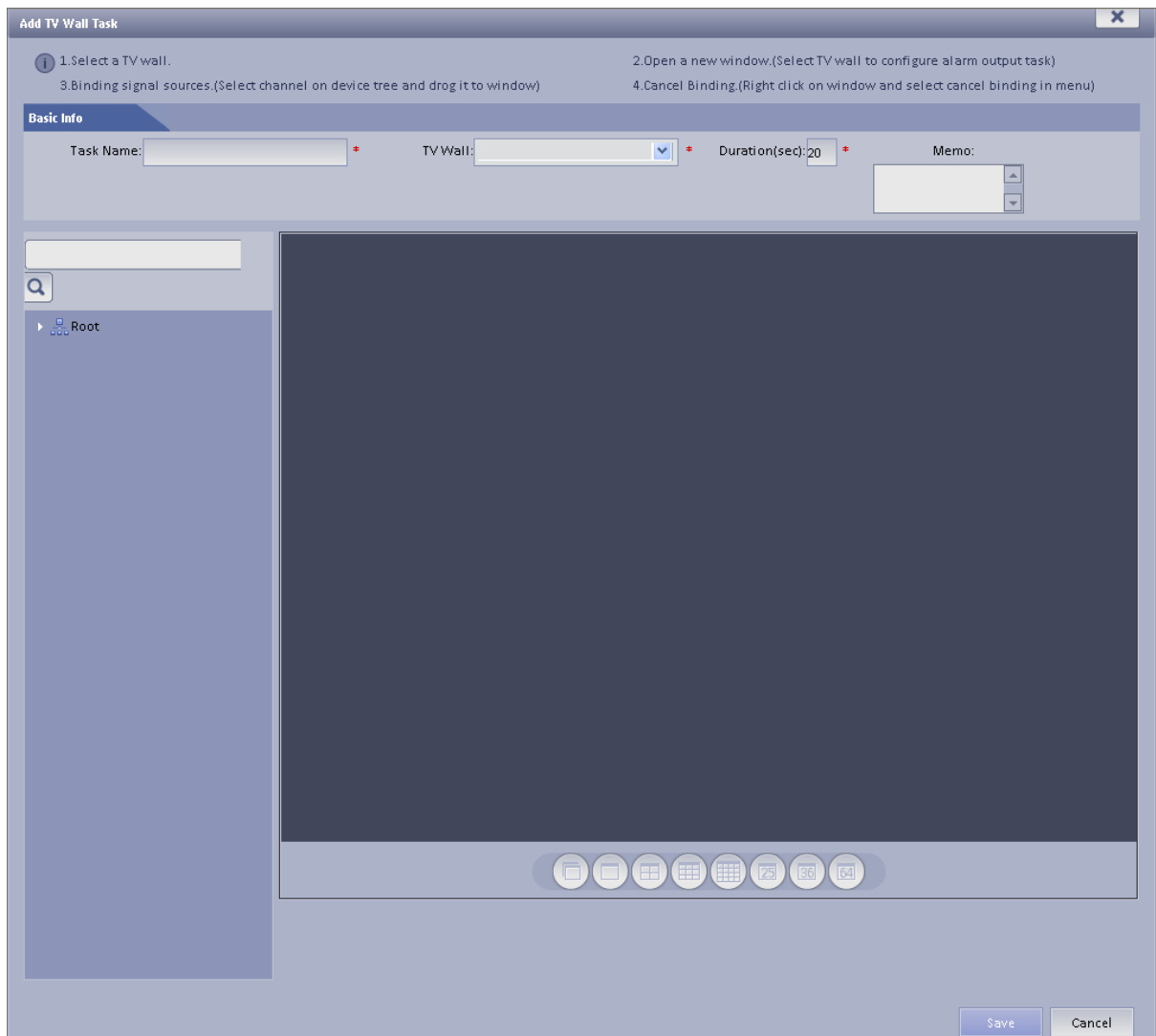



Figure 6- 11


- Step 3. Input task name, select TV Wall.
- Step 4. Drag channel on the left to TV wall window.
- Step 5. Click Save.

### 6.2.6 Set Alarm Scheme

- Step 1. Drag ANPR input, A&C input and alarm input on the right onto map.
- Step 2. Complete e-map config.

Configure Alarm Scheme as follows:

Step 1. Click  Alarm Scheme .

Step 2. Click  . System pops up an Add Alarm Scheme box as in Figure 6- 12.

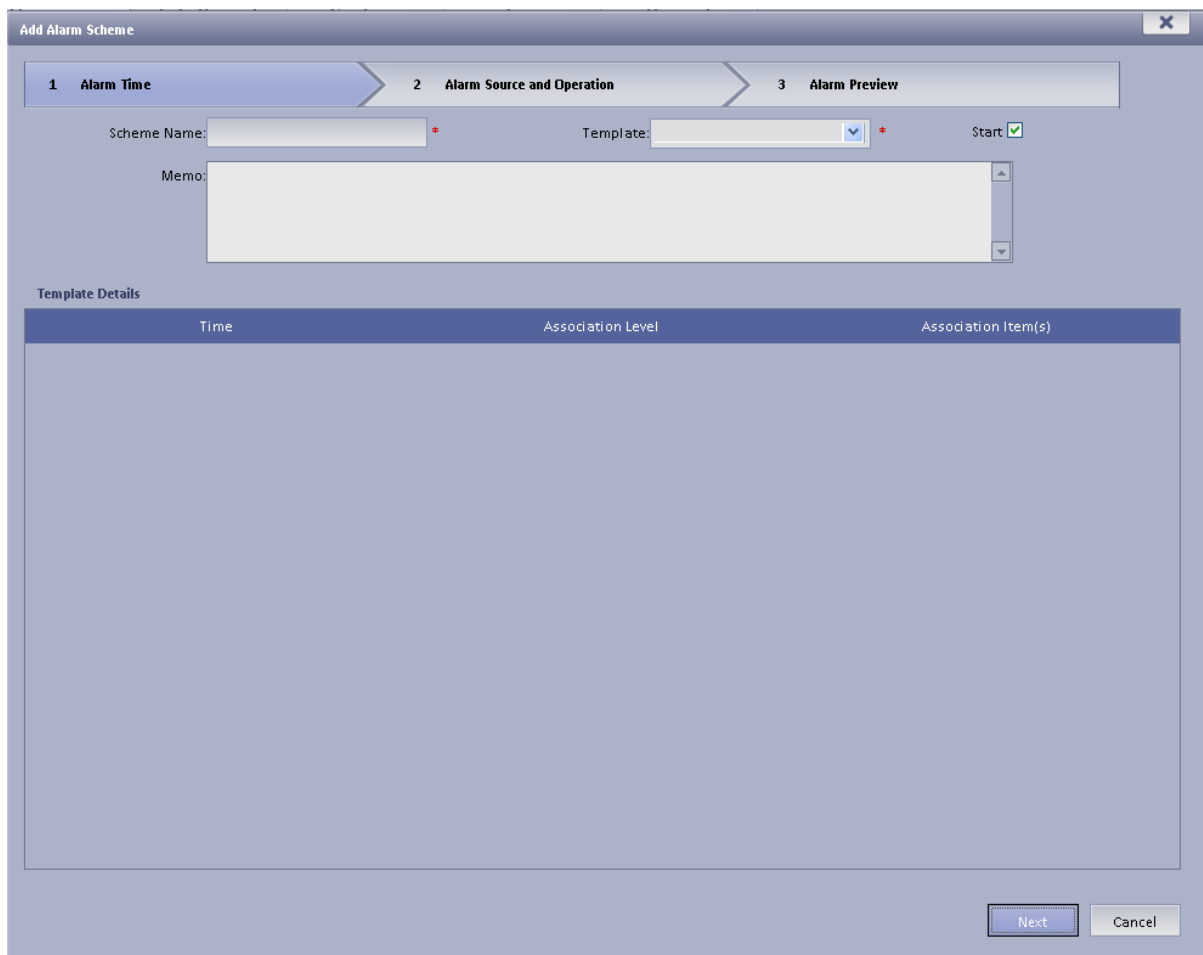
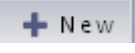


Figure 6- 12

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

Note: You must configure Alarm Time Template before selecting time template here. To configure Alarm Time Template please refer to Ch 6.2.3.

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

Step 5. Click . System displays Add Alarm Source and Association operation 1 box, see Figure 6- 13.

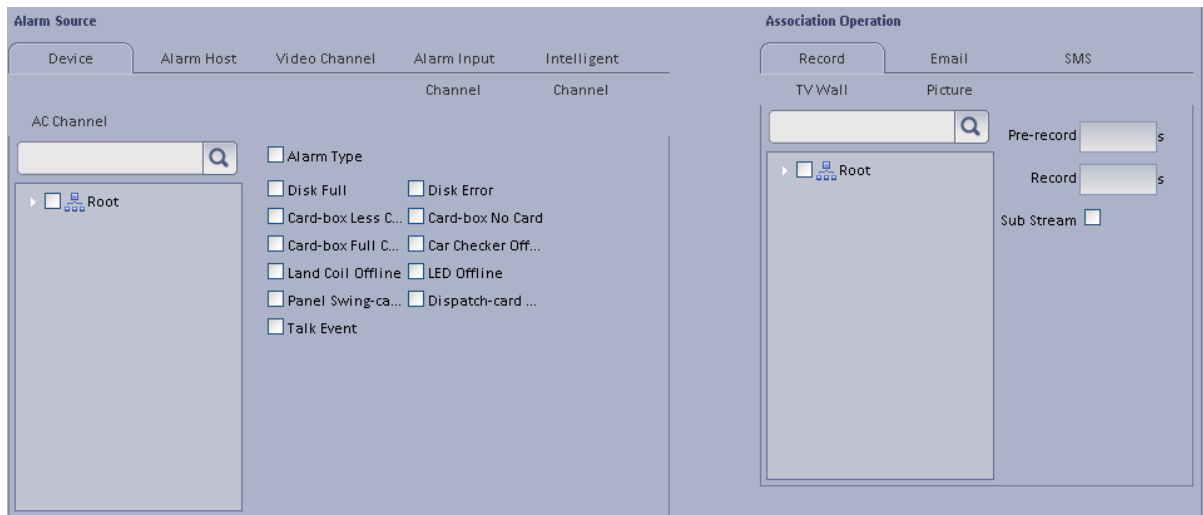


Figure 6- 13

Step 6. In Alarm Source area, select alarm source and its alarm type. Alarm source includes device, video channel, alarm input channel, and intelligent channel. Different alarm source corresponds to different alarm type.

Step 7. In Corresponding Association Operation area, select association operation. Association operation includes Record, Mail, SMS and TV Wall.

- You must add user first in Business>Alarm>Contacts, before you can select corresponding user in Mail and SMS. Please refer to Ch 6.2.1.
- When association level is video wall, you shall add alarm video wall task first, before selecting corresponding video wall in association level. Please refer to Ch 6.2.5.

Step 8. Click Save.

Step 9. Click Next. System displays Alarm Preview interface as in Figure 6- 14.

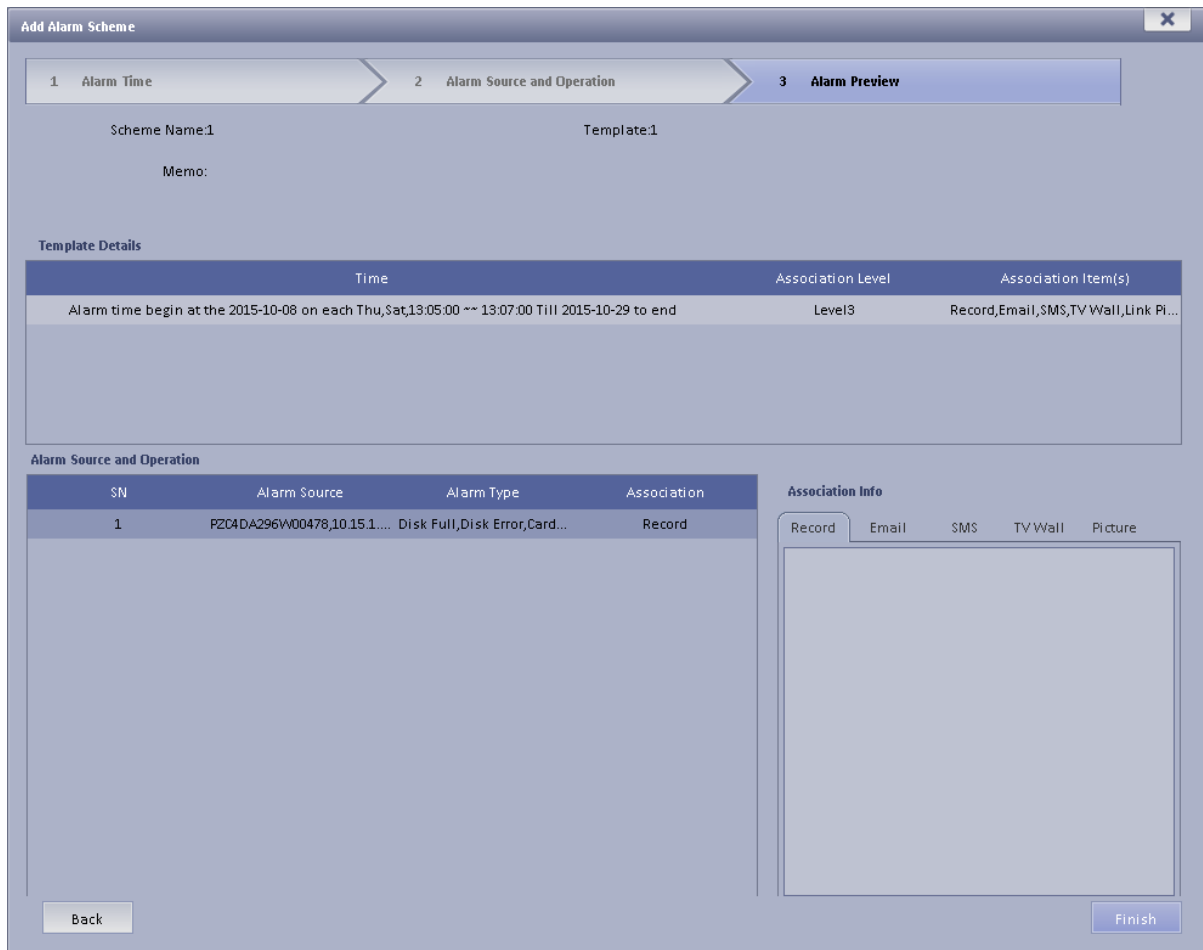


Figure 6- 14

Step 10. Click Finish.

