Smart Professional Surveillance System User's Manual

Version 1.11.0

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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 stream media server max receives 16-channel video and transfers 128-chanel video.
- Each storage server max supports to save 16-channel video (no bit stream limit).

1.3 Environments

Item	Requirements
OS	Windows 7/ Windows 8/ Mac (SmartPSS Mac version).
CPU	2.4GHz or higher.
Display card	Independent car and support directX 8.0c or higher.
Memory	1GB or higher.
Displayer Resolution	1024×768 or higher.

2 Installation and Upgrade

2.1 Installation

Double click "General_Smart-PSS_Eng_IS_VX.XX.X.exe" to begin installation. See Figure 2-1.

_	
0	Please select a language.
	English
	OK Cancel



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

Velcome to use	SmartPSS Operator Installation	on
Shining new tool bar, vario		
Multiple customized windo operation with view interfa	/ layouts suitable for more surveillance environments ces and groups	
Playback interface based on u	er experiences	
	:h steps, fluent operation rt clip operation while viewing, natural and fluent operation :h modes, meets various user experiences	
Local storage, PC-NVR		
Total storage solutions, er Easily to create a record pl	nance product quality n, what you see is what you get	
New tour settings, new alarm	configuration, new	
	tour tasks based on the monitor ice, orientation configuration, easy and clear to use the function	ı
		Next Ca

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.

 Preface Please read the following Agreement carefully before installing the Software. This End User License Agreement ("EULA" or "Agreement") is an agreement between yo provider, and the provider ("Provider") of approved services. By installing, copying, downle the User agrees to be bound by the terms of this Agreement. IF YOU DO NOT AGREE TO NOT USE THE SOFTWARE. Please immediately stop installing, copying, or otherwise using the Software that you have installed or stored. Definitions Software: In this Agreement "Software" means information processing program or supp functional units, with supporting files of all or part of source code, object code and releva record, video record, music, text, code; plus descriptions, functions, features, contents, co other hardcopies or electronic version of documents or technical files ("Software Product" 	bading or otherwise using the Software O THE TERMS OF THIS EULA, YOU MAY the Software, plus delete any parts of porting file composed of modules or nt images, photos, icons, video, sound
Software: In this Agreement "Software" means information processing program or supp functional units, with supporting files of all or part of source code, object code and releva record, video record, music, text, code; plus descriptions, functions, features, contents, c	nt images, photos, icons, video, sound
of interest or Provider's products. You: In this Agreement "You" means any individual or individual entity, corporate entity organization or section that has obtained license to legally use of the Software. Probationary Period: In this Agreement "probationary period" means the period before allows Users to evaluate the Software within its entity.	or "Software") relevant to the Software
3. Software Permit On the condition that You comply with the Agreement, Dravider creat You the normity	≂ ofi
• Refuse C Accept	

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	ue. Description SmartPSS is management software to manage the embedded network surveillance devices. It is suitable for devices such as embedded DVR, NVR, network camera, decoder, NVR6000. It supports real-time preview, remote playback and export, TV wall, E-map, alarm message receive and activation, remote device parameter setup and etc.
Need Space(unit as MB): 486	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.

estination Folder		
C:\Program Files\Smart Profe	essional Surveillance System	\ Browse
n older version is detected uni	der this path. To update an	nd replace, please continue. If you want to change the
the selection of the se	- Aust Discourse the Desile of	
oth, please remove the old on	e first. Please note: Backup	configuration files before removing if you need them.
		configuration files before removing if you need them. The free space of E is 135082MB
ath, please remove the old on The free space of C is 36577M		

Figure 2-5

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

hining new tool bar, var lultiple customized wind peration with view interf	low layouts suitable f	environments		
		 	 _	

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.

Install Success	
🔽 Run SmartPSS	
	Finish



• 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.

Uninstall SmartPSS	
It will uninstall, if current applications are running now, please close it before you uninstall! Otherwise, click [Next] to uninstall.	
	Next Cancel



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.	
✓ PC-NVR ✓ SmartPSS	
	1
	Uninstall Cancel

Figure 2-9

3 Setting



SmartP55, you can go to the login interface.

3.1 Login Interface

Login interface is shown as in Figure 3-1.

- 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 main interface.
- Cancel: Click this button to exit login interface.

Note:

- If it is your first time to run the SmartPSS program, default user name is **admin** and its password is **admin** too. Admin is a super administrator and can not be removed. It can add, modify or delete other user.
- For security reason, please modify your password after first log in.
- 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:	
I	Remember Password
(Login Exit

Figure 3-1

3.2 Main Interface

Click Login button, system begins verifying user name and password and then go to the main interface. See Figure 3-2.

1		SmartPSS Professional Surveillance System	HOME PAGE	+ ADD	_	_	_	Å≞? -	
2]•	BASIC UVEVIEW	PLAYBACK	ALARM	LOG		2 User Name	9:55:42 2014-08-01 : admin : 09:53 2014-08-01	→ 5
3]•	ADVANCED	E-MAP	DISPLAY					
4]•	SETTINGS	DEVICE CFG	ALARM CFG	TOUR & TASK	PC-NVR	VIDEO WALL	ACCOUNT	

Figure 3-2

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 liveview, playback, alarm manager, and log.
3	Extension	It includes video wall, e-map, and display.
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, user information, 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.



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

3.3.1 Basic

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

Smart PSS	🔂 🛃	🕹 🔶 🔶 🕹	∎ ×
Professional Surveillance System	HOME PAGE GENE	ERAL ADD	
🏶 Basic			
Pile File	Set SmartPSS basic p to restart to activate	parameters such as log saved time, instant playback time, network capability and etc. System needs te language and time setup.	
\land Alarm Prompt	Log Saved Time	30Days (Activated after restart)	
Version	Instant Playback Time	5Min V	
C Version	Network Capability	100M	
	P2PServer	www.easy4ipcloud.com 🛛 🔽 (Activated after restart)	
	Serial Port	COM1 (Serial port for keyboard)	
		Resume LiveView State	
		🗌 Auto login Windows	
	User Name		
	Password		
	Language	English v (Activated after restart)	
		Sync Time 08:00:00 Sync Now	
	Time Format	24-Hour (Activated after restart)	
		Default Save	

Figure 3-3

Please refer to the following sheet for detailed information.

Item	Function
Log Saved Time	Here you can set log save time. System automatically overwrites old files once it reaches the period you set here.
Instant Play Time	It is to set instant playback time.
Network capability	It is for you to set network function. It includes: "Low", "10M", "100M", "1000M".
Serial Port	Keyboard can select corresponding serial port to operate, COM1~COM10 are available.
P2P Server	Select P2P server.
Resume Previous State	System restores previous liveview status after it restarts.
Auto Login SmartPSS	Check the box here, you can login SmartPSS directly without inputting user name and password.

Item	Function
Auto Login Windows	Check the box here and then input user name and password, you can go to the Windows OS after the computer restarts.
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.

3.3.2 File Path

File configuration interface is shown as below. See Figure 3-4.

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.

SmartPSS Professional Surveillance System			+ ADD	≛≞? — ⊡ ×
	HOWEPAGE	CITE NAL		
🏶 Basic	0.1.0		e and the second second for an Property of the V	
🏴 File	Set SmartPSS ni	e patn (such a	s snapshot, record, user configuration and etc.)	
\land Alarm Prompt	Snapshot Path	C:/Pro	gram Files/Smart Professional Surveillance System/SmartPSS/Capture	Browse
Uersion	Record Path		gram Files/Smart Professional Surveillance System/SmartPSS/Record	Browse
	Config Path		gram Files/Smart Professional Surveillance System/SmartPSS needs to restart if there is configuration file in the specified directory.	Browse
				Default Save

Figure 3-4

3.3.3 Alarm Prompt

It is to set alarm prompt audio. The interface is shown as below. See Figure 3-5.

Please select corresponding prompt audio for the specified alarm type.

Check the box at the bottom of the interface to enable e-map function. The e-map can flash when the corresponding alarm occurs.

