Honeywell | Video

# Honeywell HDCS Video Surveillance System User Manual

## Preface

#### Symbols

The following symbol may appear in this document:

Symbol Definition	
<b>⊘</b> — Tips	There are some tips that can help solve certain problems.
D Note	There is additional info to the context.

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# Welcome

Thank you for choosing our Video Surveillance System--HDCS! This user manual is designed to be a reference tool for operation of your system. Here you can find detailed operation information about HDCS.

# **1** Overview and Environment

## **Overview**

HDCS is a video surveillance system, which is designed for managing security surveillance devices conveniently and efficiently. The main features of HDCS are listed as below:

- 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: clearly view and manage all devices at different locations.
- Support video wall plan setup: output video to the video wall.
- Support extension applications: send out alarm information to external programs.

## Performance

System supports up to 256 devices and 2000 video channel connection, up to 64-channel live view in a single screen and maximum 256-channel in 4 screensEnvironments

Item	Requirements
OS	Windows XP/Windows 7/ Windows 8/Windows 10
CPU	Intel® Core™ 2 Duo 3.0GHz or above, Recommended Intel Core i3-4150 3.5GHz or above (for 64ch live view)
Display card	Intel HD Graphics 4400 equivalent or above, and support DirectX 9.0 or higher.
Network card	100Mbps or higher( 1Gbps recommended)
Memory	Minimum 2GB, Recommended 4GB or above (for 64ch live view)
Displayer Resolution	1024×768 or above.
Hard Drive	80GB free space or above

# 2 Installation and Upgrade

# Installation

Double click "HDCS\_Setup.exe" to begin installation.



Please make sure that your computer display is in default setting (Smaller-100%), you can check it in Appearance and Personalization->Display.

Please install HDCS under administrator privileges accounts.

Please make sure that your computer display is in default setting (Smaller-100%), you can check it in Appearance and Personalization->Display.

#### Figure 2-1



Select installation language and click OK button to go to Welcome interface.

Figure 2-2



Click **next** button. Here you can view End-User License Agreement.

Figure 2-3

oneywell	
END-USER LICENSE AGREEMENT ("EULA") 1. Preface Please read the following Agreement carefully before installing the Software. This End User License Agreement ("EULA" or "Agreement") is an agreement between you (" provider, and the provider ("Provider") of approved services. By installing, copying, downloadi the User agrees to be bound by the terms of this Agreement. IF YOU DO NOT AGREE TO TI NOT USE THE SOFTWARE. Please immediately stop installing, copying, or otherwise using the the Software that you have installed or stored.	ng or otherwise using the Software HE TERMS OF THIS EULA, YOU MAY
2. Definitions Software: In this Agreement "Software" means information processing program or supporti functional units, with supporting files of all or part of source code, object code and relevant in record, video record, music, text, code; plus descriptions, functions, features, contents, qual other hardcopies or electronic version of documents or technical files ("Software Product" or of interest or Provider's products. You: In this Agreement "You" means any individual or individual entity, corporate entity inc organization or section that has obtained license to legally use of the Software. Probationary Period: In this Agreement "probationary period" means the period before com allows Users to evaluate the Software within its entity.	mages, photos, icons, video, sound cy, tests, user manual, EULA and "Software") relevant to the Software uding company, enterprise,
3. Software Permit	-

Please check the Accept item and then click **Next** button to continue. System pops up module installation dialogue box.



Honeyw	ell		
	Please select the functions you v to install. Click [Next] to continue IF HDCS	vant to install. Delete the modules you do not want e. Description HDCS is management software to manage the embedded network surveilance devices. It is suitable for devices such as embedded DVR, NVR, decoder. It supports real-time preview, remote playback and export, TV wal, E-map, alarm message receive and activation, remote device parameter setup and etc.	
	Need Space(unit as MB): 336	Back	Next Cancel

Check HDCS items and then click **Next** button, you can see there is an interface asking you to specify installation path.

#### Figure 2-5

Honeywell	
Click Install to continue. Click [Browse] to install in different folders.	
C:\Program Files\HDCS	Browse
The free space of C is 69606MB	The free space of E is 123372MB
The free space of D is 70520MB	The free space of F is 123839MB
	Back Install Cancel

After you select installation path click **Next** button, system begins installation.

#### Figure 2-6

Honeywell	
Wholly new, flexible realtime preview with abundant functions	
WITH ADUNCANT TUNCTIONS Shining new tool bar, various functions, clear interface Multiple customized window layouts suitable for more surveillance environments operation with view interfaces and groups	
-	
	Back Next Cancel

During the installation process, you can click **Cancel** button to exit. After installation, you can see an interface is shown as below.

#### Figure 2-7



Click **Finish** button, you can complete the installation.

## **Un-installation**

From **Start -> All programs->HDCS**, select Uninstall HDCS item. System pops up the following dialogue box.

## <sup>©</sup><sup>\_\_\_</sup> Tips

If HDCS is not installed under administrator privileges accounts, please re-install HDCS under it, and then you will be able to uninstall HDCS successfully.

#### Figure 2-8



Click Next button, you can see an interface shown as in the next figure.

Check the box here to remove HDCS. Click **Uninstall** button to remove.

#### Figure 2-9

Honeywell		
	Please choose the components that you want to uninstall, Delete the modules you do not want to install. Click [Uninstall] to continue.	
	HDCS	
	Iv HUCS	
		Uninstall Cancel

# **3** Setting



Double click HDCS icon **FDCS**, you can go to the login interface.

# 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 username and password, and then enters the software main interface.

Cancel: Click this button to exit login interface.



If it is your first time to run the HDCS program, default user name is admin and its password is admin too. The user admin is a super administrator and cannot be removed. You can add, modify or delete other users.

For security reason, please modify your password after first login.

You can select Remember Password, so that when you log in the next time, you do not need to input user name and password. Please note this function is for your convenience only. Do not enable this function in any public PC.

Honeywell				
User Name: Password:	admin Remember Password Login Exit			

# **Main Interface**

Click Login button, system begins verifying user name and password and then goes to the main interface.

1 <b>H</b>	<u>oneywell</u>	HOME PAGE	DEVICES	+ ADD	_	_	± = -	□ ×
2	BA SIC	PLAYBACK	ALARM	LOG		UserNam	4:31:57 2015-03-10 e: admin e: 14:24 2015-03-10	
3	ADVANCED	E-MAP						
4	SETTINGS	DEVICE CFG	ALARM CFG	TOUR & TASK	VIDEO WALL	ACCOUNT	GENERAL	

#### 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 icons. Click add button to add a function icon on the top pane.
2	Basic	It includes liveview, playback, alarm manager, and log.
3	Advanced	It includes video wall, and e-map.
4	Settings	It includes Devices, Device CFG, Alarm CFG, Tour & Task, Video Wall, Account, and General, etc.
5	Basic Information	It is to display current time, user information, and login time.

# General

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



button; you can go to the general interface. See the next figure.

## Basic

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

Honeywell	HOME PAGE GENER	AL DEVICES	4 ADD	& = - = ×
🔅 Basic		meters such as log saved ti guage and time setup.	me, instant playback time, network capabi	lity and etc. System needs to
Alarm Prompt	Log Saved Time Instant Playback Time Network Capability	30Days 5Min 100M	(Activated after restart)	
	Serial Port	COM1 Resume LiveView State Auto login HDCS	<ul> <li>(Serial port for keyboard)</li> </ul>	
	User Name Password	C Auto login Windows		
	Language Time Format	English Sync Time 08:00:00 24-Hour	(Activated after restart)     Sync Now     (Activated after restart)     (Activated after restart)	
				Default Save

Please refer to the following sheet for detailed information.

ltem	Function
Log Saved Time	Here you can set log saved time. System automatically overwrites old files once it reaches the period you set here.
Instant Playback Time	It is to set instant playback time.
Network capability	It is for you to set network transmission speed (unit: bps). It includes: "Low", "10M", "100M", "1000M".
Serial Port	Reserved.
Resume LiveView State	System restores previous preview status after it restarts.
Auto Login HDCS	If this box is checked, you can log in HDCS directly without inputting user name and password next time.
Auto Login Windows	Check the box here and then input user name and password, you can log in the Windows automatically after the computer restarts.
Language	You can switch software language among French, German, Italian, Spanish, Portuguese, Russian, Polish, Dutch, Danish, English, Korean, Japanese, Traditional Chinese and Chinese.

ltem	Function
Sync time	Check the box here to enable time synchronization function and then input synchronization time. HDCS can 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.

## File Path

File configuration interface is shown as below.

Here you can set the default saved path for snapshot picture and record file.

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 been installed in the D disk, you can import user information to current software.