When alarm occurs, system performs association operation according to Alarm Scheme settings, and shows alarm info in Log>Alarm.

### 6.3 Add Access Control Device to E-map

Manager—Business-E-map-Access Control, drag , drag access control to e-map, according to your need, to a certain position, see Figure 6- 15.

If you add different types of device on DSS Manager General>Device, then you can drag device (such as ANPR, access control, alarm host and etc.) into the map for virtualization management.

Step 1. Select Business>Map.

Note:

- If there has no map in the interface, you may manually add map by clicking Add Main Map to add local map to this interface.
- The system supports map format in jpeg, JPG and png.

Step 2. Click Access Control to show access control device list.

Step 3. Drag access control device to designated position on map.

See Figure 6- 15.

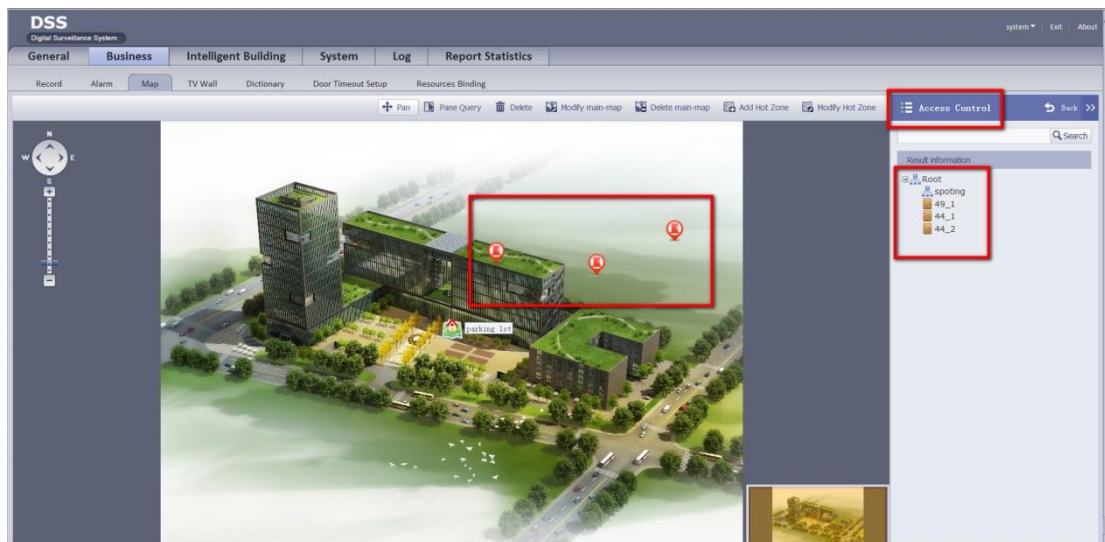


Figure 6- 15

Wherein swipe card to unlock door, Client access control list and e-map can real-time show access control channel's open/close status, alarm info shows real-time unlock info record.

Client Access Management under various types of credit card can only display alarm information. Double-click Access alarm message "Alarm Information", the system pop-up "alarm details" screen

You can view the current alarm linkage video and video, and can be processed for the current alarm. Processing states include processed, unprocessed, Processing, false positives and ignore. State after treatment will appear in the "alarm message" list "state".

Step 4. Click Save. System prompts that save successfully.

You also can modify map, delete map, delete device, add hot zone and delete hot zone.

| Parameter       | Note   |
|-----------------|--|
| Modify Map      | Replace current map with other map.  |
| Delete Map      | Delete current shown map.  |
| Delete Device   | Select device on map and delete it.  |
| Add Hot Zone    | Add one hot zone on map, click the hot zone, the system will auto link the map to map of hot zone. |
| Delete Hot Zone | Select hot zone on map and delete it.  |

## 6.4Set TV Wall

DSS Manager supports configuration of TV wall.


**Warning: If you operate on Operator end, then you must ensure the user login Operator end has already configured TV wall device right. TV wall right is configured in DSS-H Manager General>Account, please refer to Ch 5.1.**

After you configure TV wall and authorize TV wall right, you can select TV wall scheme to output to video wall, please refer to DSS H700 Client User's Manual, Ch 4.2.

To configure TV wall, please follow:

Step 1. Add decoder. Please refer to Ch 4.2.2.

Step 2. Select Business>TV Wall, system displays TV Wall interface.

Step 3. Click . System pops up an Add TV Wall box, see Figure 6- 16.

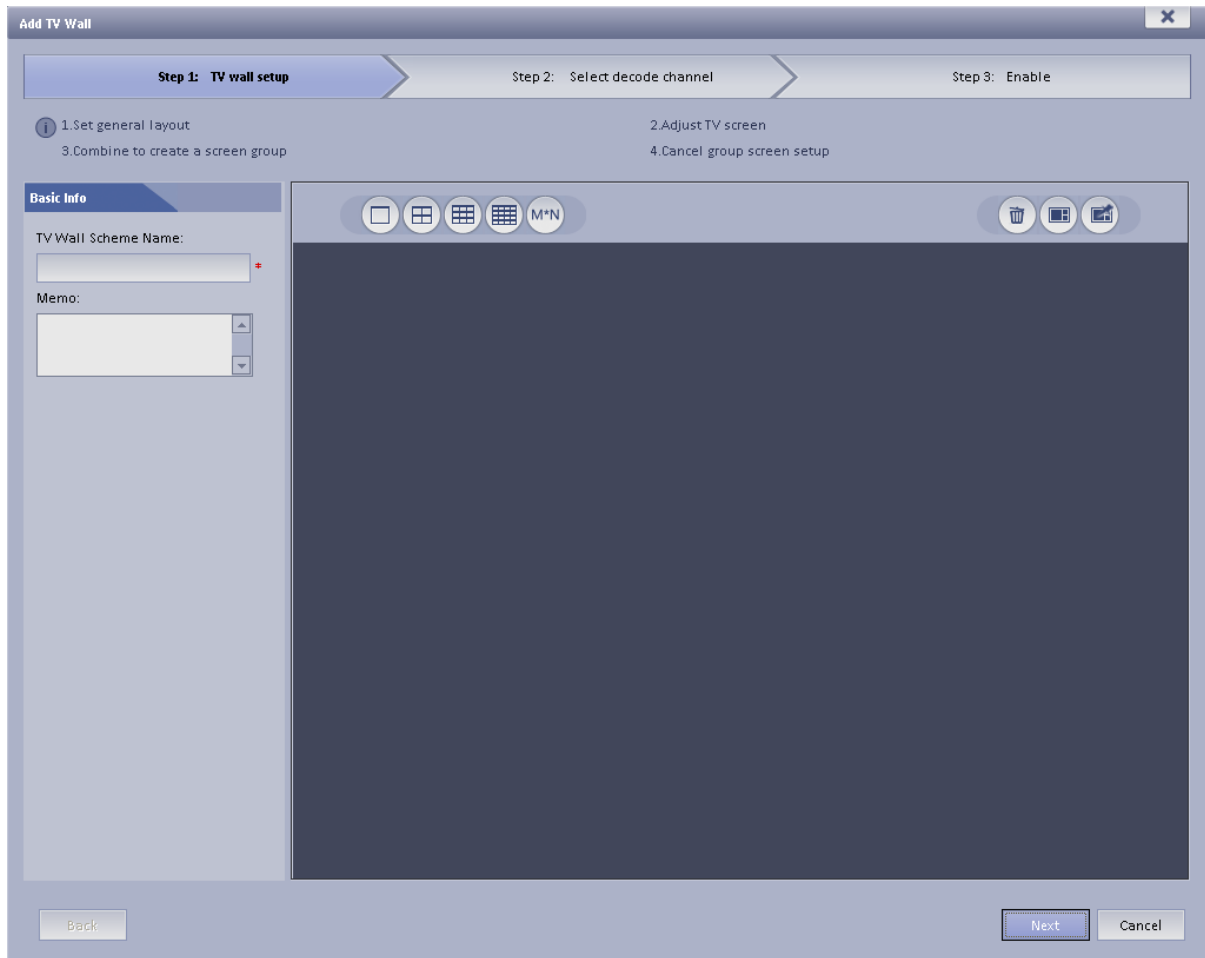


Figure 6- 16

Step 4. Input TV Wall Scheme Name and click  to select layout of 1\*1, 2\*2, 3\*3 or 4\*4. See Figure 6- 17.

You also can click  to customize TV wall.

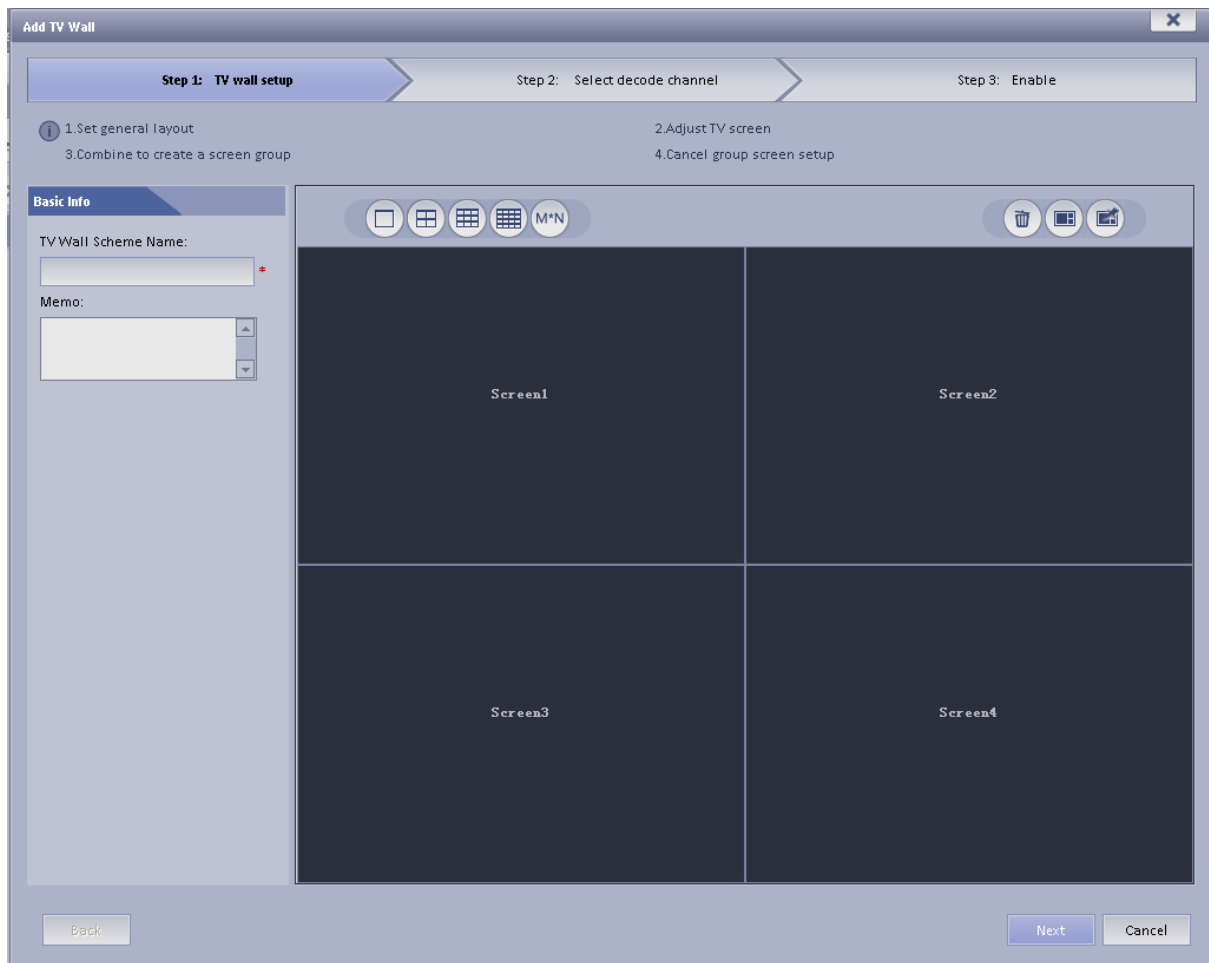




Figure 6- 17

Note:

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

Step 5. Click Next. System displays Select decode channel interface.

Step 6. In Device Tree, select decoder and drag it to corresponding TV wall. See Figure 6- 18.