SmartPSS Professional Surveillance System	HOME PAGE GEN	RAL ADD		<u>*</u> ≞ ? − t
🏶 Basic				
🖳 File	Set SmartPSS globa	alarm audio and trigger map alarm flash function or not.		
🛆 Alarm Prompt	Link Video Type	Main Stream 🔽		
		👽 Open Audio 📄 Loop Play		
Uersion 🗧	Camera Masking	ional Surveillance System/SmartPSS/sound/en/video shelter.wav	Browse	•
	Motion Detect	onal Surveillance System/SmartPSS/sound/en/motion detect.wav	Browse	•
	Video Loss	essional Surveillance System/SmartPSS/sound/en/video lost.wav		0
	Disk Full	ofessional Surveillance System/SmartPSS/sound/en/disk full.wav		
	Disk Error	essional Surveillance System/SmartPSS/sound/en/disk fault wav		
	External	nal Surveillance System/SmartPSS/sound/en/external alarm.wav	Browse	
		E-Map flashes when an alarm occurs		
			Defau	ilt Save

Figure 3-5

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.

3.3.4 Version

Click the version button; you can go to the following interface. See Figure 3-6. Here you can view software version information.

SmartPSS Professional Surveillance System	HOME PAGE	GENERAL	ADD	-			*	-	? –	×
🏶 Basic	Smar	IDCC								
File File		Surveillance S	/stem							
\land Alarm Prompt	Version No.:	1.20.0								
🔳 Version	Built Date:	2014-07-25								

Figure 3-6

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.

SmartP Professional Surveillance			+ ADD		Å≞? - □
User	Role		100		
Add C	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 Role	×
Role Name		
Remarks		
Role Rights	 Channel Rights Liveview Playback Ptz Menu Rights Liveview Playback Alarm Log Video Wall E-Map Display 	
	Sav	ve 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.

User Role			
Add Delete			
All Name	Role	Remarks	Operation
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.

Item	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 con. System displays device manager interface.

- 2) Click Refresh, search device within the LAN.
- 3) Check device, click Add as auto add device.

Manually Add

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



1) 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.

All	IP		Туре		Mac		Port				
1	10.15.100.244		NVR-P		90:02:a9:b4	a9:82	37777				
2	10.15.100.25		IP Camera	ı.	90:02:a9:42	13:69	37777				
3	10.15.120.111		IPC-HFW4	300\$	90:02:a9:1c	7c:f5	37777				
4	10.15.22.100		NVR6000		90:02:a9:80	:18:6a	37777				
5	10.15.23.33		HDVR		90:02:a9:8d	:c6:8d	37777				
6	10.15.5.122		HDVR		90:02:a9:c5	03:10	37777				
7	10.15.5.156		DVR		90:02:a9:a9	cd:f5	37777				
Refresh	Add										
Device	s:3 Online:0										
		Туре		IP/Domain Name	Port	Channel No.	State	SN	Oper	ratio	on
All		Type IPC		IP/Domain Name 10.1.1.71	Port 37777	Channel No. 0/0/0/0	State Offline(Can not fi	SN	Oper		
All 1	Name 🔺		_						/	E	×
l Device All 1 2 3	Name	IPC		10.1.1.71	37777	0/0/0/0	Offline(Can not fi	PZC4BW290W000	/	€	× ×

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.

	Manual Add	×
InputInfo		
Device Name:		
Register Mode:	IP/Domain 💌	
IP/Domain Name:		
Port:	37777	
Type:	DVR 🗸	
Group Name:	Default Group	
User Name:		
Password:		
	Get Info	
Device Details		
Device SN:		
Video Input:		
Video Output:		
Alarm Input:		
Alarm Output:		
	Save and Continue Add Cancel	,

Figure 3-12

Please refer to the following sheet for detailed information.

ltem	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.
	Device SN.
SN	Note:
	For P2P device only.
	Device IP port.
Port	It is 37777 by default.
Group Name	You can choose one group.
Туре	Device type.
User name	The user name you login the device.

ltem	Function
Password	The password you login the device.

 Config device input info, and click on Get Info. System auto gets device info as in Figure 3-13.





Device SN	Device SN. Read-only.
Video input	Device video input channel amount.
Video output	Device video output channel amount.
Alarm input	Device alarm input channel amount.
Alarm output	Device alarm output channel amount.

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

	1 1015.120.111 IPC-HFW4300S 90:02:a9:10:7c:f5 97777 1 10.15.22.100 NVR6000 90:02:a9:80:18:6a 9777 1 10.15.23.33 HDVR 90:02:a9:80:18:6a 9777 1 10.15.5156 DVR 90:02:a9:80:16:8d 9777 1 10.15.5157 VIP-S1000W 90:02:a9:38:1a:65 9777 1 10.15.517 II 90:02:a9:26:f6:88 9777 1 11.15.5.149 DVR 90:02:a9:26:f6:88 9777 1 11.15.5.149 DVR 90:11:04:07:13:01 9777 1 11.15.5.149 DVR 90:11:04:07:13:01 9777
1 31015.22.100NVR600NVR600 $\overline{NVR00}$ $NVR000000$ $\overline{NVR000000000000000000000000000000000000$	Image: Constraint of the state of
Image: A state of the state	1 10.15.23.33 HDVR 90:02:a9:8d:c6:8d 97777 1 10.15.5156 DVR 90:02:a9:8d:c6:8d 97777 1 10.15.5157 DVR 90:02:a9:38:a1:e5 97777 1 10.15.5157 VIP-S1000W 90:02:a9:38:a1:e5 97777 1 10.15.517 Ii 90:02:a9:26f:6:88 97777 1 10.15.5 149 DVR 90:11:04:07:13:01 9777 1 10.15.5 249 DVR 90:11:04:07:13:01 9777 1 10.15.5 249 DVR 90:11:04:07:13:01 9777
Image: space	1 10.155.156 DVR 90.02:a9:a9:cd:f5 3777 1 10.155.157 VIP-\$1000W 90.02:a9:36:a1:e5 3777 1 10.155.177 II 90.02:a9:26f6:88 3777 1 10.155.174 IVP 90.02:a9:26f6:88 3777 1 10.155.249 IVP 20.11:04:07:13:01 3777 Refresh Add IVP 20.11:04:07:13:01 3777
$ \begin{array}{c c c c c c c } \hline \begin{tabular}{c c c c c c c } \hline \begin{tabular}{c c c c c c c c c c c c c c c c c c c $	a 10.15.5.157 VIP-\$1000W 90.02:a9:38:a1:e5 37777 1 10.15.5.17 Ii 90:02:a9:26f6:88 37777 a 10.15.5.249 DVR 20:11:04:07:13:01 37777 Refresh Add Add Add Add
1 10.15.5.17 II 90.02:a9.2fF 3777 2 10.15.5.17 II VV $20.12:a9.2fF$ 3777 8 10.15.5.24 VV 3777 3777 Refresh Add Add Devices: 0nline:4 Implementation of the state of	Image: Constraint of the state of the st
8 10 15 5 249 DVR 20 11:04:07.13:01 37777 Refresh Add	8 10 15 5 249 DVR 20:11:04:07:13:01 37777 Refresh Add Add 37777 37777
Add Add Devices: Online:4 All Name Type IP/Domain Name Port Channel No. State SN Operation 1 10.15.100.244 NVR 10.15.100.244 3777 64/0/8/3 Image: Continue of the state of the sta	Refresh Add
Add Add Devices: Online:4 All Name Type IP/Domain Name Port Channel No. State SN Operation 1 10.15.100.244 NVR 10.15.100.244 3777 64/0/8/3 Image: Continue of the state of the sta	Refresh Add
Image: Constraint of the state of	
2 🔄 10.15.7.109 EVS5000 10.15.7.109 37777 3/0/8/3 🖬 Online YPA3HQ11100018 🖊 💽 🗙	
3 🕒 10.15.7.114 IPC 10.15.7.114 37777 1/0/1/1 📕 Online YGC44W005D00128 🖊 🔀 🗙	2 🖃 10.15.7.109 EV\$5000 10.15.7.109 37777 3/0/8/3 🚺 Online YPA3HQ11100018 🖊 💽 🗙
] 3 🕞 10.15.7.114 IPC 10.15.7.114 37777 1/0/1/1 📕 Online YGC4AW005D00128 🖊 📑 🗙
4 🔄 10.15.7.123 DVR 10.15.7.123 40000 16/0/0/ 📕 Online 000000000000 🖊 🖼 🗙	
5 🔚 1 SmartIPC 10.15.100.25 37777 1/0/2/1 📕 Offline YZC4EZ008W/00019 🖊 💽 🗙	4 🕞 10.15.7.123 DVR 10.15.7.123 40000 16/0/0/0 📑 Online 000000000000 🗡 💽 🗙
□ 4 🕞 10.15.7.123 DVR 10.15.7.123 40000 16/0/0/0 📕 Online 00000000000 🖊 💽	

Figure 3-14

Click Import to batch import local config in .xml format. Or you can import with Easy 4IP account. See Figure 3-15.