#### Figure 3-4

Но	neywell	HOME PAGE	SENERAL	DEVICES	+ ADD	_	_	*	-	-	×
*		Set HDCS file p	oath (such as	snapshot, record,	user configuration and	etc.)					
	Alarm Prompt	Snapshot Path Record Path		rogram Files/HDC				rowse			
	Version	Config Path		rogram Files/HDC		n file in the specified dir		rowse			
							Default		Sav	e	

## **Alarm Prompt**

It is to set alarm prompt audio. The interface is shown as below.

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.

loneywell	HOME PAGE GEN	ERAL DEVICES	+ ADD	_	* = -	;
🍄 Basic	Set HDCS global al	arm audio and trigger map	alarm flash function or not.			
File	Link Video Type	Main Stre				
Alarm Prompt     Version	Camera Masking		Loop Play S/HDCS/sound/en/video shelter.wav	Browse	0	
	Motion Detect	C:/Program Files/HDC	S/HDCS/sound/en/motion detect.wav	Browse	0	
	Video Loss Disk Full		S/HDCS/sound/en/video lost.wav S/HDCS/sound/en/disk full.wav	Browse	0	
	Disk Error External		S/HDCS/sound/en/disk fault.wav S/HDCS/sound/en/external alarm.wa	Browse v Browse	•	
		E-Map flashes when	an alarm occurs			
				Def	ault Save	

<sup>©</sup><sup>▲</sup> 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 is exported. If you re-install HDCS, you can export all previous user's config info into current client.

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

## Version

Click the version button; you can go to the following interface.

Here you can view software version information.

Honeywell		+ ▲ = □	×
🏶 Basic			
File	HDCS		
Alarm Prompt	Version No.: 5.0		
Version	Built Date: 2014-07-23		

# Account

Here you can add, modify or delete a user.

## Add Role

Click in the Settings pane, and then click role tab, you can go to the following interface.

one	eywell	HOME PAGE	ACCOUNT	DEVICE CFG	DEVICES	+ ADD		A = -	•
User	Role								
Add	Delete								
IIA	Role		Me	mbers			Operation		
1	admin		1						

Click Add button, the interface is shown as in the next figure.

#### 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	
	Save Cancel	

Please input a role name and check the corresponding role rights. You can input some remarks if necessary.

Click Save button.

# <sup>©</sup> Tips

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

## Add User



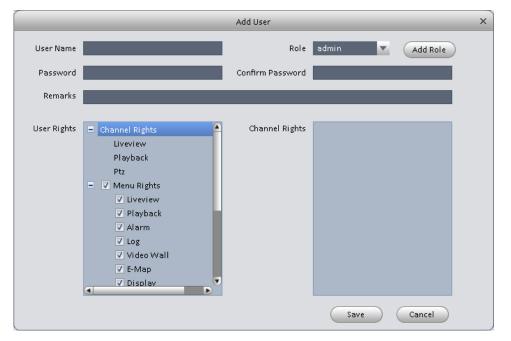
🚬 in the Settings pane, and then click **user** button, you can go to the following interface.

#### Figure 3-9



Click **Add** button, you can see system pops up the following interface.

#### Figure 3-10



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.

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 input user password.
Confirm password	Please input user password again.
User Rights	Here you can check the box to select corresponding rights for current user. If the new user's role is admin, system checks all rights by default.

Click **Save** button to add a new user.

# <sup>©</sup><sup>\_\_\_</sup> Tips

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

## **Device Manager**

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

#### Auto Add



Click Licon. System displays device manager interface.

Click Refresh, search device within the LAN.

Check device, click Add button to add device.

#### Manually Add

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

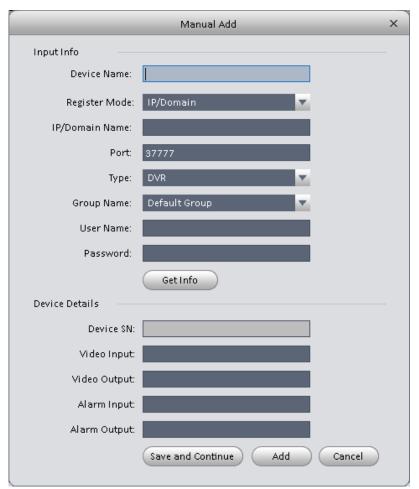


Click icon in the settings pane, system goes to the device manager interface; you can see an interface is shown as in the next figure.

Hon	eywell	_	E PAGE		DEVICE CFG	DEVICES	+ ADD		*	<u> </u>	×⊡
Online Dev	ices:29										
	IP		Туре		Mac		Port				
14	10.15.5.166		NVR-P		90:02:a9:38	:a1:e5	37777				
15	10.15.5.17		NVR-P		90:02:a9:b9	:5c:75	37777				
16	10.15.5.208		NVR-P		90:02:a9:24	:c6:57	37777				
17	10.15.5.99		NVR		90:02:a9:39	:0c:0c	37777				
18	10.15.6.28		HCVR		90:02:a9:b9	:77:80	37777				
19	10.15.6.85		HDVR		90:02:a9:8d	:c7:b4	40002				
20	10.15.6.86		NVR-P		90:02:a9:6c	:1c:0f	40006				
All Devices	Add 2 Online:1										
	Name	Туре		IP/Domain Name	Port	Channel No.	State	SN	Operatio	n	
1	10.15.135.80	NVR		10.15.135.80	37777	0/0/0/0	Online		/ 🖪	x	
2	10.15.5.89	DVR		10.15.5.89	37777	16/0/16/3	Offline	PA3DU06900897	/ 🕑	×	
Manual A	Add Delete	Impo	irt (	Export							

Click Manual Add button. Please input the corresponding information and then click Add button.

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 or SN.
IP/Domain name	Device IP address or domain name.
SN	Device SN.
Port	Device TCP port. It is 37777 by default.
Group Name	You can choose a group.
Туре	Device type.

ltem	Function
User name	The user name you log in the device.
Password	The password you log in the device.

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

#### Figure 3-13

Device Details	i
De	wice SN: YZC4EZ008W00019
Vide	eo Input: 1
Video	Output: 0
Alan	m Input: 2
Alarm	Output: 1
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.

Click Add to add a new device. Added devices are shown as in Figure 3-14.

IP									
		Туре		Mac		Port			
10.15.5.166		NVR-P		90:02:a9:38		37777			
10.15.5.17		NVR-P		90:02:a9:b9	:5c:75	37777			
10.15.5.208		NVR-P		90:02:a9:24	:c6:57	37777			
10.15.5.99		NVR		90:02:a9:39	:0c:0c	37777			
10.15.6.28		HCVR		90:02:a9:b9	:77:80	37777			
10.15.6.85		HDVR		90:02:a9:8d	:c7:b4	40002			
10.15.6.86		NVR-P		90:02:a9:6c	:1c:0f	40006			
2 Online:1	Туре		IP/Domain Name	Port	Channel No.	State	SN	Operation	
10.15.135.80	NVR		10.15.135.80	37777	0/0/0/0	Online		/ E ×	
10.15.5.89	DVR		10.15.5.89	37777	16/0/16/3	Offline	PA3DU06900897	/ 🕑 🗙	
	10.15.5.17 10.15.5.208 10.15.5.99 10.15.6.28 10.15.6.85 10.15.6.85 10.15.6.85 0.15.6.85 0.15.6.85 0.15.6.85 0.15.5.5 0.15.5.5 0.15.	10.15.5.17 10.15.5.208 10.15.5.99 10.15.6.28 10.15.6.85 10.15.6.86 Add 2 Online:1 Name Type 10.15.135.80 NVR	10.155.17 NVR-P 10.155.208 NVR-P 10.155.208 NVR-P 10.155.208 NVR 10.156.28 HCVR 10.156.86 NVR-P Add 2 Online:1 Vrpe Name Type	10.15.5.17     NVR-P       10.15.5.208     NVR-P       10.15.5.99     NVR       10.15.6.86     HCVR       10.15.6.86     NVR-P       Add     NVR-P	10.155.17     NVR-P     90.02.39.24       10.155.208     NVR-P     90.02.39.24       10.155.99     NVR     90.02.39.24       10.156.88     HCVR     90.02.39.36       10.15.6.86     NVR-P     90.02.39.36       10.15.6.86     NVR-P     90.02.39.36       0.15.6.86     NVR-P     90.02.39.36       0.15.6.86     NVR-P     90.02.39.36       0.15.6.86     NVR-P     90.02.39.36       0.15.6.86     NVR-P     90.02.39.36       0.01ine:1     Nmme     Port       10.15.135.80     NVR     10.15.135.80     3777	10.155.17     NVR-P     90.02.a93b95c.75       10.155.208     NVR-P     90.02.a939.0-0       10.155.99     NR     90.02.a939.0-0       10.15.6.86     HCVR     90.02.a93.0-0       10.15.6.86     NVR-P     90.02.a93.0-0       10.15.6.86     NVR-P     90.02.a93.0-0       Add     NVR-P     90.02.a9.30.c-0       0 nline:1     NVR-P     90.02.a9.30.c-0       Name     Type     10/15.158.00     Port       Channel No.     10.15.135.80     NVR     10.15.158.00     37777	10.15.5.17     NVR.P     90.02.a9.39.5C.75     57777       10.15.5.208     NVR.P     90.02.a9.24:6.57     57777       10.15.5.99     NVR     90.02.a9.24:6.57     57777       10.15.6.28     HCVR     90.02.a9.39.5C.75     57777       10.15.6.85     HCVR     90.02.a9.39.5C.75     57777       10.15.6.86     NVR.P     90.02.a9.39.5C.75     40002       Add     Add     40002     40005       Name     Type     IP/Domain Name     Port     Channel No.       State     NVR     10.15.135.80     NVR     5777	10.155.17     NVR-P     90.02:a9:39:5-75     37777       10.155.208     NVR-P     90.02:a9:39:5-75     37777       10.155.99     NVR     90.02:a9:39:5-75     37777       10.156.82     HCVR     90.02:a9:39:5-75     37777       10.15.6.85     HDVR     90.02:a9:39:5-75     37777       10.15.6.85     NVR-P     90.02:a9:39:5-75     37777       10.15.6.86     NVR-P     90.02:a9:39:5-75     40002       Add     Add     Add     10.15:135.80     NVR       10.15.135.80     NVR     10.15:135.80     ST77	10.155.17     NVR-P     90.02.a9.95.75     37777       10.155.208     NVR-P     90.02.a9.95.75     37777       10.155.99     NVR     90.02.a9.95.75     37777       10.15.6.86     HOVR     90.02.a9.95.75     37777       10.15.6.86     NVR-P     90.02.a9.95.75     40002       10.15.6.86     NVR-P     90.02.a9.95.75     40002       Add