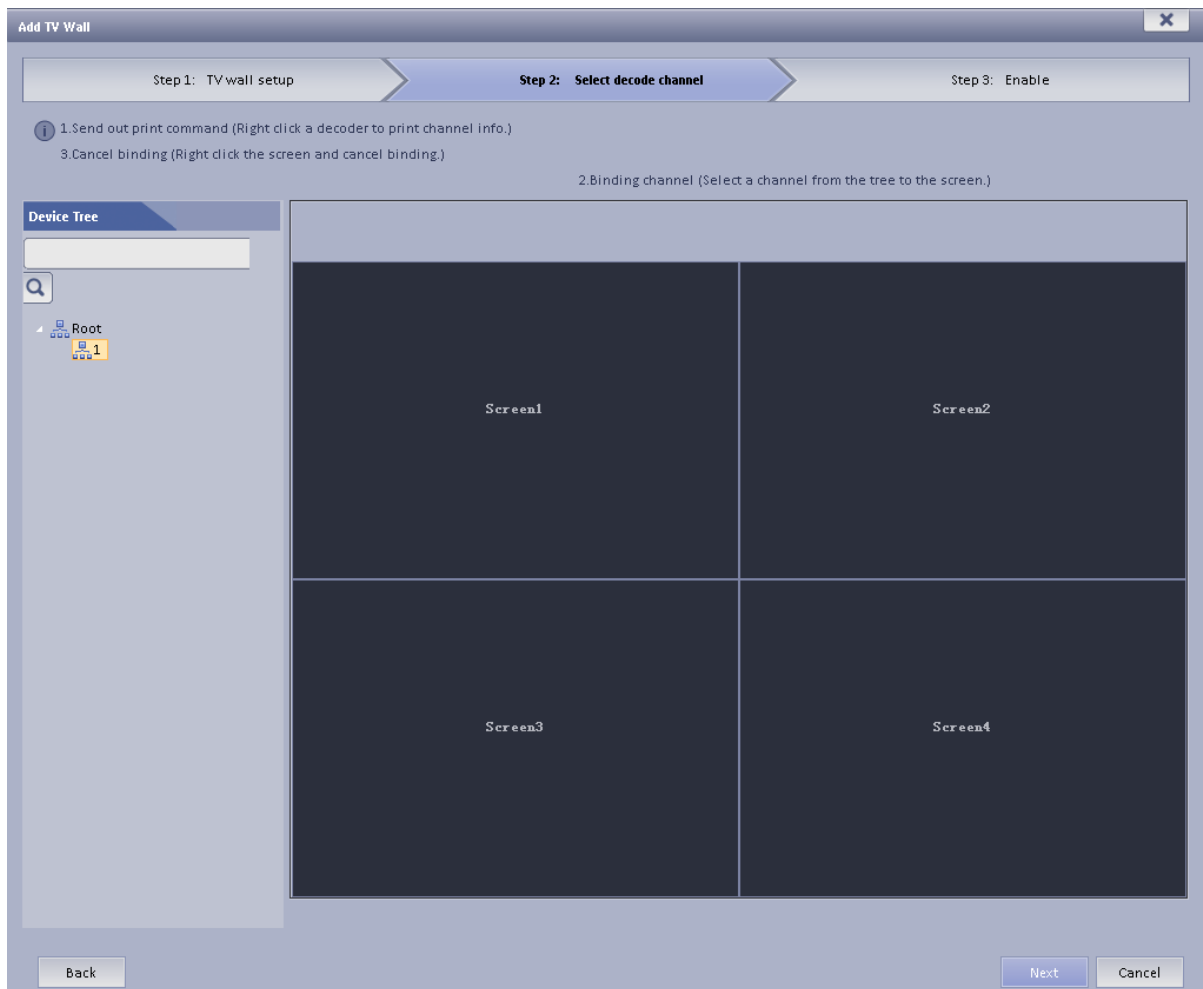


Figure 6- 18

Note:

- Combined screen only can bind matrix device's channel or video wall device's channel.
- General screen (non-combined screen) can only bind decoder channel or matrix device channel.
- A same combined screen only can bind channels of a same device.
- If you want to cancel the binding between screen and decoder channel, you right click on screen, and select cancel binding.

Step 7. Click Next.

System shows Enable interface.

Step 8. Select Apply Now.

Note:


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

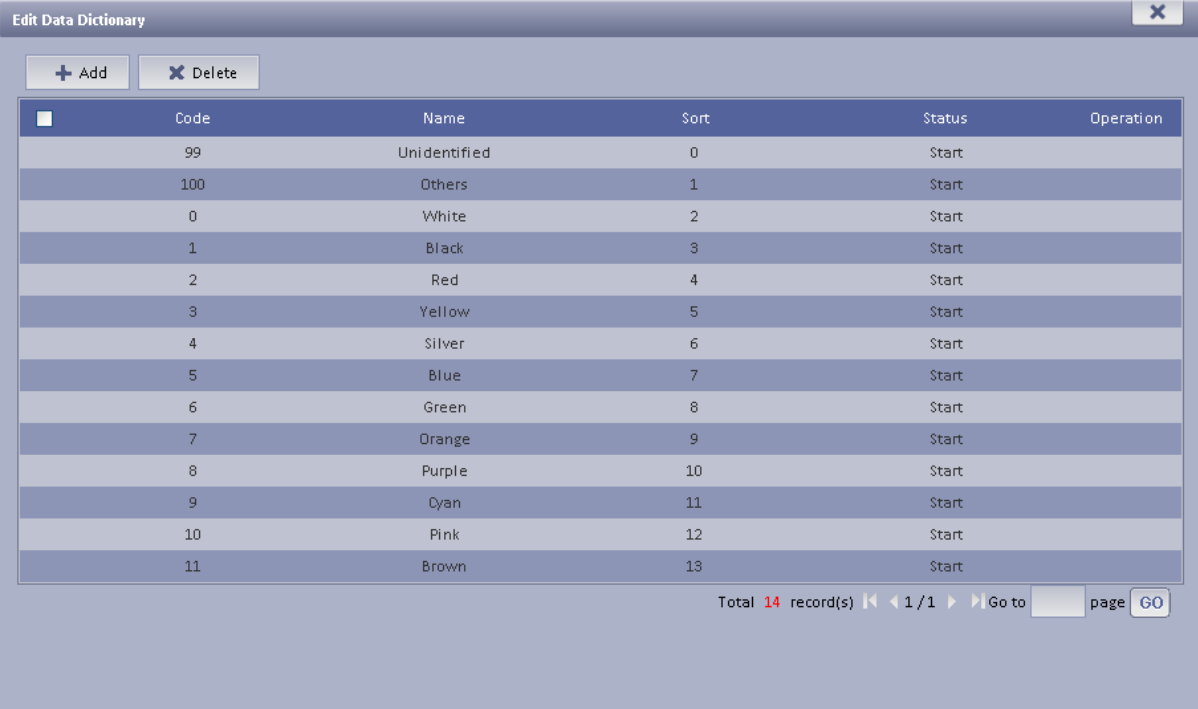
Step 9. Click Finish.

## 6.5 Dictionary

DSS Manager supports Dictionary management, including management over vehicle color and vehicle type.

Step 1. Click Dictionary tab.

Step 2. Click  next to vehicle color tab. System pops up Edit Data Dictionary box, see Figure 6- 19.



| Code | Name         | Sort | Status | Operation |
|------|--------------|------|--------|-----------|
| 99   | Unidentified | 0    | Start  |           |
| 100  | Others       | 1    | Start  |           |
| 0    | White        | 2    | Start  |           |
| 1    | Black        | 3    | Start  |           |
| 2    | Red          | 4    | Start  |           |
| 3    | Yellow       | 5    | Start  |           |
| 4    | Silver       | 6    | Start  |           |
| 5    | Blue         | 7    | Start  |           |
| 6    | Green        | 8    | Start  |           |
| 7    | Orange       | 9    | Start  |           |
| 8    | Purple       | 10   | Start  |           |
| 9    | Cyan         | 11   | Start  |           |
| 10   | Pink         | 12   | Start  |           |
| 11   | Brown        | 13   | Start  |           |

Figure 6- 19

Step 3. Click Add. System pops up Add Data Dictionary, see Figure 6- 20.

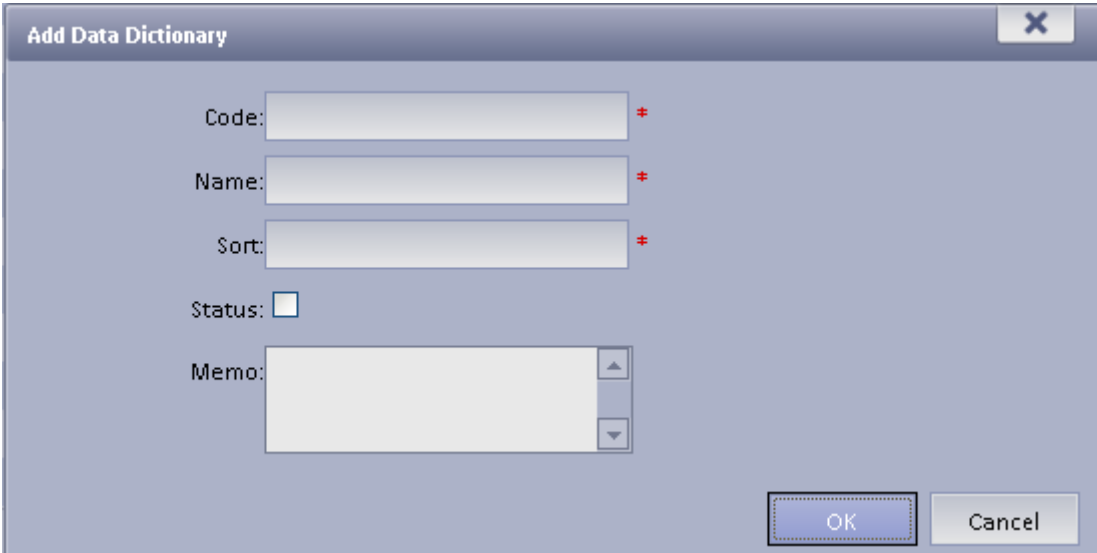


Figure 6- 20

Step 4. Input code, name and sort.

Step 5. Check Status. If you do not check Status here, then dictionary will be disabled.

Step 6. Click OK.

## 6.6 Access Control Card Info Config

On Manager-Intelligent Building-Add People Info and all-in-one card management info, when swipe card at Client, name of people swipe card, contact and third party photo will be shown below.

Add people: people no. has exclusiveness, which better be employee no. of a company, or import people info via template. Wherein the template organization code # 001 # 001001 represents the root node represents two departments, and so on. Upload personal photos, photo size is limited to 4M.

Add Cards: Card and staff correspondence, corresponding to an officer more card, but a card corresponds to only one person. Therefore, in the absence of added personnel Add card information being given can not be added.

Card can be read by the reader (hexadecimal), who belongs to add personnel with the previous corresponding password is used for password access when access control is set to card + password.

## 6.7 Access Control Unlock Timeout Config

DSS-H supports unlock timeout setup, which is to set threshold value, when unlock time exceed threshold, system will alarm.

Manager---Business---Unlock Timeout config, configure level and threshold, see Figure 6-26-1.

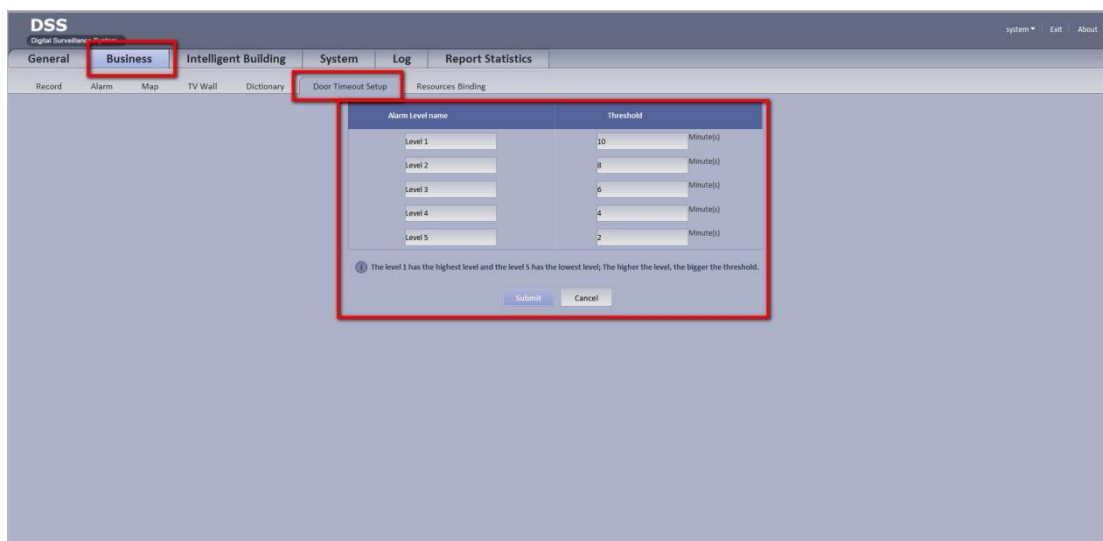


Figure 6- 21

Click Submit.

## 6.8 Access Control Device Binding Video

In the Manager-Business-Video Resource Binding: Click Configuration, select the corresponding channel and then select the right of access to the video channel. Bind video (up to four video bindings), illegal credit card pop open the box to see a third-

party video-bound, so easy to swipe personnel administrators to view illegal situation and then consider whether the remote control to open the door, as follows in Figure6-22.

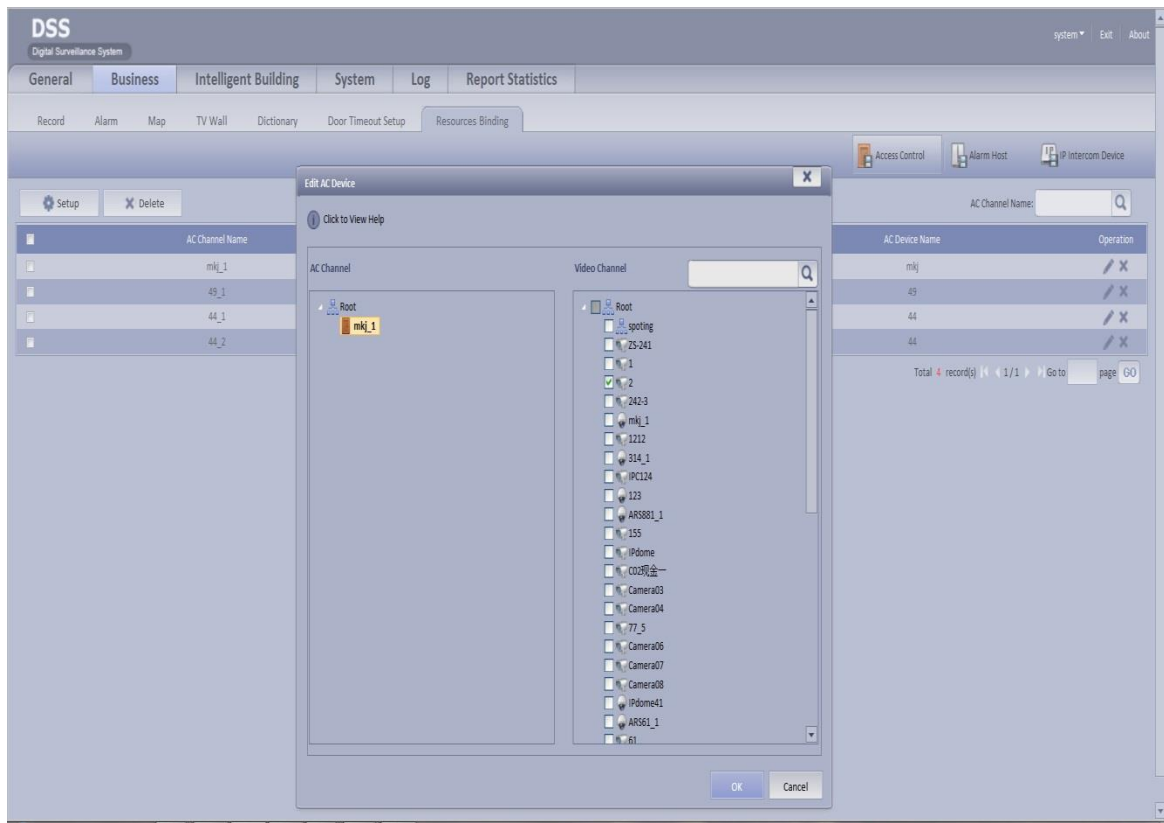


Figure 6- 22

After you bind access control channel and video channel, in Client-end Access Control, double click AC channel, and click “open video”, you can view live preview of this access control. Please refer to Ch 3.2 in DSS-H Client User’s Manual.