	Device	Import	×
From lo	cal disk	From easy4ip.com	
Username	_		
Password			
		Import Cancel	

Figure 3-15

Select a device in the list, and then:

- click 🖉 to modify, or click 🖾 to delete it.
- Click G to login the device manually.
- Click Export button and then select save path to save current device list to .xml file.

3.6 Signals Manager

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

On the main interface, click button in the Settings pane, you can go to the following interface. See Figure 3-16.

SmartPSS Professional Surveillance System	HOME PAGE	CFG ADD	_	_	_	± ≞ ? - ⊡ ×
Input search criteria	General					
(0, 10.15.1.82 (0, 10.15.6.199)					-	
	Network	Remote Device	Encode	Image	PTZ Control	
	Event					
	Q	▲	B	Q		
	Video Detect	Alarm	Abnormality	Smart Config		
	Record					
	$\textcircled{\begin{tabular}{ c c c c } \hline \hline & \hline \hline & \hline & \hline \\ \hline & \hline & \hline & \hline & \hline &$					
	Record	Disk				
	Maintenance					
		¢	Ø			
	Account	Maintenance	WEB			

Figure 3-16

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.

3.6.1.1.1 TCP/IP

Here you can set corresponding parameter when you are using TCP/IP connection. See Figure 3-17.

		Network Setting ×
TOPUP		
TCP/IP	NetworkMode	
Connect	Default Interfaces	× ·
PPPoE		
DDNS	Mode MAC Address	Static DHCP
IP Filter	IP Version	1PV4
SMTP	IP Address Subnet Mask	
Multicast	Default Gateway	
Alarm Centre	Preferred DNS Alternate DNS	
		Apply Save Cancel

Figure 3-17

3.6.1.1.2 Connect

Here you can set max login account amount, TCP port, UDP port, HTTP port, RTSP port and etc. See Figure 3-18.

		Network Setting			×
TCP/IP	Max Connect	10	(1-20)		
Connect	TCP Port	37777	(1025-65535)		
PPPoE	UDP Port HTTP Port	37778 80	(1025-65535) (1-65536)		
DDNS					
IP Filter					
SIMTP					
Multicast					
Alarm Centre					
				Refresh	ОК

Figure 3-18

3.6.1.1.3 PPPoE

PPPoE interface is shown as below. See Figure 3-19.

Input "PPPoE name" and "PPPoE password" you get from your ISP (Internet service provider). Click OK button, you need to restart to activate your configuration.

After rebooting, device will connect to internet automatically. The IP in the PPPoE is the device dynamic value. You can access this IP to visit the device.

		Network Setting - 10.15.6.85	>	ĸ
TCP/IP	Enable			
Connect	User			
PPPoE	Password			
DDNS	IP Address			
IP Filter	DDNS			
SMTP				
Multicast				
Alarm Centre				
			Apply Save Cancel	

Figure 3-19

3.6.1.1.4 DDNS

DDNS setup interface is shown as in Figure 3-20.

You need a PC of fixed IP in the internet and there is the DDNS software running in this PC. In other words, this PC is a DNS (domain name server).

In network DDNS, please select DDNS type and highlight enable item. Then please input your PPPoE name you get from you IPS and server IP (PC with DDNS). Click OK button and then reboot system.

Click Ok button, system prompts for rebooting to get all setup activated.

After rebooting, open IE and input as below:

http: //(DDNS server IP)/(virtual directory name)/webtest.htm

		Network Setting - 10.15.6.85	×
TCP/IP	Server Type	Quick DDNS 💌 🗖 Enable	
Connect	Server IP	www.quickddns.com	
PPPoE	Domain Type	Default Domain Name O Custom Domain Name	
DDNS	Domain Name Email Address	9002A98D0D4F .quickddns.com Test (Optional) Please input Email address	
IP Filter			
SMTP			
Multicast			
Alarm Centre			
		Apply Save Car	icel

Figure 3-20

Please refer to the following sheet for detailed information.

Parameter	Function
Server Type	You can select DDNS protocol from the dropdown list and then enable DDNS function.
Server IP	DDNS server IP address.
Server Port	DDNS server port.
Domain Name	Your self-defined domain name.
User	The user name you input to log in the server.
Password	The password you input to log in the server.
Update interval	Device sends out alive signal to the server regularly.
	You can set interval value between the device and DDNS server here.

3.6.1.1.5 IP Filter

IP filter interface is shown as in Figure 3-21. You can add IP in the following list. After you enabled whitelist function, only the IP listed below can access current device. If you enable blacklist function, the following listed IP addresses can not access current device.

		Network S	etting - 10.15.6.85		_	×
TCP/IP	🔲 Enable					
Connect	 Whitelist 	🔿 Blacklist				
PPPoE	Add					
DDNS	Whitelist	Blacklist IP Address		Operation		
IP Filter						
SMTP						
Multicast						
Alarm Centre						
				Apply	Save	Cancel

Figure 3-21

3.6.1.1.6 SMTP (Email)

The SMTP interface is shown as in Figure 3-22. Here you can set email receiver, encryption mode, send out interval and etc.

		Network Setting - 10.15.6	6.85	X
TCP/IP	Enable			
Connect	SMTP Server	smtp.gmail.com		
PPPoE	Port	465	(1-65535)	
DDNS	 Anonymity User Name 			
IP Filter	Password			
SMTP	Sender Encrypt Mode	SSL	▼ ✔ Attachment	
Multicast	Subject	DVR Notification		
Alarm Centre	Receiver			
	Interval Time	120	Seconds(0-3600)	
	🦳 Health Email			
	Interval	3600	Seconds Test	
			Apply Save Cancel	

Figure 3-22

Please refer to the following sheet for detailed information.

Parameter	Function
Enable	Please check the box here to enable email function.
SMTP Server	Input server address and then enable this function.
Port	Default value is 25. You can modify it if necessary.
Anonymity	For the server supports the anonymity function. You can auto login anonymously. You do not need to input the user name, password and the sender information.
User Name	The user name of the sender email account.
Password	The password of sender email account.
Sender	Sender email address.
Encryption mode	System supports SSL/NONE/TLS.
Subject	Input email subject here.
Attachment	System can send out the email of the snapshot picture once you check the box here.
Receiver	Input receiver email address here. Max three addresses.
Interval	The send interval ranges from 0 to 3600 seconds. 0 means there is no interval. Please note system will not send out the email immediately when the alarm occurs. When the alarm, motion detection or the abnormity event activates the email, system sends out the email according to the interval you specified here. This function is very useful when there are too many emails activated by the abnormity events, which may result in heavy load for the email server.
Health mail enable	Please check the box here to enable this function.
Health mail interval	This function allows the system to send out the test email to check the connection is OK or not. Please check the box to enable this function and then set the corresponding interval. System can send out the email regularly as you set here.
Test	The system will automatically sent out an email once to test the connection is OK or not .Before the email test, please save the email setup information.

3.6.1.1.7 Multicast

The multicast interface is shown as in Figure 3-23.

Multicast is a transmission mode of data packet. When there is multiple-host to receive the same data packet, multiple-cast is the best option to reduce the broad width and the CPU load. The source host can just send out one data to transit. This function also depends on the relationship of the group member and group of the outer.

