Smart Professional Surveillance System User's Manual

Version 1.14.0

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## Welcome

Thank you for using our Smart Professional Surveillance System (SmartPSS)! This user's manual is designed to be a reference tool for operation of your system. Here you can find detailed operation information about SmartPSS.

# 1. Overview and Environment

## 1.1 Overview

SmartPSS is an abbreviation for Smart Professional Surveillance System.

The software is to manage small quantity security surveillance devices. It releases with the device and does not support the products from other manufacturers. It has the following features:

- View real-time video of several camera channels.
- View the playback video files from various cameras.
- Support multiple scheduled arms to realize auto PC guard.
- Support e-map; you can clearly view and manage all device locations.
- Video wall plan setup and can output video wall video at the same time.
- Support extension applications, can send out alarm information to external programs.

### 1.2 Performance

- System max supports 36-channel at CIF resolution.
- Each storage server max supports to save 32-channel video

### 1.3 Environments

For PC there SmartPSS is installed.

Item	Requirements
OS	Windows XP and higher.
CPU	Intel core i3 or higher.
Display card	Intel HD Graphics and higher.
Memory	2GB or higher.
Displayer Resolution	1024×768 or higher.

## 2. Installation and Upgrade

### 2.1 Installation

• Double click "Smart-PSS\_Eng\_IS\_VX.XX.X.exe" to begin installation. See Figure 2-1.

	Please select a language:
۷	English
	OK Cancel



• Select installation language from the dropdown list and then click OK button to go to Welcome interface. See Figure 2-2.

Wholly new, flexible realtime preview v	vith abundant functions
Shining new tool bar, various function	
· · · · · · · · · · · · · · · · · · ·	suitable for more surveillance environments
operation with view interfaces and o	groups
Playback interface based on user exper	iences
Simple and reasonable search steps,	fluent operation
Exported record files support clip op	eration while viewing, natural and fluent operation
Combination of various search mode	s, meets various user experiences
Local storage, PC-NVR	
Total storage solutions, enhance pro	oduct quality
Easily to create a record plan, what	you see is what you get
New tour settings, new alarm configura	ation, new
Quick and accurately create tour tas	ks based on the monitor
Now cohomo cotting interface, prior	itation configuration, easy and clear to use the function

Figure 2-2

• Click next button, you can see an interface is shown as in Figure 2-3. Here you can view End User License Agreement.

END-USER LICENSE AGREEMENT ("EULA")	
<ol> <li>Preface         Please read the following Agreement carefully before installing the Software.     </li> </ol>	E
This End User License Agreement ("EULA" or "Agreement") is an agreement betwee provider, and the provider ("Provider") of approved services. By installing, copying, d the User agrees to be bound by the terms of this Agreement. IF YOU DO NOT AGRI NOT USE THE SOFTWARE. Please immediately stop installing, copying, or otherwise the Software that you have installed or stored.	ownloading or otherwise using the Software EE TO THE TERMS OF THIS EULA, YOU MAY
2. Definitions Software: In this Agreement "Software" means information processing program or functional units, with supporting files of all or part of source code, object code and n record, video record, music, text, code; plus descriptions, functions, features, contex other hardcopies or electronic version of documents or technical files ("Software Pro- of interest or Provider's products. You: In this Agreement "You" means any individual or individual entity, corporate e organization or section that has obtained license to legally use of the Software. Probationary Period: In this Agreement "probationary period" means the period be allows Users to evaluate the Software within its entity.	elevant images, photos, icons, video, sound nts, quality, tests, user manual, EULA and duct" or "Software") relevant to the Software entity including company, enterprise,
3. Software Permit On the condition that You comply with the Accompany, Dravider const You the pr	ermite of
Refuse C Accept	
	Back Next Cancel

Figure 2-3

• Please check the Accept item and then click Next button to continue. System pops up module installation dialogue box. See Figure 2-4.

Please select the functions you to install. Click [Next] to contin SmartPSS PC-NVR	Description SmartPSS is a management software used to manage small batch of security monitoring device, designed for DVR, NVR, IPC, decoder, matrix, VTO, AC. It supports live preview, playback and download, video wall, e-map and multiple screen business. Meantime it integrates access control (including: monitoring/human resources/authorization/video link/e-map/log search) and video talk (including: monitoring/talk/announcement).	
Need Space(unit as MB): 413	Back	Next Cancel

Figure 2-4

• Check SmartPSS item and then click Next button, you can see there is an interface asking you to specify installation path. See Figure 2-5.

Click [Install] to continue. Click [Browse] to install in different folders.

	Erowse
n older version is detected under this path. To update and ath, please remove the old one first. Please note: Backup	
The free space of C is 36577MB	The free space of E is 135082MB
The free space of D is 71398MB	The free space of F is 126038MB

Figure 2-5

• After you select installation path click Next button, system begins installation. The interface is shown as in Figure 2-6.

w interfaces and gr	suitable for more su	veniance environme		
	oups		1115	

Figure 2-6

• During the installation process, you can click Cancel button to exit. After installation, you can see an interface is shown as below. See Figure 2-7.

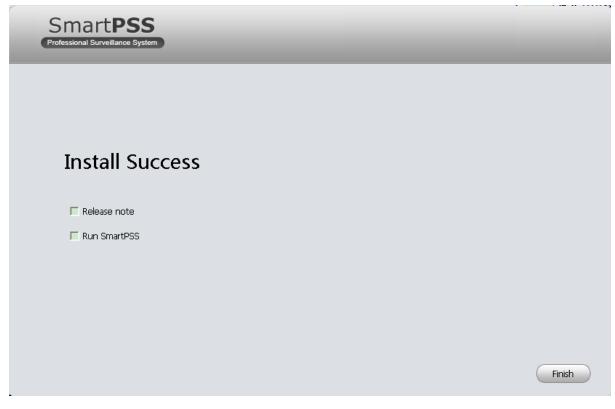
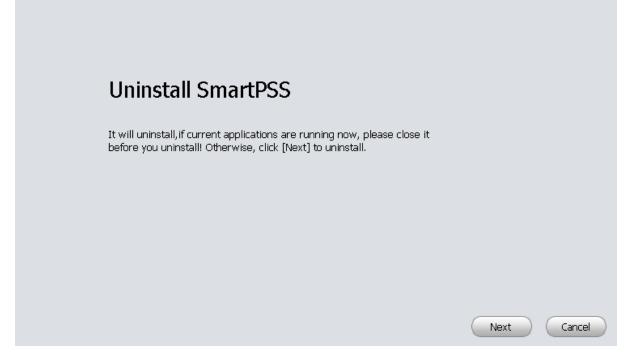


Figure 2-7

• Click Finish button, you can complete the installation.

### 2.2 Un-installation

1) From Start -> All programs->SmartPSS, select Uninstall SmartPSS item. System pops up the following dialogue box. See Figure 2-8.



- 2) Click Next button, you can see an interface shown as in Figure 2-9.
- 3) Check the box here to remove SmartPSS. You can check the box to remove PC-NVR too. Click Uninstall button to remove.

Please choose the components that you want to uninstall,Delete the modules you do not want to install.Click [Uninstall] to continue.	
I PC-NVR I SmartPSS	
	Uninstall Car

Figure 2-9

# 3. Setting



Double click SmartPSS icon SmartPSS, you ca

, you can go to the login interface.

### 3.1 Login Interface

Login interface is shown as in Figure 3-2.

- User name: Input the user account
- Password: Please input corresponding password to log in.
- OK: Click this button, system can verify the account and then enter the software homepage. (First time login shows device interface.)
- Cancel: Click this button to exit login interface.

#### Note:

• If it is your first time to run the SmartPSS program, you need to set admin password, see Figure 3-1.

Set	administrator password	×
Password Confirm Password		
	OK Cancel	

Figure 3-1

- System initial username is "admin", but initial password is set by user.
- You can memory your password, so that when you can log in the next time, you do not need to input user name and password. Please note this function is for your convenient only. **Do not** enable this function in public PC.

SmartPSS Professional Surveillance System
User Name:
Password:
Remember Password
Login Exit

Figure 3-2

## 3.2 Homepage

Click Login button, system begins verifying user name and password and then go to the homepage. See Figure 3-3.



F	ia	ur	е	3.	-3
•	·Э	<u>u</u>	0	0	0

#### Please refer to the following sheet for detailed information.

SN	Parameter	Function
1	Menu	Here you can view main page icons and current open function icon. Click add button to add a function icon on the top pane.
2	Basic	It includes live view, playback, alarm manager, access control and video intercom.
3	Extension	It includes video wall, data report, and log search.
4	Settings	It includes devices manager, signals manager, alarm setup, tour and task, PC-NVR, video wall management, account, general setup and etc.
5	SmartPSS basic information	It is to display current time, username, login time.

### 3.3 General

If it is your first time to login the SmartPSS, you need to set system parameter. It includes network performance, log save time, login SmartPSS or not, picture and record saved path. Please follow the steps listed below.



Click the **button**; you can go to the general interface. See Figure 3-4.

It is to set capability, language, time and etc.

0.11	nart <b>PSS</b>		(
_		HOME PAGE GENERAL ADD	
*	Basic		
	File	Set SmartPSS basic parameters such as log saved time, instant playback time, network capability and etc. System needs to restart to activate language and time setup.	
♪	Alarm	Log Saved Time 30Day (Activated after restart)	
	Version	Instant Playback Time 5minutes	
		Network Capability 1000M	
		Default Device Tree (By Device) V (Activated after restart, including preview, playback, TV wall functions)	
		Resume LiveView Status     Device No. Setup	
		☑ Auto login device (Activated after restart)	
		✓ Auto login SmartPSS	
		Language English V (Activated after restart)	
		Sync Time 08:00:00 Sync Now	
		Time Format 24-Hour (Activated after restart)	
		Short Cut Real Display Full Screen	
		Device User Name: admin	
		Device User Password: •••••	
		Default Save	

Figure 3-4

#### Please refer to the following sheet for detailed information.

ltem	Function			
Log Saved Time	Saved Here you can set log save time. System automatically overwrites of files once it reaches the period you set here.			
Instant Playback Time It is to set instant playback time. If you set 5 minutes, then it video starting 5 minutes prior to current time.				
Network capability	It is for you to set network function. It includes: "Low", "10M", "100M", "1000M".			
Default Device Tree	Set device tree display of preview, playback and other modules. Device tree (by device) as group by device. Region/Tree (by channel) as group by channel.			
Resume Previous State	System restores previous liveview status after it restarts.			

Item	Function			
Device No. Setup	Customize no. for video channel with device, when NKB is connected, you can open video channel according to your customized channel no.			
Auto login device	When program start up, auto login existing device or not. If you select this parameter, then at next login, it auto logs in existing device.			
Auto login SmartPSS	Check the box here, you can login SmartPSS directly without inputting user name and password.			
Language	Software language.			
Sync time	Check the box here to enable time synchronization function and then input synchronization time. SmartPSS can auto synchronize time with the PC at the time you specified. Click Sync now button to begin synchronization now.			
Time Format	System time format. It includes 12H/24H.			
Short Cut	Set preview window, record playback, alarm management, e-map and etc.			
Device User Name	Set device login username.			
Device User Password	Set login password.			

### 3.3.1 File Path

File configuration interface is shown as below. See Figure 3-5.

Here you can set snapshot picture and record file default save path.

Configuration file path: It is to import or export configuration file. If you change path to D disk, you can export current software user information to D disk. If current software has installed at the D disk, you can import user information to current software.

	nart <b>PSS</b>		ERAL ADD	- 0
¢	Basic			
	File	Set SmartPSS file	e path (such as snapshot, record, user configuration and etc.)	
≙	Alarm	Snapshot Path	VSmart Professional Surveillance System/SmartPSS/Capture Browse	
	Version	Record Path Config Path	iy/Smart Professional Surveillance System/SmartPSS/Record Browse iles (x86)/Smart Professional Surveillance System/SmartPSS Browse (Activated after restart)	
			Default Save	

Figure 3-5

## 3.3.2 Alarm

It is to set alarm prompt audio. The interface is shown as below. See Figure 3-6. Configure alarm type prompt. Click Save.

	nart <b>PSS</b> sional Surveillance System		+ ADD	★ ≞ ? -  ×
\$	Basic			
	File		alarm audio and trigger map alarm flash function or not.	
♪	Alarm	Link ∨ideo Type	Main Stream 🔽	
B	Version	Alarm Tone	Open Audio     Loop Play     All	
_			Alarm Type Video Loss 🔽	
			mart Professional Surveillance System/SmartPSS/sound/en/video lost.wav Browse 🎧	
		E-map flashes	☑ E-Map flashes when an alarm occurs	
				Default Save

Figure 3-6

### Tips

You can click Default button to restore factory default setup.

User config file storage path is used to import and export user config file. If current user config file storage path is modified to other path, then it means all users' config info are exported. If user re-install, he can export previous all user's config info to current client.

If he re-install the software and import previously exported user config info, after being saved, original user config info will be successfully imported into current client.

### 3.3.3 Version

Click the version button; you can go to the following interface. Here you can view software version information.

## 3.4 Account

Here you can add, modify or delete a user.

### 3.4.1 Add role

1) Click in the Settings pane, and then click role button, you can go to the following interface. See Figure 3-7.

	artPSS	HOME PAGE		+ ADD		Å≞? — □
User	Role	HOMEPAGE	GENERAL	ADU		
Add	Delete					
All	Role		Members		Operation	
1	admin		1			

Figure 3-7

2) Click Add button, the interface is shown as in Figure 3-8.

		Add User		×
User Name		Role	admin 🔻	Add Role
Password		Confirm Password		
Remarks		_	_	
User Rights	<ul> <li>Channel Rights         <ul> <li>Liveview</li> <li>Playback</li> <li>Export</li> <li>Ptz</li> <li>E-focus</li> </ul> </li> <li>Menu Rights         <ul> <li>Liveview</li> <li>Playback</li> <li>Alarm</li> <li>Access</li> <li>Intercom</li> </ul> </li> </ul>	Channel Rights	Save	Cancel

Figure 3-8

- 3) Please input a role name and check the corresponding role rights. You can input some reference information if necessary.
- 4) Click Save button.

Tips

Select a role and then click Modify/Delete button to modify or delete a role.

### 3.4.2 Add user



1) Click in the Settings pane, and then click user button, you can go to the following interface. See Figure 3-9.

	artPSS al Surveillance System			🛃 🔸		.≜ ? -
		HOME PAG	GE ACCOUNT	GENERAL ADD		_
User	Role					
Add	Delete					
All	Name		Role	Remarks	Operati	on
1	admin		admin	admin user	/	

Figure 3-9

2) Click Add button, you can see system pops up the following interface. See Figure 3-10.



### Figure 3-10

3) Select a role from the dropdown list, input user name, password and confirm password. Input some description information if necessary. Select rights for the new user.

4) Click Save button to add a new user.

Please refer to the following sheet for detailed information.

ltem	Function
User name	Please input user name here.
Role	You can select user role from the dropdown list. Or you can click Add role button to add a new role.
Password	Please set user password.
Confirm password	Please input new password again.
User Rights	Here you can check the box to select corresponding rights for current user. If the new user is a manager, system checks all rights by default.

5) Click Save button to add a new user.

#### Tips

Select a user name and then click Modify/Delete button to modify or delete a user.

### 3.5 Device Manager

Here you can add, modify and delete a device. You can also implement device channel group function.

#### Auto Add



- 1) Click icon. System displays device manager interface.
- 2) Click Refresh, search device within the LAN. You also can enter device segment, and click search to search devices within the same segment.
- 3) Check device, click Add as auto add device. You also can double click the device you want to add. The added device will be shown in list below, where you can view device type, channel and status. You can modify, logout and delete the device.

#### Manually Add

You can refer to the steps listed below to add, modify or delete a device manually or automatically.



1) Click **Click** icon in the settings pane, system goes to the device manager interface; you can see an interface is shown as in Figure 3-11.

SmartPS Professional Surveillance S		ICES ADD				* # ? - 🗆
Search Add	Delete Import	Export			All Devices: 0	Online Devices: 0
No. Name	▲ IP/Domain Name Type	Model	Port	Channel Nur Online Status	SN	Operation
						Þ

Figure 3-11

2) Click Manual Add button, the interface is shown as in Figure 3-12. Please input the corresponding information and then click Add button.

	Manually Add	×
Device Name:		
Method to add:	IP/Domain 🔽	
IP/Domain Name:		
Port:	37777	
Group Name:	Default Group 🔍 🔽	
User Name:		
Password:		
Save	and Continue Add Cancel	

Figure 3-12

Please refer to the following sheet for detailed information.

Item	Function
Device name	Please input a device name here.
Register Mode	By IP/domain and SN.
IP/Domain name	Device IP address or domain name. Note: You can add device of IPV6 or IPV4 address.
SN	Device SN. Note: For P2P device only.
Port	Device IP port. It is 37777 by default.
Group Name	You can choose one group.
User name	The user name you login the device.
Password	The password you login the device.

3) Click Add. You can click Save and Continue to add next device. Added devices are shown as in Figure 3-14.

	Name 🔺	IP/Domain Name	Type	Model	Port	Channel Nur	Online Status	SN	Opera	tion		
		10.15.6.57	Type	INIOUEI	37777	Channer Ivur	Online ( please cha				R	×
		10.15.6.76			37777		Offline(Invalid user n		/			
з (		10.15.6.82	NVR	NVR	40008	8/0/0/0	Online ( please cha	1A031B1P/				
4 (	10.15.6.96	10.15.6.96			5050		Offline(Can not find	N/A	/	*	Œ	×

#### Tips

Select a device in the list, and then:

- Click / to modify, or click \* to delete it.
- Click to set device.
- Click G to login the device manually.
- Click Export button and then select save path to save current device list to .xml file.
- 4) Click Import to batch import local config in .xml format. Or you can import with Easy 4IP account. See Figure 3-15.

Device	Import ×	:
Local	From www.easy4ip.com	
Local Path	۲	
	Import Cancel	

Figure 3-14

If the system config enables device no. setup, then you can see in operation column of device.

1. Click , system pops up device no. setup box, see Figure 3-16.

Vo.	Channel Name	Number
18	adfadfadsfasdfadsf3443rfadfadfa	2018
19	CAM 19	2019
20	CAM 20	2020
21	CAM 21	2021
22	CAM 22	2022
23	CAM 23	2023
24	CAM 24	2024
25	CAM 25	2025
26	CAM 26	2026
27	CAM 27	2027
28	CAM 28	2028
29	CAM 29	2029
30	CAM 30	2030
31	CAM 31	2031
32	IP PTZ Dome	2032

Figure 3-15

2. Click list, you may edit/input no., see Figure 3-17.

Device No. Setup					
No.	Channel Name	No.			
1	Channel 1	2001			
2	Channel 2	2002			
3	Channel 3	3333			

Figure 3-16

NKB keyboard can encode channel and control channel, as it can directly open channel video by encoding. For more information, please refer to NKB user's manual.

### 3.6 Device CFG

After you added a new device, you can go to the signals manager interface to set parameters.

On the homepage, click

button in the Settings pane, you can go to the following interface. See Figure 3-17.

SmartPSS Professional Surveillance System	HOME PAGE	EE CFG ADD	_	_	_	≛≞?-⊡×
Input search oftens         Q                ← Default Group               0155177109               0156533                 ↓ 015633               1015633               1015633                 ↓ 015663               1015684               1015686	General	Remote Device	Encode	Image	PTZ Control	
	Event Video Detect	Alarm	Abnormality	Smart Config		
	Storage Record	HDD				
	Maintenance	Maintenance	WEB			

Figure 3-17

### 3.6.1 General

#### 3.6.1.1 Network

Here is for you to set network information such as TCP/IP, connection, PPPoE, DDNS, IP filter, SMTP, Multicast, and alarm centre. See Figure 3-18.