# 7 Intelligent Building

## 7.1 People

DSS-H Manager supports management over access control people.

You can add people as well as batch import people information.

Step 1. Select Intelligent Building>People.

Step 2. Click Add. System pops up Add People Info box, see Figure 7- 1.

The screenshot shows a window titled "Add Staff Info" with a close button (X) in the top right corner. The window contains the following fields and controls:

- No.: [Text input field] \*
- Owner: [Dropdown menu, value: "----All----"] \*
- Owner Gender:  Male  Female
- Department: [Text input field, value: "Root"] \*
- User Type: [Dropdown menu, value: "Temporary"]
- Patrol Staff: [Dropdown menu, value: "No"]
- Valid Begin Time: [Text input field]
- Valid End Time: [Text input field]
- Owner DoB: [Text input field]
- E-mail: [Text input field]
- Address: [Text input field]
- Owner Tel: [Text input field] \*
- Note: [Text area]
- Owner Photo: [Text input field] [Browse button]
- Preview: [Image placeholder]

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

Figure 7- 1

Step 3. Configure people no., name, gender, department and etc.

Step 4. Click OK.

You can batch add people info on template, and batch import the info into the system by following these steps:

Step 1. In People tab, click  Template Download to download people info template.

Step 2. In template, batch add people info.

Step 3. Click  Import. System pops up Import Data box, see Figure 7- 2.

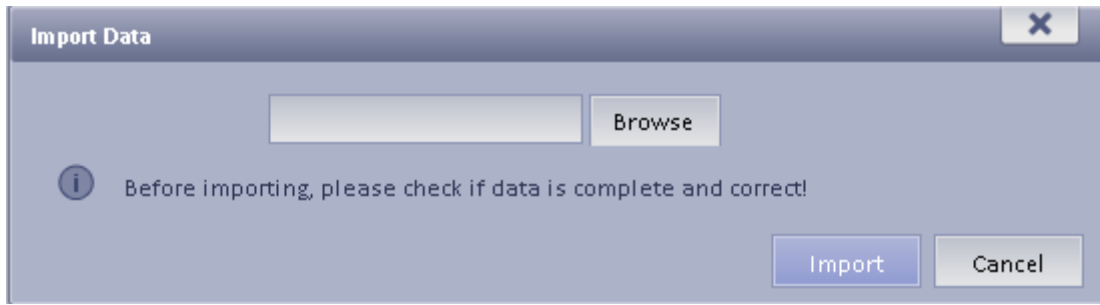


Figure 7- 2

Step 4. Click Browse, and select existing template.

Step 5. Click Import to import template into the system.

## 7.2 Vehicle

DSS-H supports integrated management of vehicles of residents in one residence. .

Vehicle management includes“vehicle management” and “blacklist” two modules, see Figure 7-3.

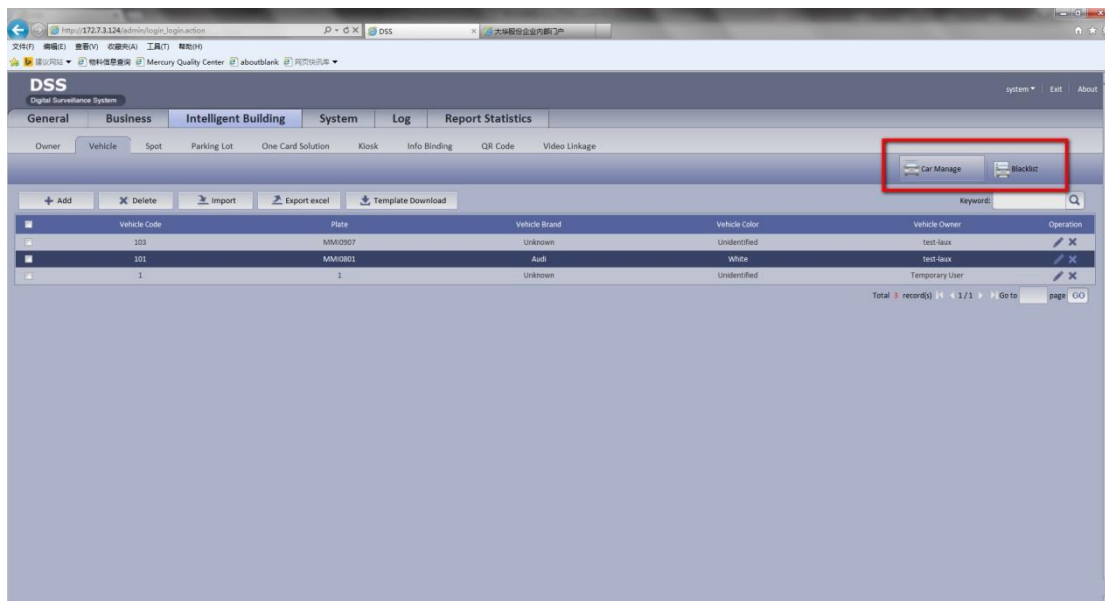


Figure 7- 3

### 1.1.1 Vehicle Management

In vehicle management you can add vehicle info and batch import vehicle info.

To add a single vehicle:

Select “Intelligent Building > Vehicle Management”.

Step 1. Click “Add” .


System pops up “Add Vehicle ” box, seeFigure 7-4.

Figure 7- 4

Step 2. Configure vehicle “code”, “plate no.”, “owner”, “parking lot”, “vehicle photo” and etc.

Step 3. Click “OK” to add vehicle.

You can batch add vehicle info on template, and batch import into system, see:

Step 4. Under “Vehicle Management” tab, click . Download vehicle info template.

Step 5. In template, batch add vehicle info you want to import.

Step 6. Click .

System pops up “Import Date” box, see Figure 7-5.








Figure 7- 5

Step 7. Click “Browse”, select configured template.

Step 8. Click “Import”, import configured template into system.

You can search added vehicle info, and modify/delete/export added vehicle info.

-  , you can follow “keyword search” to search added vehicle info.
-  , edit current vehicle info.
-  , delete current vehicle.
-  , check vehicle you want to delete and delete.
-  , export vehicle info in system, and save as “excel” file.

### 1.1.2 Blacklist

To add a vehicle info to blacklist:

Step 9. Select “Intelligent Building > Vehicle Management>Blacklist”.

Step 10. Click “Add” .

System pops up “Add Blacklist” box, see Figure 7-6.

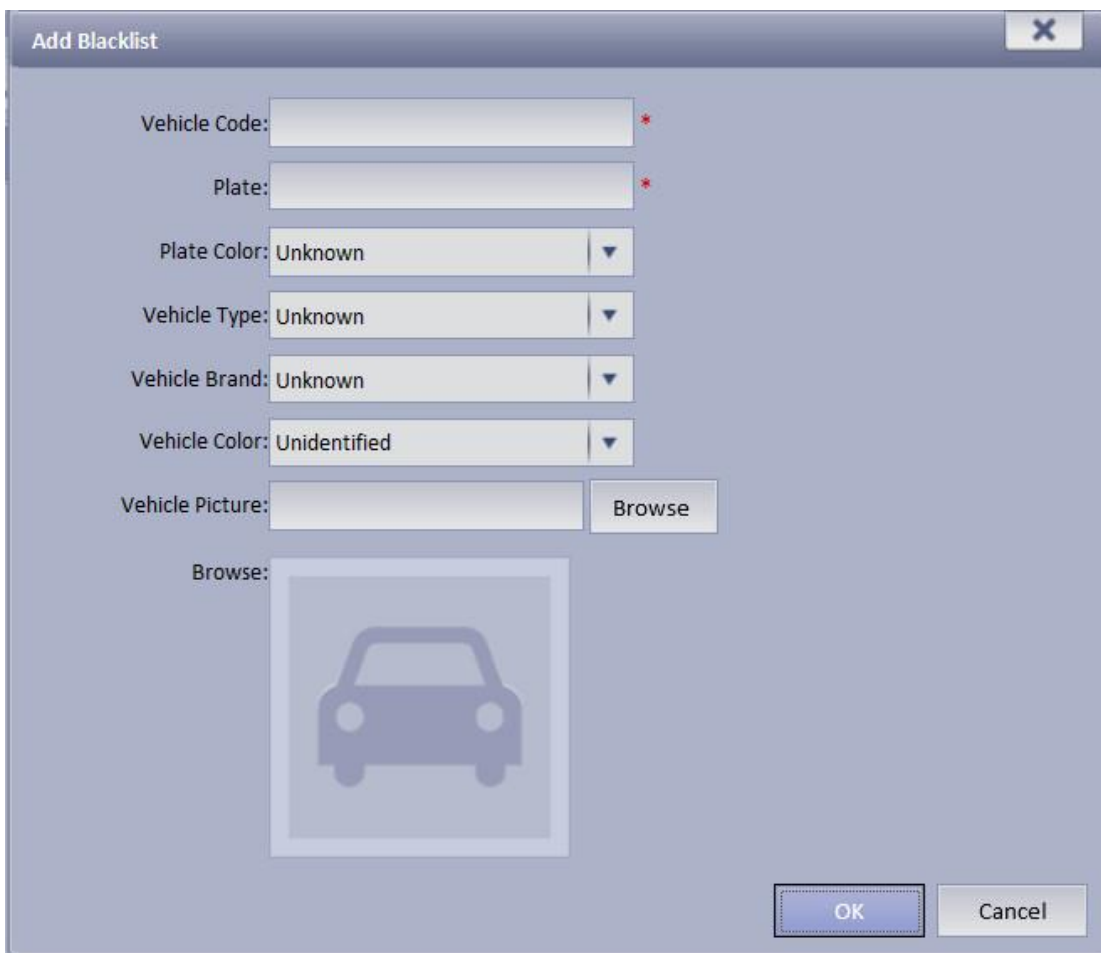


Figure 7- 6

Configure vehicle “code”, “plate”, “picture” and etc.

Step 11. Click “OK”, to complete.

You can batch add vehicle blacklist info, and batch import into system as follows:

Step 12. Under “Vehicle Management > Blacklist” tab, click



Download template.

Step 13. In template batch add vehicle blacklist info you want to import into system.

Step 14. Click .

System pops up “import data” box, see Figure 7-7.

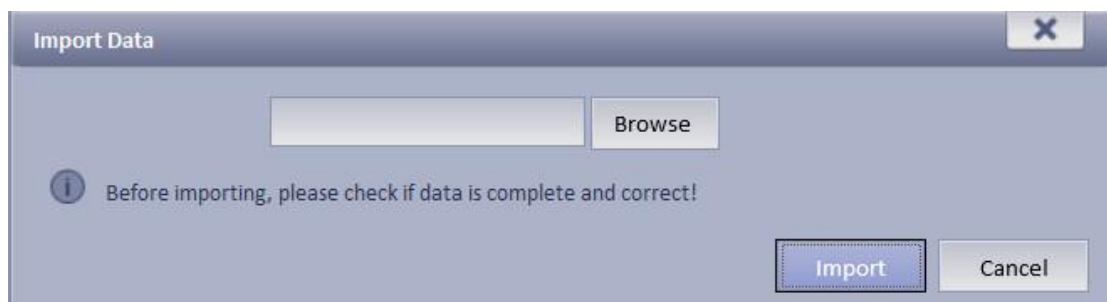


Figure 7- 7

Step 15. Click “Browse”, select configured template.

Step 16. Click “Import”, import configured template into system.

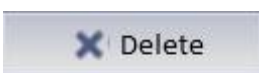
You can search added vehicle info, and modify, delete and export added vehicle info.




, you can follow “keyword” to search added vehicle in blacklist.

-  , edit current blacklist info.

-  , delete current vehicle blacklist.

-  , check info you want to delete and delete.

-  , export vehicle blacklist info in system and save as “excel” file.

## 7.3 Parking Management

DSS-H supports integrated management of parking lot in a residence.

While in Vehicle Management, you can add a single vehicle’s parking spot or batch import parking info.

To add a single parking:

Step 1. Select “Intelligent Building > Parking Management”.

Step 2. Click “Add”  .

System pops up “Add Spot Info” box, see Figure 7-8.

Figure 7- 8

To configure parking spot "name", "code" and etc.

Step 3. Click "OK", to complete.

Step 4. You can add parking spot info on template, an batch import into system as follows:

Step 5. Under "Parking Management" tab, click



Download parking spot info template.

Step 6. In template, batch add parking spot info you need.

Step 7. Click



System pops up "Import Data" box, see Figure 7-9.

Figure 7- 9

Step 8. Click "Browse", select configured template.



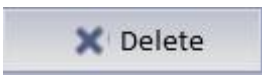

Step 9. Click "Import", to import configured template into system.