Click Import to batch import local config in .xml format.

#### Figure 3-15

	Dev	/ice Impor	t	×
From lo	cal disk			
Username		_		
Password			Import Cancel	

# <sup>©</sup> Tips

Select a device in the list, and then:

- Click do modify, or click to delete it.
- Click G to log in the device manually.
- Click **E** to log out the device manually.

- Click Export button and then select save path to save current device list to .xml file.
- 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.

#### Figure 3-16



## General

#### Network

Here is for you to set network information such as TCP/IP, connection, IP filter, Multicast, and alarm centre.

#### TCP/IP

Here you can set corresponding parameter when you are using TCP/IP connection. See Figure 3-17. For the details of each parameter, you may refer to the user manual of specified devices for reference.

		Network	×
тср/ір	NetworkMode		
Connect	Default	V V	
IP Filter	Mode	Static DHCP	
Multicast	MAC Address		
Alarm Centre	IP Version	IPV4	
	Subnet Mask		
	Default Gateway		
	Alternate DNS		
		Apply Save Cancel	D

#### Connect

Here you can set maximum login account amount, TCP port, UDP port, HTTP port and RTSP port, etc.

#### Figure 3-18

		Network			×
TCP/IP	Max Connect		(1-20)		
Connect	TCP Port		(1025-65535)		
	UDP Port		(1025-65535)		
IP Filter	HTTP Port		(1-65535)		
Multicast	RTSP Port		(1-65535)		
	HTTPS Port		(1-65535)		
Alarm Centre					
			Apply	Save	Cancel

#### **IP** Filter

IP filter interface is shown as in the following figure. You can add IP in the following list. After you enabled white list function, only the IP address listed below can access current device. If you enable blacklist function, the following listed IP addresses cannot access current device.



		Network				×
TCP/IP	Enable					
Connect	Add					
IP Filter	Whitelist					
Multicast	Index	IP Address	Operation			
Alarm Centre						
				Apply Sav	/e	Cancel

#### Multicast

The multicast interface is shown as in the following figure.

Multicast is a transmission mode of data packet. When there is more than one client to receive the same data packet, multicast is the best option to reduce the network bandwidth and the CPU loading. In this mode, the device only needs to send out one data packet. This function also needs the support of network switch and router.

Figure	3-20
--------	------

		Network	×
TCP/IP	Main		
Connect	Enable Multicast Address	239.255.42.42 (224.0.0.0~239.255.255.255)	
IP Filter	Port	36666 (1025~65000)	
Multicast	Assist		
Alarm Centre	Enable		
	Multicast Address	(224.0.0.0~239.255.255.255)	
	Port	(1025~65000)	
		Apply Save	Cancel

#### Alarm Server

The alarm centre interface is shown as below.

System can upload alarm signal to the alarm centre when local alarm occurs.

Before you use alarm centre, please set server IP address and port, etc. When an alarm occurs, system can send out alarm message, so the alarm receiver can process the alarm.

	Network	×
TCP/IP	Enable	
Connect	Protocol Type Alarm Centre	
IP Filter	Host IP 10.1.0.2	
Multicast	Port 1 Schedule Login Every Day V At 00:00 V	
Alarm Centre		
	Apply Save Canc	el

## Remote

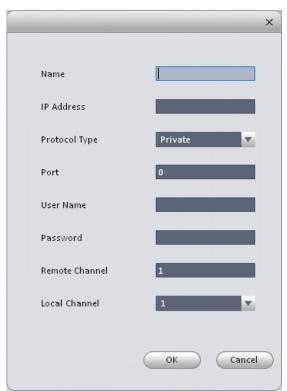
Here you can add remote device manually or automatically.

All	IP	Port	Device Name	Protocol Type	Device Type	
10	192.168.151.222	37777	192.168.151.222	Private	HRHM104*	
Search	Add	_				HM104*
Device Channe	I IP	Port	Device Name	Remote Channel		Device Type
				1		
9	10.1.1.128	37777	YGC4HZ004W00029	1	Private	
	10.1.1.128	37777	YGC4H2004W00029	<u> </u>	Private	

Click Search device button, system can list all the devices on the same local network. 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. Please input the corresponding information and then click OK button to add a remote device.





## Encode

#### Audio/Video

The interface is shown as below. Here you can set audio/video encoding parameters.

		Encode - 10.15.100.244(Channe	el 1)	×
Audio/Video	Main Stream		Extra Stream	
Snapshot	Stream Type	General 🔻	💟 Video Setup	
snapsnot	Encode Type	H.264 🗸	Encode Type	H.264
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	DigitalCCTV		
Copy None 🔽			Apply	Save Cancel

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 for 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 and resolution, it shows corresponding range of bit rate for your reference.
lframes	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 enable watermark function and input watermark character.
Сору	Click it to copy current setup to other channel(s).

## Snapshot

The snapshot interface is shown as below.

#### Figure 3-25

	En	code - 10.15.100.244(Channel 1)		×
Audio/Video	Snap Mode	Regular 🔽		
Snapshot	Size	1080P		
Overlay	Quality	Better		
	Snap Interval	1S/P		
Copy None			Apply Save Can	
Copy None 🔽			Appry Save Can	

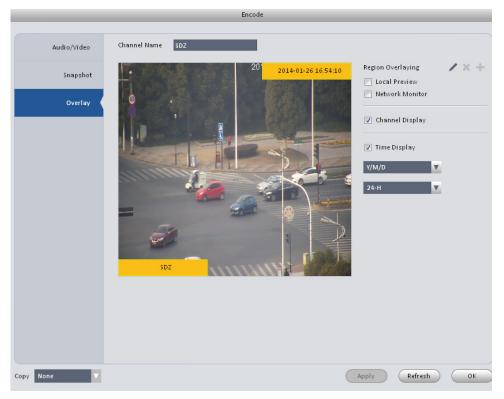
Please refer to the following sheet for detailed information.

Parameter	Function
	There are three modes.
Snapshot type	<ul> <li>Regular: It enables snapshot function as you set on the snapshot plan.</li> </ul>
	• MD: It enables snapshot function when motion detection occurs.
	Alarm: It enables snapshot function when alarm occurs.
lmage 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	You can copy current channel setup to other channel(s).

#### Overlay

Here is for you to overlay information on the video.



Please refer to the following sheet for detailed information.

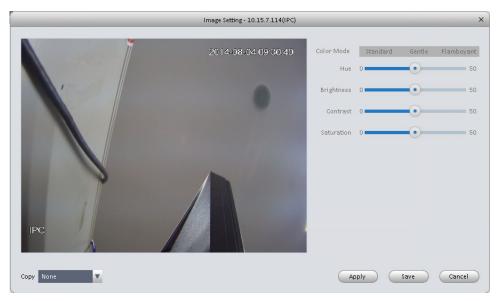
Parameter	Function
Channel Name	Set channel name.
Area-overlay	There are two types: Local preview and network monitor.
	Local Preview: It is to shield the corresponding video under local preview mode.
	Network monitor: It is to shield the corresponding video under network monitor mode.
	Click button 🔽 to add covering area.
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 in the living 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).

# Image

Here you can set image property.

#### Figure 3-27



Please refer to the following sheet for detailed information.