		Network - 10.15.6.33		×
тср/ір				
Connect	Mode	le Static in Chick		
PPPoE	MAC Address	90:02:A9:24:65:59		
DDNS	IP Version	IPV4		
IP Filter	Subnet Mask	255.255.0.0		
SMTP	Default Gateway Preferred DNS	10.15.0.1 8.8.8.8		
Multicast	Alternate DNS	8.8.4.4		
Alarm Centre				
			Apply Save	Cancel

Figure 3-18

### 3.6.1.2 Remote

Here you can add remote device manually or automatically. See Figure 3-19.

All I	IP	Port	Device Name	Protocol Type	Device Type				
1	10.15.100.25	37777	10.15.100.25	Private	IP Camera				
2	10.15.7.123	40000	10.15.7.123	Private	DVR2116				
3	10.15.7.109	37777	10.15.7.109	Private	EV\$5000		EV\$5000		
4	10.15.22.100	37777	10.15.22.100	Private	NVR6000				
5	10.15.5.3	37777	10.15.5.3	Private	PC-NVR				
6	0.0.0.0	37777	0.0.0.0	Private	PC-NVR				
7	10.15.6.142	37777	10.15.6.142	Private	PC-NVR				
8 Search	10.15.6.188	37777	10.15.6.188	Private	PC-NVR Type All	Types			
Search	Add	37777	10.15.6.188 Device Name	Private Remote Channel		Types Device Type			
Search	Add	Port			Type All				
	Add	Port	Device Name	Remote Channel	Type All Protocol Type	Device Type			

Click Search device button, system can list all the devices on the same IP section. Select a device and then click Add button; you can add a remote device.

Click Manual add button, System pops up the following dialogue box. See Figure 3-20. Please input the corresponding information and then click OK button to add a remote device.

	Ma	anual Ac	łd		×
Name					
IP Addre	ss		_		
Protocol	Туре	P	rivate	V	
Port			7777		
User Na	me		_		
Passwor	ď				
Remote	Channel	1			
Local Ch	annel	1		v	
		$\subset$	ок	Cance	

Figure 3-20

### 3.6.1.3 Encode

3.6.1.3.1 Audio/Video

The interface is shown as below. See Figure 3-21. Here you can set audio/video bit stream.

		Encode - 10.15.6.33(CAM 2	4)	×
Audio/Video	Main Stream		Extra Stream	
	Stream Type	General 🔻	🔘 Video Setup	▼
Snapshot	Encode Type	▼	Encode Type	<b>V</b>
Overlay	Resolution	▼	Resolution	▼
	FPS	▼	FPS	▼
	StreamCtrl	<b>v</b>	StreamCtrl	▼
	Bit Stream	V	Bit Stream	<b>v</b>
	Iframes	(1-150)	Iframes	(1-150)
	🔿 Audio Setup	🔿 Audio1 🔷 Audio2	🔿 Audio Setup	🔿 Audio1 🔷 Audio2
	Encode Mode	<b>v</b>	Encode Mode	<b>v</b>
	<ul> <li>Watermark</li> </ul>			
	Characters			
Copy None	<b>~</b>		Apply	Save Cancel
			Oppin	

## Figure 3-21

Please refer to the following sheet for detailed information.

Parameter	Function
Video setup	Check the box here to enable extra stream video. This item is enabled by default.
Stream type	It includes main stream, motion stream and alarm stream. You can select different encode frame rates form different recorded events.
Encode mode	It is to set audio/video encode mode. Default setup is H.264.
Resolution	System supports various resolutions, you can select from the dropdown list.
FPS	PAL: 1~25f/s; NTSC: 1~30f/s.
Bit stream	In VBR mode, it is the max value of the bit stream. In the CBR mode, it is a fixed value.
Ref Stream	According to selected encode mode, resolution, display bit stream. (range)
Iframes	Interval between key frames.
Audio encode mode	Check the box here to enable audio function and select encode type from the dropdown list.
Watermark	This function allows you to verify the video is tampered or not.
/watermark character	Here you can select watermark bit stream, watermark mode and watermark character.

Сору	Click it to copy current setup to other channel(s).
------	---

#### 3.6.1.3.2 Snapshot

		Encode - 10.15.6.33(CAM 24)	×
Audio/Video	Snap Mode	Regular	
Snapshot	Size	Enable	
Overlay	Quality Snap Interval	Worst (\$/Sheet)	

The snapshot interface is shown as below. See Figure 3-22.

### Figure 3-22

Please refer to the following sheet for detailed information.

Parameter	Function
Snapshot type	<ul> <li>There are three modes.</li> <li>Regular: It enables snapshot function as you set on the snapshot plan.</li> <li>Trigger: It enables snapshot function when motion detect occurs.</li> <li>ALM: It enables snapshot function when an alarm occurs.</li> </ul>
Image size	It is the same with the resolution of the main stream.
Quality	It is to set the image quality.
Interval	It is to set snapshot frequency.
Сору	Click it; you can copy current channel setup to other channel(s).

#### 3.6.1.3.3 Overlay

Here is for you to overlay information on the video. See Figure 3-23.

		Encode - 10.15.6.33	(CAM 24)		×
Audio/Video	Channel Name				
Snapshot			2014-12-11 08:42:15	Region Overlay	× +
Overlay				<ul> <li>Network Monito</li> </ul>	r
				🔵 Channel Display	
				🔵 Time Display	
				Y/M/D	•
				12-H	V
	CAM 24				
Copy None 🗸			Ар	ply Save	Cancel

## Figure 3-23

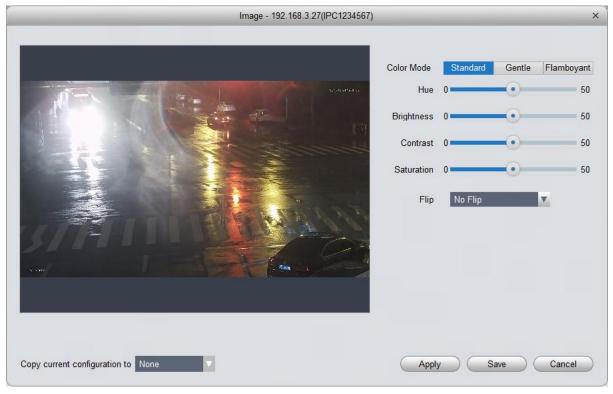
## Please refer to the following sheet for detailed information.

Parameter	Function
Channel Name	Set channel name.
Region overlay	There are two types: Local liveview/network monitor. Local liveview: It is to shield the corresponding video under local liveview mode. Network monitor: It is to shield the corresponding video under network monitor mode.
Channel display	You can enable this function so that system overlays channel information in video window. Please input channel name here. You can use the mouse to drag the channel title position.
Time display	You can enable this function so that system overlays time information in video window. You can use the mouse to drag the time title position. You can view time title on the live video of the WEB or the playback video.
Date format	Select date format from the dropdown list if you want to overlay date information.
Time format	Select date format from the dropdown list if you want to overlay time information.

Сору	Click it; you can copy current channel setup to other channel(s).	
------	---	--

### 3.6.1.4 Image

Here you can set camera property. See Figure 3-24.



### Figure 3-24

Please refer to the following sheet for detailed information.

Parameter	Function	
Color mode	It is to set color mode.	
Hue	It is to set color hue.	
Prightnoss	It is to adjust color whole brightness. The large the value is, the bright the video is and vice versa.	
Brightness	When you set, the dark pane and the bright pane of the video can be increased or decreased accordingly at the same time.	
Contrast	It is to set video contrast. The large the value is, the big the contrast is, vice, versa.	
Saturation	It is to set color saturation. The larger the value is, the strong the color is and vice versa.	
Viewing Angle	Viewing angle of video. You can select four types of viewing angle. And click Apply to preview on the left.	

#### 3.6.1.5 PTZ Control

It is for you to set PTZ parameters. See Figure 3-25.

	PTZ Control - 10.15.6.33(2)	x
PTZType		V
Protocol		V
Address	0	* *
Baud Rate	1200	v
Data Bit	5	V
Stop Bit	1 bit	V
Parity	None	V
Copy None 🔻	Арріу	Save Cancel

Figure 3-25

Please refer to the following sheet for detailed information.

Parameter	Function
Protocol	Select the corresponding dome protocol such as PELCOD.
Address	Set corresponding dome address. Default value is 1. <b>Please note</b> your setup here shall comply with your dome address; otherwise you can not control the speed dome.
Baud Rate	Select the dome baud rate. Please set according to the speed dome dial switch setup.
Data Bit	Please set according to the speed dome dial switch setup.
Stop bit	Please set according to the speed dome dial switch setup.
Parity	Please set according to the speed dome dial switch setup.

### 3.6.2 Event

3.6.2.1 Video Detect

The video detect includes three types:

- Motion detect: Through analyze video, system can enable motion detect alarm when it detects any moving signal that reaches the sensitivity threshold you set here.
- Video loss: This function allows you to be informed when video loss phenomenon occurred. You can enable alarm output channel and then enable show message function.
- Camera masking: When someone viciously masks the lens, or the output video is in onecolor due to the environments light change, the system can alert you to guarantee video continuity.

Note:

Enable unfocus: detect defocus image.

	Video Detect - 10.15.7.123(CAM 11)	×
Video Loss	☑ Enable	
Camera Masking	Arm/Disarm Period Set	
Motion Detect	Sensitivity 3	
	Anti-dither 5 🔶 S(0~600)	
	Zone	
	✓ Record Channel	
	Delay Time 10 🛬 \$(10~300) 📄 Upload To Cloud	
	Alarm Output	
	Delay Time 10 🗘 Min(1~300)	
	PTZ Link Set	
	Tour	
	Snapshot	
	Upload To Cloud	
	📄 Show Msg 📄 Send Email 🛛 🗹 Alarm Upload 📄 Buzzer 📄 SMS	
Copy None	Apply Save Cance	2

#### Here we use motion detect interface as an example. See Figure 3-26.

### Figure 3-26

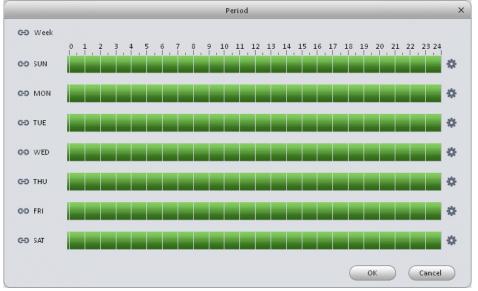


Figure 3-27

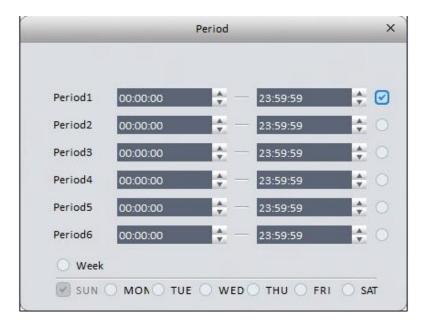


Figure 3-28

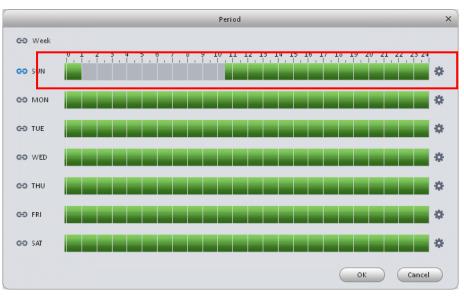


Figure 3-29

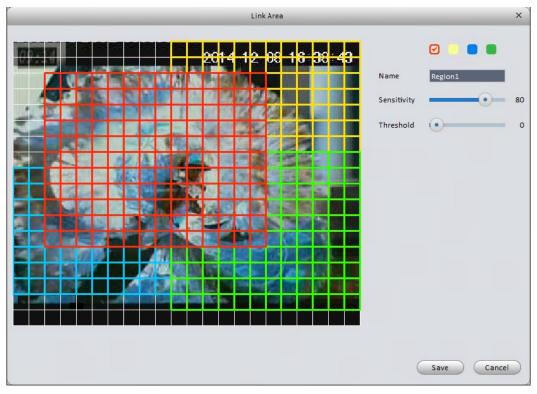


Figure 3-30

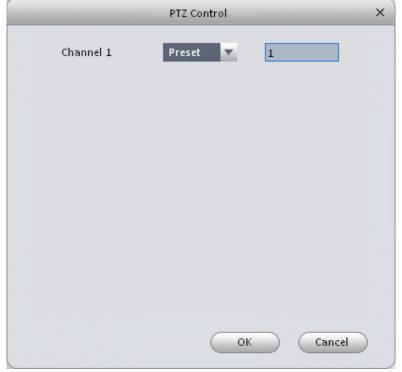


Figure 3-31

Please refer to the following sheet for detailed information.

Parameter	Function	
Enable	You need to check the box to enable motion detection function.	

Parameter	Function
Arm/disarm Period	Motion detection function becomes activated in the specified periods. See Figure 3-27.
	There are six periods in one day. You can click to set (Figure 3-28) or use mouse to draw the corresponding period on the time bar directly (Figure 3-29).
	Click OK button, system goes back to motion detection interface, please click OK button to exit.
Anti-dither	System only memorizes one event during the anti-dither period. The value ranges from 5s to 100s.
Zone	You can click this button to set motion detection zone. The interface is shown as in Figure 3-30. Do remember clicking OK button to save your motion detection zone setup.
Record channel	If you select this parameter, then you perform motion detection alarm recording to this channel.
	Please note you need to select auto record in Record-> record control
Record Delay	System can delay the record for specified time after alarm ended.
Upload To Cloud	Check if to upload to Cloud.
Alarm output	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when an alarm occurs.
Delay time	System can delay the alarm output for specified time after an alarm ended.
Show msg	System can pop up a message to alarm you in the local host screen if you enabled this function.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
Alarm upload	System can upload the alarm signal to the centre (Including alarm centre.
Send Email	If you enabled this function, System can send out an email to alert you when an alarm occurs.
SMS	If you enabled this function, System can send out a message to specified phone to alert you when an alarm occurs.
Tour	You need to check the box here to enable this function. System begins 1-wiindow or multiple-window tour display among the channel(s) you set to record when an alarm occurs.
PTZ Activation	Here you can set PTZ movement when alarm occurs. See Figure 3-31.

### 3.6.2.2 Alarm

Before operation, please make sure you have properly connected alarm devices such as buzzer. The input mode includes local alarm and network alarm.

The local alarm interface is shown as in Figure 3-32.

		Alarm Setting - 10.15.100.24	4		×
📄 Alarm Input Enable	1 A	alarm Alias	-		
Arm/Disarm Period	Set				
Anti-dither	0 Secon	d(0~600)			
Device Type	NC				
Record Channel	1 2 3 4	5 6 7 8 9 10	11 12		
Record Delay	10 Secon	d(10~300)			
🔲 Upload To Clour	ł				
📃 Alarm Output	1 2 3				
Output Delay	10 Secon	d(1~300)			
PTZ Link	Set				
Tour	<b>1</b> 2 3 4	5 6 7 8 9 10	11 12 🕨		
🔲 Snapshot	1 2 3 4	5 6 7 8 9 10	11 12 🕨		
🔲 Upload To Cloue	ł				
Show Msg	📃 Send Email	📃 Alarm Upload	🔲 Buzzer	SMS	
Copy current configuration to	None 🗸		Apply	Save Cancel	

Figure 3-32

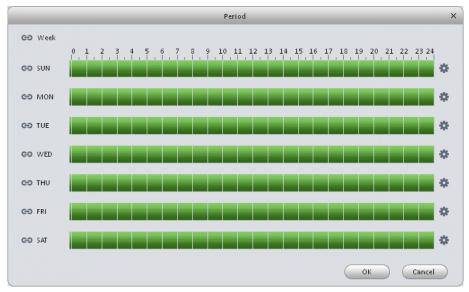
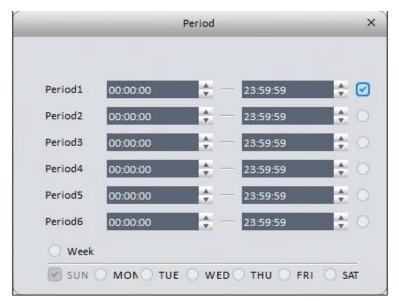


Figure 3-33





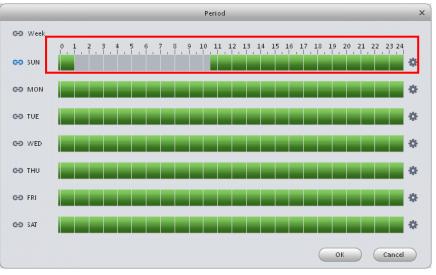


Figure 3-35



Figure 3-36

Parameter	Function
Enable	You need to check the box to enable this function. Please select a channel from the dropdown list.
Arm/disarm Period	This function becomes activated in the specified periods. There are six periods in one day. See Figure 3-33. There are six periods in one day. You can click to set (Figure 3-34) or use mouse to draw the corresponding period on the time bar directly (Figure 3-35). Click OK button, system goes back to alarm interface, please click OK button to exit.
Anti-dither	System only memorizes one event during the anti-dither period.
Device (Sensor) type	There are two options: NO/NC.
Record Delay	System can delay the record for specified time after alarm ended.
Output delay	System can delay the alarm output for specified time after an alarm ended.
Record channel	If you select this parameter, then you perform local alarm recording to this channel.
	Please note you need to select auto record in Record-> record control
Record Delay	Means when alarm link ends, record delay for a certain period of time before stop.
Alarm output	Enable alarm activation function. You need to select alarm output port so that system can activate corresponding alarm device when an alarm occurs.

Parameter	Function
Show msg	System can pop up a message to alarm you in the local host screen if you enabled this function.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
Alarm upload	System can upload the alarm signal to the centre (Including alarm centre.
Send Email	If you enabled this function, System can send out an email to alert you when an alarm occurs.
SMS	If you enabled this function, System can send out a message to specified phone to alert you when an alarm occurs.
Tour	You need to check the box here to enable this function.
Snapshot	If you select this parameter, then the channel is config with alarm snapshot function.

# 3.6.2.3 Abnormality

It includes six statuses: No device, no space, device error, net offline, IP conflict, MAC conflict and IllegalAcess. See Figure 3-37 through Figure 3-42.