		Network Setting - 10.15.6.	35		×
TCP/IP	Main				
Connect	Enable Multicast Address	239.255.42.42	(224.0.0.0~239.255.255.255)		
PPPoE	Port	36666	(1025~65500)		
DDNS					
IP Filter					
SMTP					
Multicast					
Alarm Centre					
			Apply	Save	Cancel

Figure 3-23

3.6.1.1.8 Alarm Server

The alarm centre interface is shown as below. See Figure 3-24.

This interface is reserved for you to develop. System can upload alarm signal to the alarm centre when local alarm occurs.

Before you use alarm centre, please set server IP, port and etc. When an alarm occurs, system can send out data as the protocol defined, so the client-end can get the data.

		Network Setting - 10.15.6.85			×
TCP/IP	🗖 Enable				
Connect	Protocol Type	Alarm Centre			
PPPoE	Host IP	10.1.0.2			
DDNS	Port Schedule Login	1 Every Day	At 08:00	×	
IP Filter					
SMTP					
Multicast					
Alarm Centre					
				Apply Save	Cancel

Figure 3-24

3.6.1.2 Remote

Here you can add remote device manually or automatically. See Figure 3-25.

2 10.1	Po 15.100.25 37	rt				
1 10.1 2 10.1		rt				1
2 10.1	15.100.25 37		Device Name	Protocol Type	Device Type	
		777	10.15.100.25	Private	IP Camera	
	15.7.123 40	000	10.15.7.123	Private	DVR2116	
3 10.1	15.7.109 37	777	10.15.7.109	Private	EV\$5000	
4 10.1	15.22.100 37	777	10.15.22.100	Private	NVR6000	
5 10.1	15.5.3 37	777	10.15.5.3	Private	PC-NVR	
6 0.0.0	0.0 37	777	0.0.0.0	Private	PC-NVR	
7 10.1	15.6.142 37	777	10.15.6.142	Private	PC-NVR	
8 10.1	15.6.188 37	777	10.15.6.188	Private	PC-NVR	
Device Channel	IP	Port	Device Name	Remote Channel	Protocol Type	Device Type
	10.15.100.25		10.15.100.25	1	Private	IP Camera
3 1	10.1.1.69	37777	90_02_a904_30	1	Private	IP Camera

Figure 3-25

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 3-26. Please input the corresponding information and then click OK button to add a remote device.



Figure 3-26

3.6.1.3 Encode

3.6.1.3.1 Audio/Video

The interface is shown as below. See Figure 3-27. Here you can set audio/video bit stream.

	_	Encode - 10.15.100.244(Chan	nel 1)	×
Audio/Video 🤄	Main Stream		Extra Stream	
Snapshot	Stream Type	General 🗸	📝 Video Setup	
anapanot	Encode Type	H.264 🗸	Encode Type	H.264 V
Overlay	Resolution	720P	Resolution	D1
	FPS	30	FPS	30
	StreamCtrl	BRC_CBR	StreamCtrl	BRC_VBR
	Bit Stream	8192Kbps 🗸	Quality	Good 🔽
	Ref Stream	2048kbps-12288kbps	Bit Stream	1024Kbps 🔻
	Iframes	50 (1-150)	Ref Stream	896kbps-5120kbps
			Iframes	50 (1-150)
	📝 Audio Setup		💟 Audio Setup	
	Encode Mode		Encode Mode	
	✓ Watermark			
	Characters	DigitalCCT∨		
Copy None 🔻			Apply	Save Cancel

Figure 3-27

Please refer to the following sheet for detailed information.

Parameter	Function
Video enable	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.
Quality	You can select from the dropdown list.
Audio encode mode	Check the box here to enable audio function and select encode type from the dropdown list.

Watermark enable /watermark character	This function allows you to verify the video is tampered or not. 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

The snapshot interface is shown as below. See Figure 3-28.

	Enc	ode - 10.15.100.244(Channel 1)		×
Audio/Video	Snap Mode	Regular 🔻		
Snapshot	Size	1080P 🔻		
Overlay	Quality	Better		
overlay	Snap Interval	1S/P		
Copy None			Apply Save	Cancel

Figure 3-28

Please refer to the following sheet for detailed information.

Parameter	Function
Snapshot type	 There are three modes. Regular: It enables snapshot function as you set on the snapshot plan. MD: It enables snapshot function when motion detect occurs. Alarm: It enables snapshot function when an alarm occurs.
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 3-29.



Figure 3-29

Please refer to the following sheet for detailed information.

Parameter	Function
Channel Name	Set channel name.
Area-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.
	Click button 🚺 to set a zone.
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 3-30.



Figure 3-30

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.
Brightness	It is to adjust color whole brightness. The large the value is, the bright the video is and vice versa.
	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.

3.6.1.5 PTZ Control

It is for you to set PTZ parameters. See Figure 3-31.
PTZ	Control - 10.15.100.244(Channel	1) ×
PTZType	Local	×
Protocol	NONE	×
Address	1	÷
Baud Rate	9600	×
Data Bit	8	×
Stop Bit	1.5 bit	×
Parity	None	×
Copy None	Apply	Save Cancel

Figure 3-31

Parameter	Function
Protocol	Select the corresponding dome protocol such as PELCOD.
Address	Set corresponding dome address. Default value is 1. Please note 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.

	Video Detect - 10.15.7.123(CAM 11)	×
Video Loss	✓ Enable	
Camera Masking	Arm/Disarm Period Set	
Motion Detect	Sensitivity 3 Anti-dither 5 Zone Set	
	✓ Record Channel 1 2 3 4 5 6 7 8 9 10 11 12 Delay Time 10	
	Alarm Output Delay Time 10 Image: Min(1~300)	
	PTZ Link Set Tour 1 2 3 4 5 6 7 8 9 10 11 12	
	□ Snapshot	
	Show Msg Send Email V Alarm Upload Buzzer SMS	
Copy None 🔽	Apply Save Cance	

Here we use motion detect interface as an example. See Figure 3-32.

Figure 3-32



Figure 3-33







Figure 3-35



Figure 3-36



Figure 3-37

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 3-33.
	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 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.
Sensitivity	There are 10 levels. The sixth level has the highest sensitivity.
Zone	You can click this button to set motion detection zone. The interface is shown as in Figure 3-36. 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.
Output delay	System can delay the alarm output for specified time after an alarm ended.
Show message	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.
Message	When 3G network connection is OK, system can send out a message when motion detect occurs.
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 3-37.
Video Matrix	This function is for motion detect only. Check the box here to

Parameter	Function
	enable video matrix function.

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 3-38.

	Alarm Setting - 10.15.100.244	×
📃 Alarm Input Enable	1 Alarm Alias	
Arm/Disarm Period	Set	
Anti-dither	0 Second(0~600)	
Device Type	NC	
📃 Record Channel	< 1 2 3 4 5 6 7 8 9 10 11 12 >	
Record Delay	10 Second(10~300)	
🔲 Upload To Clou	Jd	
📄 Alarm Output	1 2 3	
Output Delay	10 Second(1*300)	
PTZ Link	Set	
🔲 Tour	1 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 Clou	Jd	
Show Msg	Send Email Alarm Upload Buzzer SMS	
Copy current configuration to	None Save C	Cancel

Figure 3-38



Figure 3-39







Figure 3-41



Figure 3-42

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 3-39.
	There are six periods in one day. You can click to set (Figure 3-40) or use mouse to draw the corresponding period on the time bar directly (Figure 3-41).
	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.
Video matrix	Check the box here to enable video matrix function.
Show message	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.
PTZ Activation	Here you can set PTZ movement when alarm occurs.

Parameter	Function
	Such as go to preset X. See Figure 3-42.

3.6.2.3 Abnormality

It includes six statuses: No device, no space, device error, net offline, IP conflict and MAC conflict. See Figure 3-43 through Figure 3-48.