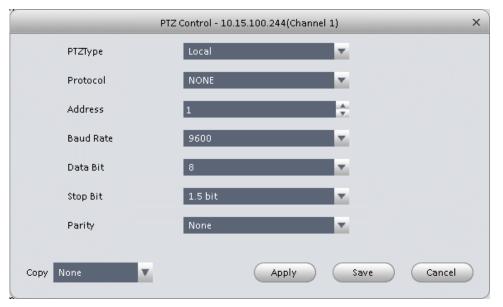
Parameter	Function
Color mode	It is to set color mode.
Hue	It is to set image's hue.
Brightness	It is to adjust image's brightness. The large the value is, the bright the video is, and vice versa.
Contrast	It is to set video contrast. The large the value is, the big the contrast is, and vice versa.
Saturation	It is to set image's saturation. The larger the value is, the strong the color is, and vice versa.

Setting

# **PTZ Control**

It is for you to set PTZ parameters.

#### Figure 3-28



Please refer to the following sheet for detailed information.

Parameter	Function
Protocol	Select the corresponding PTZ protocol such as PELCOD.
	Set corresponding address. Default value is 1.
Address	<b>Note:</b> your setup here shall comply with your PTZ camera address; otherwise you cannot control the PTZ camera.
Baud Rate	Select the corresponding baud rate.
Data Bit	Please set corresponding data bit.
Stop bit	Please set corresponding stop bit.
Parity	Please set corresponding parity.

# Event

# Video Detect

The video detect includes three types:

- Motion detect: Through analyzing video, system can trigger motion detect alarm when it detects any moving objects that reaches the sensitivity threshold you set here.
- Video loss: This function allows you to be informed when video loss occurs. You can enable alarm output channel and enable show message function.

• Camera masking: If the camera is covered, the system can trigger camera masking alarm.

Here is an example of motion detection configuration interface.



	Video Detect - 10.15.7.123(CAM 11)	×
Video Loss	✓ Enable	
Camera Masking	Arm/Disarm Period Set	
Motion Detect	Sensitivity 3	
	Anti-dither 5 🚔 \$(0°600)	
	Zone Set	
	Delay Time 10 😴 S(10~300) 🗌 Upload To Cloud	
	Alarm Output	
	Delay Time 10 🇘 Min(1~300)	
	T PTZ Link Set	
	□ Tour	
	Snapshot 1 2 3 4 5 6 7 8 9 10 11 12 >	
	Upload To Cloud	
	Show Msg Send Email V Alarm Upload Buzzer SMS	
Copy None	Apply Save C	ancel



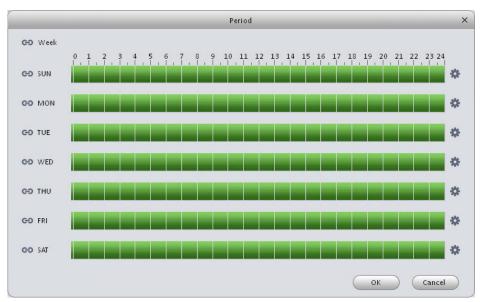
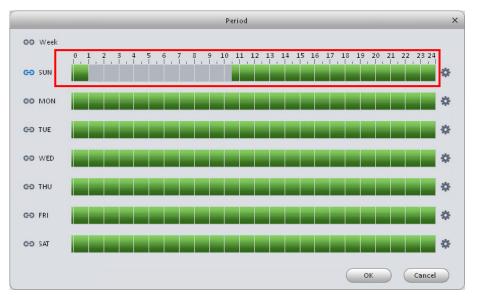


Figure 3-31

		Period			×
Period1	00:00:00	÷ —	23:59:59	÷ 🗸	
Period2	00:00:00	÷ —	23:59:59	× □	
Period3	00:00:00	÷ —	23:59:59	÷ 🗆	
Period4	00:00:00	÷ —	23:59:59	÷ 🗆	
Period5	00:00:00	÷ —	23:59:59	÷ 🗆	
Period6	00:00:00	÷ –	23:59:59	÷ 🗆	
SUN	MON TUE	WED [	THU 🔲 FRI	SAT	
		$\langle$	ок	Cancel	







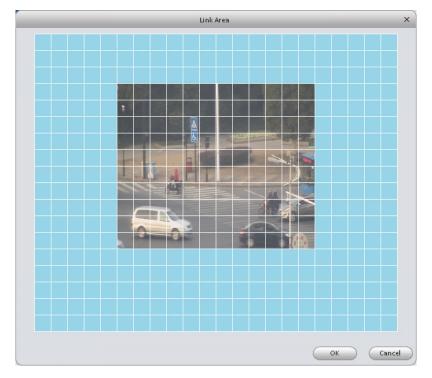


Figure 3-34

	PTZ Control		×
Channel 1	Preset 🔽	1	
		ок с	ancel

Please refer to the following sheet for detailed information.

Parameter	Function	
Enable	You need to check the box to enable motion detection function.	
Arm/disarm Period	Motion detection function becomes activated in the specified periods. See <i>Figure 3-30</i> .	
	There are six periods in one day. You can click to set ( <i>Figure 3-31</i> ) or use mouse to draw the corresponding period on the time bar directly ( <i>Figure 3-32</i> ).	
	Click <b>OK</b> 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 <i>Figure 3-33</i> . Click <b>OK</b> 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.	
	<b>Note:</b> you need to select auto record in Record-> record control	
Record Delay	System can delay the record for specified time after alarm stops.	
Upload To Cloud	Check if uploading 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 a specified time after an alarm stops.	
Show message	System can pop up a message to alarm you in the local host screen if you have enabled this function.	
Buzzer	Check the box here to enable this function. The buzzer will beep 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	Reserved.	

Parameter	Function
Tour	You need to check the box here to enable this function. System begins 1- window 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 <i>Figure 3-34</i> .
Video Matrix	This function is for motion detect only. Check the box here to enable video matrix function.

# Alarm

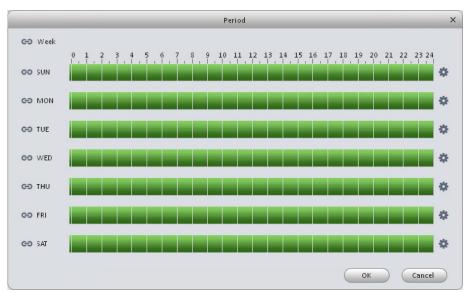
Before operation, please make sure you have properly connected alarm devices such as buzzer. The input mode includes local alarm and network alarm.

The local alarm interface is shown as in the following figure.

Figure 3-35

	Alarm Setting - 10.15.100.244 X
📄 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 Cloud	
📃 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 Cloud	
Show Msg	Send Email Alarm Upload Buzzer
Copy current configuration to	one Apply Save Cancel







		Period	×
Period1	00:00:00	23:59:59	÷ 🔽
Period2	00:00:00	23:59:59	÷ □
Period3	00:00:00	23:59:59	•
Period4	00:00:00	23:59:59	•
Period5	00:00:00	23:59:59	•
Period6	00:00:00	23:59:59	÷ □
SUN	MON TUE	WED THU FR	SAT
		ОК	Cancel

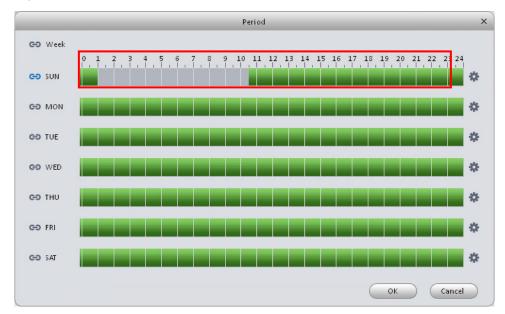




Figure 3-39

	PTZ Control	×
Channel 1	Preset 🔻	1
	Ок	Cancel

Please refer to the following sheet for detailed information.

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 3-36.

Parameter	Function				
	There are six periods in one day. You can click to set ( <i>Figure</i> 3-37) or use mouse to draw the corresponding period on the time bar directly (Figure 3-38).				
	Click OK button, system goes back to alarm interface, click <b>OK</b> button to exit.				
Anti-dither	System only keeps one event in record during the anti-dither period. The range of anti-dither is 0~600s.				
Device (Sensor) type	There are two options: NO/NC.				
Record Delay	System will continue alarm recording for a specified time after an alarm stops.				
Output delay	System will keep alarm output for a specified time after an alarm stops.				
Record channel	If this parameter is selected, local alarm recording is enabled on the corresponding channel.				
	<b>Note:</b> you need to select auto recording in Record-> record control				
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 enable 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 enable this function, system can send out an email to alert you when an alarm occurs.				
SMS	Reserved.				
Tour	You need to check the box here to enable this function.				
Snapshot	If you select this parameter, then the channel should be configured with alarm snapshot function.				
PTZ Activation	Here you can set PTZ movement when alarm occurs. Such as go to preset X. See Figure 3-39.				