		Abnormality - fisheye	e(i am fisheye)			×
No storage device	Enable					
No Space	Alarm output	1				
Storage device error	Output Delay	10	Second(1~	300)		
Offline	Show Msg	Send Email	Alarm Upload	Buzzer	SMS	
IP Conflict						
Mac Conflict						
IllegalAccess						
			(	Apply	Save Ca	incel

Figure 3-37

	Abnormality - fisheye(i am fisheye)	×
No storage device	Enable	
No Space	Free Space 10 %(0-99)	
Storage device error	✓ Alarm Output	
Offline	Output Delay 10 Second(1~300)	
IP Conflict	Show Msg 🔲 Send Email 📄 Alarm Upload 📄 Buzzer 👘 SMS	
Mac Conflict		
IllegalAccess		
		Cancel

Figure 3-38

	/	Abnormality - fishey	e(i am fisheye)			×
No storage device	Enable					
No Space	Alarm Output	1				
Storage device error	Output Delay	10	Second(1-30	00)		
Offline	Prompt	Send Email	Alarm Upload	Buzzer	SMS	
IP Conflict						
Mac Conflict						
IllegalAccess						
				Apply	Save	Cancel

Figure 3-39

	Al	bnormality - fisheye(i	am fisheye)			×
No storage device	Enable					
No Space	Record	1				
Storage device error	Record Delay	10	Second(10~3	00)		
Offline	Alarm Output	1				
IP Conflict	Output Delay	10	Second(1~30			
Mac Conflict	Show Msg	Send Email	Buzzer	SMS		
IllegalAccess						
			(	Apply	Save Ca	incel

Figure 3-40

	Abnormality - fisheye(i am fisheye)					×
No storage device	Enable					
No Space	Record	1				
Storage device error	Record Delay	10	Second(10~30	00)		
Offline	Alarm Output	1				
IP Conflict	Output Delay	10	Second(1~300			
Mac Conflict	Show Msg	Send Email	Buzzer	SMS		
IllegalAccess						
				Apply	Save Cancel	

Figure 3-41

	A	bnormality - fisheye(i	am fisheye)		×
No storage device	Enable				
No Space	Alarm Output	1			
Storage device error	Output Delay	10	Second(1~30	00)	
Offline	Show Msg	Send Email	Buzzer	SMS	
IP Conflict					
Mac Conflict					
IllegalAccess					
			(	Apply S	Save Cancel

Figure 3-42

	Abnormality - fisheye(i am fisheye)	
No storage device	Enable	
No Space	login error 3 times(3~10)	
Storage device error	✓ alarm output 1	
Offline	output delay 10 second(1~300)	
P Conflict	screen tips send email Alarm Upload beep	SMS
Mac Conflict		
legalAccess		
	(Apply) (Sa	ve Cance

Figure 3-43

Please refer to the following sheet for detailed information.

Parameter	Function
Enable	Check the box here to enable selected function.
Alarm Output	Please select corresponding alarm output channel when an alarm occurs. You need to check the box to enable this function.
Output delay	The alarm output can delay for the specified time after an alarm stops.
Show message	System can pop up a message to alarm you in the local host screen if you enabled this function.
Alarm upload	System can upload the alarm signal to the centre (Including alarm centre.
Send Email	If you enabled this function, System can send out an email to alert you when an alarm occurs.
Buzzer	Check the box here to enable this function. The buzzer beeps when an alarm occurs.
SMS	If you enabled this function, System can send out a message to specified phone to alert you when an alarm occurs.

## 3.6.2.4 Smart Config

SmartPSS supports to add SmartIPC and config added intelligent device, including audio detection config and face recognition. After config is complete, you can go to live interface for preview. Please refer to Ch 4.1.1.

See Figure 3-51.

	S	mart Config - 10.15.1	117.109(Channel 1)		x
Audio Detect	📄 Anomaly Enable				
Face Detect	Mutation Enable				
	Sensitive	0 💿	100		
	Mutation Threold	0.	100		
	Arm/Disarm Period	Set			
	Anti-dither		Second(0~600)		
	🔲 Record Channel				
	Record Delay		Second(10~300)		
	📄 Alarm Output				
	Output Delay		Second(1~300)		
	PTZLink	Set			
	🔲 Tour Turning				
	🔲 Snapshot				
	🔲 Show Msg	📄 Send Email	📃 Alarm Upload	🔲 Веер	SW2
Copy current configuration to	None			Apply	Save Cancel

Figure 3-44

Parameter	Note
Abnormal Enable	If enable this parameter, then audio detection alarm is enabled.
Mutation	May config sensitivity and mutation threshold.
Enable	If select this parameter, then mutation detect is enabled.
	Sensitivity: 1-100 level adjustable. The smaller the value is, the more input sound volume change exceeds constant environmental sound and is judged as abnormal audio. User shall adjust according to actual environment.
	Mutation threshold: 1-100 level adjustable. It is used to set filter of environmental sound intensity. If environmental noise is high, then you shall set this value high. Please set and adjust according to actual environment.
Arm/Disarm	Set alarm arm/disarm period.
Period	Click set pop up Arm/Disarm Period box for setup.
Anti-dither	Means only record one motion detection event within the period. Value range 0s $\sim$ 100s.

Parameter	Note
Record	If select the parameter, then alarm record the channel.
Channel	Go to "Record >Record Control" and select auto record.
Record Delay	Means when alarm link is end, motion detection record will remain for a period of time before stop.
Alarm Output	If select the parameter, then enable alarm link output port, so when alarm occurs, it can link corresponding alarm output device.
Output Delay	Means when alarm link ends, alarm will remain for a period of time before stop.
Snapshot	If select this parameter, then select this parameter, then this channel config motion detection snapshot function.
Send EMAIL	If select this parameter, then when alarm occurs, it sends Email to user.
Alarm Upload	If select this parameter, then when alarms occurs, alarm will be sent to center.
Веер	If select this parameter, then when alarm occurs, it beeps.
SMS	If select this parameter, then when alarm occurs, user will receive SMS.

Face Detect is shown in Figure 3-52.

	S	mart Config - 10.15.1	17.109(Channel 1)		×
Audio Detect	📃 Enable Face Detect	:			
Face Detect	Arm/Disarm Period Anti-dither	Set	Second(0~600)		
	📄 Enable Face Enhar	cement	<u> </u>		
	🔲 Record Channel				
	Record Delay		Second(10~300)		
	Output Delay		Second(1~300)		
	PTZ link	Set			
	Tour Turning				
	Snapshot				
	Show Msg	📄 Send Email	📄 Alarm Upload	Beep	sms
Copy current configuration to	None 🔻			Apply	Save Cancel

Figure 3-45

Parameter	Note
Enable	If select this parameter, it will link alarm.
Arm/Disarm	Set alarm arm/disarm period.
Period	Click setup to pop up arm/disarm period box.
Enable Face Enhancement	If select this parameter, then it enable dynamic trick.
Record	If select this parameter, then the channel has record of alarm.
Channel	Go to "Record > Record Control" and select "auto" record.
Record Delay	Means when alarm link ends, motion detection delays for a period of time.
Alarm Output	If select this parameter, then enable alarm link output port, when alarm occurs, may link alarm output device.
Output Delay	Means when alarm link ends, alarm delays for a period of time.
Snapshot	If select this parameter, then it configures dynamic snapshot function for this channel.
Send EMAIL	If select this parameter, then when alarm occurs, it send Email to user.
Alarm Upload	If select this parameter, then when alarms occurs, alarm will be sent to center.
Веер	If select this parameter, then when alarm occurs, it beeps.
SMS	If select this parameter, then when alarm occurs, user will receive SMS.

## 3.6.3 Record/Storage

#### 3.6.3.1 Schedule

Record setup has record plan and record control.

- Record plan (schedule): Record during set period.
- Record control: Select mode of record.

You can set the corresponding period to enable schedule record function. You can follow the steps listed below to set schedule record function.

1) Click Schedule button, you can go to the following interface. See Figure 3-46.

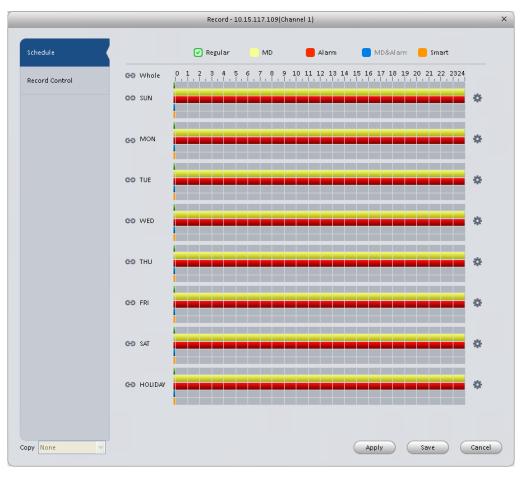


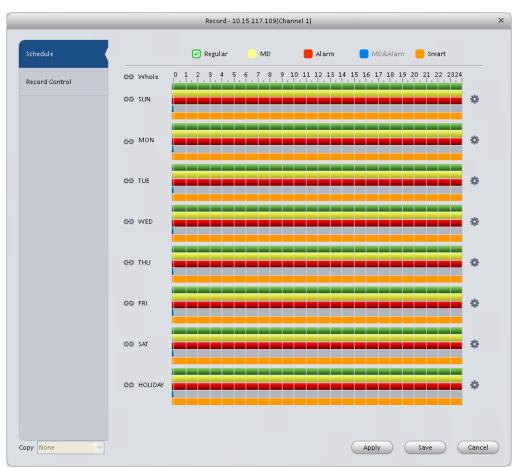
Figure 3-46

2) Click button after corresponding date, you can see an interface shown as below. See Figure 3-47.

		-	_	Re	ec Plan	_	-	_	-
Period1	00:00:00	÷-	23:59:59	Å	Regular	Motion	Alarm	MD&Alarm	Smart
Period2	00:00:00	÷ —	23:59:59	× ×		0	0	0	
Period3	00:00:00	÷	23:59:59	÷				0	
Period4	00:00:00	÷ —	23:59:59	÷				0	
Period5	00:00:00	÷ —	23:59:59	÷					
Period6	00:00:00	÷ —	23:59:59	÷				0	
🔿 All									
🕑 sun		O TUE	WED		тни	🔘 FRI	🔘 SAT		ΔY
						(	Save	Cancel	



3) Set record period and check the box to select record type. Click OK button, now you can see an interface shown as in Figure 3-48.





You can view the current time period setup from the color bar.

- Green color stands for the general record.
- Yellow color stands for the motion detect record.
- Red color stands for the alarm record.
- Blue color stands for MD and alarm record.
- Orange color stands for smart alarm record.

#### Tips

Choose the channel you want, then click save button to copy current setup

#### 3.6.3.1.1 Record Control

It is for you to set record control mode. See Figure 3-49.

r		Record Setting - 10.15.7.123	B(CAM 11)		_	×
Schedule	Pre-Record	4 <b>*</b> \$(0~3	0)			
	Main Stream	<ul> <li>Schedule</li> <li>Manual</li> </ul>				
Record Control	Sub Stream	🔿 Schedule 🔿 Manual	⊙ Stop			
Copy None				Apply	Save	Cancel

### Figure 3-49

## Please refer to the following sheet for detailed information.

Parameter	Function
Pre-record	Please input pre-record time here.
Main stream	It is to set main stream record mode. It includes: Schedule/manual/stop.
Sub stream	It is to set sub stream record mode. It includes: Schedule/manual/stop.

#### 3.6.3.2 Disk

3.6.3.2.1 Local Store

The local interface is shown as in Figure 3-50. Here you can save data to local SD card or HDD and meanwhile view health status of HDD.

		Disk Ma	anager - 172.7.56	.101			ļ
Local Store	Device Name	HDD Operation	Disk Type	State	Free/Total Space	SMART	
	Disk 1	Set as read-write		Normal	0G/931.4G	/	
Remote Store							
						_	
						Cano	el

Figure 3-50

3.6.3.2.2 Remote store

It is for you to upload data to a PC via FTP. See Figure 3-51.

r		Disk Manager - 10.15.22.100 X
Local Store	🗖 Enable	
Remote Store	* Host IP	101512.16
	* Port	21
	User Name	Martin
	Password	Anonymity
	Remote Directory	/share/ii/oo/pp
	File Length	0 M
	Upload Interval	0 Second
	Channel	1
	Week	Sun.
	Period 1	00:00:00 🛬 - 00:00:00 🛬 📄 Alarm 📄 MD 📄 Others
	Period 2	00:00:00 🗧 - 00:00:00 🚔 📄 Alarm 📄 MD 📄 Others
		Apply Save Cancel

Figure 3-51

## 3.6.4 Maintenance

3.6.4.1 Account

Here you can add/modify/delete a group or add/modify/delete a user. System default user group is admin/user. System default user is admin/888888/666666.

Click Account button in Signals interface and then click Role button. See Figure 3-52.

_			Account - 10.15.6.82	_		_
User	Add	Delete				
Group	🗆 All	User Name	Group Name	Memo	Operation	
	1	888888	admin	admin 's account	/ x	
	2	admin	admin	admin 's account	/ x	
	3	default	user	default account	/ x	

Figure 3-52

Click Add button, you can see system pops up the following interface. See Figure 3-53. Please input a group name and then select corresponding rights, input some note information for your reference if necessary. Click OK button to exit.

	Add Group ×
Group Name	
Memo	
Rights List	Check All
🗖 Ctr Panel	Â
Shutdown	
Monitor	
Monitor_01	
Monitor_02	
Monitor 03	•
	OK Cancel

Figure 3-53

Go to the User interface, here you can add/remove user and modify user name. See Figure 3-54.

		Accoun	t - 10.15.6.82		
User	Add	Delete			
Group		Group Name	Memo	Operation	
	<b></b> 1	admin	administrator group	/ ×	
	2	user	user group	/ ×	
	<b>3</b>	1	1	/ x	

Figure 3-54

Click Add button, you can see the following interface. See Figure 3-55. Please input user name, password, and select a group from the dropdown list. Select corresponding rights and then click OK button.

### Tips

If you want to multiple users to use this account login at the same time, you need to check the box to select reusable function.

		Add U	Jser		×
User Nam	е			🛛 🗹 Reus	eable
Password					
Confirm P	assword				
Group		admin		v	
Memo					
Rights Lis	t	🔲 Check	(All		
🔲 Ctr P	anel				A
🗖 Shut	down				
🗖 Moni	tor				
🗖 Moni	tor_01				
🗖 Moni	tor_02				
🗖 Moni	tor_03				
		C	ок	Canc	

Figure 3-55

Note:

Access controller username and password are fixed, and password is 123456.

## 3.6.4.2 Maintenance

#### 3.6.4.2.1 Local Setup

Here you can set system time, date format, record period and etc. See Figure 3-56.

		Maintenance - 10.15.6.8	32	×
Local Setup	Device Name	NVR		
Date <u>T</u> ime	Device No	8		
RS232	Language Video Standard	English 🔽 PAL 🔽		
Auto Maintenance	Pack Duration	60	minute(1~60)	
Version	When disk is full	Overwrite 🔻		
			Apply	Save Cancel

## Figure 3-56

Parameter	Function
Device name	It is to set device name.
Device No.	When you are using one remote control to manage multiple devices, you can give a serial numbers to the device.
	Before the operation, please make sure you have clicked address button on the remote control and input a number for current device.
Language	You can select the language from the dropdown list.
	Please note the device needs to reboot to get the modification activated.
Video Standard	This is to display video standard such as PAL.
HDD full	<ul> <li>Here is for you to select working mode when hard disk is full. There are two options: stop recording or rewrite.</li> <li>If current working HDD is overwritten or the current HDD is full while the next HDD is no empty, then system stops recording,</li> <li>If the current HDD is full and then next HDD is not empty, then system overwrites the previous files.</li> </ul>
Pack	Here is for you to specify record duration.

duration	

## 3.6.4.2.2 Date&Time

	М	aintenance - 10.15.117.109(C	hannel 1)		
Local Setup	Date Format	YYYY-MM-DD			
Date <u>T</u> ime	Time Format	24-H			
R\$232	System Time	2014-12-11	15:23:59	× Syr	nc PC
	🔵 DST Enable				
Auto Maintenance	DST Typ	) Date 🔾 Week			
Version	Start Time	2014 💌 Jan	▼ 1	▼ 00:00	A V
	End Time	2014 🔻 Jan	▼ 1	▼ 00:00	A V
	Time Zone	GMT+08:00			
	NTP Server	clock.isc.org	I		
	Port	123	(1-65535)		
	Update Period	10	Minute(0-6553	15)	
				Apply	Save

The date and time interface is shown as in Figure 3-57.

Figure 3-57

Parameter	Function
Date format	Here you can select date format from the dropdown list.
Time Format	There are two options: 24-H and 12-H.
Time zone	The time zone of the device.
System time	It is to set system time. It becomes valid after you set.
Sync PC	You can click this button to save the system time as your PC current time.
DST enable	Here you can set day night save time begin time and end time. You can set according to the date format or according to the week format.
NTP	You can check the box to enable NTP function.
NTP server	You can set the time server address.
Port	It is to set the time server port.

Update period	It is to set the sync periods between the device and the time server.
peniou	

#### 3.6.4.2.3 RS232

The RS232 interface is shown as in Figure 3-58.

	N	Maintenance - 10.15.11	7.109(Channel 1)			×
Local Setup	сом	COM1	V			
Date <u>T</u> ime	Function	Console	V			
	Data Bit	8	V			
R\$232	Stop Bit	1	V			
Auto Maintenance	Baud Rate	115200	V			
	Parity	None	V			
Version						
				Apply	Save	Cancel

Figure 3-58

Parameter	Function
СОМ	You can select from the dropdown list.
Function	<ul> <li>There are various devices for you to select.</li> <li>Console is for you to use the COM or mini-end software to upgrade or debug the program.</li> <li>The control keyboard is for you to control the device via the special keyboard.</li> <li>Transparent COM (adapter) is to connect to the PC to transfer data directly.</li> <li>Protocol COM is for card overlay function.</li> <li>Network keyboard is for you to use the special keyboard to control the device.</li> </ul>
Baud Rate	Default setup is 115200.
Data Bit	Default setup is 8.
Stop bit	Default setup is 1.
Parity	Default setup is none.

Here you can set auto-reboot time and auto-delete old files setup. You can set to delete the files for the specified days. See Figure 3-59.

Local Setup     Auto Restart     Tuesday     02:00       DateTime     Auto Delete Files     Never       RS232     Restart							
Local Setup	Auto Restart	Tuesday	▼ 02:0	00	A.		
Date <u>T</u> ime	Auto Delete Files	Never	•				
R\$232		Restart					
Auto Maintenance							
Version							
				(	Apply	Save	Cancel

Figure 3-59

3.6.4.2.5 Version Version interface is shown as below.

3.6.4.2.6 Upgrade Upgrade program.

#### 3.6.4.3 WEB

Click it to go to the WEB of the device. See Figure 3-60. The following figure is for reference only.

http://10.15.7.15/config/index.htm?dXNlcm5hbWU9YWRtaW4mcGFzc3dvcm	29YWRtBW4 Windows Internet Explorer
COC VIII http://10.15.7.15/config/index.htm?dXNicm5hbWU9YWRtaW4mcGFzc3dvcmQ9YW	RtaW4= 😧 🐓 🗙 🞯 Yahool
File Edit View Favorites Tools Help	
🔆 Favorites 📓 http://10.15.7.15/config/index.htm?dXNicm5hbWU9Y	
Conditions	
> Conditions	Channel 1
≻ Video&Audio	Channel .
> Channel Name	
▶ Network	Period 🗹 00:00 - 24:00 🔲 00:00 - 24:00
Event	Hue 🖤5050
<sup>™</sup> Storage	Brightness 🔆 — 0 — 50 — 0 — 50
System	Contrast 05050
Advanced	Saturation 6
▶ Information	Color Mode Standard V Standard V
Customized	Default Cancel

Figure 3-60

# 3.7 Alarm Setup

## 3.7.1 Set Alarm Scheme

You can follow the steps listed below to set an alarm scheme.

Click the icon in the Settings pane, you can go to alarm configuration interface. See Figure 3-61.

SmartPSS Professional Surveillance System	HOME PAGE	+ ADD	_	* = ? - =	×
Add Delete	Import Export				_
All State Name		Descri	otion	Operation	

Figure 3-61

- 2) Set alarm sources.
  - a) Click Add button in Figure 3-61, system goes to alarm sources setup interface. See Figure 3-62.
- 3) Here you can input a scheme name and some reference information. Select the alarm type from the dropdown list.

"Alarm Type" includes video loss, camera masking, motion detection, audio abnormal and etc.

4) Check the box to select a channel you want to set alarm scheme on the left pane; you can add it to the list on the right pane.