	Abnormality - 10.15.100.244					×
No storage device	💟 Enable					
No Space	Alarm output	1 2 3				
Storage device error	Output Delay	10	Second(1~300)			
Offline	Show Msg	🔲 Send Email	📃 Alarm Upload	🔲 Buzzer	SMS	
IP Conflict						
Mac Conflict						
				Apply	Save	Cancel

Figure 3-43

		Abnormality - 10.15	.100.244			×
No storage device	📝 Enable					
No Space	Free Space	20	%(0-99)			
Storage device error	📄 Alarm Output	1 2 3				
Offline	Output Delay	10	Second(1~300)			
IP Conflict	Show Msg	🔲 Send Email	📄 Alarm Upload	🔲 Buzzer	SMS	
Mac Conflict						
				Apply	ок с	ancel

Figure 3-44

		Abnormality - 10.15	.100.244			×
No storage device	🕑 Enable					
No Space	🔲 Alarm Output	1 2 3				
Storage device error	Output Delay	10	Second(1-300)			
Offline	Prompt	🔲 Send Email	🔲 Alarm Upload	🔲 Buzzer	SMS 📃	
IP Conflict						
Mac Conflict						
				Apply	Save	Cancel

Figure 3-45

		Abnormality - 10.15.100.24	44		×
No storage device	📄 Enable				
No Space	Record	1 2 3 4	5 6 7 8 9	10 11 12 🕨	
Storage device error	Record Delay	10 Seco	ond(10~300)		
Offline	📃 Alarm Output	1 2 3			
IP Conflict	Output Delay	10 Seco	ond(1~300)		
Mac Conflict	Show Msg	🔲 Send Email	🔲 Buzzer	sms	
			Apply	Save	Cancel

Figure 3-46

		Abnormality - 10.15.100.24	4		×
No storage device	💟 Enable				
No Space	🔲 Record	1 2 3 4	5 6 7 8 9 2	10 11 12 🕨	
Storage device error	Record Delay	10 Seco	nd(10~300)		
Offline	📃 Alarm Output	1 2 3			
IP Conflict	Output Delay	10 Secon	nd(1~300)		
Mac Conflict	🔲 Show Msg	🔲 Send Email	🔲 Buzzer	SMS 📃	
			Apply	Save	Cancel

Figure 3-47

		Abnormality - 10.15.100.24	14		×
No storage device	🔽 Enable				
No Space	🗌 Alarm Output	1 2 3			
Storage device error	Output Del ay	10 Seco	ond(1~300)		
Offline	Show Msg	🔲 Send Email	📃 Buzzer	SMS	
IP Conflict					
Mac Conflict					
			(Court D	Connect
			Apply	Save	Cancel

Figure 3-48

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 3-49.

		Smart Config - 10	.15.100.25(IPC)		×
Audio Detect	AnomalyDetect				
Face Detect	MutationDetect				
	Sensitive	0	50		
	MutationThreold	0	50		
	Arm/Disarm Period	Set			
	Anti-dither	5	Second(0~600)		
	<table-cell> Record Channel</table-cell>	1			
	Record Delay	10	Second(10~300)		
	💟 alarm output				
	output delay	10	second(1-300)		
	PTZ link	Set			
	📄 tour turning	1			
	📄 capture picture	1			
	📄 screen tips	📃 send email	📄 Alarm Upload	🔲 beep	SMS
Copy current configuration to	None 🔻			Apply	Save Cancel

Figure 3-49

Parameter	Note
Abnormal Detect	If enable this parameter, then audio detection alarm is enabled.
Mutation Detect	 May config sensitivity and mutation threshold. 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.

Parameter	Note
Arm/Disarm Period	Set alarm arm/disarm 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.
Record Channel	If select the parameter, then alarm record the 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.
Capture	If select this parameter, then select this parameter, then this channel config motion detection snapshot function.
Video Matrix	If select this parameter, then enable matrix function.
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.
SMS	If select this parameter, then when alarm occurs, user will receive SMS.

Face Detect is shown in Figure 3-50.

		Smart Config - 10.15.	1.66(CAM 22123)		×
Audio Detect	🗌 Enable				
Face Detect	Arm/Disarm Period Anti-dither	Set	Second(0~600)		
	📃 DynamicTrack		-		
	🔲 Record Channel				
	Record Delay	_	Second(10~300)		
	output delay		second(1-300)		
	PTZ link	Set			
	 tour turning capture picture 				
	📄 screen tips	📄 send email	🗐 Alarm Upload	🔲 beep	SMS
Copy current configuration to	None 🗸			Apply	Save Cancel

Figure 3-50

Parameter	Note
Enable	If select this parameter, it will link alarm.
Arm/Disarm Period	Set alarm arm/disarm period. Click setup to pop up arm/disarm period box.
Dynamic Track	If select this parameter, then it enable dynamic trick.
Record Channel	If select this parameter, then the channel has record of alarm. 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.
Capture	If select this parameter, then it configures dynamic snapshot function for this channel.

Parameter	Note
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.
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 3-51.





Figure 3-51

 Click button after corresponding date, you can see an interface shown as below. See Figure 3-52.

Rec Plan								
					Regular	Motion	Alarm	MD&Alarm
Period1	<mark>00</mark> :00:00	÷ —	23:59:59	÷	\checkmark			
Period2	00:00:00	÷-	23:59:59	÷				
Period3	00:00:00	÷-	23:59:59	A V				
Period4	00:00:00	÷-	23:59:59	A V				
Period5	00:00:00	÷-	23:59:59	÷				
Period6	00:00:00	÷ —	23:59:59	A V				
C Whol	e							
SUN 📃	MON	TUE	WED WED	Π Τ	HU 📃	FRI 📃	SAT	HOLIDAY
OK Cancel								

Figure 3-52

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 3-53.



Figure 3-53

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.

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 3-54.

r		Record Setting - 10.15.7.12	3(CAM 11)			×
	Pre-Record	4 * \$(0~1	20)			
Schedule	Main Stream	 Schedule O Manual 				
Record Control						
	Sub Stream	🔘 Schedule 🔵 Manual	💿 Stop			
Copy None 🔽				Apply	Save	Cancel

Figure 3-54

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 3-55. Here you can save data to local SD card or HDD.

		Disk Manager - 10.1	5.120.111(CAM 2)			×
Local Store	Device Name	HDD Operation	Disk Type	State	Free/Total Space	
Remote Store	Disk 1	Set as read-write di 🗸	Read-Write	Normal	0G/1862.88G	
Nemote store						
						2
					Cancel	

Figure 3-55

3.6.3.2.2 Remote store

It is for you to upload data to a PC via FTP. See Figure 3-56.

Disk Manager - 10.15.22.100 X						
Local Store	🕅 Enable					
Remote Store	* Host IP	1015.12.16				
	* Port	21				
	User Name	Martin				
	Password	Anonymity				
	Remote Directory	/share/ii/oc/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 3-56

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 3-57.

Account - 10.15.22.100						×
User	Add	Delete				
Role	All	Group Name	Memo	Opera	ition	
	1	admin	administrator group	/	×	
	2	user	user group	/	×	
					Cancel	



Click Add button, you can see system pops up the following interface. See Figure 3-58. 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	f	1
📃 Shutdown		
📃 Monitor		
📃 Playback		
📃 Record		
📃 Backup		
📃 HDD Mana	ager	
D DTT Combine	-1 1	0
	OK Cancel	

Figure 3-58

			Account - 10.15.22.100		
User	Add	Delete			
Role	🗖 All	User Name	Group Name	Memo	Operation
	1	888888	admin	admin(888888) 's acc	/ x
	2	666666	user	666666 user's account	/ ×
	3	admin	admin	admin 's account	/ x
	4	default	user	default account	/ X

Go to the User interface, here you can add/remove user and modify user name. See Figure 3-59.

Figure 3-59

Click Add button, you can see the following interface. See Figure 3-60. 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 User	×
User Name		Reuseable
Password		
Confirm Password		
Group	admin 🔻	
Memo		
Rights List	Check All	
📃 Ctr Panel		
📃 Shutdown		
🔲 Monitor		
📃 Playback		
Record		
📃 Backup		
📃 HDD Manager		
PTZ Control		
<u> </u>	ОК	Cancel

Figure 3-60

3.6.4.2 Maintenance

3.6.4.2.1 Host

Here you can set system time, date format, record period and etc. See Figure 3-61.