Step 10. You can search added parking info, and modify, delete and export added parking.



You can follow "keyword search", "zone type", "allocation status search", "parking

status” to search added parking info.

- , edit current parking info.
- , delete current parking.
- , check parking you want to delete and delete.
- , export parking info in system, and save as “excel” file.

### 1.1.3 Info Binding

Intelligent Building-Info Binding-People Parking Link.

Click Config, go to people parking link interface, see Figure 7-10.

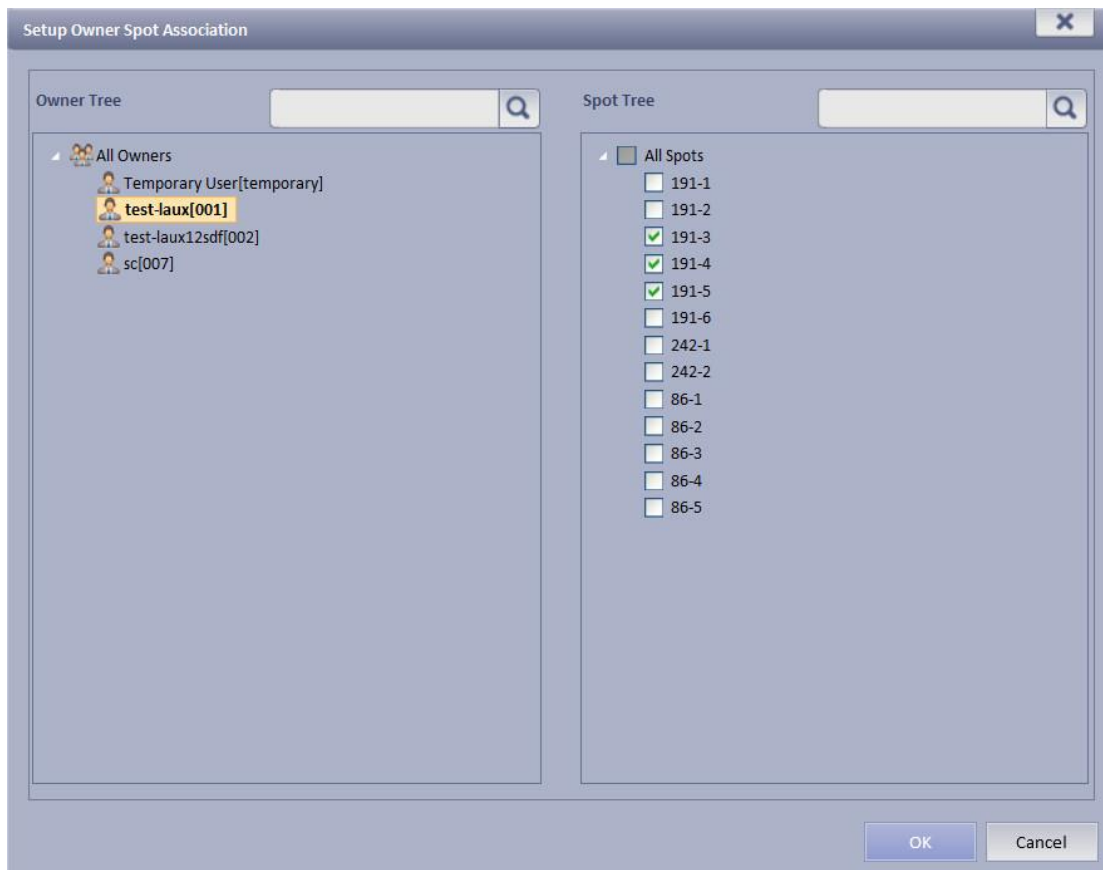


Figure 7- 10

- Step 1. You can find people and parking spot by search, and bind, click OK.
- Step 2. Meantime you can search, edit and delete those successfully configured data.

According to people parking binding operation, the operation is similar to people parking binding, as you can operate “detector parking link”, “parking lot remaining screen link”, “guidance screen parking link”, “barrier link”, see Figure 7-11.

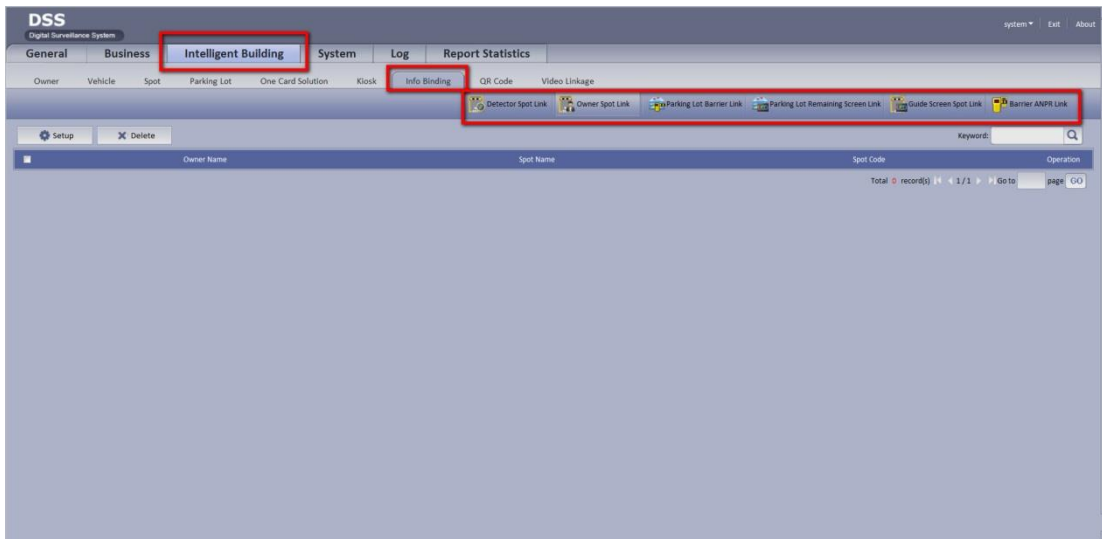


Figure 7- 11

When a vehicle not belongs to the owner parks in the parking spot, it reports occupancy by other, alarm info includes the vehicle plate no., parking no. of the parking spot occupied. If the vehicle is internal vehicle, it will also include name of owner, contact and etc. convenient for staff on duty to notify owner of the illegal parking vehicle. During alarm, live preview of detector bound to the parking spot pops up.

## 7.4 Parking Lot Management

DSS-H supports integrated management of parking lot, including lot and fee rule, see Figure 7-12.

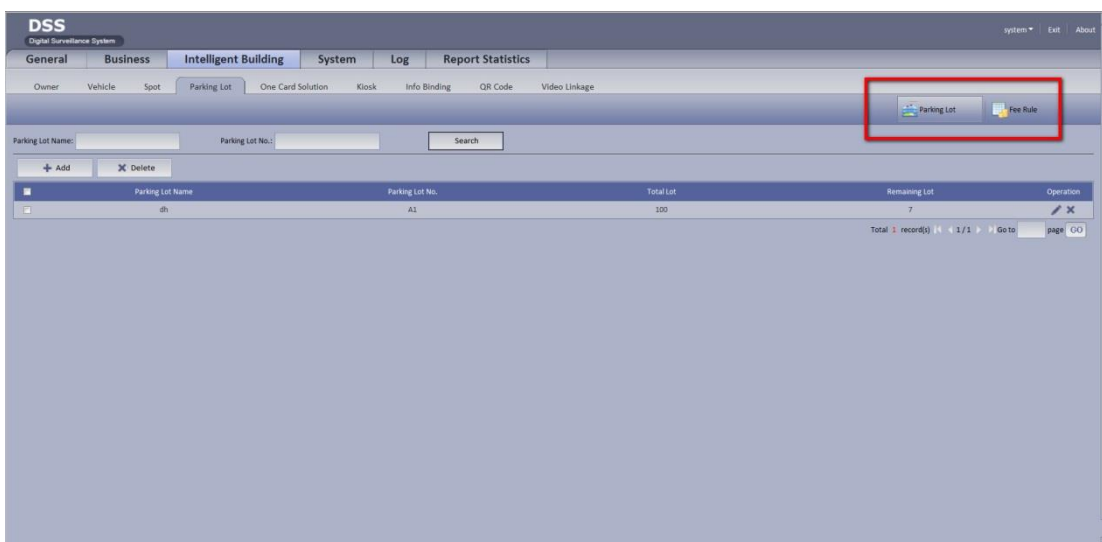


Figure 7- 12

### 7.4.1 Parking Lot

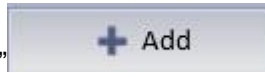
To add lot:

Step 1. Click Intelligent Building>Parking Lot Management, it shows “Parking

Lot Management” interface.

Step 2.

Click “Add”



System pops up “Add Parking Lot” box, see Figure 7-13.

Figure 7- 13

The following are explanations of some parameters:

| Parameter        | Note  |
|------------------|---|
| Parking Lot Name | Set parking lot name according to actual condition.   |
| Parking Lot No.  | Set no., according to actual condition, and do not repeat no.   |
| Total Parking    | Set total parking number according to actual condition.   |
| Remaining Number | Configure and modify currently remaining parking spots.   |
| Main Parking     | You can choose a platform existing parking lot as the current main parking lot, the choice for the current parking lot as the sub parking, sub parking exports only accounting charge, automatic release, costing the parking lot to the mother and then to charge released . When Mother parking lot exit billing, if the residence time in sub parking lot greater than the residence time of the mother, according to the sub parking fee billing; otherwise press female parking lot charging fees. |

| Parameter                           | Note  |
|-------------------------------------|---|
| Parking Full Barrier Control Method | <p>"Prohibit vehicles from entering": when parking lot remaining spot is set to 0, the entrance gate does not automatically release, when the parking lot is the mother of parking lot, if the vehicle has entered the sub parking privileges, then it is possible to enter. "Allowing the vehicle to enter": Whether I bit is 0, it can be released into the vehicle.</p>  |
| Remaining Spot Calculation          | <p>Calculated by parking spot (including proprietary parking spot), I bit through the entire yard parking spot than-bit platforms to be calculated, including all parking spot allocated;</p> <p>Calculated by parking spot (not including proprietary parking spot) yards than the entire platform bit by bit over parking spot to be calculated, ignoring all the assigned parking spot; these two methods applicable to the parking spot in the parking lot detector .</p> <p>Through access control (ignoring proprietary car): decrease by more than the entrance and exit control vehicle position, if there is parking spot in the interior of the vehicle is not calculated.</p> <p>Through access control (not ignored proprietary car) out of the vehicle control decrease by more than bits entrances, including all vehicles.</p> |
| Recognition Mode                    | <p>License plate recognition based / card recognition based: when the vehicle is out of control, look for the corresponding user, if the license plate recognition based, then the license plate of the car license plate to find the corresponding user, if the main card recognition, then swipe record a car through the card to find the corresponding user, not the credit card or a car license plate to find the record. In the "vehicle parking spot corresponds to release" is turned on, the card-based model has entered the spot corresponding to the number of cards and were released parking control, license-based model has entered the license plate number and parking spot corresponding to be released.</p>  |
| Entrance Control Mode               | <p>Barrier Automatic Control: open the function, the platform will be on automatic barrier gate.</p> <p>Internal car automatic release: open the function, platform configuration in the platform will be automatically placed inside the car.</p> <p>External drive automatic release: this function is enabled platform for the configuration of the vehicle platform also automatically placed.</p>  |

| Parameter                         | Note  |   |
|-----------------------------------|---|---|
| Fee Mode                          | <p>Monthly card users to automatically release: open the function, the type of vehicle corresponds to the monthly card users, you can use the period (monthly card payment), the automatic release.</p> <p>Automatic zero charge amount released: open the function, the vehicle charging is 0, direct automatic release.</p> <p>Card plate than deductions: card mode must be turned on in the function, the corresponding stored value card user type is valid, if the card number corresponding user and the corresponding user license plate is the same as for automatic deductions card balances. Successful chargeback is automatically released, then wait for a manual fee deductions fails release.</p> |   |
| Unrecognized Vehicle Release Mode | <p>Unrecognized Vehicle Release Mode: When exit fees, if not find the admission record of the vehicle (which may be no admission to capture or identify the error cause), then proceed with the configuration of the operation: it can be configured to automatically release or in accordance with the minimum count fee.</p>  |   |
| Entrance/Exit Config              | Entrance Card No. and Plate Comparison  | <p>Turn on this feature, you must swipe the card number and license plate counterparts only be placed in the same counterparts.</p>   |
|                                   | Non-internal Vehicle Alarm  | <p>After this function is enabled when external car admission, PES will have external car alarm (Type 4205) ADS reported to the client, the client can be processed according to the type.</p>  |
|                                   | Special Vehicle Auto Release  | <p>After this function is enabled, as long as the configuration of the plate starting automatically released, without access control and billing. All automatic release</p>   |
|                                   | Entrance/Exit Fuzzy Match   | <p>When enabled this feature, select the corresponding matching digits, to capture the external bus, the platform will be based on the current capture fuzzy matching license plate and license plate platform added, find the best match license plate matching rule (fuzzy matching risk of matching errors).</p> |
|                                   | Corresponding Vehicle Parking Spot Release  | <p>With this function enabled, the platform can be controlled, vehicle release and the corresponding vehicle control staff parking spot, a parking spot only allows car (card) automatically</p>  |

| Parameter       | Note  |
|-----------------|---|
| Fee Rule Config | You can select the user type corresponding charging rules. User type rules do not configure charge user fees calculated in accordance with the provisional rules. Corresponding to the user's monthly card fee rules adopted at the monthly card payment expired and not failure. |


Step 3. Configure “Parking Lot Basic Info”, “Entrance/Exit Config”, “Fee Rule Config” and etc. Configure info according to your parking lot need.


Step 4. Click OK to complete.


Step 5. You can search added parking lot info, and modify, delete added parking lot.



, You can following “parking lot name”, “parking lot no.” to search added 的 parking lot info.

-  , edit current parking lot info.

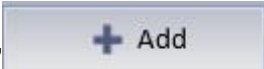
-  , delete current parking lot.

-  , check parking lot you want to delete to delete.