			New Scheme		×
	* Name Untitled 1	Descript	ion	V	Enable when create
1 Alarm sources	Alarm Type Camera Masking	▼			
2 Alarm link 3 Schedule	Ipput Search criteria           Default Group           10.15.102           10.15.100.25           10.15.100.25           10.15.100.25           10.15.22.100           10.15.22.100           10.15.5.157           10.15.5.157           10.15.5.33           10.15.5.357           10.15.5.36           10.15.5.66           10.15.5.66           10.15.6.66           10.15.7.114           10.15.7.141	No. 1	Channel 10.15.100.25/Channel 1	Alarm Type Camera Masking	Operation X
	□         10.15.9.108           □         10.15.9.146           □         10.15.9.58           □         10.15.9.58				
				Next	Cancel

Figure 3-62

5) Click Alarm Link on the left pane or click next button in Figure 3-62, you can go to the following interface. Please check the trigger channel in Figure 3-63 and alarm output channel in Figure 3-64.

		New Scheme			×
	* Name Untitled 1	Description	_	🔽 Enable	e when create
1 Alarm sources	Channel Alarm Out				
2 Alarm link	Input search criteria	Link Channel	Push Video Record	Preset Stay Time(s)	Operation
Aramitink	E E Default Group	10.15.120.111/CAM 2		N/A 20	×
(3) Schedule	<ul> <li>10.15.100.244</li> <li>10.15.100.25</li> <li>0.10.15.22.100</li> <li>10.15.22.100</li> <li>10.15.5.22</li> <li>10.15.5.156</li> <li>10.15.5.157</li> <li>10.15.5.157</li> <li>10.15.5.45</li> <li>10.15.5.76</li> <li>10.15.5.88</li> <li>10.15.6.83</li> <li>10.15.6.685</li> <li>10.15.7.144</li> <li>10.15.7.142</li> <li>10.15.7.142</li> <li>10.15.7.142</li> <li>10.15.7.143</li> <li>10.15.7.144</li> <li>10.15.7.144</li> <li>10.15.7.142</li> <li>10.15.7.142</li> <li>10.15.9.168</li> </ul>				
			Back	Next	Cancel

Figure 3-63

		New Scheme			×
	* Name Untitled 1	Description		🔽 🗹 Enable when creat	e
1 Alarm sources	Channel Alarm Out				
2 Alarm link	Input search criteria	Link Out 10.15.22.100/AlarmOut1	Auto Start Yes	Stay Time(s) Operation	n
3 Schedule	9       10.1.1.71         9       10.15.1.62         10.15.100.24         10.15.100.24         10.15.100.25         9       10.15.100.25         10.15.100.24         10.15.20.111         10.15.22.100         ✓       AlarmOut1         ✓       AlarmOut2         ✓       AlarmOut2         ✓       AlarmOut3         ✓       AlarmOut4         ✓       AlarmOut5         ✓       AlarmOut5         ✓       AlarmOut5         ✓       AlarmOut5         ✓       Io.15.5.122         ✓       Io.15.5.127         ✓       Io.15.5.88         ✓       Io.15.6.84         ✓       Io.15.6.84         ✓       Io.15.6.64	10.15.22.100/AlarmOut2	Yes	20 🗙	
			Back	Next Cancel	

Figure 3-64

6) Click Period button on the left pane or click next button in Figure 3-63, you can go to the following interface. See Figure 3-65.

		New Scheme	×
	* Name Untitled	1 Description 🗹 Enable when cr	eate
1 Alarm sources			
2 Alarm link			
3 Schedule	Sun	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	
	Mon		
	Tue		
	Wed		
	Thu		
	Fri		
	Sat		
		Back Confirm Cancel	$\supset$

Figure 3-65

Click 🗱 after a date to set alarm activation period. There are six periods in one day. See Figure 3-66. Click OK button to exit.

	Schem	e Tin	ne Setup		×
Period 1	<mark>00</mark> :00	÷	_	23:59	÷
Period 2	00:00	÷	_	00:00	A V
Period 3	00:00	÷	_	00:00	A V
Period 4	00:00	÷	_	00:00	*
Period 5	00:00	÷	—	00:00	A V
Period 6	00:00	÷	—	00:00	A V
🔽 Sun 📄 Thu	🦳 Mon		🔲 Tue	🗖 We	ł
			ОК	Cance	

Figure 3-66

a) Click OK button, you can view the scheme information on the alarm setup interface. See Figure 3-67.

	rt <b>PSS</b> urveillance System	HOME PAGE	ALARM CFG	+ ADD		≛≞? -	
Add	Delete	Import	Export				
All S	State Name			Description	1	Operation	
<b>1</b>	On Untitle	<b>j</b> 1				✓ × ७	

Figure 3-67

## 3.7.2 Enable/Disable/Export Scheme

After you added a scheme, you can view the following contents for operation information.

- X: Delete current scheme.
- Disable current scheme.
- 😃 : Enable current scheme.
- Add :: Add scheme.
- Delete
   : Select one or more scheme(s) and then click this button to delete.
- Import : Import scheme information.
  - - Export : Export scheme informaiton.

## 3.8 Tour & Task

It is to realize monitor tour among each window. Please follow the steps listed below to set.



1) Click icon in the Settings pane, you can go to monitor tour interface.

- 2) Click Add. System pops up add box.
- 3) Input plan name, see Figure 3-68.

	Manua	il Add	_
Plan Name:			
Description:			
	Add	Cancel	
~	Figure	3-68	

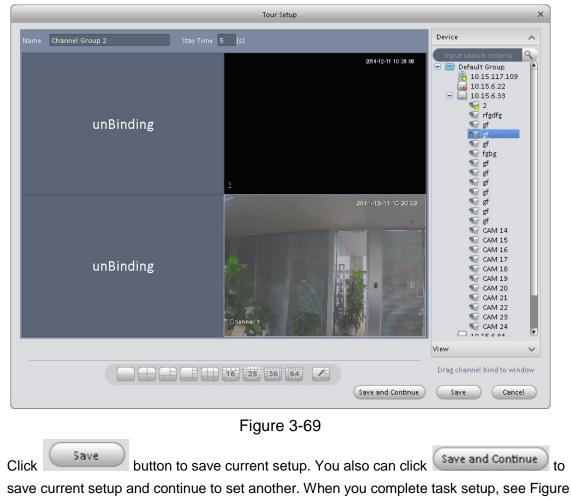
4) Click Add.

	<b>.</b>			-				
5)	Click	L	button	System	shows	tour	setup	interface
ς,	Onon		Duttorn.	0,000111	0110110	tour	ootap	made

6) Input task name, stay time.

7)	Click		at the bottom of the
----	-------	--	----------------------

- interface to select window amount.
- 8) Drag channel(s) on the right pane to the windows on the left pane. See Figure 3-69.



3-70.

9)

SmartPSS Professional Surveillance System	HOME PAGE TOUR & T		+ ADD	≗ = ? - □ ×
Set and enable channel groups for	r a tour task which can be ena	bled on the liveview interfa	ce. You can drag to sort these groups.	
	Channel Group 2	+		
SN Plan name	Plan Description	Operation		
1 1		/ ×		

Figure 3-70

In Figure 3-70, you can check the enable button to open current scheme. You can modify and delete current task scheme.

After tour plan is created, click Liveview in Basic area, select tour plan in Liveview interface. Click

at the bottom of the interface to enable the plan.

## 3.9 PC-NVR

#### Important

Before you use this function, please make sure you have installed PC-NVR and after you run PC-NVR, you must add it into device management.

This function allows you to storage record file on the PC to effectively use wideband. You can add, modify or delete PC-NVR and set PC-NVR parameter. Please follow the steps listed below.



in the Settings pane, you can go the PC-NVR interface. See Figure 3-71.

SmartPSS Professional Surveillance System	HOME PAGE DEVICES	LIVEVIEW(1)		& ≞ ? - ⊡ ×
Name: PC_NVR	IP: 10.33.7.166	Port: 37777	State: Online	¢
Remote Device	Southed Bar			
Disk Management				
Record Plan	172.7.57.41 2	ii		
Version				

Figure 3-71

2) Remote device

- a) Click button, you can see an interface.
- b) Please select a device. SeeFigure 3-80

	Add channel	×
Input search criteria         ■       Default Group         10.15.1.200         10.15.1.221         10.15.1.21         10.15.14.108         10.15.14.108         10.15.16.30         10.15.2.10         10.15.2.33         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.3.2         10.15.5.29         10.15.5.21         10.15.5.21         10.15.5.21         10.15.5.88         10.15.5.88         10.15.5.89         10.15.6.141         10.15.6.141         10.15.6.141         10.15.6.141         10.15.6.22         10.15.6.219         10.15.6.219         10.15.6.22         10.15.6.25         10.15.6.25         10.15.6.25	IPC IP PTZ Dome	
Checked Channe	els: 0 You can import 32 channels at most!	rt Cancel

- c) check the record channels
- d) Click Import button.
- 3) Disk manager

SmartPSS support disk allocation management of PC-NVR.

#### Note: Before allocation, make sure the disk has at least 7G in free space.

- a) In Figure 3-71, click disk manager button on the left pane, you can go to the setup interface.
- b) You can select saved disk and input the space then click Allocate. See Figure 3-73.

SmartPSS Professional Surveillance System	HOME PAGE DEVICES	LIVEVIEW(1)	PC-NVR VIDEO WALL	+ ▲ ? - □ ×
Name: PC_NVR	IP: 10.33.7.166	Port: 37777	State: Online	ڻ ا
Remote Device	Total/Free: 0.00G/0.	00G	When disk is full:	Overwrite
Record Plan		C: Status: Free Free space:7.38G	Allocate	(6G ~ 6G)
		D: Status: Free Free space:0.71G	Allocate	(Free space is not enough, 7G at least)
		E: Status: Free Free space:0.65G	Allocate	(Free space is not enough, 7G at least)

Figure 3-73

- 4) Add record plan
  - a) In Figure 3-71, click Record Plan button on the left pane. And then select a channel from the dropdown list and then click button. You can go to the following interface. See Figure 3-74.

Period Setup							
				Regular	MD	Alarm	MD&Alarm
Period 1	<mark>00</mark> :00:00	🔶 — 23:59	9:59 🚖	<b>V</b>			
Period 2	00:00:00	23:59	9:59 🛟				
Period 3	00:00:00	23:59	9:59 🛟				
Period 4	00:00:00	23:59	9:59 🔶				
Period 5	00:00:00	23:59	9:59 🔶				
Period 6	00:00:00	23:59	9:59 🔶				
🗇 🔲 Week							
🔲 Sun	🔲 Mon	🔲 Tue	🔲 Wed	🔲 Thu	🔲 Fri		] Sat
OK Cancel							



- b) Please set period information and type.
- c) Please set the corresponding time.
- d) Click OK button. You can see an interface shown as in Figure 3-75.

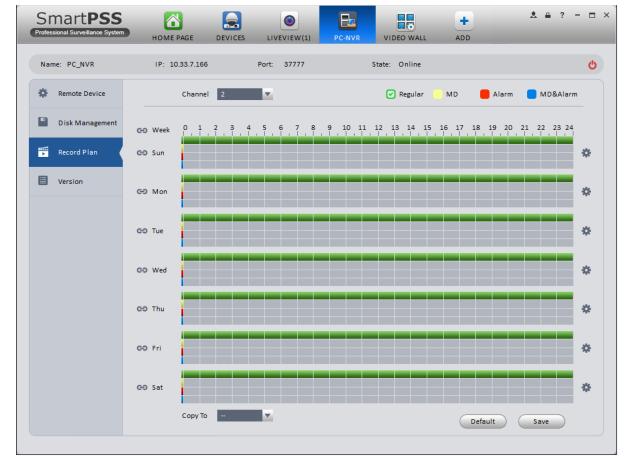


Figure 3-75

e) Click Save.

## Tips

After you complete setup for one channel, you can click Dropdown in Figure 3-75 to copy current setup to other channel(s).

5) View version.

# 3.10 Video Wall Configuration

This function allows you to output video to the video wall. Please follow the steps listed below.

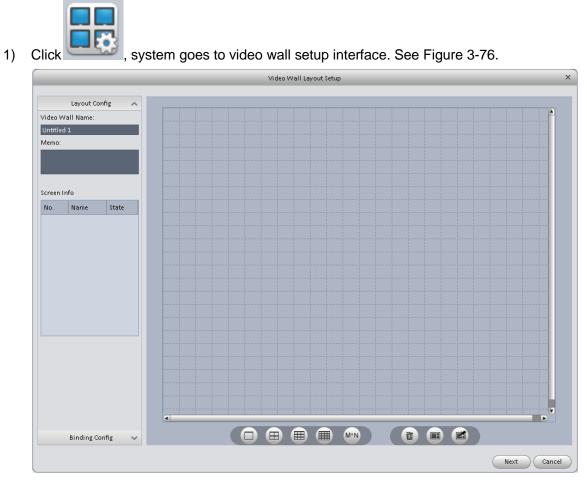


Figure 3-76

## 2) Config video wall.

- a) Enter video wall name and description.

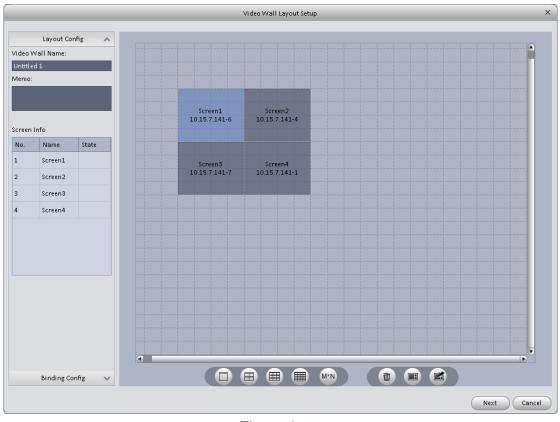


Figure 3-77

#### Note

Use Ctrl+left click mouse to select several screens, right click mouse to select splicing or

click E, you can combine several screens to a splicing screen. Right click mouse, select

unbind splicing or click e, you can cancel splicing.

Select a screen and right click to select rename or delete, you can rename screen name or

delete a screen. Click , you can delete all screens.

c) Click Next button, you can go to video wall input binding interface.

#### 3) Binding decoder channel

Select a decoder channel and then drag it to the corresponding screen of the video wall. See Figure 3-86.

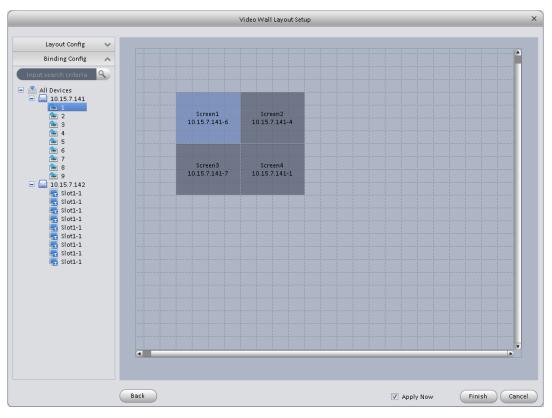


Figure 3-78

#### Note:

When a screen binds M30, you need to splice physical layout **III**, otherwise you cannot bind.

4) Check the box to enable setup immediately and then click Finish button, you can see an interface shown as in Figure 3-79.

		rt <b>PSS</b> urveillance System	HOME PAGE	+ ADD	2	. ≞ ? – ⊡ ×
(	Add Video Wa	all Delet	e			
	🗖 All	State	Name	Memo	Operation	
	1	Enable	Untitled 1			
						Selected/Total: 0/1

## Figure 3-79

In Figure 3-79, double click a video wall, or select a video wall and then click Modify button  $\mathbb{A}$ , you can change its setup. You can also click Delete button or  $\mathbb{X}$  to remove. Click  $\mathbb{Q}$ , you can change video wall on/off setup.

# 4. Basic Operation

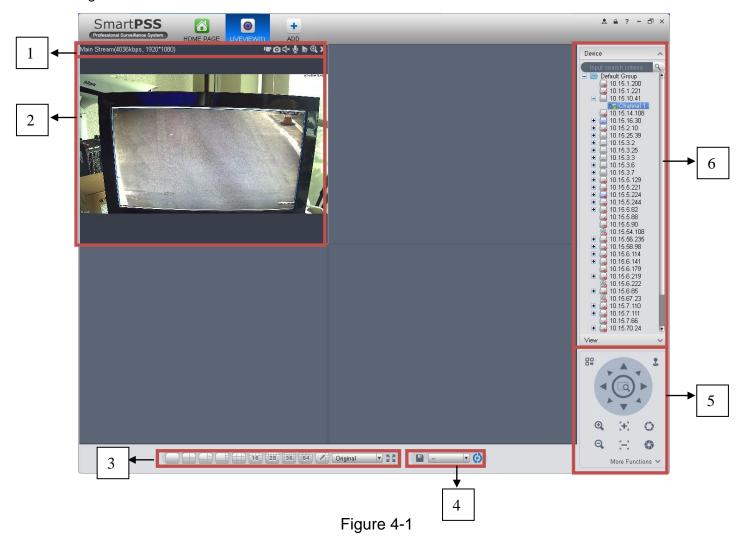
## 4.1 Liveview

### 4.1.1 Real-time Liveview

In Liveview opqge, you can group device or channel and view real-time liveview.



On the homepage, click in the Basic pane, you can go to the liveview interface. See Figure 4-1.

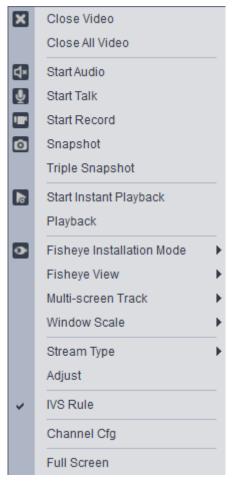


Please refer to the following sheet for detailed information.

SN	Item	Function
1	Bit stream information and shortcut operation menu	<ul> <li>Please refer to the following contents for detailed information.</li> <li>Enable/disable local record.</li> <li>Snapshot.</li> <li>Enable/disable audio.</li> <li>Enable/disable bidirectional talk.</li> <li>Enstant playback.</li> <li>Digital zoom</li> <li>Close current window.</li> </ul>
2	Video window	Real-time video
3	Window split mode	<ul> <li>It is to set</li> <li>1-wind to 64-window mode.</li> <li>Select a window and then click this button to custmoze its setup.</li> <li>Original : Adjust video scale.</li> <li>Full screen.</li> </ul>
4	Tour button	<ul> <li>Save current view as a viewing profile. You can use it under View, Playback, and in tour interface.</li> <li>Note:</li> <li>When add view, check add to tour task before you can view it in tour&amp;task.</li> <li>Enable tour plan. Refer to Ch 3.9.</li> <li>Close tour plan.</li> </ul>
5	PTZ	It is for PTZ dome camera series product only. Here you can set camera direction, zoom in, zoom out, iris and etc. Click advanced button to set preset, tour, aux function and so on.
6	Device list	<ul> <li>When default device tree is set to: device tree (by device), device tree shows device group and channel.</li> <li>When default device tree is set to: region/tree (by channel), device tree shows channel.</li> <li>Here you can create a new group and drag a device or channel to it.</li> <li>Right click a channel, you can select main stream/sub stream or quickly go to the device setup interface.</li> </ul>

Select a liveview window, double click a device channel on the right pane to open the video. Double click a group name; you can open all channels under current group. Right click device channel, you can switch between main stream/extra stream.

Right click liveview window, you can see an interface shown as in Figure 4-2.





Please refer to the following sheet for detailed information.

Item	Function	
Close video	Click it to close current window.	
Close all video	Click it to close all windows.	
Start audio	Click it to enable audio function.	
Start talk	Click it to enable bidirectional talk function.	
Start record	Save audio/video of current window to a record file.	
Snapshot	Snapshot current window. Click it once to save one picture.	
Triple Snapshot	Snapshot current window. Click it once to save three pictures by default.	
Start instant playback	It is to enable instant playback in current window.	
Playback	Click it to go to the playback interface to playback record of current window.	