# Abnormality

It includes six abnormal types: No storage device, no space, storage device error, net offline, IP conflict and MAC conflict. See *Figure 3-40* through Figure 3-45.

		Abnormality - 10.15	5.100.244			×
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 📃 SMS	
IP Conflict						
Mac Conflict						
				Apply	Save	Cancel

		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	Cancel



		Abnormality - 10.1	5.100.244			×
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 C	Cancel

Figure	3-43
--------	------

		Abnormality - 10.15.100.24	14		×
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	nd(1~300)		
Mac Conflict	Show Msg	📃 Send Email	Buzzer	SMS	
			Apply	Save C	Cancel



		Abnormality - 10.15.100.244	1		×
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 Secon	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 Ca	ancel

Figure 3-	45
-----------	----

-		Abnormality - 10.15.100.24	4		×
No storage device	✓ Enable				
No Space	📄 Alarm Output	1 2 3			
Storage device error	Output Delay	10 Secon	nd(1~300)		
Offline	Show Msg	📄 Send Email	🔲 Buzzer	SMS	
IP Conflict					
Mac Conflict					
			Apply	Save	Cancel

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 enable 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 will beep when an alarm occurs.
SMS	Reserved.

# **Record/Storage**

# Schedule

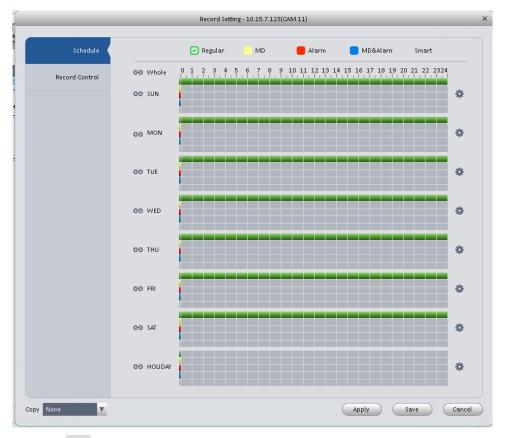
Record setup includes record plan and record control.

- Record plan (schedule): Record during the setting 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.

#### Figure 3-46



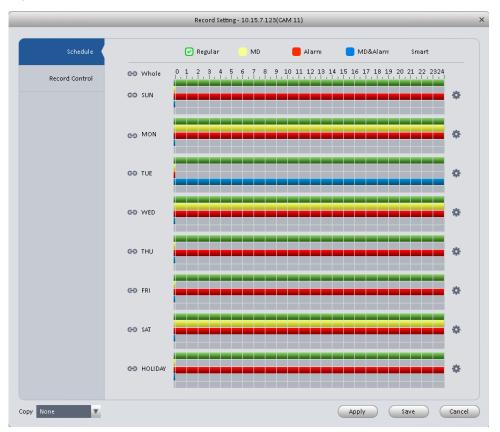
2. Click button after corresponding date, you can see an interface shown as below.



Rec Plan							×		
					Regular	Motion	Alarm	MD&Alarm	
Period1	00:00:00	÷ —	23:59:59	÷	V				
Period2	00:00:00	÷	23:59:59	÷					
Period3	00:00:00	÷	23:59:59	÷					
Period4	00:00:00	÷	23:59:59	÷					
Period5	00:00:00	÷ —	23:59:59	÷					
Period6	00:00:00	÷	23:59:59	÷					
C Whol	e								
🔲 SUN	MON	TUE	WED	TH	IU 📃	FRI 📃	SAT	HOLIDAY	
							ок	Cancel	

Set record period and check the box to select record type. Click OK button, now you can see an interface shown as in the following figure.





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.

# <sup>©</sup> Tips

Choose the channel that you need to copy the same setting from the Copy dropdown list, and then click save button to copy current setup.

#### **Record Control**

It is for you to set record control mode.

### Figure 3-49

		Record Setting - 10.15.7.123(CAM 11)	×
Schedule	Pre-Record	4 <b>S</b> (0*30)	
Record Control	Main Stream	⊙ Schedule ○ Manual ○ Stop	
	Sub Stream	🔿 Schedule 🔿 Manual 💿 Stop	
Copy None		Арріу	Save Cancel
			)

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.

# Disk

### Local Store

The local interface is shown as in the following figure. Here you can save data to local SD card or HDD.

# Figure 3-50

		Disk Manager - 10	15.120.111(CAM 2)			
	_					
Local Store	Device Name	HDD Operation	Disk Type	State	Free/Total Space	
	Disk 1	Set as read-write di	Read-Write	Normal	0G/1862.88G	
Remote Store						
					Can	cel

### Remote store

It is for you to upload data to a FTP server.

r		Disk Manager - 10.15.22.100	×
Local Store	🔲 Enable		
Remote Store	* Host IP	10.15.12.16	
	* 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 Cano	el

# Maintenance

## Maintenance

### Host

Here you can set system time, date format and record period, etc.

Figure 3-52						
		Maintenance - 10.15.22.1	00	_	_	×
Local Setup	Device Name					
Date&Time	Device No					
R\$232	Language Video Standard	v v				
Auto Maintenance	Pack Duration		minute(0~120)			
Version	When disk is full	Stop Record 🗸 🗸				
			(	Apply	Save	Cancel

Parameter	Function
Device name	It is to set device name.
Device No.	When you are using the remote control to manage multiple devices, you can set a number for the device.
	Before the operation, please make sure you have clicked address button on the remote control and input the number for current device.
Language	You can select the language from the dropdown list.
	<b>Note:</b> 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 overwrite.
	Stop recording: If current working HDD is full while there is also no space in the next HDD, then system stops recording.
	Overwrite: If the current working HDD is full while there is also no space in the next HDD, then system overwrites the previous files.
Pack duration	Here is for you to specify record duration.

### Date & Time

The Date & Time interface is shown as in the following figure.

# Figure 3-53

		Maintenance - 10.15.22.100	×
Local Setup			
Local setup	Date Format	YYYY-MM-DD	
Date&Time	Time Format	24-H V	
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 V 1 V 00:00:00 📩	
	NTP		
	Time Zone	GMT+08:00	
	NTP Server	time.windows.com	
	Port	123 (1-65535)	
	Update Period	60 Minute(0-65535)	
		Apply Save	Cancel

Please refer to the following sheet for detailed information.

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 takes effect after you set.
Sync PC	You can click this button to set the system time as your PC's current time.
DST enable	Here you can set begin and end time of daylight saving time. You can set according to the date format or 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.

#### RS232

The RS232 interface is shown as in the following figure.

# Figure 3-54

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

Please refer to the following sheet for detailed information.

Parameter	Function					
СОМ	You can select the COM port from the dropdown list.					
Function	<ul> <li>There are various functions for you to select.</li> <li>Console is for you to use the COM or mini-end software to upgrade and debug the device 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.					

#### Auto Maintenance

Here you can set auto-reboot time and auto-delete old files function. You can set to delete the files for the specified days.

### Figure 3-55

	Maintenance - 10.15.22.100 X					
Local Setup	Auto Restart	Tuesday 🗸 00:00 👗				
Date&Time	Auto Delete Files	Never				
R\$232		Restart				
Auto Maintenance (						
Version						
		Apply Save Cancel				

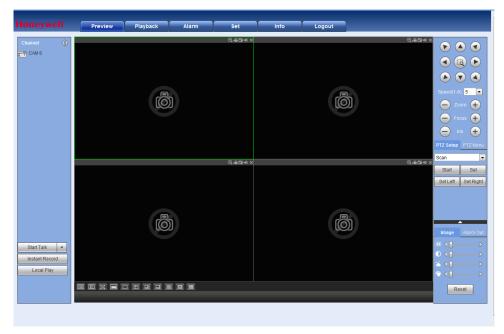
#### Version

Version interface is shown as below.

oneywell	HOME PAGE	& # - D
🏶 Basic		
Tile	HDCS HDCS	
🖄 Alarm	Version No.: V5.3	
Version	Built Date: 2016-04-14	

# WEB

Click the WEB button to go to the WEB of the device.



# **Alarm Setup**

# Set Alarm Scheme

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

1. Click the icon in the Settings pane, you can go to alarm configuration interface.

lone	eywe	номе р		DEVICE CFG	DEVICES	+ ADD	A = - 0
Add		elete Impor	t Export				
	State	Name			Description		Operation

- 2. Set alarm sources.
  - a. Click button in Figure 3-65, system goes to alarm sources setup interface. See Figure 3-66.
- 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	V	Enable when create
1 Alarm sources	Alarm Type Camera Masking	V			
2 Alarm link	Input search criteria	No.	Channel	Alarm Type	Operation
3 Schedule	■         Default Group           ↓         1015.102.44           ■         ↓           ■ <td>1</td> <td>10.15.100.25/Channel 1</td> <td>Camera Masking</td> <td>×</td>	1	10.15.100.25/Channel 1	Camera Masking	×
				Next	Cancel

b. Click Alarm Link on the left pane or click next button in Figure 3-66, you can go to the following interface. Please check the trigger channel in Figure 3-67 and alarm output channel in Figure 3-68.