## 7.4.2 Fee Rule

To add fee rule:

Step 1. Click Intelligent Building>Parking Lot Management>Fee Rule , shows “Fee Rule” interface.

Click “Add”  . System pops up “Add Fee Rule” interface, see Figure7-14.

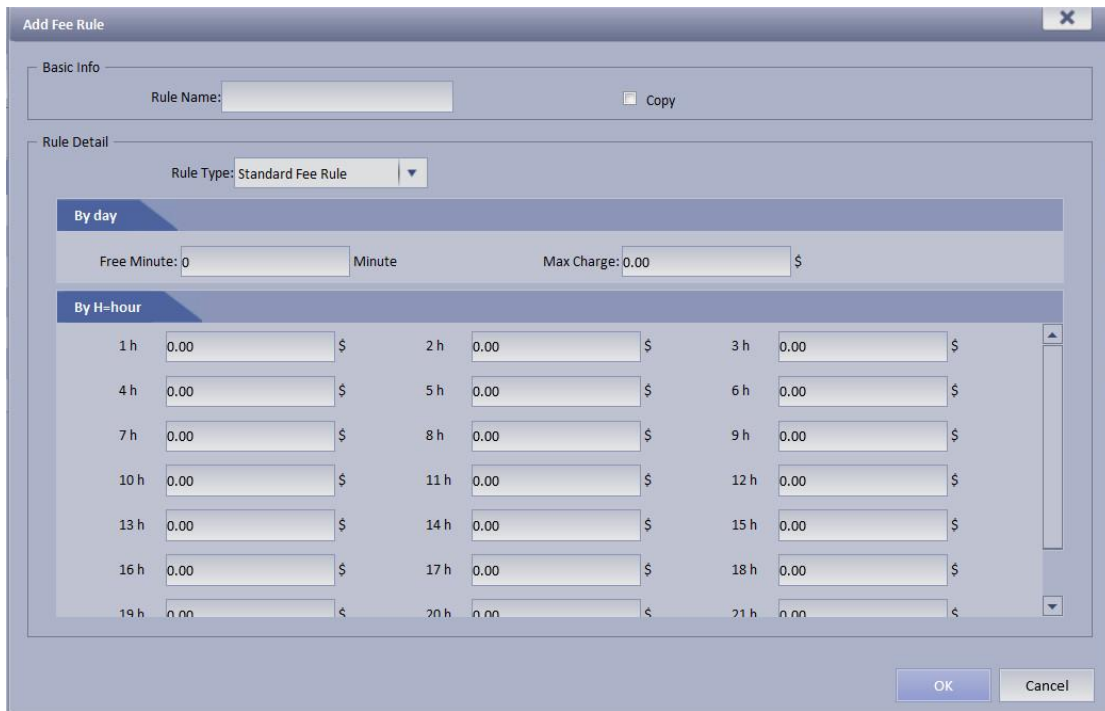


Figure 7- 14


Step 2. Configure “rule name”, “rule type” and etc. Set config info according to your parking lot fee need.


Step 3. Click OK to complete.

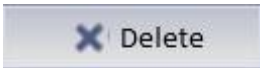
Step 4. You can search added fee rule info, and modify, delete added rule.



You can follow “rule name”, “operator”, “rule type” to search added fee rule info.

-  , edit current fee rule info.

-  , delete current fee rule.

-  , check fee rule you want to delete and delete.

While there are three types of rule: standard fee rule, time fee rule, period fee rule. You can configure according to your need.

### 7.4.3 Info Binding

Intelligent Building-Info Binding-Parking Lot Barrier Link, see Figure 7-15.

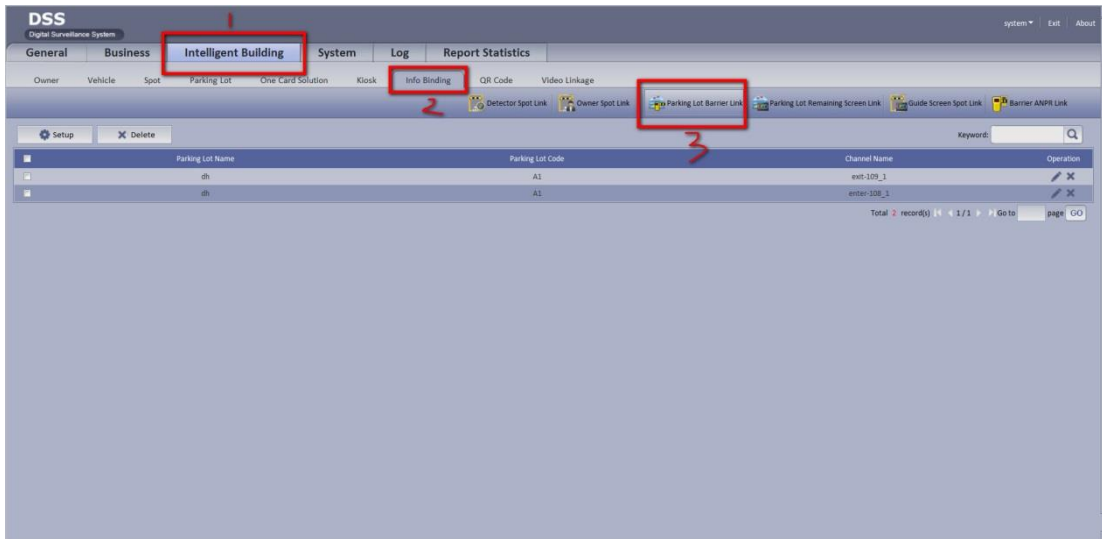


Figure 7- 15

Click “setup”, see Figure 7-16.

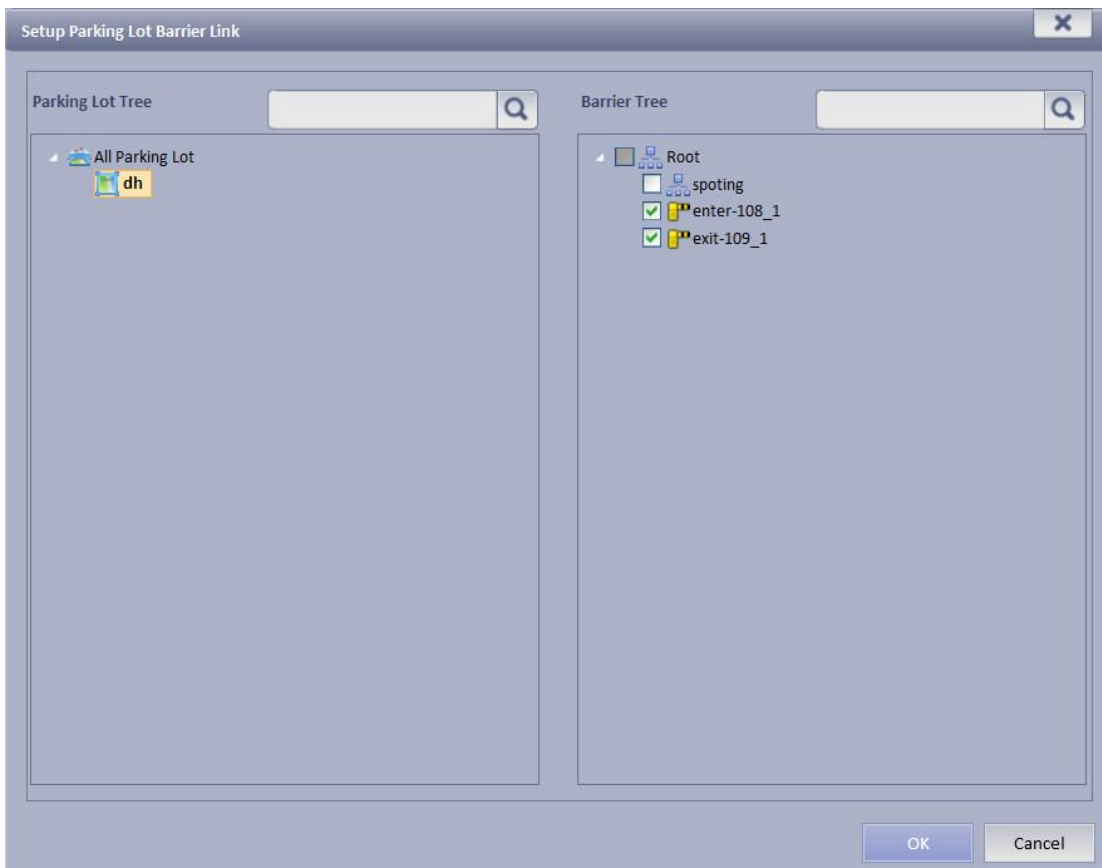


Figure 7- 16

Step 1. Configure link between added parking lot and barrier (barrier here is barrier device added in Device Management), search for the parking lot configured by you, and select it and barrier device, click OK.

Step 2. After config, you can edit and delete configured info, meantime, you can search for config info by keyboard.

## 7.4.4 Parking Lot Management

At Manager end, follow actual zone design, in e-map add main map and hot zone. When you add hot zone of parking lot type, drag parking spot on the left to map, then you can view from “Parking Management” in Client.

Step 1 Business Config-E-map-Add Zone, select hot zone type-parking lot, fill in hot zone name and description of picture you select, see Figure 7-17.

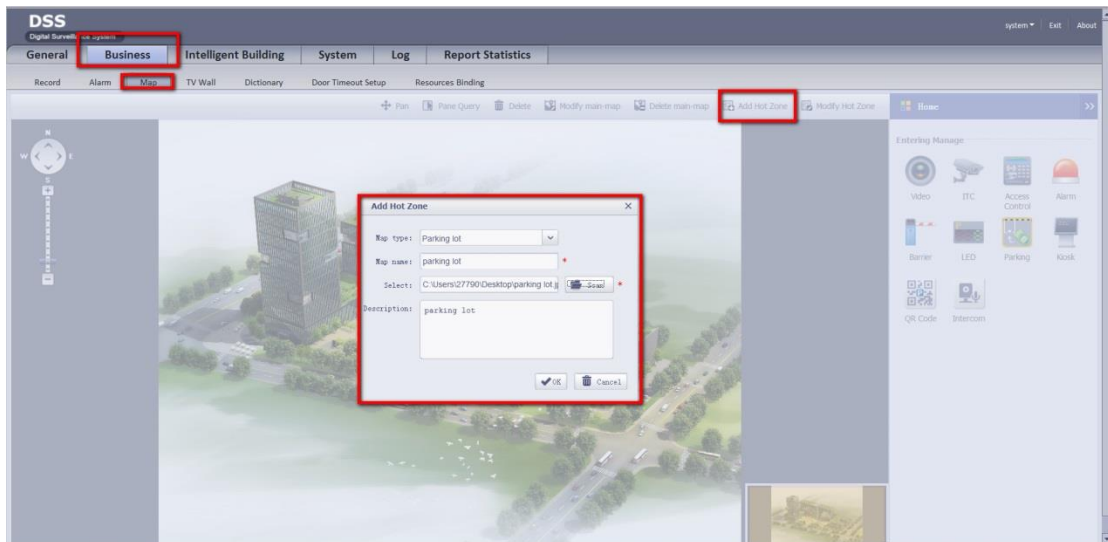


Figure 7- 17

While in Client, Parking Management is to manage the whole building framework, primarily including parking spot display, see Figure 7-18 and Figure 7-19.