Item	Function	
Multi-screen Track	It can split screen to 1+3, 1+5 mode for 4K camera main stream.	
	You can drag small box in video window.	
Fisheye installation mode	It is to adjust fisheye installation mode. It includes: ceiling mount, wall mount and ground mount.	
Fisheye view	It is to adjust fisheye view mode.	
Window scale	It is to adjust window scale.	
Stream type	Switch between main stream/sub stream	
Adjust	Set video brightness, contrast, hue and saturation.	
Intelligent Overlay	Overlay intelligent rule, intelligent pattern and intelligent object box in video window.	
Channel setup	Click it to go to the channel setup interface.	
Full-screen	Click it to switch to full screen mode. You can double click video window or right click mouse and then select exit full screen/press Esc to exit.	

### 4.1.2 Record

During the liveview process, you can follow the steps listed below to record.

On the liveview interface, right click mouse and then select record button.

Or you can click the button **u** at the top of the video window to record.

The icon becomes **W** when device is recording.

You can right click mouse to select stop record or click the **I** at the top of the video window to stop record.

The default record save path is SmartPSS/Record. Here you can go to chapter 3.3 General and then select file setup icon to modify record save path.

#### 4.1.3 Snapshot

During the liveview process, you can follow the steps listed below to snapshot.

1) On the liveview window, right click mouse and then select snapshot. You can see system pops up snapshot dialogue box. See Figure 4-3.

#### Tips

You can also click 🞯 at the top of the video window to snapshot.

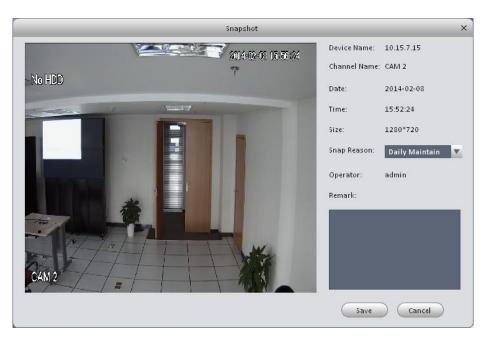


Figure 4-3

- 2) Please select corresponding parameter from the snapshot reason dropdown list and then input the information in the Remarks column.
- 3) Click save button, you can see system prompts "Successfully saved snapshot!".

On the Liveview window, right click mouse and then click Triple snapshot, you can snap three pictures at one time. You can see the corresponding dialogue box if the snapshot succeeds. The default picture save path is SmartPSS/capture. Here you can go to chapter 3.3 General and then select file setup icon to modify picture save path.

### 4.1.4 E-Map

E-map is shown in device list now. You can directly drag map into preview window for preview, as well as save map into image for next time use. Via e-map, you can better visualize position of video channel or alarm channel and see live preview of the channel or alarm status.

#### 4.1.4.1 Edit E-Map

1) You can go to device list on the right of Preview window, right click the default group or any group, select New Map, see Figure 4-4.

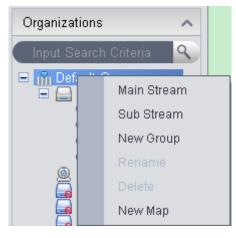


Figure 4-4

- 2) In map name field enter name of map, select picture and save it to enter edit page.
- 3) In map edit interface, drag video channel or alarm input you want to be displayed on map to designated position, see Figure 4-5.

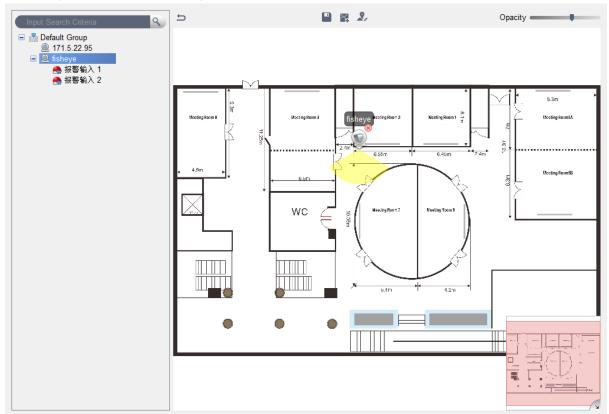


Figure 4-5

4) On map set monitoring range of video channel, see Figure 4-6. You can slide the bar at the upper right corner to set opacity, see Figure 4-7.

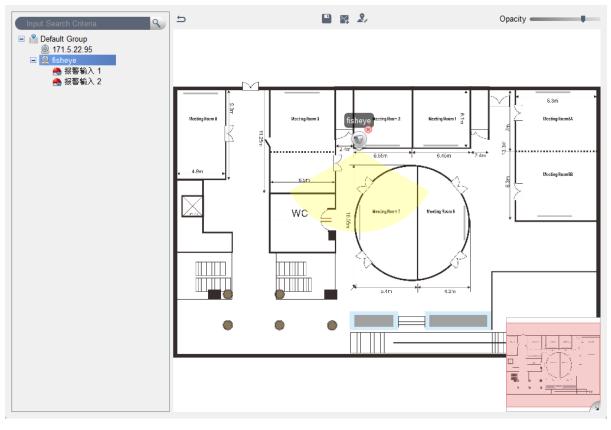


Figure 4-6



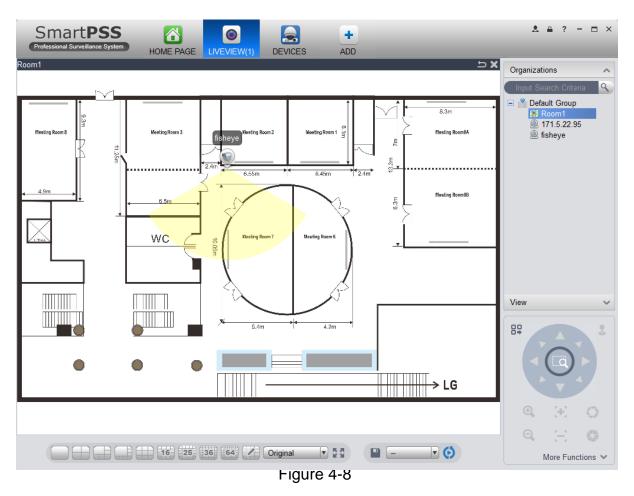
Figure 4-7

- 5) After you finish edit, click 🛄 to save map.
- 6) Click to return to preview.

Parameter	Note
Save	Save current map you are editing.
New Area	Create new area on map.
Edit Map	Modify map name and picture.
Opacity	Set opacity of monitoring range.

### 4.1.4.2 Preview E-Map

You can directly drag map you want to preview from device list into idle window, or select one idle window, in device list double click map. Map can be zoomed in/out and you can move mouse to see every detailed position info, see Figure 4-8.



After you open map, you can move your mouse to a video channel to see short preview. You can click a video channel, then the video channel will be opened next to your mouse, see Figure 4-9. Click again to close video.

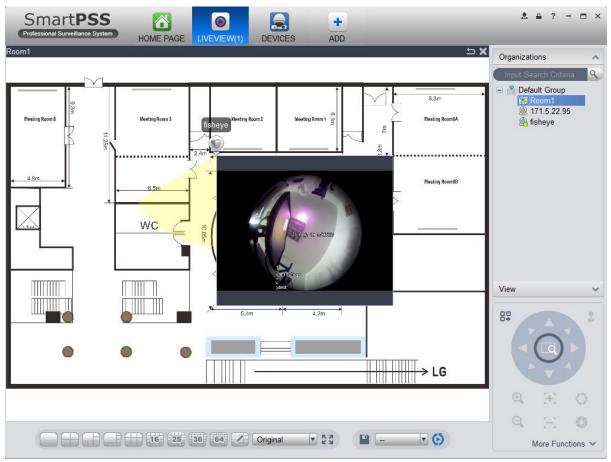
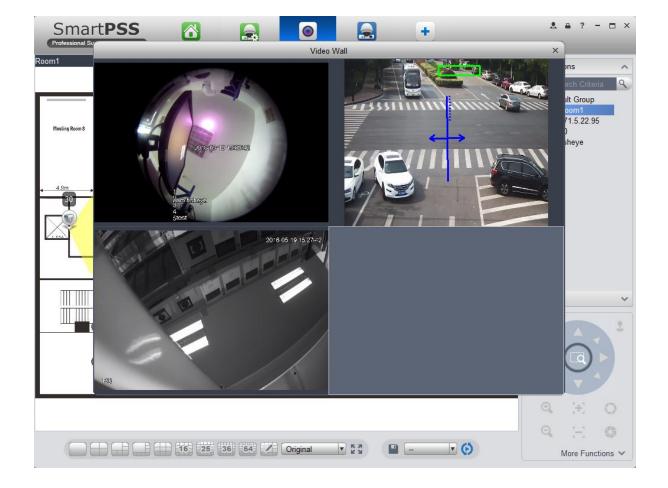


Figure 4-9

You also can right click in blank area, select open all channels or video wall to preview all channels on the map, see Figure 4-10 and 4-11.



Figure 4-10



#### Figure 4-11

When alarm occurs, corresponding channels on map will flash.

#### 4.1.5 Fisheye

Installation of fisheye includes in-ceiling, wall mount and ground.

In-ceiling supports 8 views, the ground mounted 1+4 mode is illustrated by Figure 4-4.

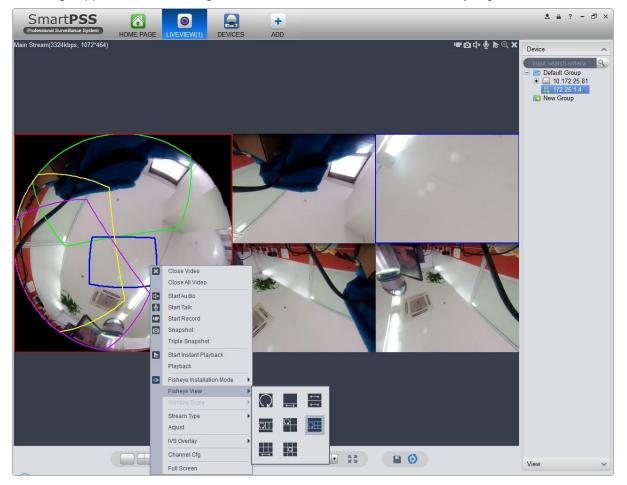


Figure 4-12

In the left, fish eye splits into 4 scene boxes, if you drag one box with mouse, as : U, the corresponding above scene box will rotate. Wall mount supports 5 views, and ground supports 7 views.

#### 4.1.6 Smart Alarm

If the system configures SmartIPC device, then you can configure rule for smart channel of the device in Liveview interface.

Step 1. In Liveview interface, device list on the right, right click intelligent device, select IVS Channel Cfg. See Figure 4-4.

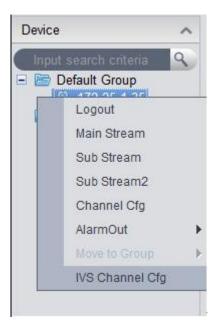


Figure 4-13

Step 2. In channel list dropdown list, select channel, see Figure 4-6.

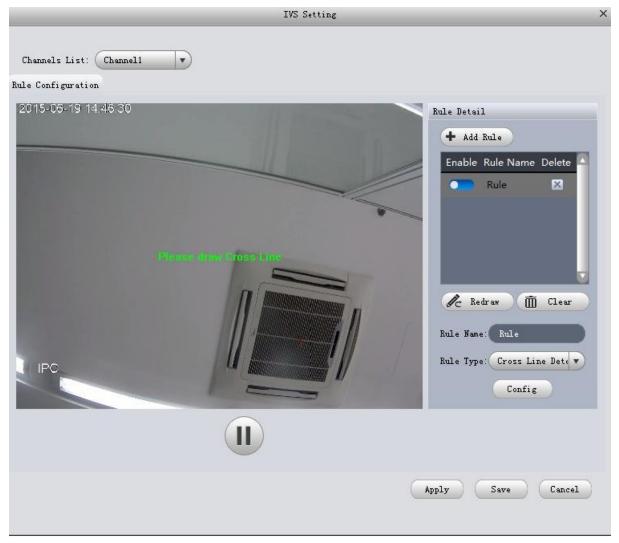


Figure 4-14

Step 3. Click 🛨 🗚 🕯	Rule . See Figure	4-6.	
Step 3. Click	Rule Deta	il	
		edraw m Cle ne: Rule1 ye: Cross Line De Config	

Figure 4-15

Step 4. Configure rule name, and select rule type.

Step 5. In video window, draw detection region, and right click to complete drawing.

- Click Redraw to draw detection region again.
- Click Clear to clear drawn detection region.

See Figure 4-10.

Channels List: Channell  Rule Configuration 2015105219 14:04118	Rule Detail Add Rule Enable Rule Name Delete Crossline
	Rule Name: CrossLine Rule Type: Cross Line Dets V Config
	Apply Save Cancel

Step 6. Click Config. Step 7. Set parameters, select "A<- ->B", "A-->B" or "A<--B", see Figure 4-11.

Config		X
Parameters Confi	guration Time Setting Alarm Message	
Direction:	(A<>B ▼	
	OK	Cancel
	UK I	Calicer

Figure 4-17

Step 8. Click Time Setting, set time, see Figure 4-12.

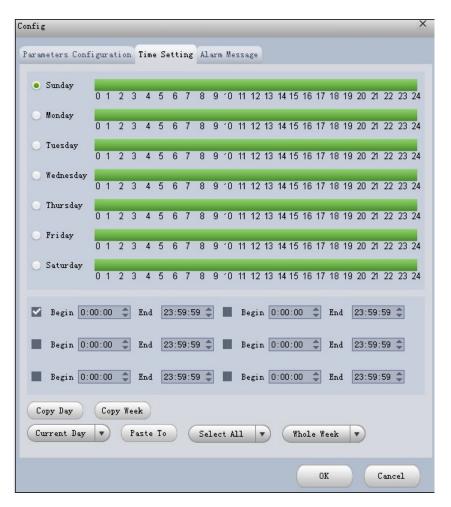


Figure 4-18

Step 9. Click Alarm Message.

Step 10. Check alarm output, record, snapshot and click OK.

Step 11. Click Apply.

When alarm occurs, in LOG interface, you can select alarm log for type, and IVS device for device name to search alarm info. See Figure 4-13.

Sta	art Time 2015-06-17 00:00:00	0	<ul> <li>End Tir</li> </ul>	me 2015-06-19 23:59:5	59		Search
	Type Alarm	All	<ul> <li>Device Nar</li> </ul>	me All	_	×	Export
lo.	Time	Alarm Type	Event Type	Device Name	Channel	Deal Messages	Operati
	2015-06-19 14:43:46	Audio Abnormal	Occured	172.25.1.35	Channel1	Pending	
	2015-06-19 14:43:52	Audio Abnormal	Disappered	172.25.1.35	Channel1	Pending	

Figure 4-19

### 4.1.7 Smart Track

The system supports smart track in Liveview interface.

1) In device list on the right of Liveview window, right-click smart track device, select "Smart Track Config". System pops up Smart Track Config box, see Figure 4-14.



Figure 4-20

- 2) Click +, select PTZ dome device.
  Note:
  Do not link more than 3 PTZ cameras at the same time.
- 3) Click Save. See Figure 4-15.

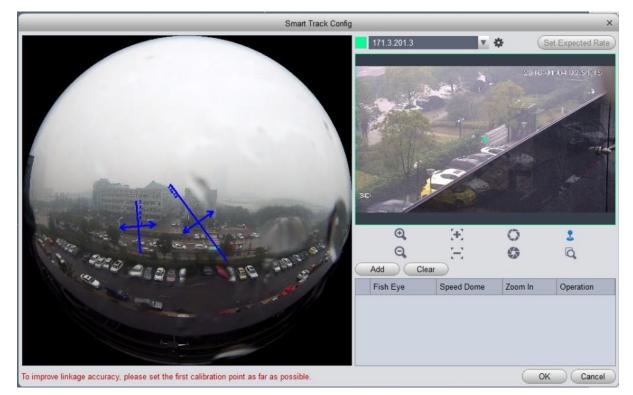


Figure 4-21

- 4) Click Add.
- 5) In fish-eye device list on the left,, select one point. Then image shown on the right will turn to

the this selected point, click

Note:

To improve accuracy of track, mark of first group shall be a far fixed reference object.

6) Repeat step 4 and 5, add at least three points. See Figure 4-16.



Figure 4-22

- 7) Click OK.
- 8) Right click device on the right in fish-eye device list, select Smart Track. System pops up smart track box, see Figure 4-17.

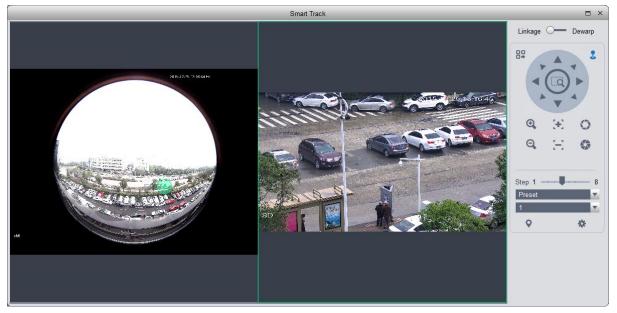


Figure 4-23

9) Click a random point on device on the left, PTZ camera on the right will auto turn to the related position.

In this interface, you can correct smart track by clicking on dewarp at the upper-right corner, please refer to Ch 4.1.4.

### 4.1.8 PTZ

If the device type is PTZ dome camera, you can click the PTZ button to set. See Figure 4-24.



## Figure 4-24

Please refer to the following sheet for detailed information.

Item	Function			
PTZ menu	Click to go to the PTZ menu. See Figure 4-25.			
Mouse simulator	Click , you can use your mouse to set camera movement direction.			
Direction buttons	It is to set camera movement direction. There are total 8 directions. Top/bottom/left/right/top left/top right/bottom left/bottom right.			
Zoom	It is to control speed dome to realize zoom function.			
Focus	It is to adjust video definition.			
Iris	It is to adjust brightness.			
Step	It is to control PTZ movement speed. It supports value 1 to value 8.			
Preset	There are 128 presets by default. You can set camera to a specified preset. Use direction keys to move the camera to your desired location and then input preset value. Click Set button, you have set one preset.			
Tour	This function allows the camera to move between several presets.			
Horizontal rotate	It is to enable horizontal rotate function.			
Scan	It is to set two limits so that the camera can move back and forth.			
Pattern	The camera can memorize dome operation such as pan, tilt, and zoom to repeat.			
Aux	It is to set aux positioning.			

#### 4.1.8.1 Preset

This function allows you to set camera to a specified position.

#### Preset setup

Please note system supports a max of 128 presets by default.

- 1) In Figure 4-24, use direction keys to move the camera to your desired location.
- Click riangle dropdown list, select preset; click riangle and click riangle dropdown list. Select number within 1~128.
- 3) Click 🗹 to set corresponding preset. .

#### 4.1.8.2 Tour

This function allows camera to go between several presets.

## Important

## Before you use this function, please set at least two presets.

### Tour setup

1) In Figure 4-24, select Tour from the dropdown list and then click 🗱 button. See Figure 4-26.

	Tour List		×
Tour ID 1	Tour Name	_	I
Preset	Time(s)	Operation	
1	10	+	
	(	OK Cancel	)



- 2) Input tour number/tour name.
- 3) Select preset number from the dropdown list and input stay time.
- 4) Click **t** button to add one preset to the tour. Select another preset number from the dropdown list and then click Add button again to add more preset to the tour.
- 5) Click OK button to complete the tour setup.
- 6) Click 😃 button to tour.