	Maintenance - 10.15.22.100	×
Local Setup	Device Name	
Date&Time	Device No	
R\$232	Language V	
Auto Maintenance	Pack Duration minute((0~120)
Version	When disk is full Stop Record V	
		(Apply) Save Cancel

Figure 3-61

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	 Here is for you to select working mode when hard disk is full. There are two options: stop recording or rewrite. If current working HDD is overwritten or the current HDD is full while the next HDD is no empty, then system stops recording, If the current HDD is full and then next HDD is not empty, then system overwrites the previous files.
Pack duration	Here is for you to specify record duration.

3.6.4.2.2 Date&Time

The date and time interface is shown as in Figure 3-62.

		Maintenance - 10.15.22.100 X
Local Setup	Date Format	YYYY-MM-DD
Date&Time	Time Format	24-H
R\$232	System Time	2014-08-01 🛓 10:48:05 🛓 Sync PC
Auto Maintenance	🔲 DST Enable DST Typ	⊙ Date ○ Week
Version	Start Time	Jan 🔽 1 🔽 00:00:00 👗
	End Time	Jan 🗸 1 🗸 00:00:00
	NTP	
	Time Zone	GMT+08:00
	NTP Server Port	time.windows.com 123 (1-65535)
	Update Period	60 Minute(0-65535)
		Apply Save Cancel



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.

3.6.4.2.3 RS232

The RS232 interface is shown as in Figure 3-63.

		Maintenance - 10.15.22.100			×
Local Setup	сом	COM1 🔽			
Date&Time	Function	Console			
R\$232	Data Bit	8			
N32J2	Stop Bit	1			
Auto Maintenance	Baud Rate	115200			
Version	Parity	None			
			Apply	Save	Cancel

Figure 3-63

Please refer to the following sheet for detailed information.

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

3.6.4.2.4 Auto Maintenance

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 3-64.

		Maintenance - 10.15.22.100	×
Local Setup	Auto Restart	Tuesday 🗸 00:00 🛓	
Date&Time	Auto Delete Files	Never	
R\$232		Restart	
Auto Maintenance			
Version			
		(Apply) Save Canc	
		Apply Save Canc	

Figure 3-64

3.6.4.2.5 Version Version interface is shown as below. See Figure 3-65.

		Maintenance - 10.15.22.100 ×
Local Setup	Software Version:	3.201.0000.0, build : 2014-1-22
Date&Time	SN: Copyright 2014. All Rig	PA2KQ00100075
R\$232	Copyright 2014. An Rig	gnis keserveu
Auto Maintenance		
Version		
		Cancel

Figure 3-65

3.6.4.3 WEB

Click it to go to the WEB of the device. See Figure 3-66. The following figure is for reference only.

http://10.15.7.15/config/index.htm?dXNlcm5hbWU9YWRtaW4mcGFzc3dvcmQ9YWRtaW4+ - Wi		ے ۔ ور
C K K K K K K K K K K K K K K K K K K K	🕑 💽 🔄 🔀 Yahoo!	ئر [
ile Edit View Favorites Tools Help		
Favorites In http://10.15.7.15/config/index.htm?dxNicm5hbWU9Y		
Channel		<u> </u>
> Conditions	Channel 1	
➤ Video&Audio	Channel .	
> Channel Name		
Network	Period 🗹 00:00 - 24:00 🔲 00:00 - 24:00	
Event	Hue 🖤5050	
Storage	Brightness	
System	Contrast D5050	
Advanced	Saturation 50 50 50	
▶ Information	Color Mode Standard V Standard V	
Customized Default	Cancel	
Customized	Cancer	
		i i

Figure 3-66

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 3-67.

SmartPSS Professional Surveillance System	HOME PAGE	+ ADD	_	≜
Add Delete	Import Export	Description	-	Operation
All State Name		Descriptio	n	Operation

Figure 3-67

- 2) Set alarm sources.
 - a) Click ______ button in Figure 3-67, system goes to alarm sources setup interface. See Figure 3-68.
- 3) Here you can input a scheme name and some reference information. select the alarm type from the dropdown list.

a) 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		Enable when create
1 Alarm sources	Alarm Type Camera Masking				
2 Alarm link	Input search criteria	No.	Channel 10.15.100.25/Channel 1	Alarm Type Camera Masking	Operation
3 Schedule	■ 10.15.1.82 ● ■				
	10.15.7.141 10.15.7.142 10.15.7.142 10.15.9.108 0.15.9.168 10.15.9.166 10.15.9.166 10.15.9.58 10.15.9.02 10.15.9.02			Next	Cancel

Figure 3-68

b) Click Alarm Link on the left pane or click next button in Figure 3-68, you can go to the following interface. Please check the trigger channel in Figure 3-69 and alarm output channel in Figure 3-70.

		New Scheme					×
	* Name Untitled 1	Description	_	-	-	📝 Enable	when create
1 Alarm sources	Channel Alarm Out						
2 Alarm link	Input search criteria	Link Channel	Push Video	Record	Preset	Stay Time(s)	Operation
	E E Default Group	10.15.120.111/CAM 2			N/A	20	×
(3) Schedule	 10.15.100.244 10.15.100.25 10.15.120.111 10.15.22.100 10.15.5.133 10.15.5.157 10.15.5.157 10.15.5.245 10.15.5.245 10.15.5.245 10.15.5.245 10.15.5.26 10.15.5.88 10.15.6.84 10.15.6.84 10.15.6.85 10.15.7.144 10.15.7.142 10.15.9.22 						
			(Back		Next	Cancel

Figure 3-69

	_	New Scheme	_	_	×
* Name Untitle	11	Description	_	🔽 Enable	when create
1 Alarm sources Channel	Alarm Out				
🔹 Alarm link 📃 🖃 🖻 De	ch criteria 🔍 fault Group 📔	Link Out 10.15.22.100/AlarmOut1	Auto Start Yes	Stay Time(s)	Operation
3 Schedule	10.1.1.71 10.15.1.82 10.15.100.244	10.15.22.100/AlarmOut2	Yes	20	×
	10.15.100.25 10.15.120.111 10.15.22.100				
	AlarmOut1				
	* AlarmOut3 * AlarmOut4 * AlarmOut5				
	AlarmOut6				
	AlarmOut8 10.15.23.33 10.15.5.122				
	10.15.5.156 10.15.5.157				
	10.15.5.245 10.15.5.33 10.15.5.76				
	10.15.5.88 10.15.6.199 10.15.6.33				
	10.15.6.84 10.15.6.85				
			ack	Next	Cancel

Figure 3-70

c) Click Period button on the left pane or click next button in Figure 3-69, you can go to the following interface. See Figure 3-71.

					New Scher	ne					×
	,	* Name	Untitled 1	Desc	cription	_	_	_	🔽 Enabl	e when create	1
1 Alarr	m sources										
2 Alarr	mlink										
3 Scher	dule 🤇		ı Sun	12345	678	9 10 11 12	2 13 14 19	5 16 17 18 1	19 20 21 22 2	3 24	
			Mon							*	
			Tue							*	
			Wed							*	
			Thu							*	
			Fri							*	
			Sat							*	
							(Back	Confirm	Cancel	

Figure 3-71

Click 🗱 after a date to set alarm activation period. There are six periods in one day. See Figure 3-72. Click OK button to exit.

	Schem	e Tim	ie Setup		×
Period 1	<mark>00</mark> :00	Å		23:59	Å
Period 2	00:00	Å	—	00:00	A V
Period 3	00:00	Å	—	00:00	A V
Period 4	00:00	A V	_	00:00	A V
Period 5	00:00	A V	—	00:00	A V
Period 6	00:00	A V	—	00:00	A V
🗖 All					
🔽 Sun 📃 Thu	Mon		📄 Tue	🔲 We	d
		$\left(\right)$	ОК	Cance	

Figure 3-72

 d) Click OK button, you can view the scheme information on the alarm setup interface. See Figure 3-73.

	Surveillance System	HOME PAGE		+ ADD		土 鱼 ? 一	
Add	Delete	Import	Export				
All	State Nam	e		Descr	iption	Operation	
1	On Untit	ed 1				✓ × ७	

Figure 3-73

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.
- Oisable 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 information.

3.8 Video Wall Configuration

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



1)

system goes to video wall setup interface. See Figure 3-74.



Figure 3-74

2) Config video wall.