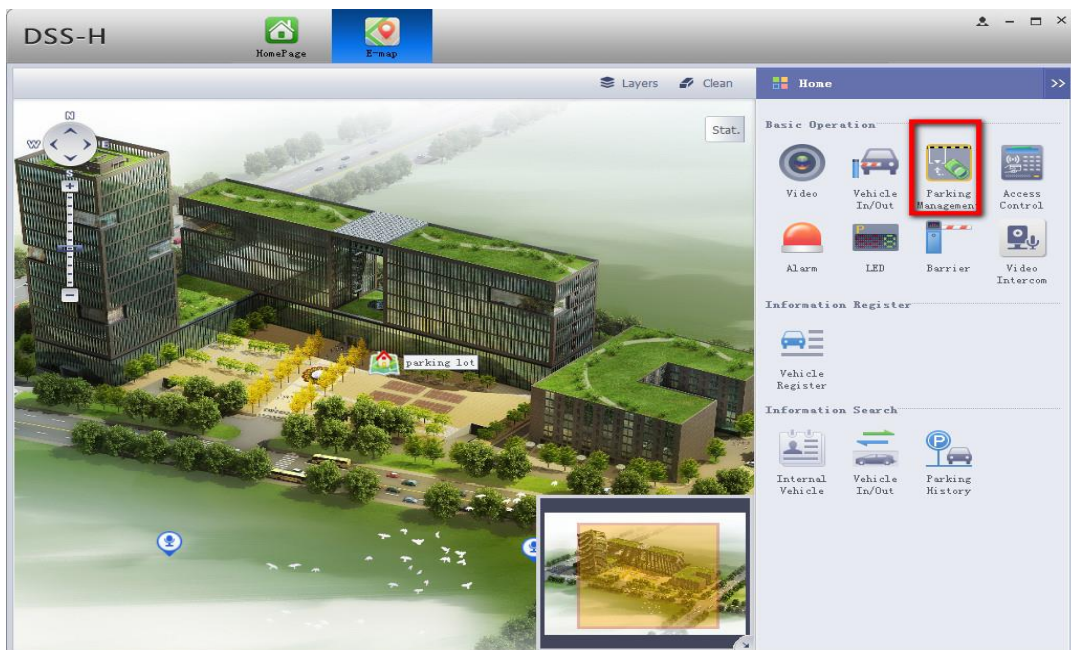


Figure 7- 18

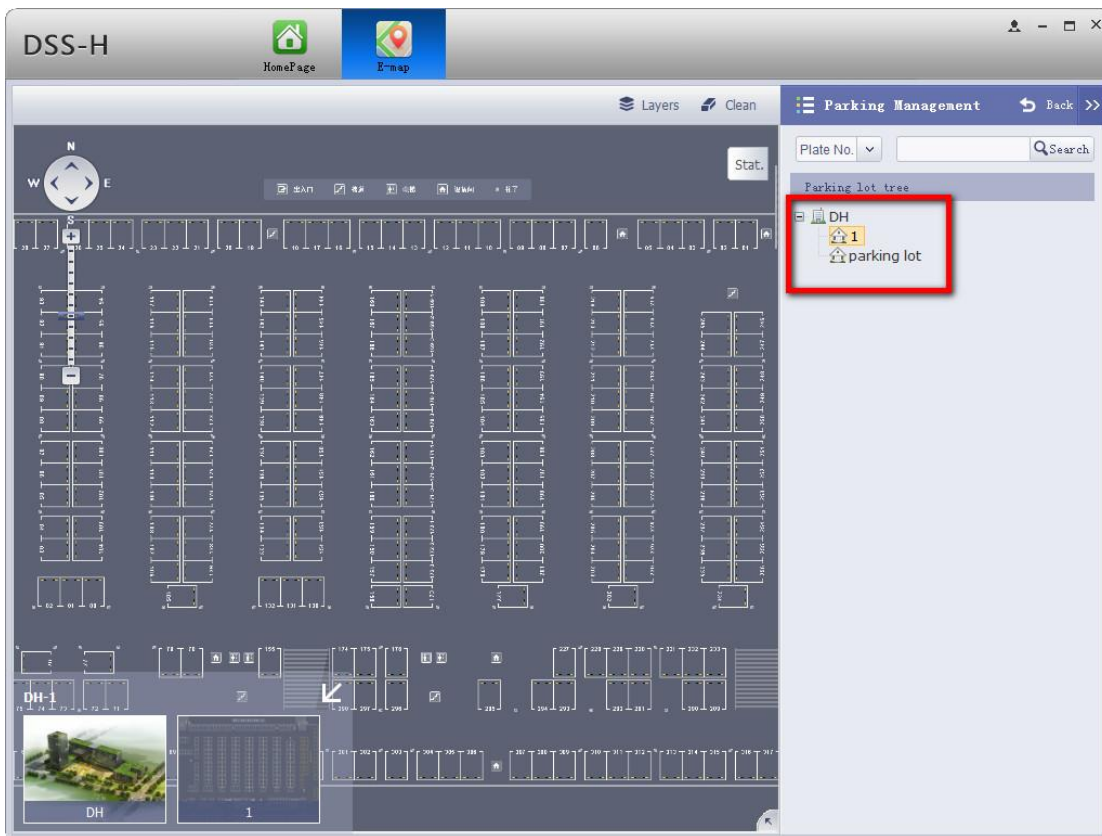


Figure 7- 19

Figure 7-19 is a floor design sketch of parking lot, under channel DH parking lot 1 and parking lot. Double click 1 or parking lot to view this sketch.

### 7.4.5 Parking Spot Config

Manager---Business---E-map, map page switch to parking lot type, under “parking spot record” module, according to actual condition record parking spot into the map, see Figure 7-20.

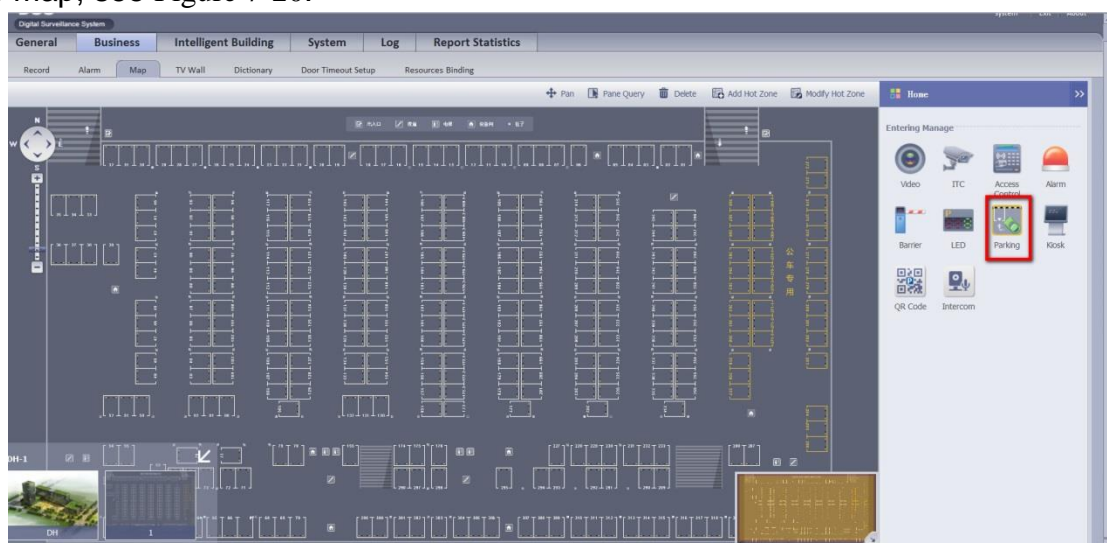


Figure 7- 20

After you drag parking spot to map, according to actual condition, you can move, zoom in/out, change direction of parking spot. After you select parking spot, by pressing and holding no. 1 dot, you can move the parking spot; by pressing and holding no.2 dot, you can change direction of parking spot, convenient for Client parking direction to match actual direction, see Figure 7-21 .

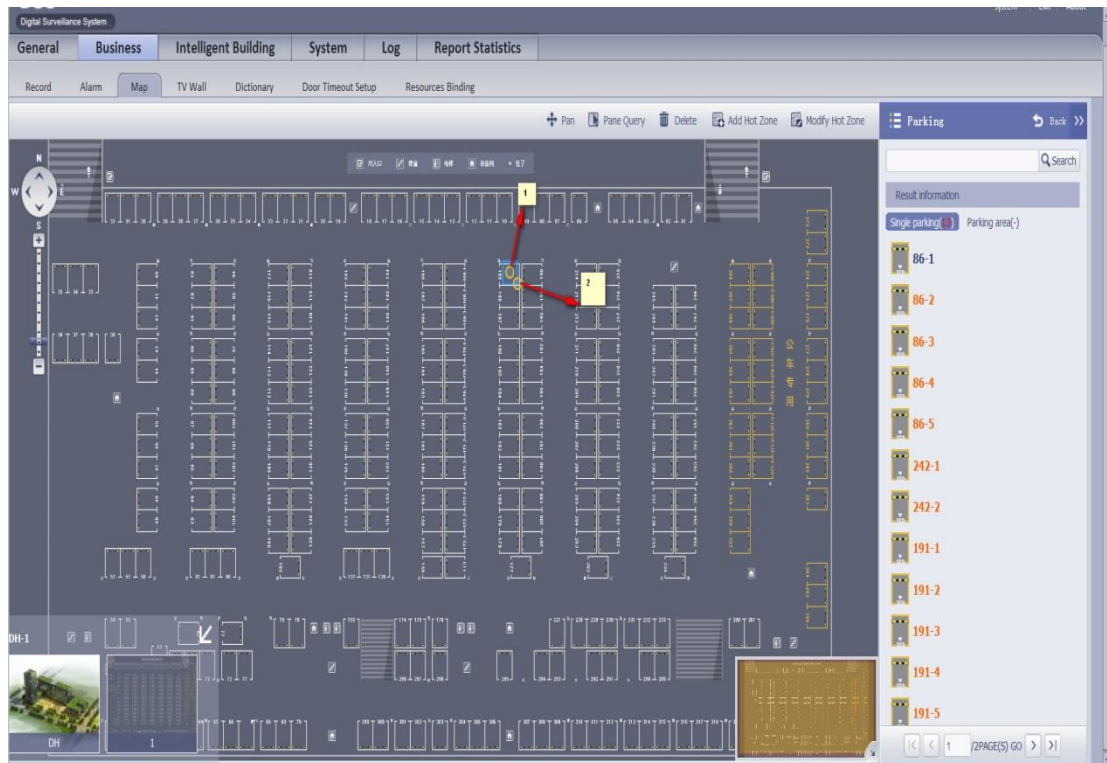


Figure 7- 21

Later you can search for parking history.

The first method support to upload e-map via Client—parking history search, is to search parking histories of all parking spots.

The second method to search for parking history: on e-map click parking spot, in pop-up “Parking History” you can view currently selected parking spot’s history.

## 7.4.6 Parking Spot Detector Use

After detector and parking spot are bound, add parking spot detector to platform’s e-map. If detector enabled parking spots are all full, detector will show a red dot on map. If detector enabled parking spots are not full, detector will show s green dot on map.

## 7.4.7 Barrier Link

Platform manages parking lot, Manager---Intelligent Building---Parking Lot Management, add parking lot in intelligent building. External vehicle free---when allow external vehicle to enter, there is a charge or free of charge.

Barrier auto control---decision, when ANPR bound with barrier snapshots vehicle, either barrier auto opens and releases, or barrier is opened and released by personnel.

Internal auto release---decision, when ANPR bound with barrier snapshots internal vehicle, either barrier auto opens and releases, or barrier is opened and released by personnel.

Special parking spot vehicle release--- decision, when ANPR bound with barrier snapshots special vehicle, either barrier auto opens and releases, or barrier is opened and released by swiping card. (Note: Special parking spot vehicle, as vehicle owner can bind parking spot. This may refer to ---People parking spot link.)

Plate recognition open (loop sensor open) ---decide that when ANPR bound that barrier snapshots vehicle, it either auto open, or manually opened by personnel.

## 7.4.8 Barrier ANPR Link Config

Parking lot entrance/exit, snapshot vehicle via entrance/exit camera bound with barrier, to recognize if it is internal vehicle or not; similarly, for entrance/exit vehicle, it is also snapshot via entrance/exit camera bound with barrier, to recognize if it is internal vehicle or not.

Platform Manager---Intelligent Building---Info Binding---Parking Lot Barrier Link, ANPR snapshot picture after binding, to control barrier.

Platform Manager-Business-E-Map, drag barrier device to parking lot map, and drag to your designated position.

## 7.4.9 Remaining Parking Screen Parking Lot Link

Platform Manager-Business-E-Map-LED record drag remaining parking screen to parking lot map, to your designated position.

Platform Manager---Intelligent Building---Info Binding---Parking Lot Remaining Screen Link, after link, on remaining parking screen you can see total parking spots, remaining parking spots of parking lot.

## 7.4.10 Guidance Screen Parking Spot Link


Platform Manager-Business-E-map-LED record drag guidance screen to parking lot map, to your designated position.

Platform Manager---Intelligent Building---Info Binding---Guidance Screen Parking Spot Link, on guidance screen it shows some remaining parking spots in parking lot, and their direction. It can guide vehicle to park in those spots.

## 7.5 Kiosk

DSS-H supports to add kiosk and announcement.

Step 1. Select Intelligent Building>Kiosk.

Step 2. In the interface, click  Device.

Step 3. Click Add.

Step 4. Configure device name, IP and etc, see Figure 7- 22.

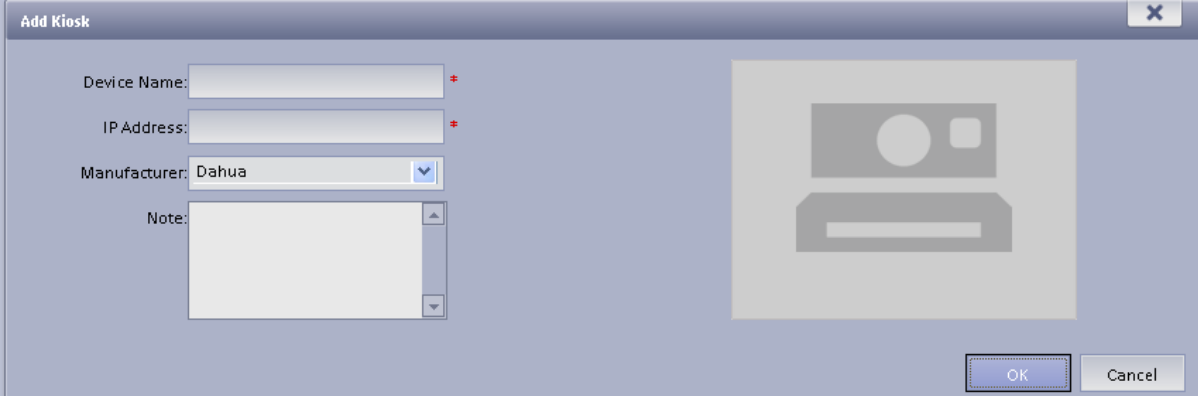


Figure 7- 22

Step 5. Click OK.

## 7.6 Card

DSS-H supports management over access control card and link card to people.

You can add card one by one, or batch import card information.

To add a single card:

Step 1. Select Intelligent Building>One Card Solution.

Step 2. Click Add. See Figure 7- 23.