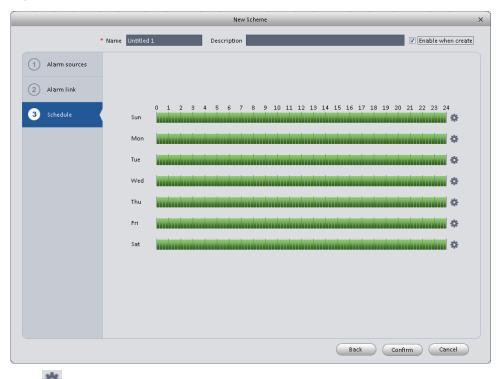
		New Scheme					×
	* Name Untitled 1	Description	_	-	-	📝 Enable	when create
1 Alarm sources	Channel Alarm Out						
2 Alarm link	Input search criteria	Link Channel 10.15.120.111/CAM 2	Push Video	Record	Preset N/A	Stay Time(s)	Operation
3 Schedule	<ul> <li>→ 10.15.182</li> <li>→ 10.15.100.244</li> <li>→ 10.15.100.25</li> <li>✓ 10.15.100.25</li> <li>✓ 10.15.22.100</li> <li>10.15.22.100</li> <li>10.15.22.100</li> <li>10.15.5.122</li> <li>→ 10.15.5.245</li> <li>→ 10.15.5.245</li> <li>→ 10.15.5.245</li> <li>→ 10.15.5.265</li> <li>→ 10.15.6.85</li> <li>→ 10.15.6.85</li> <li>→ 10.15.6.85</li> <li>→ 10.15.7.141</li> <li>→ 10.15.7.141</li> <li>→ 10.15.7.141</li> <li>→ 10.15.9.168</li> <li>→ 10.15.7.141</li> <li>→ 10.15.7.141</li> <li>→ 10.15.7.141</li> <li>→ 10.15.7.141</li> <li>→ 10.15.7.148</li> <li>→ 10.15.9.168</li> </ul>	10.15.120.111) CAM 2			N/A	20	~
			(	Back		Next	Cancel



		New Scheme			×
•	Name Untitled 1	Description	_	📝 Enable when	create
1 Alarm sources	Channel Alarm Out				
2 Alarm link	Input search criteria	Link Out	Auto Start	Stay Time(s) Op	eration
	🖃 🔳 🗁 Default Group 📃 🔔 10.1.1.71	10.15.22.100/AlarmOut1	Yes	20	
3 Schedule	10.15.1.82 10.15.100.244	10.15.22.100/AlarmOut2	Yes	20 🗙	
	<ul> <li> <ul> <li>■ 10.15.100.25</li> <li>■ 10.15.100.11</li> <li>■ 10.15.22.100</li> <li>✓ ▲ AlarmOut1</li> <li>✓ ▲ AlarmOut2</li> <li>● AlarmOut3</li> <li>● AlarmOut4</li> <li>● AlarmOut5</li> <li>● AlarmOut5</li> <li>● AlarmOut6</li> <li>● AlarmOut8</li> <li>■ 10.15.2.22</li> <li>● AlarmOut8</li> <li>■ 10.15.5.157</li> <li>■ 10.15.5.157</li> <li>■ 10.15.5.157</li> <li>■ 10.15.5.157</li> <li>■ 10.15.5.157</li> <li>■ 10.15.5.83</li> <li>■ 10.15.5.63</li> <li>■ 10.15.6.83</li> <li>● 10.15.6.84</li> <li>● 10.15.6.84</li> <li>● 10.15.6.84</li> <li>● 10.15.6.85</li> <li>■ 10.15.6.84</li> <li>● 10.15.6.84</li> <li>● 10.15.6.84</li> <li>● 10.15.6.84</li> <li>● 10.15.6.85</li> <li>● 10.15.6.84</li> <li>● 10.15.6.84</li></ul></li></ul>				
			Back	Next Canc	el

Click Period button on the left pane or click next button in Figure 3-67, you can go to the following interface. See Figure 3-69.





Click after a date to set alarm activation period. There are six periods in one day. See Figure 3-70. Click OK button to exit.

	Scher	ne Tirr	ne Setup		×
Period 1	00:00	÷	_	23:59	Å
Period 2	00:00	Å		00:00	Å
Period 3	00:00	Å.		00:00	Å
Period 4	00:00	Å.		00:00	Å
Period 5	00:00	÷.		00:00	Å
Period 6	00:00	÷.		00:00	Å
🔽 Sun	Mor	n	Tue	🗖 We	ed.
📃 Thu	📃 Fri		📃 Sat		
			ок	Cance	

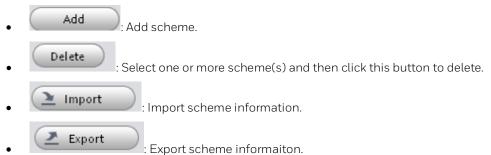
Click OK button, you can view the scheme information on the alarm setup interface.

# ≜ = = × HOME PAGE DEVICE CFG Honeywell + ▲. DEVICES ADD Add Delete Import Export All State Name Description Operation 🗖 1 🛛 On Testing Testing / × 😃

# Enable/Disable/Export Scheme

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

- 📕: Delete current scheme.
- Uisable current scheme.
- 😃 : Enable current scheme.



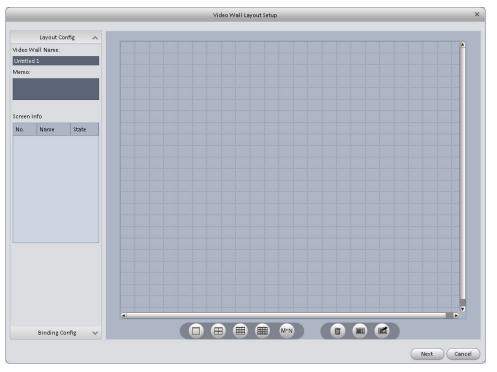
# **Video Wall Configuration**

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

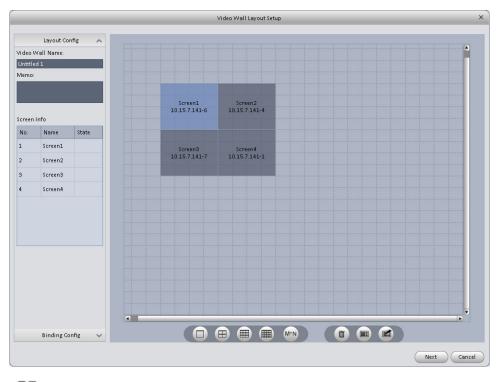


1.

, system goes to video wall setup interface.



- 2. Config video wall.
  - a. Enter video wall name and description.
  - b. Click E E E MM, select layout such as 1\*1, 2\*2, 3\*3, 4\*4 or M\*M. Click screen to draw video wall physical layout.



# D Note

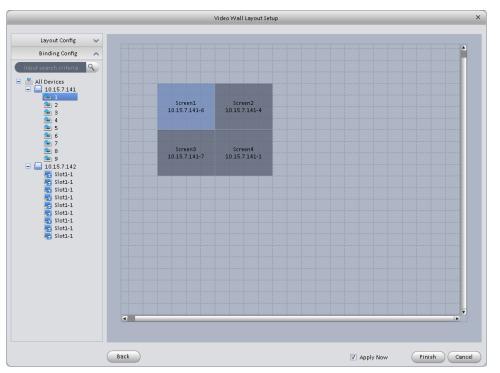
Select a screen and right click to select rename or delete, you can rename screen name or delete a

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.





4. Check the box to enable setup immediately and then click Finish button; you can see an interface shown as in Figure 3-75.

Hon	eywell	HOME PAGE	VIDEO WALL	ALARM CFG	DEVICE CFG	DEVICES	+ ADD	A #	- = ×
Add Vide	eo Wall De	elete							
	State	Name	1	Memo		Operation			
1	Enable	тν							
								Selected/T	otal: 0/1

In Figure 3-75, 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 to remove. Click, you can change video wall on/off setup.

# **Tour & Task**

It is to realize monitor tour among different windows. Please follow the steps listed below to set.



Click icon \_\_\_\_\_\_ in the Settings pane, you can go to monitor tour interface. See Figure 3-76.

#### Figure 3-69

loneywell	HOME PAGE	VIDEO WALL ALARM CF	FG DEVICE CFG	+ v	≗ ≞ - ⊡ ×
Set and enable channel	groups for a tour task which can be	e enabled on the liveview interfac	e. You can drag to sort these	groups.	
+					
Click	button to ad	d task interface	. See Figure 3	8-78.	
Input task nar	ne, stay time.				
Click		16	25 36	64	at the bottom of
interface to se	elect window layo	out.			