- a) Enter video wall name and description.
- b) Click 🔲 🕮 🎟 below, select layout as 1*1, 2*2, 3*3, 4*4 or M*M.

Click screen to draw video wall physical layout, see Figure 3-71.



Figure 3-75

Note

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

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

unbind splicing or click a, 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 3-72.


Figure 3-76

Note:

When a screen binds M30, you need to splice physical layout s, 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 3-77.

	artPSS al Surveillance System	HOME PAGE		+ ADD	_	<u>*</u> - ? -	
Add Video	Wall Del	lete					
🗖 All	State	Name	Me	mo	Operation		
1	Enable	Untitled 1					

Figure 3-77

In Figure 3-77, double click a video wall, or select a video wall and then click Modify button ,

you can change its setup. You can also click Delete button or **X** to remove. Click^(U), you can change video wall on/off setup.

3.9 Tour & Task

3-78.

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



in the Settings pane, you can go to monitor tour interface. See Figure

SmartPSS Image: Constraint of the state		A #	?	- 1	×
Set and enable channel groups for a tour task which can be enabled on the liveview interface. You can drag to sort these groups.					
Figure 3-78					
Click button to add task interface. See Figure 3-81.					
Input task name, stay time.					
	the bott	tom	of	the)
interface to select window amount.					

• Drag channel(s) on the right pane to the windows on the left pane. See Figure 3-79.

•

•

	Tour Setup			×
Task I Task1 Stay 1	"ime 10 (s)		Device	^
No FOD	40x22 No HDD	2014 (2: 0; 14:45) 22	 10.15.6.108 10.15.7.13 	
	CAM6		 □ 10.15.7.15 ▼ CAM 1 ▼ CAM 2 ▼ CAM 3 ▼ CAM 4 ▼ CAM 6 ▼ CAM 6 ▼ CAM 7 ▼ CAM 8 ■ 10.15.7.75 □ 10.15.7.81 	
2014 12 0E 14		2014-C2-08 14 42 C9	■ 10.15.7.81 ■ ■ ■ <td< td=""><td></td></td<>	
CAM 8	CAM 6		View	~
	16 25 36 64 7	Add More	ag the channel to bi Save Canc	el

	Figure 3-79
Clic	s save button to save current setup. See Figure 3-80.
	SmartPSS Image: System Professional Surveillance System HOME PAGE HOME PAGE TOUR & TASK
	Set and enable channel groups for a tour task which can be enabled on the liveview interface. You can drag to sort these groups.
	Channel Group 1
	Figure 3-80
Tips	i
Clic	Add More to save current task setup and add more tasks at the same time.
•	In Figure 3-80, you can check the enable button to open current scheme. Or you can go to
	the main interface and then click Liveview button (
	See Figure 3-81. Click interface to enable the scheme.

SmartPSS Professional Surveillance System	HOME PAGE	TOUR & TASK ADD	_	± ≞ ? - ⊡ ×
				Device
	16 25 36	64 📝 Original 🔻 🚦		View 🗸

Figure 3-81

3.10 PC-NVR

Important

Before you use this function, please make sure you have installed PC-NVR and the PC-NVR applications are running now!

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.



1) Click icon in the Settings pane, you can go the PC-NVR interface. See Figure 3-82.

SmartPSS Professional Surveillance System	HOME PAGE	+ ADD	_	≛ ≞ ? - ⊡ X
Name: PC_NVR	IP: 10.15.6.145	Port: 37777	State: Online	ଦ
Remote Device Disk Manager Record Plan Version	Unknown Channel			
		Figure 3-8	32	
 Remote devi a) Click 	+	can see an interf	ace shown as in Figure	e 3-83. Here you can

add channels.

	Add channel		×
Input search criteria 🔍			
Chec	ked Channels: 1 You can import 16 chann	els at most.	nport Cancel

Figure 3-83

- b) Please select a device and then check the record channels
- c) Click Save 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 3-82, 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 3-84.

Smart PSS Professional Surveillance System	HOME PAGE		+ ADD	<u> </u>
Name: PC_NVR	IP: 10.34.6.160	Port: 37777	State: Online	ڻ ٺ
Remote Device	T-t-1/50.000	10.000	When disk is full:	
Disk Manager	Total/Free: 0.00G	/0.00G	When disk is full:	
Record Plan		C: Status: Free	Allocate (6G ~ 60G)	
Version		Free space:61.51G		
		D: Status: Free Free space:123.87G	(6G ~ 122G)	
		E: Status: Free Free space:111.88G	(5G ~ 110G)	
		F: Status: Free Free space:124.53G	Allocate (5G ~ 123G)	

Figure 3-84

4) Add record plan

a) In Figure 3-82, 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 3-85.

			Period Set	up			×	<
				Regular	MD	Alarm	MD&Alarm	
Period 1	<mark>00</mark> :00:00	🔶 — 23:59	9:59 🛟					
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	
					\subset	ок	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 3-86.



Figure 3-86

e) Click Save.

Tips

After you complete setup for one channel, you can click Dropdown in Figure 3-86 to copy current setup to other channel(s).

5) View version.

4 Basic Operation

4.1 Liveview

4.1.1 Real-time Liveview

After you set channel group, you can realize real-time liveview, record, snap, PTZ operation and etc.



On the main interface, 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	ltem	Function
1	Bit stream information and shortcut operation menu	 Please refer to the following contents for detailed information. Enable/disable local record. Snapshot. Enable/disable audio. Enable/disable bidirectional talk. Enable/disable bidirectional talk. Instant playback. Digital zoom Close current window.
2	Video window	Real-time video
3	Window split mode	 It is to set 1-wind to 64-window mode. Select a window and then click this button to custmoze its setup. Original : Adjust video scale. Full screen.
4	Intelligent button	 Save current liveview as image. You can view under View. Enable tour plan. Refer to Ch 3.9. Close tour plan. Intelligent alarm. Intelligent device connection, display this button, meaning device supports intellgient alarm. Face recognition. Intelligent device connection, display this button, meaning device supports face recognition.
5	PTZ	It is for PTZ dome camera or fisheye 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	Display device group and the corresponding channel. Here you can create a new group and drag a device to it. Right click a channel, you can select main stream/sub stream or quickly go to the device setup interface.
L	L	double click a device channel on the right name to open the video

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.



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.
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.

Item	Function
Stream type	Switch between main stream/sub stream
Adjust	Set video brightness, contrast, hue and saturation.
Channel setup	Click it to go to the channel setup interface (chapter 3.6).
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 **I** 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 **w** 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 PTZ

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





Please refer to the following sheet for detailed information.

ltem	Function
PTZ menu	Click to go to the PTZ menu. See Figure 4-5.
Mouse simulator	Click , you can use your mouse to set camera movement direction.

ltem	Function								
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.								
	There are 128 presets by default.								
	You can set camera to a specified preset.								
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.								

4.1.4.1 Preset

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

Preset setup

Please note system supports 128 presets by default.

- 1) In Figure 4-4, 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 finish the setup.

4.1.4.2 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 4-4, select Tour from the dropdown list and then click 🗱 button. See Figure 4-6.

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

Figure 4-6

- 2) Input tour number/tour name.
- 3) Select preset number from the dropdown list and input stay time.
- 4) Click ****** 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.

4.2 Playback

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

On the main interface, click in the Basic pane, you can go to the playback interface. See Figure 4-7.