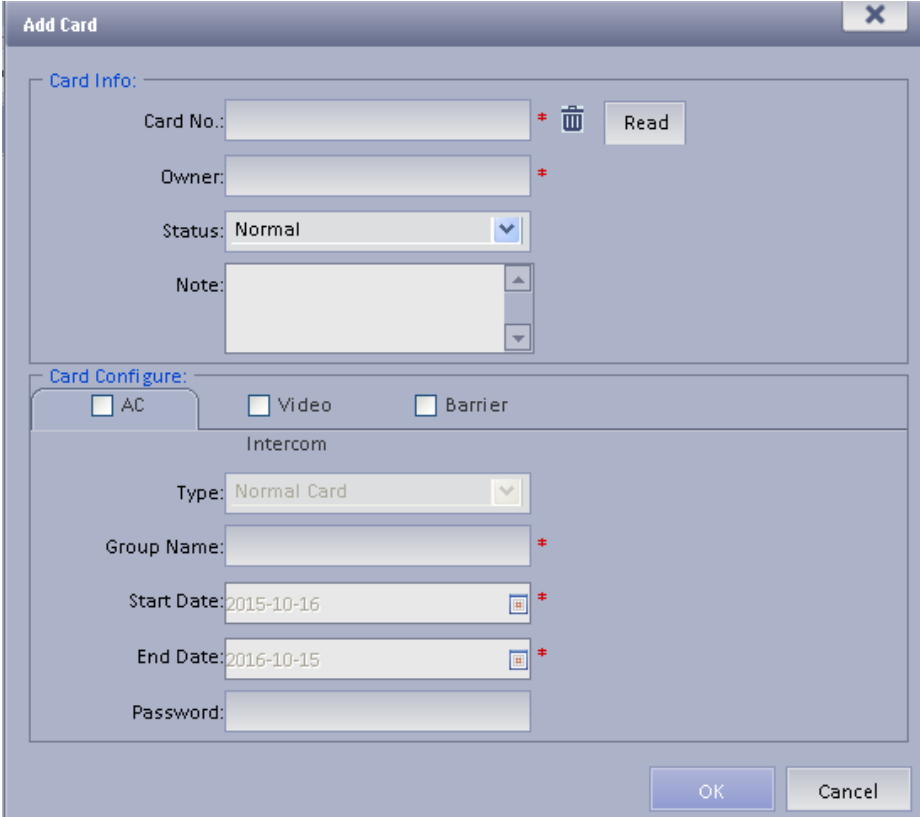
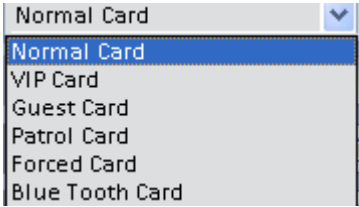


Figure 7- 23

| Parameter  | Note   |
|------------|--|
| Card No.   | Place card the card reader, click Read, it will get card no.   |
| Type       | Card type.<br><br>It includes: |
| People     | Bind the card with people.   |
| Password   | Access control unlock password.  |
| Start Date | Start date of card validity.   |
| End Date   | End date of card validity.   |
| Times      | Max times of card usage.   |
| Status     | Card status.   |

Step 3. According to parameter chart, configure the card.

Step 4. Click OK.

To batch import card info, please refer to Ch 7.1.

## 7.7 Video Linkage

By link ANPR and video channel, when ANPR snapshots, video channel will record the actual scene. So when you search ANPR picture, you can search for link record 10s before and after the search time. You can set ANPR linkage record time on Operator end.

Step 1. Click Video Linkage.

Step 2. Click , see Figure 7- 24.

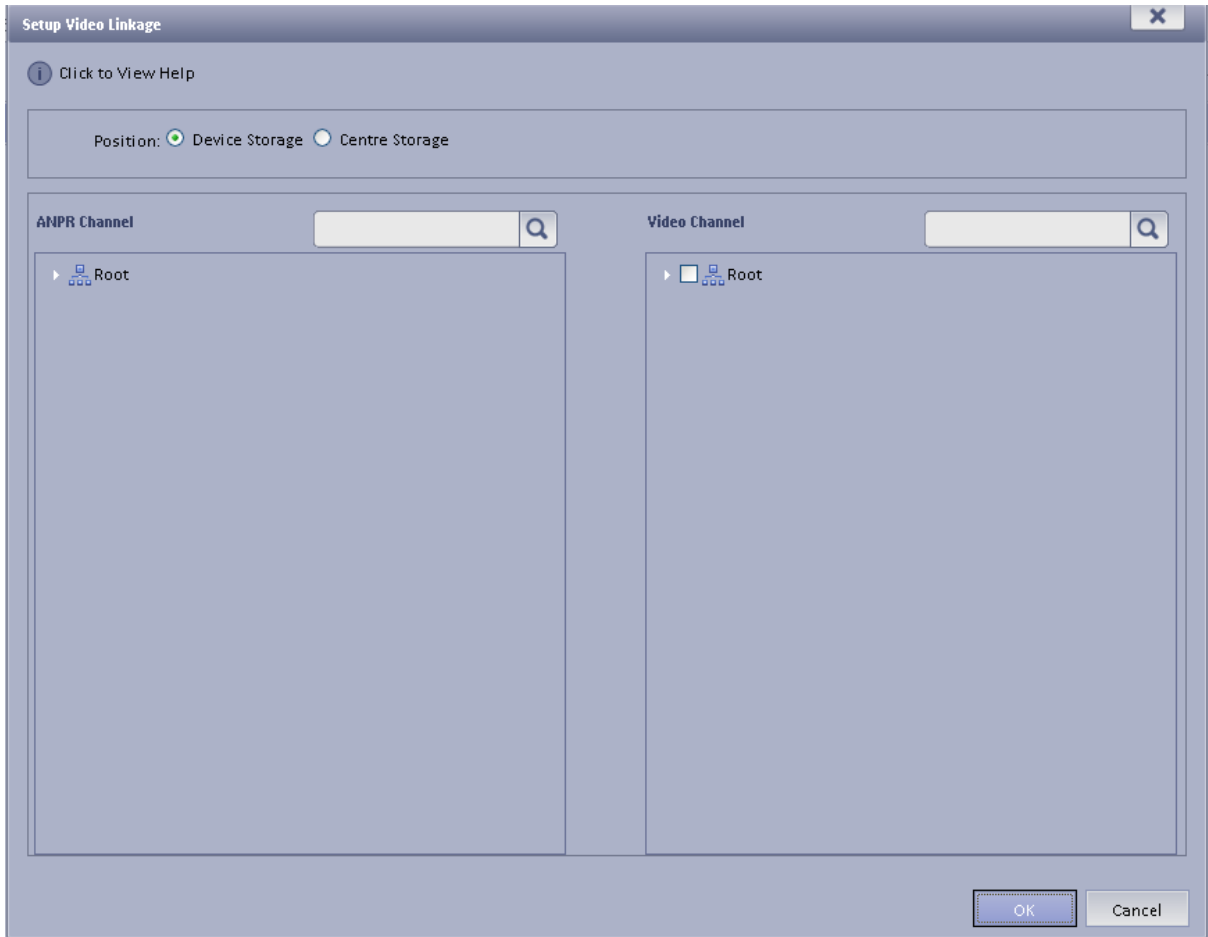


Figure 7- 24

| Parameter     | Note   |
|---------------|--|
| Position      | You can select parameter and note as follows: <ul style="list-style-type: none"> <li>• Device storage, link to record stored on device.</li> <li>• Centre storage, link to record stored on storage server.</li> </ul> |
| ANPR Channel  | Select ANPR channel you want to link video.  |
| Video Channel | Select channel you want to link video with ANPR channel.   |

Step 3. Select storage position, ANPR channel and video channel. See Figure 7- 25.

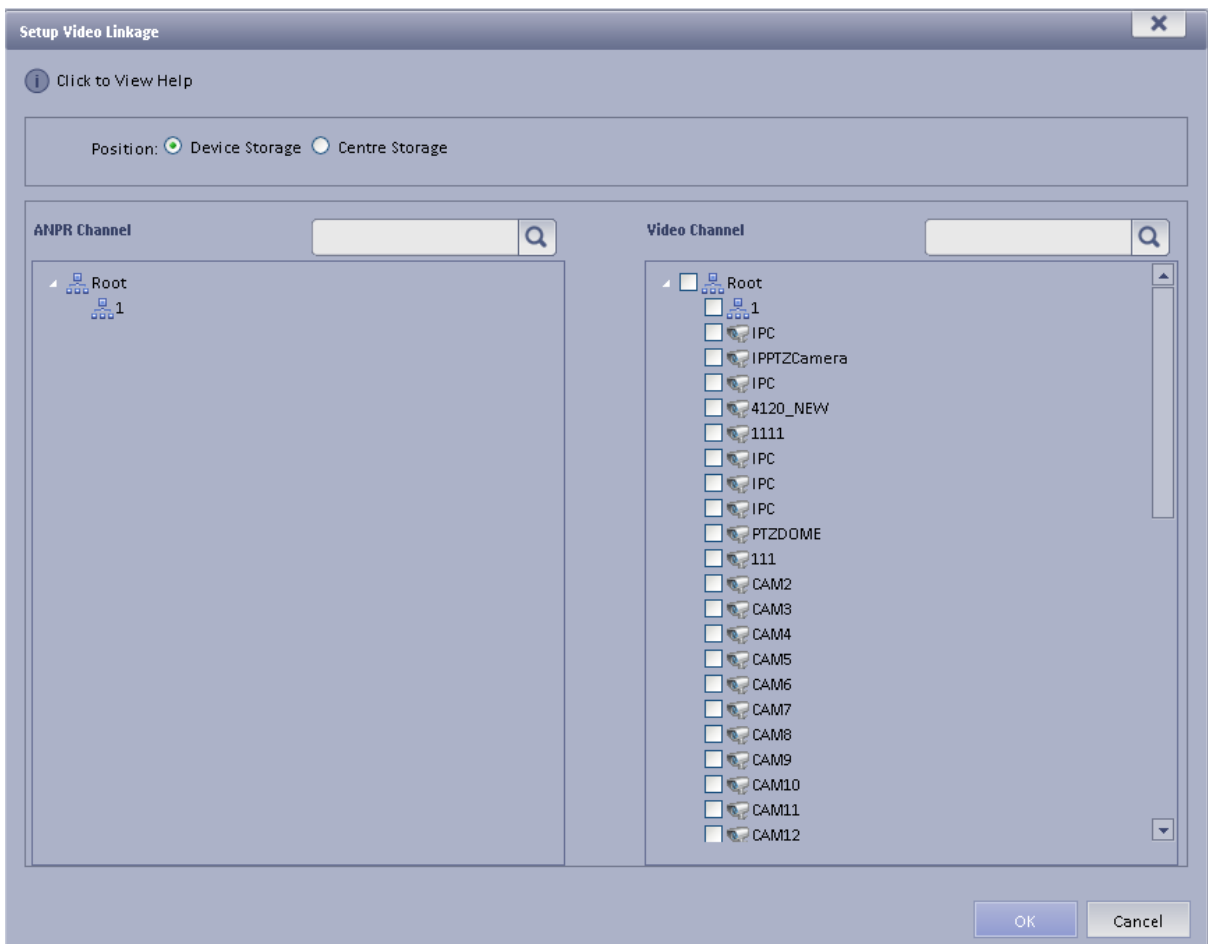


Figure 7- 25

Step 4. Click OK.

# 8 Search Log

In Log, you can search log by filtering out different management log, alarm log, system log and device status log.

| Log               | Note   | Filter  |
|-------------------|--|---|
| Management Log    | Used to record all update operations by Manager. | <ul style="list-style-type: none"> <li>● Module</li> <li>● User</li> <li>● Period</li> <li>● Event</li> </ul>   |
| Alarm Log         | Used to record device alarm condition.           | <ul style="list-style-type: none"> <li>● Device</li> <li>● Alarm type</li> <li>● Alarm period</li> <li>● Alarm status</li> <li>● Process period</li> <li>● Alarm level</li> <li>● Process status</li> </ul> |
| System Log        | Used to record registration status of server.    | Period  |
| Device Status Log | Used to record device online/offline status.     | <ul style="list-style-type: none"> <li>● Device</li> <li>● Period</li> <li>● Device type</li> </ul>   |

For example to search alarm log.

Step 1. Select Log>Alarm.

Step 2. From the device tree on the left, select device or channel you want to search, input alarm type, alarm period, alarm status and etc. Click Search. See Figure 8- 1.

The screenshot shows a search interface with the following filters:

- Type: Alarm (2015-10-16 00:00:00 - 2015-10-16 23:59:59)
- Status: All
- Level: All
- Process: (empty)
- Handle: All

There is an 'Export' button and a 'Search' button. Below the filters is a table with the following data:

| Time                | Device Name      | Channel Type            | Channel Name       | Type             | Status    | Handle  | Process Time |
|---------------------|------------------|-------------------------|--------------------|------------------|-----------|---------|--------------|
| 2015-10-16 13:41:28 | NVR              | Video Direct Connect... | NVR                | Disk Full        | Disappear | Pending |              |
| 2015-10-16 11:41:47 | 1A004AFP...00041 | Alarm Input             | 1A004AFP...00041_1 | External Alarm   | Occur     | Pending |              |
| 2015-10-16 11:12:50 | 1A004AFP...00041 | Alarm Input             | 1A004AFP...00041_1 | External Alarm   | Disappear | Pending |              |
| 2015-10-16 10:46:54 | 1A004AFP...00041 | Alarm Input             | 1A004AFP...00041_1 | External Alarm   | Occur     | Pending |              |
| 2015-10-16 10:41:55 | 1A004AFP...00041 | Alarm Input             | 1A004AFP...00041_1 | External Alarm   | Disappear | Pending |              |
| 2015-10-16 10:41:11 | 1A004AFP...00041 | Alarm Input             | 1A004AFP...00041_1 | External Alarm   | Occur     | Pending |              |
| 2015-10-16 09:48:49 | 1A004AFP...00041 | Alarm Input             | 1A004AFP...00041_1 | External Alarm   | Disappear | Pending |              |
| 2015-10-16 09:47:57 | 1A004AFP...00041 | Alarm Input             | 1A004AFP...00041_1 | External Alarm   | Occur     | Pending |              |
| 2015-10-16 06:47:00 | 1A004AFP...00041 | Video Direct Connect... | IPC                | Motion Detection | Disappear | Pending |              |
| 2015-10-16 06:46:54 | 1A004AFP...00041 | Video Direct Connect... | IPC                | Motion Detection | Occur     | Pending |              |

Figure 8- 1

# 9Report Statistics

DSS-H supports report of open record and payment record.

For example, to report open record.

Step 1. Select Report Statistics>Open Records.

Step 2. Configure period, open results and other criteria.

Step 3. Click Search. See Figure 9- 1.

| Device Name | Channel Name | Org Name | Swipe Person | On-duty Person | Swipe Time          | Operation Time      | Open Results | Operation |
|-------------|--------------|----------|--------------|----------------|---------------------|---------------------|--------------|-----------|
| VT01220B    | VT01220B_1   | Root     |              |                | 2015-09-30 14:13:13 | 2015-09-30 14:13:13 | Open         |           |
| VT01220B    | VT01220B_1   | Root     |              |                | 2015-09-30 13:19:50 | 2015-09-30 13:19:50 | Open         |           |

Total 2 record(s) < 1 / 1 > Go to  page GO

Figure 9- 1

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 peoples.**
- **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.**