#### 4.1.8.3 Pan

- 1) Click Pan dropdown list, select Pan.
- 2) Click 😃 to enable Pan.

4.1.8.4 Scan
1) Click Scan dropdown list, select Scan.
2) Click PTZ button, to rotate left, click k, set left border.
3) Rotate PTZ to right, click set right border.
4) Click 😃 to enable Scan. PTZ will rotates within the range of two borders.
4.1.8.5 Pattern Pattern is the process of recording.
1) Click Pattern dropdown list click Pattern.
2) In 1 dropdown list select number of pattern, you can set up to 5
patterns.
3) Click IB, after button is red, operate on 8 buttons of PTZ to start setup of pattern.
<ol> <li>Click           B, complete pattern setup.     </li> </ol>
5) Click 😃, deivce will rotate accoridng to set pattern.
4.1.8.6 Aux
1) Click Aux dropdown list, select Aux.

- 2) In Aux order box, input any number between 1~255. Each number has a corresponding function.
- 3) Click 😃, display function of Aux order.

## 4.2 Playback

After you recorded a file, you can go to this interface to playback.

On the homepage, click in the Basic pane, you can go to the playback interface. See Figure 4-27.

	SmartPSS Professional Surveillance System			+	& ≞ ? - ⊡ ×
	Professional Surveillance System	HOME PAGE	PLAYBACK	ADD	
					Device Local
					Device
					🖃 🔲 🗁 Default Group
					□         ○         10.15.117.109           □         □         10.15.6.22           ■         □         □           ■         □         □
					□ □ 10.13.6.33 □ □ 10.15.6.84 □ □ 10.15.6.86
					🗖 🌄 10.15.6.87
	Main Stream(648.54 kb/s, 1280*960)		ତାର ×	→ 1	
	4 2	1	1		
		ALC: NO			
			*	→ 2	
					View 🗸
	Channel 1		0		Type All 💌
3 -					Stream Main Stream
5	🕑 Record 🛃 Event	() ()			Card ID
	Channel Name 1 2	3456	7891	2014-08-04 10 11 12 13 14 15 16 17 18 19 20 21 22	23 To 2014-12-10 23:59:59 🗸
	Window1_CAM 1 Window2_CAM 2				Search
	Window3_CAM 3 Window4_CAM 4			4 5	
6					
		7		Figure 4-27	
				J · - ·	8 9

SN	Item	Function
1	Shortcut operation column	<ul> <li>There are shortcut operations to download record file and snapshot.</li> <li>Snapshot.</li> <li>Snapshot.</li> <li>Zoom in window</li> <li>Close current window.</li> </ul>
2	Playback window	Playback record
3	Mode	There are two playback mode: by time/by event.

SN	Item	Function
4	Playback tool bar	It is to control the playback process, audio and etc:
5	Window display mode setup	It is to set window split mode. The value ranges from 1- window to 36-window.    Select a window and then click this button to realize customized setup.   Full screen.
6	Time bar control	It is to zoom in /zoom out time line.
7	Time bar	Playback time process.
8	Time clip	It is to edit the time line to download the specified records.
9	Export process	It is to export the records of the specified period.

### 4.2.1 Playback Device Record

Please follow the steps listed below to search the record you want and then playback.

- 1) In Figure 4-27, click Device button on the upper right intergface.
- 2) Check a channel (or some channels) on the device list on the top right pane.
- 3) Select record type, stream type and record start time and end time.
- 4) Click Search. See Figure 4-22. By default, system search record by "time".

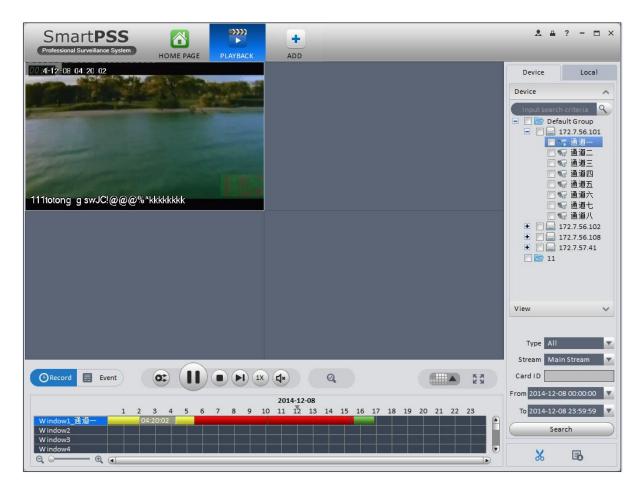


Figure 4-28

- Green color stands for the general record.
- Yellow color stands for the motion detect record.
- Red color stands for the alarm record.
- Blue color stands for card no. record.

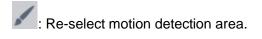


- 6) Click at to intelligently search motion detection. System shows motion detection window.
- 7) Left click to select motion detection area with the box.
- 8) Click to search motion detection. The purple time bar represents found motion detection in Figure 4-23.

	2014-08-02										
Channel Name 6	7	8	9	10	11	12	13	14	15	16	1'
Window1_Channel 1											
Window2_conf_img											
Window3_CAM 5											
Window4_conf_img											6
Q Q (											Þ

Figure 4-29

9) Click to play motion detection in video window.



- C: Exit intelligent search.
- 10) Click event below video window. System search record file by event.
- 11) Click , to playback record. See Figure 4-24.

SmartPSS Professional Surveillance Syste	_		+ ADD			.≜ ?	- = ×
			2015-0	16-19 C	1:00:02	Device	Local
			2010 (			Device	^
						* 0 10. • 10.	CAM 28 CAM 29 CAM 29 CAM 30 CAM 31 CAM 31 CAM 31 I5.6.189 I5.6.201 I5.6.201 I5.6.205 CHAN_1 CHAN_2 IPC12 Channel4 I5.6.208 I5.6.244 I5.6.87 I5.6.91 I5.6.91 I5.6.91 I5.6.91 I5.6.91
11						Record	Picture
						Type All	Ψ.
00:00:04 / 01:00:00						Stream Main S	Stream 🔽
ORecord		) 🕨 1x 🗝	— 🔹 —			Card ID	
					🔨 Display	From 2015-06-19	00:00:00
All Device Name	Channel Name	Record Type	Start Time	Duration(Min)	File Length(MB)	To 2015-06-19	23:59:59 🔻
1 10.15.6.201	1	General Record	2015-06-19 00:00		24.81	Searc	
2 10.15.6.201 3 10.15.6.201	 	General Record General Record	2015-06-19 01:00 2015-06-19 02:00		24.44 25.15	Searc	
4 10.15.6.201		General Record General Record	2015-06-19 02:00		24.79		₿

Figure 4-30

- 12) Select Picture on the right.
- 13) Configure search time, click Search. System shows snapshot, see Figure 4-25.

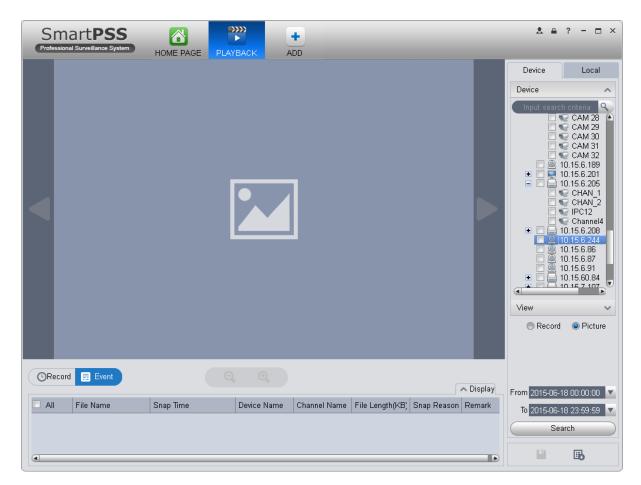


Figure 4-31



14) (optional) You also can playback record under View.

a) In Liveview interface, click 🛄 at bottom.

System pops up Figure 4-26.

S	ave View	×
View Name: ☑ Add to Tour Task	[1	]
	OK Cancel	

Figure 4-32

- b) Input video name, click OK.
- c) On the right, click View tab, right click newly added view, select Playback.
- d) System auto jumps to playback window, and shows process bar at the bottom.

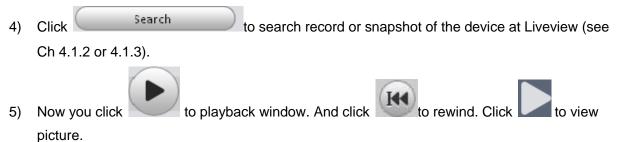
e) Click	to play record,	see Figure 4-27.	
SmartPSS Professional Surveillance System	HOME PAGE LIVEVIEW(1)	PLAYBACK ADD	& ≞ ? - ⊡ ×
			Device Local
			Device View
			Type All
ORecord			Stream Main Stream
1 2 Window1 &conf i Window2_yan Window3 HDBW Window4 IPC1	3 4 5 6 7 8 9	<b>2015.06.18</b> 10 11 12 13 14 15 16 17	From 2015-06-18 00:00:00 ▼ To 2015-06-18 23:59:59 ▼ Search

Figure 4-33

#### 4.2.2 Playback Local Record

Please follow the steps listed below to search the record you want and then playback.

- 1) In Figure 4-27, click Local button on the right pane.
- 2) Check a channel (or some channels) on the device list on the top right pane.
- 3) Set search for record or picture, and select local record or picture time to search.



### 4.2.3 Export

There are three ways for you to select export records.

10) In Device record interface, select periods on the time line and then click to export records.

11) In Record event interface, select record type and then click  $\blacksquare$  to export records.

12) In Local record interface, check the records first and then click  $\blacksquare$  to expoer records.

You can see the export interface is shown as in Figure 4-34. Select the corresponding export path and then click OK button to export.

	Expo	ort Setup X
Path	?ss_Trunk\b	in\Record\DownLoad\ Browse
Export Format	ASF	V
Export Sma	art Player	
Free Space: 7	56MB	OK Cancel

Figure 4-34

You can click 🚯 to view exporting and exported conditions.

### 4.2.4 Fisheye Playback

You can use fish eye to playback device record and local record.

For example to play local record.

In playback window, click local record tab.

After you search out record, you can select fisheye view to playback the record. See Figure 4-29.

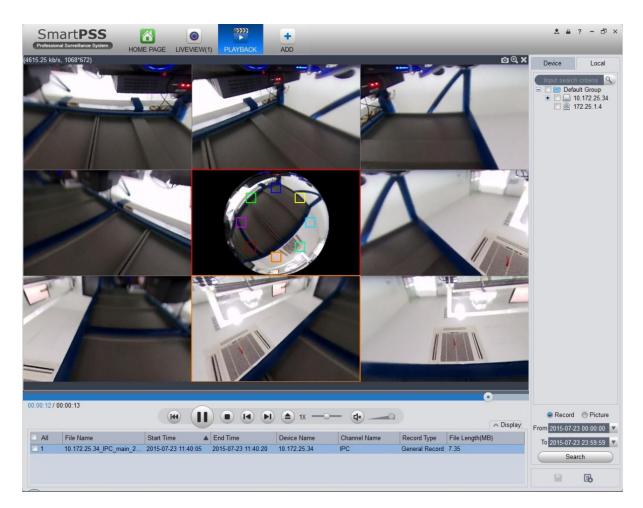


Figure 4-35

## 4.3 Alarm Manager

If you have set an alarm scheme, you can see the corresponding alarm in the Alarm manager interface. You can refer to chapter 3.7.1 to set an alarm scheme first.

Click icon

in the basic pane, you can go to Alarm manager interface. See Figure 4-36.

					splay Link Video 🛛 🗖 🛛	isplay Overlay Window	Pause Refres
No.	Status	Alarm Type	Time	Event Type	Device	Channel	Operation
1	Pending	Motion Detect	2016-01-07 16:40	0:33 Occured	27	IPC1234567	

Figure 4-36

You can click I next to operation column in alarm interface to view linked record, and click

to view linked snapshot.

If you have set alarm activation video function in your alarm scheme setup (chapter 3.7), you can see system instantly shows video window. See Figure 4-37.

If you check the box at the bottom of the interface to pause refresh, the new alarm info will not be shown in alarm list instantly. Click Alarm Manager at the right bottom of the interface, system goes to the alarm manager interface for you to view the corresponding alarm record.

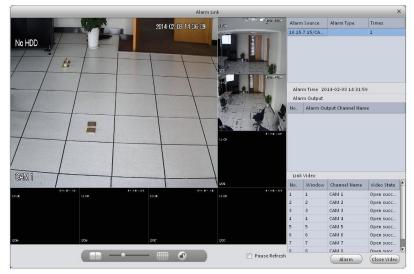


Figure 4-37

## 4.4 Video Talk

It supports call, live preview, remote unlock and message sending.

For fence station, you shall select device type as fence station on WEB. Go to System Settings>Local Config>Device Type. In System Settings>LAN Config set building no., unit no. both to 0, set MGT center IP to the installation IP address of SmartPSS.VTO select its building no. and unit no. according to actual condition on WEB.

For example, Unit 1, Building 1. VTO WEB can create room no., VTH config its room no. and corresponding VTO on device local GUI.

Note:

After fence station and VTO web interface are configured, you need to add to SmartPSS Client, please refer to Ch 3.5 for steps to add device.

After device is added, in SmartPSS Client video talk interface, in the device tree on the right, building no., unit no. reported by each device will create device tree. Fence station shoes its own name.

1) Configure.



a) In homepage Basic function area, click System pops up video talk interface, see Figure 4-35.

SmartPSS Professional Surveillance System	HOME PAGE	VIDEO TALK	+ ADD	*	≞ ? – ⊡ ×
Monitor Talk	Announcement	Setting	AUU		
VTS Address	10.15.1.103	_			
				OK	

#### Figure 4-38

- b) Fill in VTS server address, which is the address required to create talk with the device, known as local device address.
- c) Click OK.
- 2) Monitor.
  - a) Click Monitor tab.

In Monitor interface, you can unlock, one-way call fence station or VTO and other operations, see Figure 4-36.

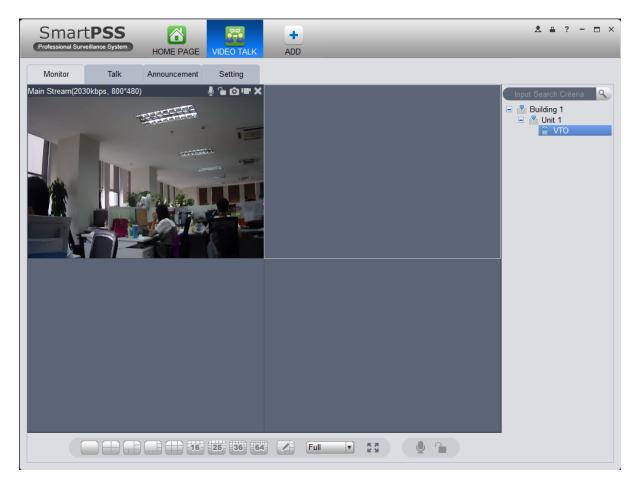


Figure 4-39

b) Click  $\blacksquare$  in the window, or  $\blacksquare$  at lower bottom, or right click to select  $\blacksquare$  start call.

All of these allow client to one-way call VTO or fence station, so the VTO or fence station can hear call from client, while the client cannot hear sound from VTO or fence station.

c) Click 🛅 in the window, or 🔁 at lower buttom, or right click to select 🎦 unlock.

All of these allow client to unlock VTO or fence station.

d) Click **o**, **u** in the window, or right click to select snapshot, start record.

You can snapshot or record the live preview.

In video window, right click menu includes snapshot, record, switch string type, adjust window scale and etc. Please refer to Ch 4.1.

3) Talk.

a) Click talk tab.

According to reported name by fence station or building no. , unit no. and other VTH info reported by VTO, auto generate contact.

One row below contact is info of fence station or VTO in format of unit, including VTO, VTH, fence station(shown as device name) under this unit.

See Figure 4-37.

Monitor	Talk	Announcement	Setting					
Contact				Input search criteria	٩	Please input s	search criteria,	as 1#1#101
Building 1 Un	it 1 Online: 2 Offl	ine: 16			~	1	2	3
						4	5	6
						7	8	9
						*	0	#
							٩.	
						Call History	All	Missed

Figure 4-40

b) Click next to each row.See Figure 4-38.

Monitor	Talk	Announcement	Setting						
Contact				Inpu	t search criteria	٩	Please input	search criteria	as 1#1#10
Building 1 Unit	1 Online: 2 O	ffline: 16				^		2	3
<u> </u>	01 VTO		1-9901 VTH		1-101 VT	н		2	3
1#1: 	<b>#6901</b> e	and the second s	1#1#9901 name		1#1#101 name		4	5	6
tel			tel		tel		7	8	9
(					رفر		· ·	0	
1-10			1-103 VTH		1-8008 VT	н	*	0	#
nam	<b>≢102</b> e	and the second se	1#1#103 name		1#1#8008 name			ę	
tel			tel		tel				
	<u> </u>				رفن		Call History	All	Missed
1-10			1-105 VTH 1#1#105		1-201 VT 1#1#201	н			
nam			name		1#1#201 name				
tel			tel		tel				
$\langle$	6				<				
1-20			1-203 VTH		1-204 VT	н			
1#1	‡202		1#1#203 name		1#1#204 name				
tel	e		name tel		tel				
C	C								

Figure 4-41

- If client needs to call VTO in a certain unit.
  - 1) Click on VTO name card.

Please note, only client can call VTO as an one-way talk. System pops up a box, see Figure 4-39.



Figure 4-42

- 2) Click
- System pops up dialogue box, click OK. You can remotely unlock VTO.
- 4) Click , to stop existing call. Call window will not close.
- If client needs to call a VTH in a specific room and unit.
  - 1) Click on VTH name card.

Please note client and VTH can talk to each other as a bidirectional talk. System pops up a box, see Figure 4-40.



Figure 4-43

2) When VTH picks up, client can talk with VTH. See Figure 4-41.



Figure 4-44

If VTH does not answer over 60s, then client pops up a box to ask if you want to dial again.

You can click to re-dial.

- If the VTH is busy or hang up call, client will ask you to try again later.
- If VTO is calling client.

Client pops up VTO call box, see Figure 4-42.

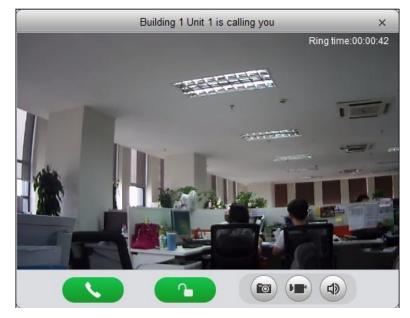


Figure 4-45

You can click

to answer VTO call, and start a bidirectional talk.



• If VTH is calling client.

Client pops up VTH call box, see Figure 4-43.



Figure 4-46

You can click to call VTH.

If there is missed call, in talk interface, in the lower-right, missed calls are shown here. See Figure 4-44.



Figure 4-47

You can view all call histories.

Click sto call missed call.

When you search in

S, it requires accurate building no., unit no.,

and fuzzy room no. For example, input "1#1#" as to search all devices under unit 1, building 1. If input "1#1#10" as to search all VTHs under room no. 10.

You also can set name and telephone phone number on each device name card and when search, directly input "building no.#unit no.#name keyword" to search.

1	2	3
4	5	6
		-
7	8	9
*	0	#

On the right, you can directly dial to callVTO as a one-way talk, to call VTH as a

bidirectional talk.

- 4) Announcement.
  - a) Click announcement tab.
  - b) Input title, contents, see Figure 4-45.