• Drag channel(s) on the right pane to the windows on the left pane. See Figure 3-77.

	Tour Setup	×
Task 1 Task1 Stay Time 1	0 (s)	Device
No KED	2014 02 08 14 45 22 No HDD	Input search criteria     Default Group     10.15.6.108     10.15.7.13     10.15.7.15     CAM 1     CAM 1     CAM 2     CAM 4     CAM 4     CAM 5
CAM 2 2014 62 0E 14 45 22 No HDD	CAM 6 2014-C2-08 14 42 09	CAM 6 CAM 7 CAM 7 CAM 8 10.15.7.75 □ 10.15.7.81 CAM 1 CAM 2 CAM 3 CAM 3 CAM 5 CAM 6 CAM 6 CAM 6 CAM 6
	CAM 6	CAM 8 CAM 9 CAM 10 CAM 11 CAM 12 CAM 12 CAM 12 CAM 14 CAM 14 View View View
	16 25 36 64 Add More	Save Cancel
lick Save button to sav	re current setup.	
🚰 Tips		
Click Add More to save cu	rrent task setup and add more ta	sks at the same time.
You can go to the main interfa	ce and then click Liveview buttor	(Contraction) to go to the fo

interface. See Figure 3-78. Click 🚺 at the bottom of the interface to enable the tour task.



#### Figure 3-71

# **4 Basic Operation**

## Liveview

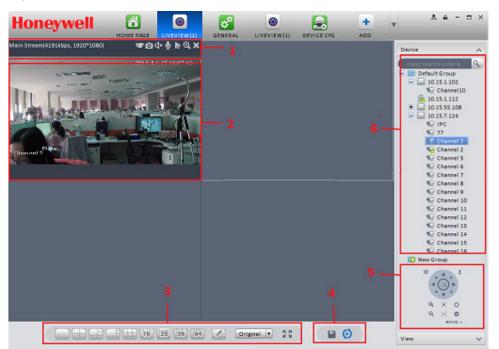
## **Real-time Liveview**

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



On the main interface, click in the Basic pane, you can go to the liveview interface.

#### Figure 4-1

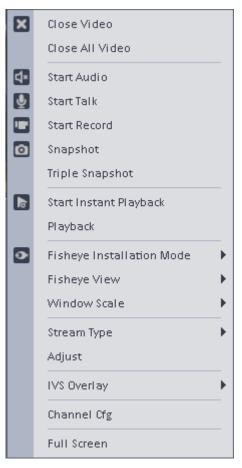


Please refer to the following sheet for detailed information.

SN	Item	Function
1	Bit stream information and shortcut operation menu	<ul> <li>Please refer to the following contents for detailed information.</li> <li>Image: Enable/disable local record.</li> <li>Image: Snapshot.</li> <li>Image: Enable/disable audio.</li> <li>Image: Enable/disable bidirectional talk.</li> <li>Image: Instant playback.</li> <li>Image: Digital zoom</li> <li>Image: Close current window.</li> </ul>
2	Video window	Real-time video
3	Window split mode	<ul> <li>It is to set 1-window to 64-window mode.</li> <li>Select a window and then click this button to customize its setup.</li> <li>Original : Adjust video scale.</li> <li>Full screen.</li> </ul>
4	Intelligent button	<ul> <li>Save current liveview window-split mode. You can directly recall the window-split mode under View function as below.</li> <li>View</li> <li>view</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 or fisheye camera series product only. Here you can set camera direction, zoom in, zoom out, and iris, 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 into it. Right click a channel, you can select main stream/sub stream or go to the device setup interface.

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 and extra stream.

Right click liveview window, you can see an interface shown as in the following figure.



Please refer to the following sheet for detailed information.

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

ltem	Function
Fisheye installation mode	Adjust fisheye installation mode. It includes: ceiling mount, wall mount and ground mount.
Fisheye view	Adjust fisheye view mode.
Window scale	Adjust window scale.
Stream type	Switch between main stream and sub stream
Adjust	Set video brightness, contrast, hue and saturation.
Channel setup	Go to the channel setup interface (chapter 🔲).
Full-screen	Switch to full screen mode. You can double click video window or right click mouse and then select exit full screen or press Esc to exit.

#### 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 🛄 at the top of the video window to record.

The icon will become unit when device is recording.

You can right click mouse to select stop record or click <sup>1</sup> at the top of the video window to stop record.

The default record save path is C:/Program Files/HDCS/HDCS/Record. Here you can go to chapter 3.3 General to check the path and select file setup icon to modify picture save path.

## 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. Snapshot dialogue box will pop up. See Figure 4-3.

## <sup>©</sup><sup>\_\_\_</sup> Tips

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

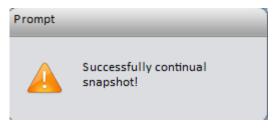


- 2. Please select corresponding parameter from the snapshot reason dropdown list and then input the information in the remark area.
- 3. Click save button, you can see "Successfully saved snapshot!" message box.

On the Liveview window, right click mouse and then click Triple snapshot, you can snap three pictures at one time. You can see the dialogue box shown as Figure 4-4 if the snapshot succeeds.

The default picture save path is C:/Program Files/HDCS/HDCS/Capture. Here you can go to chapter 3.3 General to check the path and select file setup icon to modify picture save path.

#### Figure 4-4



#### PTZ

If it is PTZ or fisheye camera, you can use PTZ function.





Please refer to the following sheet for detailed information.

ltem	Function
	Click to go to the PTZ menu. See as below.
PTZ menu	Open Menu Close Menu
Mouse simulator	Click , you can use your mouse to move camera direction.
Direction buttons	Set camera movement direction. There are total 8 directions. Top/bottom/left/right/top left/top right/bottom left/bottom right.
Zoom	Set control speed dome to realize zoom function.
Focus	Adjust lens focus focal.
lris	Adjust image brightness.

ltem	Function
Step	Control PTZ movement speed. It supports value 1 to value 8.
	There are 128 presets by default.
Preset	You can set camera to a specified preset.
Treset	Use direction keys to move the camera to your desired location and then input preset value. Click Set button for setting the preset.
Tour	This function allows the camera to move among several presets.
Horizontal rotate	Enable horizontal rotate function.
Scan	Set two boundary positions 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	Set aux positioning.

#### 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 4-5, use direction keys to move the camera to your desired position.
- 2. Click T dropdown list, select preset; click and click T dropdown list. Select one number within 1~128.
- 3. Click **v** to finish the setup.

#### Tour

This function allows camera to go among several presets.

#### Important

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

#### Tour setup

1. In Figure 4-5, select Tour from the dropdown list and then click we button. See Figure 4-6.



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

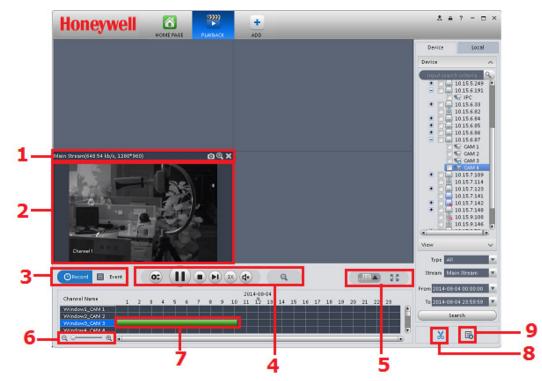
- 2. Input tour number and tour name.
- 3. Select preset number from the dropdown list and input stay time.
- 4. Click button to add one preset to the tour. Select another preset number from the dropdown list and then click Add button again to add more presets to the tour.
- 5. Click OK button to complete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

## Playback

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



in the Basic pane, you can go to the playback interface. On the main interface, click



SN	Item	Function
1	Shortcut operation column	There are shortcut operations to snapshot and zoom.          Image: Snapshot.         Image: Zoom in window         Image: Close current window.
2	Playback window	Playback display window
3	Mode	There are two playback modes: by time/by event.

SN	Item	Function
4	Playback tool bar	<ul> <li>It is to control the playback process, audio and etc:</li> <li>It is to control the playback process, audio and etc:</li> <li>Window sync operation button. When this function is enabled, the operation of the playback bar is for all windows. When it is in status, it is for current selected window only.</li> <li>It is to switch playback and pause.</li> <li>It is to switch playback and pause.</li> <li>Forward.</li> <li>It is to control the playback speed.</li> <li>It is to adjust volume.</li> <li>Motion detect video search.</li> </ul>
5	Window display mode setup	<ul> <li>Set window split mode. The value ranges from 1-window to 36-window.</li> <li>Select a window and then click this button to realize customized setup.</li> </ul>

		• Full screen.
6	Time bar control	Zoom in /zoom out timeline.
7	Time bar	Playback time process.
8	Time clip	Edit the timeline to download the specified records.
9	Export process	Export the records of the specified period.

customized setup.