SmartPSS Professional Surveillance System	± ≞ ? – ⊡ ×
HOME PAGE PLAVBACK ADD Main Stream(648.54 kb/s, 1200*960) Main Stream(648.54 kb/s, 1200*960) HOME PAGE PLAVBACK ADD 1 1 2	Device Local Device • Input search criteria • • 10.15.5.249 • 10.15.6.31 • 10.15.6.31 • 10.15.6.82 • 10.15.6.82 • 10.15.6.82 • 10.15.6.86 • 10.15.6.86 • 10.15.6.87 • 0.15.7.109 • 10.15.7.114 • 10.15.7.123 • 10.15.7.124 • 10.15.7.141 • 10.15.7.141 • 10.15.9.108 • 10.15.9.108 • 10.15.9.108 • 10.15.9.108 • 10.15.9.108 • 10.15.9.108 • 10.15.9.146 • 10.15.9.146 • 10.15.9.146 • 10.15.9.146 • 10.15.9.146
3 Channel Name 1 2 3 4 5 6 7 8 9 10 11 12 13 4 15 16 17 18 19 20 21 2 23	Stream Main Stream From 2014-08-04 00:00:00 To 2014-08-04 23:59:59
Window1_CAM 1 Window2_CAM 2 Window3_CAM 3 Window4_CAM 4	Search
7 Figure 4-7	▼ ▼ 8 9

SN	Item	Function				
1	Shortcut operation column	 There are shortcut operations to download record file and snapshot. Snapshot. Snapshot. Zoom in window Close current window. 				
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: • Window sync operation button. When this function is enabled, the operation of the playback bar is for all windows. When it is in for current selected window only. • It is to switch playback and pause. • • • : Stop playback. • • : Forward. • 11 : It is to control the playback speed. • • : It is to adjust volume. • Motion detect the zone.				
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 4-7, 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 4-8.

Smart PSS		•>>>>	+	± ≞ ? - ⊡ ×
Professional Surveillance System	HOME PAGE PI	LAYBACK	ADD	
				Device Local
				Device 🔨
			•>>>>>	Input search orderia 10.15.100.244 10.15.120.111 10.15.22.100 10.15.5.156 ???? D CAM 3 CAM 4 CAM 5
				CAM 6 CAM 6 CAM 7 CAM 7 CAM 8 CAM 9 CAM 10 CAM 11 CAM 12 CAM 12 CAM 14 CAM 15 CAM 15
				View 🗸
				Type All 💽
ORecord Event				From 2014-08-04 00:00:00
Channel Name 1 2	34567	8 9 1	2014-08-04 0 11 12 13 14 15 16 17 18 19 20 21 22 23	To 2014-08-04 23:59:59
Window1_Channel 1 Window2_Channel 1 Window3_conf_img				Search
Window4_CAM 5				× 🖪

Figure 4-8

- 5) Click to play record.
- 6) Click a to intelligently search motion detection. System shows motion detection window.
- 7) Left click to select motion detection area.
- 8) Click to search motion detection. The purple time bar represents found motion detection in Figure 4-9.



4.2.2 Playback Local Record

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

- 1) In Figure 4-7, click Local button on the right pane.
- 2) Check a channel (or some channels) on the device list on the top right pane.
- 3) Select record start time and end time.
- 4) Click Search on the left bottom to search. You can see the

corresponding dialogue box if there is no record.

Now you click

to playback window.

4.2.3 Export

5)

There are three ways for you to select export records.

- In Device record interface, select periods on the time line and then click to export records.
- In Record event interface, select record type and then click in the export records.
- In Local record interface, check the records first and then click 🛄 to expoer records.

You can see the export interface is shown as in Figure 4-10. Select the corresponding export path and then click OK button to export.

_		
	Exp	ort Setup X
Path	∕stem\SmartP	SS\Record\DownLoad\ Browse
Export For	AVI	V
🔽 Expor	t the green vers	ion of SmartPSS player
Free Space:	1102M	OK Cancel

Figure 4-10

You can click
to view exporting and exported conditoions.

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 4-11.

Smartl Professional Surveil			+ ADD	_		*	<u>₽</u> ? - □
Pending/Process	ed 0 0			🗖 Display L	ink Video	📄 Display Overlay Window	Pause Refresh
No. State	Alarm Type	Time		Event Type	Device	Channel	
arm Process							

Figure 4-11

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 4-12.

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 4-12

4.4 Log

Log interface is shown as in Figure 4-13.

Select start time/end time, and select type from the dropdown list. Click Search button, you can see the log information.

	tart Time 2014-08-01 00:00:0	o All	 End Tin Key Word 	ne 2014-08-01 23:59:59	•		Search
Backu						_	
No.	Time	🔺 User Name	Event Type	Device Name	Channel Name	Remarks	
1	2014-08-01 09:53:34	admin	User Login				
2	2014-08-01 11:22:41	admin	User Logout				
3	2014-08-01 11:23:44	admin	User Login				
4	2014-08-01 11:24:13	admin	User Logout				
5	2014-08-01 11:24:31	admin	User Login				

Figure 4-13

5 Extension

5.1 Video Wall

After you set video wall setup (chapter 3.8), you can output video to the video wall. You can follow the steps listed below to set.

Click icon on the main interface, you can go to the following interface. See Figure 5-1.

	art PSS Surveillance System	HOME PAGE	VIDEO WALL	VIDEO WALL	PLAYBACK	DEVICES	+ ADD	±≞?-□×
Screen Info	•	Task Name N/	A 🔻	Task Manager	Allocate De	vice 🔽 Rea	l-time Mode	
	Unbounded	d Decoder	₽	Un	bounded De	ecoder	≘ ×.	Input search criteria
	Unbounded	d Decoder		Un	bounded De	ecoder	2 —	Channel9 Channel10 Channel11 Channel11 Channel13 Channel14 Channel15 Channel16 Channel16 Channel17 Channel18 Channel18
			IG M×N					Preview
No.	Window	Channel Name St	ay Time	Stream Type	Operation			
	3			4				
								Save Apply



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 Click to open 1*1, 2*2, 3*3, 4*4 or M*N layouts of windows.		
4	Clear screen, open/close window	 Clear all video channels or layouts on screen. Screen on/off setup, to open/close TV wall displsy. Clear screen and open window. 		

- 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. See

IP Camer	а	
Username:		
	.ogin Cancel]

Figure 5-2

- 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 🖊 or 迷 to modify or delete current task.

5.2 E-map

Click icon



on the main interface, you can go to the e-map interface. You can view the

device status on the e-map. On the view map interface, you can zoom e-map or open video, but you can not edit it. On the Edit e-map interface, you can edit e-map, add camera and etc.

5.2.1 Add E-map

If it is your first time to use e-map, you can see an interface shown as below. See Figure 5-3.



Figure 5-3

Click Add map button, the interface is shown as in Figure 5-4.

Please input e-map name and then select e-map picture. You can input some reference information if necessary.

Add Map	×
Name:	
Picture:	File
Describe:	
	Save Cancel



After you added an e-map, the interface is shown as below. See Figure 5-5.



Figure 5-5

5.2.2 Edit E-map

Click Edit, you can go to the following interface. See Figure 5-6.Click Tools, you can edit emap, delete e-map, delete device, add area, modify area, delete area and etc. Drag a channel on the right pane to the e-map; you can add it to the e-map.



Figure 5-6

Click **Tool** button, you can see a function bar shown as below. See Figure 5-7.



Figure 5-7

Please refer to the following sheet for detailed information.

Item	Function
Modify e-map	It is for you to change e-map name, picture, description
Delete e-map	Delete current e-map.
Delete device	Delete a device from the e-map.
Add area	Add hot zone on the e-map.

ltem	Function	
Modify area Change hot zone map name, picture and description.		
Delete area	Delete corresponding hot zone.	

5.2.3 Liveview E-map

After you edited the e-map, you can click View button to liveview. Buttons at the left top of the interface can zoom in, zoom out or move e-map. Double click a camera on the e-map, you can view video. See Figure 5-8.



Figure 5-8

5.3 Device Display&Control

The device type supports NVR6000 series product only. Here is for you to set split mode and display channel.



Click icon you can go to the following interface. Drag a channel on the right pane to the

window to bind.

Click the window display mode setup button at the bottom of the interface; you can see the 128channel of the NVR6000. In Figure 5-9, you can view the 1-split mode. You can click channel range to select corresponding channel.

001_004	041_044	081_084	121_124
005_008	045_048	085_088	125_128
009_012	049_052	089_092	
013_016	053_056	093_096	
017_020	057_060	097_100	
021_024	061_064	101_104	
025_028	065_068	105_108	
029_032	069_072	109_112	
033_036	073_076	113_116	
037_040	077_080	117_120	

Figure 5-9

Move the mouse to a window, click M*, you can switch between main stream/extra

stream/auto. Click it to cancel binding. Or you can right click mouse to cancel binding or change bit stream type.

Note:

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