SmartPSS Professional Surveillance System		CO TALK ADD	_	± ≞ ? - □ ×
Monitor Talk	Announcement Se	tting		
New Message				Input Search Criteria
Title welcome	_	_	Input max of 64 characters	■ □ ₩ Unit 1 ■ □ ₩ VTO
Text abcdefgab	cdefgabcdefgabcdefgabcdef	gabcdefgabcdefg	Input max of 256 characters Clear Send	Image: 100         Image: 102         Image: 103         Image: 104         Image: 104         Image: 105         Image: 104         Image: 105         Image: 104         Image: 104         Image: 104         Image: 104         Image: 104         Image: 104         Image: 105         Image: 104         Image: 104      I

Figure 4-48

c) In the device list on the right, check one or more VTHs, click send.
 During sending, the send button is grey, and if you want to continue to send announcement, you shall wait until the send button resumes. You can view announcement information on VTH.

## 4.5 Access

SmartPSS integrates access control device with effective management and configure of device. It achieves modularization of access business and integrates access with video link and e-map. Note:

Access controller must be added into SmartPSS client, please refer to device adding steps in Ch 3.5.

Added access controller are all configured in SmartPSS device, please see:

- General-Network (refer to Ch 3.6.1.1), support device IP setup.
- System Maintenance-User (refer to Ch 3.6.4.1), support device password setup.
- System Maintenance-System Maintenance (refer to Ch 3.6.4.2), support device time setup and upgrade.

After device is added, in SmartPSS client Access interface, in device tree on the left, device tree is auto created.

In BASIC area in homepage, click to enter Acess interface.

## 4.5.1 Console

In Access interface, you can click



on the left to enter Console interface which can

monitor and control all access control devices. See Figure 4-49.

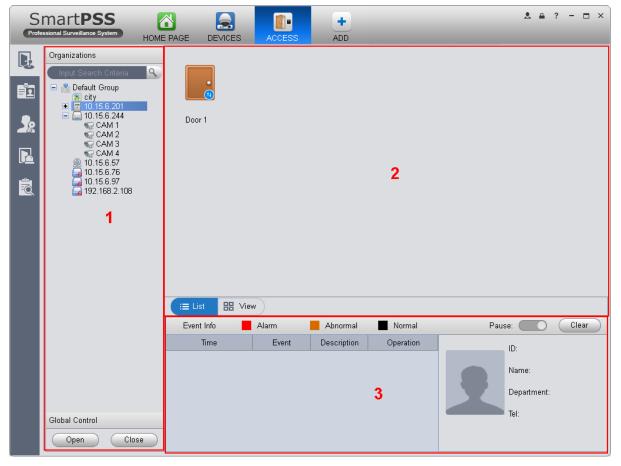
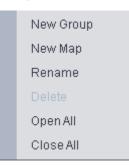


Figure 4-49

No.	Parameter	Note
1	Organizations/ Zones	Organizations: according to device (channel), set group and e-map. Zones: axcording to channel, set group, e-map. Search support keyword of each node.
2	List/View	List: Access status displsy and control. View: Video/e-map preview and control.
3	Event	Access event: view alarm event, abnormal event and normal operation. View event: device info and user info.

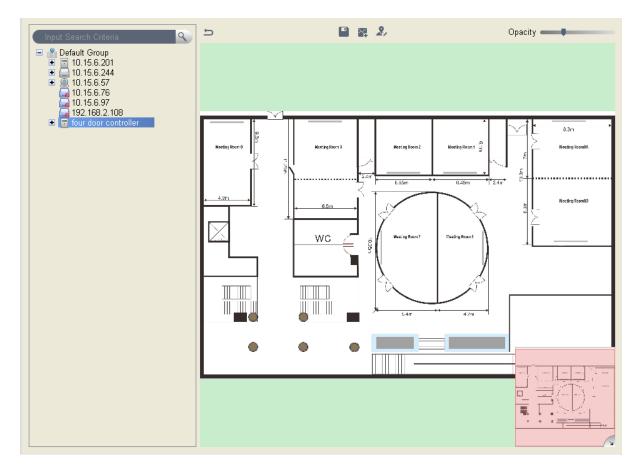
## 4.5.1.1 Organizations/Zones

You can right click New Group at node, to set device or channel into different groups for management, and right click on node, see Figure 4-50.



#### Figure 4-50

Parameter	Note	
New Group	Create sub group, rename group and delete group.	
Open/Close All	Open\Close accesses under all groups.	
	Create e-map, click New Map, enter map name and select picture to enter map edit, see Figure 4-51.	
	<ul> <li>Access/video channel dragging</li> </ul>	
	<ul> <li>Video monitoring range setup</li> </ul>	
New Map	<ul> <li>Monitoring range opacity setup</li> </ul>	
	•Add hot zone, max 3 hot zones	
	●Edit map	
	●Save map	





You can right click at access device node and operate device, see Figure 4-52.

<b>F</b> : 4 50
Extract Records
Sync Data
Extract Card Info
Details
Stop Real-time Event Monitoring

Figure 4-52

Parameter	Note
Real-time Monitoring	Real-time extract device event info.
Details	Device details search, including: device name, device IP, device type, device model, device status, SN, and version.
Extract Card Info	Extract device stored card info and fingerprint info, support to export
Sync Data	Delete all device info (excluding card record and alarm record), sync user data with device, the data include right, (user-related, period), anti-pass back, inter-lock, first card unlock and multi-card unlock.

Parameter	Note
Extract Records	Extract device card records and alarm records within 30 days

You can right click at access channel node, and operate device, see Figure 4-53.

Open
Close
Change Channel Name
Door Configuration

#### Figure 4-53

Parameter	Note
Open/Close	Client remotely open/close door.
Change Channel Name	Edit channel name.
Door Configuration	Door parameter setup, please see Figure 4-54.

	Door Set-Door 2	×
Door	Door 2	
Reader2	Reader2	E
Status	Normal	
Latch Open Time	2	Second
Door left open timeout	6	🗧 Second
Holiday Period	Default	
Keep open period	Default	
Unlock Mode	Card / Password / Fingerprint	
Alarm		
	✓ Intrusion ✓ Overtime	Duress
Door Sensor		
		Save Cancel

Figure 4-54

- Reader (card reader): support naming of reader, and setup of entry/exit status. The following is default setup.
  - Single door one-way: 1 in 2 out.
  - Dual door two-way: 1/3 in, 2/4 out.

- Four door one-way: 1/2/3/4 in
  - Access status: normal, NO, NC.
  - Door lock hold time: 1s~600s.
  - Door not locked timeout: 1s~9999s.
  - NO period: within access period, in NO period, door is normally open; null by default.
  - Holiday period: within access period, in holiday period, holiday period has priority; null by default.
  - Unlock method: support card, password, fingerprint, card+password, card+fingerprint, card or password or fingerprint, by period.

When a door is set to multi-card unlock, unlock method is invalid, see Ch 4.6.3.17.

- By period: support Monday-Sunday, four periods per day, each period supports a different unlock method.
- Alarm enable: Duress: forced to swipe card, alarm occurs. Intrustion: instrusion, alarm occurs. Timeout: door not locked, alarm occurs.
- Sensor enable: door open status is judged according to door sensor.

You can right click within tree range to achieve one-level directory grouping and tree sequence, see Figure 4-55.

Region Tree(By Channel)
New Group
Sort By Type
Sort By Name

Figure 4-55

Parameter	Note
Region Tree(default)	By default, it shows organizations, you can select Region Tree to set organizations.
New Group	Level 1 directory grouping.
Sort by Type	Sequence according to device/channel type.
Sort by name (default)	Sequence according to name.

You can right click in e-map node, and edit, delete and rename e-map.

Global control can achieve one-click NO/NC of all access channels under emergency.

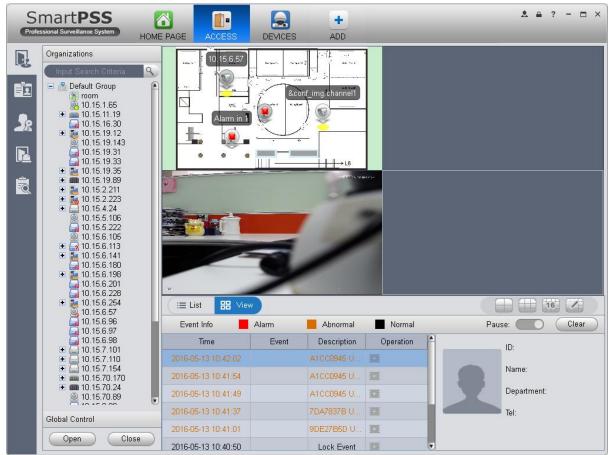
#### 4.5.1.2 List/View

In list mode you can achieve access live preview and monitoring, see Figure 4-56.



Figure 4-56

You can preview video and e-map in view mode, see Figure 4-57.





- > Video preview: please refer to Ch 4.1.1.
- E-map preview: After you edit map, you can drag e-map into video window for preview. Scroll your mouse to zoom in/out; click (or move mouse to range within camera) camera icon on mao to open video, right click access control on mao to enable/disable access.
- ➢ Right click in e-map preview window, see Figure 4-58.



	Figure 4-58					
Parameter	Note					
Close Video	Close current e-map window.					
Close All Video	Close all video windows.					
Open All Channels	Open all channels on e-map .					
Video Wall	Output all video channels in e-map to video wall.					
Open All Doors	Open all accesses on e-map.					
Full Screen	Display current window in full screen.					



standard formats in your favorites, click to split interface, see Figure 4-59.

Standard Layout	
Customized Layo	
	/

Figure 4-59

You can click add to favorite icon (red heart) to add format into favorties. Standard split: 1, 4,6, 8, 9, 16, 25, 36, 64.

Custome split: there are 9 types of custom split, see Figure 4-60.

		Cu	stom Layout			×
			Row þ	A V	Col 6	÷
	1					
	4					
	6					
	8					
	9					
	16					
	25					
	36					
	64					
				ОК	Can	cel

Figure 4-60

## 4.5.1.3 Event

You can view all live preview access events and their details of monitored device, see Figure 4-61.

Event Info	Alarm	Abnormal	Normal	Pause: 🦲	Clear
Time	Event	Description	Operation	IP:	10.15.6.180
2016-05-13 11:24:55	access 2/Do	Lock Event	•	_	
2016-05-13 11:24:52	access 2/Do	Intrusion Alarm!	<b>I</b>	Туре:	Access Controller
2016-05-13 11:24:52	access 2/Do	Unlock Event	<b>E</b>	Device Mod	el:BSC1204B
2016-05-13 11:24:46	access 2/Do	Button press	<b>E</b>	Status:	Online
2016-05-13 11:24:42	access 2/Do	Button press	<b>E</b>		
2016-05-13 11:24:04	access 2/Do	Lock Event	•		

Figure 4-61

Parameter	Note
Lock	Lock event in current event info, during the period the locked event will not be shown in list but user can search for it in log.
Clear	Clear event in current event info, not delete it from log.
User Info	User info: photo, name, department, tel.
Device Info	Device info: device IP, device type, device model, device status (online, offline).

## 4.5.2 User Management

In Access interface, you can click on the left to enter User Management interface, to manage all users. See Figure 4-62.

Department Tree	+Batch		Edit Delete	Import Export	Card (	🛛 ID / Name / Card # 🔍
ीease enter search criteria 🔦	N	/ork ID Name	Card No.	Card Type	Department	Fingerprint Numbe
Default Department						
1				2		
		20			A Colto nomo	
	No./Page	20 🔽			<ul> <li>Go to page</li> </ul>	/O Page 🕨 🛄

Figure 4-62

No.	Parameter	Note
1	Department Tree	Department management, support to add/delete/edit department organization.
2	User Info	User management, show corresponding user info under department node. Sort card issuing, lost, frozen, edit and etc. of user. Sort user.

## 4.5.2.1 Department Management

At department node or blank area in department tree, you can right click to operate, see Figure 4-63.

Add Department Edit Department Delete Department

Figure 4-63

Parameter	Note
Add Department	Add department sub node or level 1 department node. Name of departments at same level cannot be repeated.
Edit Department	Edit department name.
Delete Department	Delete existing department. You cannot delete department which contains user.
Search Department	Support search of department node keyword

## 4.5.2.2 User Management

In User Management interface, you can click Card button, select type of card you use, see Figure 4-64.

	Setting card type	×
۲	ID Card	
0	IC Card	
0	CPU Card	
	OK Cancel	

Figure 4-64

It supports ID/IC/CPU cards, and CPU can be encrypted. **Warning:** 

If card type and card reader do not match, then you cannot read card no.!

In User Management, youc an click Hanual button to manually add user info. User info mainly includes basic info, fingerprint, details, see Figure 4-65 to 4-67.

		Ν	/lanual Ad	d		×
Basic Info	Fingerprint Info	Details				
Work ID: Name: Departmer Card No.:	Card Rea	epartment der not ready!		*		
Card Type: Card Pass Unlock Pa	word:	Card	· ·			
Number of					Upload Picture	
∨alidation:	2016-5-13	: 0:00:00	20	126-5-13 23:59:59	3653 days	
				Continue to Ad	ld Finish Cance	

Figure 4-65



Figure 4-66

		Mar	nual Add		;
Basic Info	Fingerprint Info	Details			
Gender:	<ul> <li>Male</li> </ul>	🔿 Female	ID Type:	Identification 🗸 🗸	
Title:	Mr	×	ID No.:		
DOB:	2000-1-1	<u>*</u>	Company:		
tel:			Occupation:		
Email:			Entry Time:	2016/5/13 0:00:00 🔹	
Mailing Add	ress:		Resign Time:	2016/5/13 0:00:00 🔍	
Note:					
			Continu	e to Add ) ( Finish ) ( C	ancel

Figure 4-67

Parameter	Note
	Word ID 【mandatory】.
	Name [mandatory].
	Department 【auto associate】.
	Card no.: input by card reader and manually.
Basic Info	Card type: general card, VIP card, guest card, blacklist card, patrol card, and duress card.
	Unlock password: only used for unlock via password.
	Card password: used for card+password unlock.
	Number of use: only for guest card.
	Validity: card validity, 10 years by default.
	Picture: user photo, max 120K.
	Collect fingerprint via fingerprint device and reader.
Fingerprint Info	Each user can have up to 3 fingerprints.
	Support input of fingerprint name.
Details	Gender, title, education and etc.

## Warning:

Word ID and card no. cannot be repeated!

In User Management interface, you can click +Batch



button to batch issue card, see

Figure 4-68.

	Batch Add ×					
Devid	ce:	Card Reader	v			Issue
Work	k ID: 🦳					
Car	d List		The rest:		Details	
	No	Name	Card	Operat	ID:	
					Name:	
					Card No.	
					Department:	
					Start Time:	
					Over time:	
			_	Þ	(	Save Cancel

Figure 4-68

Parameter	Note		
Batch Issue Card by User	<ul> <li>Step:</li> <li>A. Manually check user to want to issue card to 【auto filter out users already have card】.</li> <li>B. Click Batch.</li> <li>C. User select card issuing device: support card issuer and card reader of controller.</li> <li>D. Click read card no, and device starts to read.</li> <li>E. Place card on device, link user to card no. one by one.</li> <li>F. Click save to complete card issuing.</li> </ul>		

Parameter	Note		
Batch Issue Card by Work ID	<ul> <li>A. User click to batch issue card</li> <li>B. Enable Work ID: C</li> <li>C. Enter starting word ID (auto filter out users already have card)</li> <li>D. Click to get user and complete adding user to have card.</li> <li>E. Click read card no., so device starts to read card no.</li> <li>F. Place card on device one by one to link card to work ID by sequence.</li> </ul>		
	G. Click save to complete.		

In User Management, you can click

Edit button to edit user, see Figure 4-69.

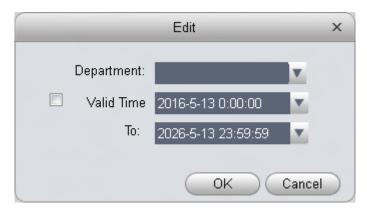


Figure 4-69

Parameter	Note	
	Check user you want to edit.	
Department	Click Edit.	
	Select new department.	
	Click OK.	
	Complete.	
	Check user you want to edit.	
	Click Edit.	
Volidity	Check valid time.	
Validity	Set time.	
	Modified valid time will be sent to device.	
	Complete.	

In User Management interface, click Delete button to delete user. Check user you want to delete, click Delete. Confirm that all information and rights of the user you are doing to delete will be deleted from the device.

You can click either of Import Export to import/export user info.

Import/export info includes: work ID, name, card no., card type, department, fingerprint name, fingerprint name.

Note:

During data importing, it auto generates department.

## Warning:

## If imported data (word ID/card no.) already exists, it will not import the information.

Parameter	Note
Modify user info.	
Delete user info.	
Lost Clear user card no. and delete card info in device.	
Freeze	Freeze card no. in device. You can click unfreeze if you want to restore frozen card.

🗙 Lost Freeze

In User Management interface, you can click

In User Management interface, you can click

user.

Note:

Work ID and name suopport fuzzy search.

Card no. supports accurate search.

## 4.5.3 Permission Management

0
15

In Access interface, you can click

on the left to enter Permission Management which

Q

to search keyword of

allows management of right about user issuing card.



In User Management interface, you can click door group right, and set a specific period of time, a specific door or door group can be unlocked via verification, see Figure 4-70.

Name: 📔 🔶 🕇 Add						
Name	Period	Operation	Door Group Details			
			Name:	Period:		
			Door List	User List		
			Name	User Name Department		
	1		2	3		

# Figure 4-70

No.	Parameter	Note
1	Door Group Info	Client door group info list.
2	Door Group Details	Details of current door group.
3	User Info	User right info of current door group .

In Door Group Right interface, click + Add, see Figure 4-71.

	Add Door Group	×
Name:	Door Group1 *	
Time Zone	; Default 🔹 🔽	
Input S	Search Criteria	٩
	Default Group 10.15.16.30 10.15.19.31 10.15.19.33 10.15.5.222 10.15.6.113 10.15.6.180 10.15.6.201 10.15.6.201 10.15.6.96 10.15.6.96 10.15.6.98 10.15.6.98 10.15.8.100 192.168.1.100 192.168.2.108 192.168.2.108 10.15.8.2.108 10.	
		Save Cancel

Figure 4-71

- 1) Enter name of door group, which cannot repeat existing door group name.
- 2) Select access period.
- 3) Check door, click Save.

Click *button to re-edit door group info.* 

## Wanring:

Door group name cannot be repeated!

In Door Group Right interface, Icick it to add use right, see Figure 4-72.

		User	Select	×
Name:	Door Gro	oup1		
User	List		(	Delete Clear
	Work ID	Name	Department	Operation
Hid				Work ID/Name
	Work ID	Name		Department
			(	Save Cancel



No.	Parameter	Note
1	User List	Existing user info with door group right.
2	Search List	Info of user without door group right.

- 1) In search list dropdown list, select department of user you want to add or directly enter Word ID or name.
- 2) In search list check searched user and add to list.
- 3) You can delete user who already has right.
- 4) Click Save, to complete the selected user into all door groups.

In search list filter out user who do not have card no. info.

In Door Group Right interface, you can click k button to delete all information and right of the door group in the system.

#### Warning:

During right issuing process, please sure client and device are will connected.

#### 4.5.3.2 User Right

In User Management interface, you can click *in User Right interface to add specific user into access right list, or delete specific user from list.* 

- 1) Check or cancel checked door group.
- 2) Click OK as to confrim cancellation or adding of personal user right.

#### 4.5.3.3 First Card Unlock

In Permission Management interface, click First Card Unlock, you + Add button to

set within specific period, only when user with first card unlock right pass verification for the first time, door status will be normal or NO and will be close after this period ends, see Figure 4-73.

		First Card Unloc	k configuration	×
Door:			V	
Period:	Default		V	
Status:	Normal		V	
User List			D	elete Clear
	Work ID	Name	Department	Operation
Hide <b>-</b> Departme				Vork ID/Name
	Work ID	Name	Dep	artment
				Save Cancel

Figure 4-73

- 1) Select to enable first card right door.
- 2) Select period.
- 3) In search list, selete user with first card right.
- 4) Check user.
- 5) Click Save.

#### Wanring:

For user who is auto filtered out in search list due to lack of right of the door, he/she must be given right of this door by first card right holder.

## 4.5.3.4 Multi-door Lock

You can click Multi-door Lock to set that a specific door can be unlocked only when specific users of a group all pass verification in a specific order. Before verification is passed, the users must verify in the designated order. You can click User Group Management button to set group info. See Figure 4-74.



Figure 4-74

1) In User Group Management interface, click + Add, see Figure 4-75.

User Group Edit					
User Group Name Grou	p1				
User List			Delete Cle	ar	
Work Id	Name	Department	Operation		
Hide					
Department:	V		Nork Id/Name	٩	
Work Id	Name		Department		
		I			
		(			
			Save Can	cel	

Figure 4-75

- 2) Select group member.
- 3) Save to complete adding.
- 4) In Multi-door Unlock interface, click + Add
- 5) Select door you want to enable multi-door unlock.
- 6) In Multi-door unlock setup interface, check group.
- 7) Fill in valid number of user for each group.
- 8) Select unlock methof for each gourp. (card, password and fingerprint).
- 9) Click **t** to adjust sequence of unlock.
- 10) Click Save.

A group can contains up to 50 users.

A door with enabled multi-card unlock supports up to 4 groups to verify at the same time, total number of user cannot exceed 50; total valid user cannot exceed 5.

#### 4.5.3.5 Anti-pass Back

In Permission Management interface, click Anti-pass Back to set verification user. A user verifies at door A must verify at door A again when exits since card record must match one to one. If a user does not verify when enters, he/she will not pass verification when exits.

You can click 付	• Add in Anti-pass Back interface. See Figure 4-76.
	Anti-pass back configuration ×
	Controller:
	○ Reader 1 & 2 Antipass
	○ Reader 3 & 4 Antipass
	○ Reader 1,3 & 2,4 Antipass
	○ Reader 1 & 2,3 Antipass
	○ Reader 1 & 2,3,4 Antipass
	OK Cancel

Figure 4-76

- 1) Select access controller to use anti-pass back.
- 2) Select anti-pass back rule according to access controller.
- 3) Confirm.

Rule of anti-pass back:

Unit/single door controller: door reader anti-pass back.

Dual door controller: reader 1 and 2 anti-pass back, reader 3 and 4 anti-pass back, reader 1/3 and 2/4 anti-pass back, reader 1 and 2/3/4 anti-pass back.

Four door controller: reader 1 and 2 anti-pass back, reader 3 and 4 anti-pass back, reader 1/3 and 2/4 anti-pass back, reader 1 and 2/3 anti-pass back, reader 1 and 2/3/4 anti-pass back.

#### 4.5.3.6 Inter-door Lock

In Permission Management interface, click Inter-door Lock, to set inter-lock between two doors on one access controller. When one door is unlocked, other doors will be locked. If you want to unlock one door (under normal status), all of the others shall be locked, otherwise you cannot unlock this door.

You can click + Add in Inter-door Lock interface. See Figure 4-77.

	inter-lock	info	×
Device:		v.	
	1-2 Door Inter-lock	3-4 Door Inter-lock	
	1-2-3 Door Inter-lock		
	○ 1-2-3-4 Door Inter-lock		
		Save Canc	el

Figure 4-77

- 1) Select access controller to inter-lock.
- 2) Select rule of inter-lock.
- 3) Confirm.

Role of inter-lock:

Single door controller has no inter-lock.

Dual door controller: 1-2 door inter-lock.

Four door controller: 1-2 door inter-lock, 3-4 door inter-lock, 1-2-3 door inter-lock, 1-2-3-4 door inter-lock.

#### 4.5.3.7 Remote Verification

In Permission Management interface, you can click Remote Verification to ask the client to let user who passes verification enter within certain period, and admin will judge whether to unlock

or not. You can click Add in Remote Verification interface. See Figure 4-78.

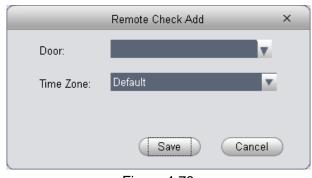


Figure 4-78

- 1) Select door and time to enable remote verification.
- 2) Save.

#### 4.5.3.8 Period Setup

In Permission Management interface, click Period Setup to set specific reader to be valid with specific period and not valid on other periods, as well as set that user can only access a specific

door within a specific period. Period is used for NO period, holiday period, first card period,

remote verification period, door group right period; you can click + Add in Period Setup interface, see Figure 4-79.

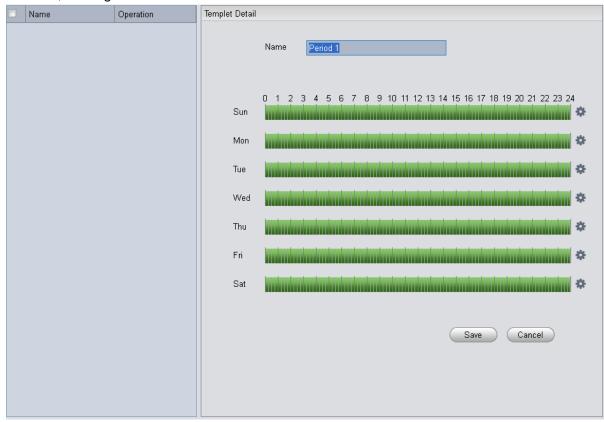


Figure 4-79

1) Enter period name.

2) Select daily period for Monday to Sunday.

## Note:

A device supports to 128 periods setup with daily limit of 4 periods.

## 4.5.3.9 Holiday Setup

period. You can click + Add

In Permission Setup interface, click Holiday Setup to set different access period from general

in Holiday Setup interface. See Figure 4-80.

+	Add X Delete		
	Name	Operation	Templet Detail
			Name: Holiday 1 *
			Select Date: 2016/5/13 🔽 - 2016/5/13 🔽
			description:
			Save Cancel

Figure 4-80

Within holiday period, holiday has priority in execution. Holiday period is for access only.

## 4.5.4 Event Configuration

In Access interface, you can click Event Configuration. You can set that when a input point inside access system triggers a specific event, client will have video link(live preview/record), link event includes: alarm, abnormal, normal event, link event pop-up plus display in log.

Please refer to the following for configuration of event scheme.

- 1) Click Add.
- 2) Set name and event type, select channel and check Enable. Event type includes alarm event, abnormal event and normal event. See Figure 4-81.

		New Scheme		×
Name Untitled 1	*	Description	Enable 🔵	
Event Source		Link Setup	Time Setup	
Event Type Alarm Event	V	Chassis Alarm		
Input Search Criteria 🔍	No.	Channel	Alarm Type	Operation
<ul> <li>Default Group</li> <li>10.15.16.30</li> <li>10.15.19.31</li> <li>10.15.19.33</li> <li>10.15.13</li> <li>10.15.13</li> <li>10.15.113</li> <li>CAM 1</li> <li>CAM 2</li> <li>CAM 3</li> <li>CAM 4</li> <li>CAM 5</li> <li>CAM 6</li> <li>CAM 7</li> <li>CAM 8</li> <li>10.156.180</li> <li>21.156.201</li> <li>21.156.98</li> <li>10.156.98</li> <li>21.156.98</li> <li>21.156.98</li> <li>21.156.98</li> <li>21.168.1100</li> <li>21.268.1.100</li> <li>21.268.1.100</li> <li>21.268.2.106</li> <li>access 2</li> </ul>				
			Next Ca	ncel

Figure 4-81

- 3) Click Next, set link video channel.
- 4) Under Link Setup tab, drag channel and set link channel, window no., stay time and etc. of link channel. See Figure 4-82.

		Ne	w Scheme				×
Name Untitled 1	*	Description			Enable 🔵		
Event Source		Li	nk Setup			Time Setup	
Input Search Criteris Default Group 10.15.165 10.15.16.30 10.15.16.30 10.15.19.31 10.15.19.33 10.15.5.106 10.15.5.222 10.15.6.105 10.15.6.105 CAM 1 CAM 1 CAM 2 CAM 4 CAM 4 CAM 5 CAM 4 CAM 5 CAM 4 CAM 5 CAM 4 CAM 5 CAM 4 CAM 5 CAM 6 CAM 6 CAM 7 CAM 8 10.15.6.201 10.15.6.201 10.15.6.201 10.15.6.96 10.15.6.96 10.15.6.98 10.15.6.98 10.15.8.98	Window No.	Link Channel	Preset	Stay Time	Push Video	Record	16 Operation
	1			(	Back	Next C	ancel

Figure 4-82

## Note: Stay time range is 5s to 180s.

5) Click Next and configure scheme time. See Figure 4-83.

			New Sche	me			×
Name Unt	itled 1	* Descriptio	on		Enab	le 💽	
	Event Source		Link Setu	р		Time Setup	
	0 1 2 3 4	5678	9 10 11 12	2 13 14 15	5 16 17 18	19 20 21 22 2	3 24
Sun							*
Mon							*
Tue							*
Wed							*
Thu							*
Fri							*
Sat							*
							-
					Back	Confirm	ancel

Figure 4-83

- 6) Behind each week, there is 💐, click it to set accurate time each day.
- 7) Click Confirm. See Figure 4-84.

Add	Add Delete Import Export					
🗆 All	Name	Description	Enable	Operation		
1	Untitled 1			/ ×		

Figure 4-84

You can modify, delete, disable, enable scheme, as well as batch impoty/export scheme.

Event Type	Description		
Alarm Event	Chassis alarm: Alarm triggered when card reader of the controller is forced to be removed.		
	Intrusion alarm: Excluding normal door open conditions, other door open conditions detected by door sensor 1		
	Duress alarm: Alarm triggered when door is opened by duress card (fingerprint).		
	Door left open alarm: door remained open exceeding set time		
	Blacklist alarm: Alarm triggered when door is opened via card on blacklist.		

Event Type	Description
	Unauthorized or card lost: alarm triggered when the card has no right to unlock this door or it has been reported lost.
	Card suspended: After the card is suspended, it cannot be used. Event is triggered at verification.
	Unlock mode error: Event triggered when verification method and unlock method do not match.
	Card validity error: Alarm is triggered when current time is not within card validity.
Abnormal Event	Period error: Alarm is triggered when verification of current period is not in access period.
	Holiday unlock period error: Alarm is triggered when verification of current period is not in holiday period.
	Incorrect first card: Enable first card right, alarm is trigged when user unlock not using first card.
	Inter-lock mode: Door with set inter-lock rule is unlocked, alarm it triggered when the other door is unlocked.
	Anti-pass back mode: When one enters via verification but exits without verification, alarm is triggered at his/her next verification for entry.
	Lock event: triggered when auto lock or door sensor detects door is locked.
	Card unlock: Triggered after passing card verification, door is unlocked.
	Fingerprint unlock: Triggered when door is unlocked after passing fingerprint verification.
Normal Event	Card + fingerprint unlock: Triggered when door is unlocked after passing card and fingerprint verification.
	Card +password unlock: Triggered when door is unlocked after passing card and password verification.
	Password unlock: Triggered when door is opened via password.
	Button unlock: Triggered when door is opened via button.

Event Type	Description
	Multi-card unlock: Triggered when the first card in multi- card unlock mode passes verification.
	Remote verification: Triggered when a user passes device verification and is asking for client verification for door under remote verification.

## 4.5.5 Log

In Access interface, you can click Log. You can search for log according to criteria.

- 1) Select start time and end time. Max interval between start time and end time is 2-day.
- 2) Enter name or work ID of user.
- 3) Select verification method.
- 4) Select user entry/exit status.
- 5) Select device and door you want to search.
- 6) Select detailed event you want to search.
- 7) Click Search, see Figure 4-85.

ID/Card:	_		Vertify type:	All		ess direction: All
Device/door: All		V	Event: All		V	Search Res
īme	Work ID	Name	Card No.	Access Controller	Door	Event Description
016-05-18 13:40:09				172.25.1.45	门2	Close Door
2016-05-18 13:39:38				172.25.1.45	门2	Unlock Event
2016-05-18 11:57:15				172.25.1.28	Door 1	Close Door
2016-05-18 11:57:13				172.25.1.28	Door 1	Unlock Event
2016-05-18 11:57:13			2460592B	172.25.1.28	Door 1	Card Unlock
2016-05-18 11:56:54				172.25.1.28	Door 1	Close Door
2016-05-18 11:56:54				172.25.1.28	Door 2	Close Door
2016-05-18 11:56:52				172.25.1.28	Door 1	Unlock Event
2016-05-18 11:56:52				172.25.1.28	Door 2	Unlock Event
2016-05-18 11:47:33				172.25.1.28	Door 2	Close Door
2016-05-18 11:47:32				172.25.1.28	Door 1	Close Door
2016-05-18 11:47:31				172.25.1.28	Door 2	Remotely Unlock
2016-05-18 11:47:31				172.25.1.28	Door 2	Unlock Event
2016-05-18 11:47:30				172.25.1.28	Door 1	Remotely Unlock
2016-05-18 11:47:30				172.25.1.28	Door 1	Unlock Event

Figure 4-85

You can reboot search criteria, export search result and view record.

- Reset, reset criteria.
- Backup , export searched log.
- **I**, view record.

# 5. Extension

# 5.1 Video Wall

After you set video wall setup (chapter 3.10), you can output video to the video wall. You can follow the steps listed below to set.

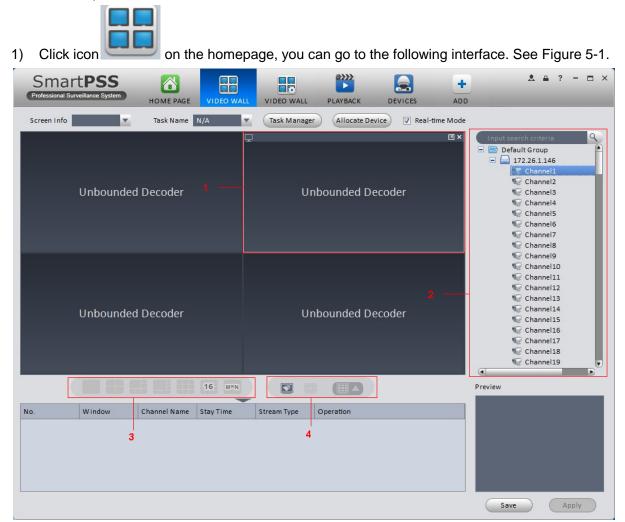


Figure 5-1

SN	Item	Function
1	Video window	Connect to NVD: Video window is fixed, cannot be dragged. Connect to M30 : Video window can be moved, max is 16.
2	Video channel	-

SN	Item	Function			
3	Video open window	Connect to NVD: Select one video window, click to open 1*1, 2*2, 3*3, 4*4 layouts of windows. Connect to M30: Click open 1*1, 2*2, 3*3, 4*4 or M*N layouts of windows.			
4	Clear screen, open/close window	<ul> <li>Clear all video channels or layouts on screen.</li> <li>Screen on/off setup, to open/close TV wall displsy.</li> <li>Clear screen and open window.</li> </ul>			

- 2) Select corresponding video wall from the screen information dropdown list. You can check to select real-time mode if necessary. Once you enable real-time mode, system automatically output the video to the video wall after you complete the setup. Otherwise, it does not output the video to the video wall.
- 3) Drag the channel on the right pane to the corresponding screen and then binding. You can view details of binding video in Internet Explorer.
  - 1. In IE, enterM30 or NVD device's IP address.
  - 2. Download web service pack.
  - 3. After download is complete, system pops up login interface.
  - 4. Enter username and password, click Login to view details of bound video source. Default username and password is admin/admin.
- 4) Click save as task button, you can see system pops up a dialogue box for you to input task name.
- 5) Please input task name and click Save button.
- 6) Click Output video.

Please note:

- You can select video wall task from the task name dropdown list and then click the Output video button to view the video.
- Click task manager, you can view current task status. Or you can select one task and •

click *c* or *c* 

# 5.2 Data Report

The system supports to view flow chart statistics, and generate report for data comparison.



1) Click in Advanced area.

2) Check channel on the left, set search time, click Search.

See results in Figure 5-9.

Smart <b>PSS</b> Professional Surveillance System	-	PAGE DATA REPORT	+ ADD	_	& ≞ ? - ⊡ ×
People Count					
Input search criteria	Time:	2016.01.05	▼ Per	iod: 00:00 🔻 to 17	59 Search
<ul> <li>Default Group</li> <li><u>0.18.116.117</u></li> <li><u>0.18.116.147</u></li> <li><u>0.18.116.157</u></li> </ul>	Chart	Type: Line Chart	Filter:	All <b>V</b> Scale:Hou	Contrast: Export
<ul> <li>10.18.116.157</li> <li>10.18.116.35</li> <li>10.18.116.49</li> <li>10.18.116.50</li> </ul>	1	10-			
	_	0:00 3:00 Channel 14 2016.01.05 enter	6:00	9:00 12:00 Channel 14 2016.01	15:00 .05 exit
	_				
	No.	Time	Name	Enter	Exit
	1	2016.01.05 0:00-0:59	Channel 14	0	0
	2	2016.01.05 1:00-1:59	Channel 14	0	0
	3	2016.01.05 2:00-2:59	Channel 14	0	0
	4	2016.01.05 3:00-3:59	Channel 14	0	0
	5	2016.01.05 4:00-4:59	Channel 14	0	0
	No./Pa	age 10 🔻		1 2 1/2	Go to page Page GO

Figure 5-2

- Chart Type: line chart and histogram.
- Time: today, this month, this year, optional.
- Filter: filter inflow and outflow.
- Contrast: Contrast by time or by channel, max 5 records of contrast data.
- Export: can export flow statistical data in format of excel file.

# 5.3 Log

Log interface is shown as in Figure 5-9.



- 1) In homepage, click
- 2) Select Client log and select start time/end time, and select type from the dropdown list. Click Search button, you can see the log information.

Profession	artPSS nal Surveillance System	HOME PAGE		-	_	-	± ≞ ? - □
Client Sta	Log Device Lo art Time 2016-05-16 (		<ul> <li>End Time</li> </ul>	2016-05-16 23:59	:59	▼	Search
	Type System	All	Key Words		_		Export
No.	Time	User Name	Event Type D	evice Name	Channel Name	Remarks	
•							
	e 20 🔻						

Figure 5-3

3) Click Search. See Figure 5-10.

Client I		ME PAGE	LOG ADD		_		_
Sta	rt Time 2016-05-16 00:00:00		End T	Time 2016-05-16 23:59	9:59	V	Search
	Type System 🔽 🗸	All	Key Wo	ords	_		Export
lo.	Time	▲ User Name	Event Type	Device Name	Channel Name	Remarks	
	2016-05-16 09:34:44	admin	User Login				

Figure 5-4

- 4) Click Device log tab.
- 5) Select start time/end time, type and device name from the dropdown list.
- 6) Click Search button. See Figure 5-11.

	nart <b>PSS</b>		G ADD	_	≛≞?-□×
	nt Log Device Log				
S	tart Time 2016-05-16 00:00:	:00	<ul> <li>End Time 2016-05-16 23:59:59</li> </ul>		Search
	Type All Type	_	Device Name 10.15.6.74		Export
No.	Time	User Name	Log Type Note		
No./Pag	ge 20 🔽				

Figure 5-5

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