## **Playback Device Record**

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

- 1. In Figure 4-7, click Device button on the upper right interface.
- 2. Check a channel (or more channels) on the device list on the top right pane.
- 3. Select record type, stream type, record start time and record end time.
- 4. Click Search.

Honeywell	+	_	1 = ? - 0 ×
	• • •	i	Device Local Device 0 15 100 24 4 0 10 15 200 24 4 0 10 15 20 21 0 10 15 22 10 0 10 15 22 10 0 10 15 22 10 0 10 15 22 10 0 10 15 22 10 0 10 15 22 10 0 10 15 22 10 0 10 15 20 10 0 10 10 0 10 10 0 10 10 0 10 10 0 10 10 0 0 10 0 0 10 0 10 0 1
Channel Name Channel Name Window3, Channel 1 Window3, Channel 1 Window3, Channel 1 Window3, Channel 1 Window3, Conf. Ing. Window4, Colf 5 Q. (1)	-0604 12 13 14 15 16 17 1		Type         All         Type           Stream         Main Stream         Type           Frem         2014-08-04-00.00.00         Type           To         2014-08-04-23.555.59         Type           Search         Type         Search

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

#### Figure 4-9

Channe	nel Name						2014-	-08-02					
		6	7	8	9	10	11	* 12	13	14	15	16	1'
	low1_Channel 1 low2_conf_img		_										P
	low2_conr_mg. low3_CAM 5					II I.							
	low4_conf_img												
Q, -(	)												Þ
9.	Click		to pla	ay mot	ion det	ectio	n in vid	eo winc	dow.				
-	: Re-s	elect r	notio	n dete	ction a	ea.							
Ċ	: Exit.												

## **Playback Local Record**

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

In Figure 4-7, click Local button on the right pane.

- 1. Check a channel (or some channels) on the device list on the top right pane.
- 2. Select record start time and end time.
- 3. Click Search on the left bottom to search. You can see the below dialogue box if there is no record.

Pr	ompt	
	There are no records!	
4.	Now you click to playback record	d.

## Export

There are three ways to select export records.

- In Device record interface, select periods on the timeline and then click to export records.
- In Record event interface, select record type and then click to export records.
- In Local record interface, check the records first and then click it to export records.

You can see the export interface is shown as in Figure 4-11. Select the corresponding export path and then click OK button to export. For the Export Format, here you can choose original video format or AVI. Check the below Export Smart Player box to download and install Smart Player if you need.

#### Figure 4-11

	Export S	Getup	×
Path	\HDCS\HDCS\R	lecord\DownLoad	Browse
Export Format	AVI		
🔽 Export Sma	rt Player		
Free Space: 6	9303MB	ОК	Cancel
- 			15 A

You can click 🖤 to view exporting and exported file list.

## **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 to set an alarm scheme first.



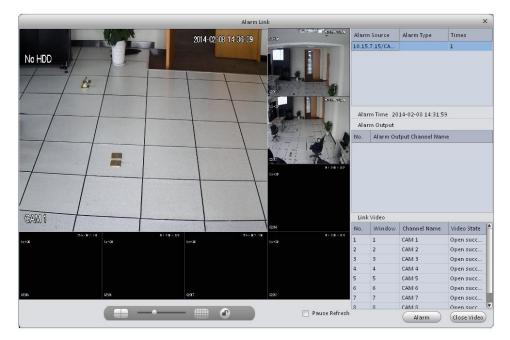
in the basic pane, you can go to Alarm manager interface.

Figure 4-12

10	neywe	HOME PAGE	ALARM	+ ADD	_	_	*	. = ? - ⊡
Pending	g/Processed	0 0			🖂 Disp	lay Link Video	📋 Display Overlay Window	📄 Pause Refres
Na.	State	Alarm Type	Time		Event Type	Device	Channel	

If you have set alarm activation video function in your alarm scheme setup (Set Alarm Scheme), alarm message will instantly display on video window. See Figure 4-13.

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.



## Log

Log interface is shown as in Figure 4-14.

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

51	tart Time 2014-08-01 00:00:00		▼ EndTin	e 2014-08-01 23:59:5	9	×	Search
	Log Type System Log 💌 🗚	ii .	<ul> <li>Key Word</li> </ul>	in			
Backu	4						
N D.	Time	A User Name	Event Type	Device Name	Channel Name	Remarks	
L	2014-08-01 09:53:34	admin	User Login				
2	2014-08-01 11:22:41	admin	User Logout				
5	2014-08-01 11:23:44	admin	User Login				
•	2014-08-01 11:24:15	admin	User Logout				
5	2014-08-01 11:24:31	admin	User Login				

# **5** Extension

## Video Wall

Video can be output on video wall if video wall configuration is set. You can follow below steps to set.



1. Click icon on the main interface, you can go to the following interface.

#### Figure 5-1

Hon	eywell			
Screen Info		Task Name N/A	Tesk Manager Allocate Device	😨 Real-time Mode
	Unbounded	i Decoder 📑 —	모 Unbounded Decod	Channel4 Channel5 Channel6 Channel7 Channel8
	Unbounded	l Decoder	Unbounded Decod	2 Channel9 Channel10 Channel10 Channel11 Channel12 Channel14 Channel14 Channel15 Channel16 Channel17 Channel17 Channel18 Channel18
		16 V*		Preview
in.	Window	Channel Name Stay Time	Stream Type Operation	
	3		4	
				Save Apply

SN	ltem	Function
1	Video window	When connected to NVS: Video window is fixed, cannot be dragged.

2	Video channel	Video channel to select.
3	Video open window	When connected to NVS: Select one video window, click
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 display.</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 video to the video wall after you complete the setup. Otherwise, it does not output video to the video wall.
- 3. Drag the channel on the right pane to the corresponding screen and then binding.
- 4. You can view details of binding video in Internet Explorer.
  - 1) In IE, input NVS device's IP address.
  - 2) Download web service pack.
  - 3) After downloading completes, system pops up login interface. See Figure 5-2.

#### Figure 5-2



4) Input username and password, then click Login to view details of binding video source.

Please refer to the device user manual for the information of default username and password.

5. Click Save button, system will pop up a dialogue box for you to input task name.

#### 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 status or whether to modify or delete current task.

## 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 cannot edit it. On the Edit e-map interface, you can edit e-map, add camera and etc.

## Add E-map

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

Figure 5-3									
Honeywell	HOME PAGE	E-MAP	+ ADD	_	2	 ?	-	•	×
		No main map,	elickAddi 🔶 Add Map						

Click Add Map button, the interface is shown as in the following figure.

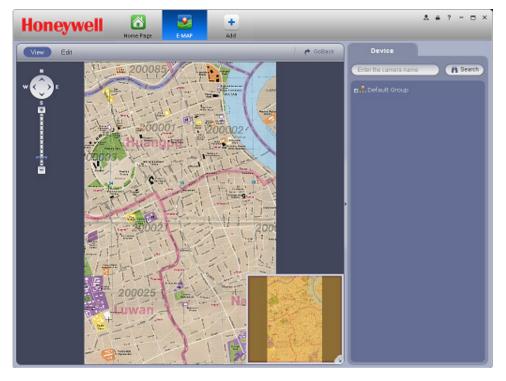
Please input e-map name and then select e-map picture. You can input some reference information in Describe text box if necessary.

Figure 5-4

File
Save Cancel

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

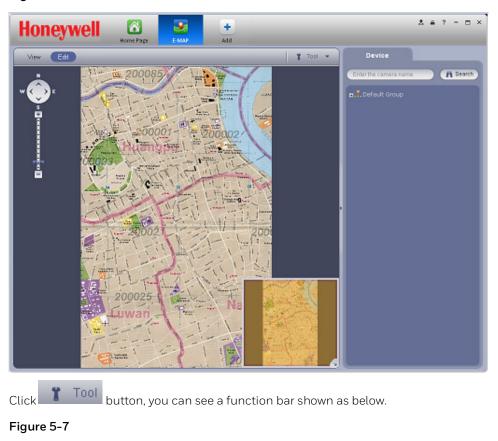
#### Figure 5-5



## Edit E-map

Click Edit , you can go to the following interface. Click Tools, you can edit e-map, delete e-map, delete device, add area, modify area and delete area ,etc.

Drag a channel on the right pane to the e-map; you can add one device to the e-map.





Edit Map
Del Map
Del Device
Add Area
Edit Area
Del Area

Please refer to the following sheet for detailed information.

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

## **Liveview E-map**

After you edit 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.

#### Figure 5-8





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## Honeywell Security Products Americas (Head Office)

2700 Blankenbaker Pkwy, Suite 150 Louisville, KY 40299, USA www.honeywell.com/security 🕾+1 800 323 4576

#### Honeywell Security Europe/South Africa

Aston Fields Road, Whitehouse Industrial Estate Runcorn, WA7 3DL, United Kingdom www.honeywell.com/security/uk \$\approx +44 (0) 1928 754 028

#### Honeywell Security Products Americas Caribbean/Latin America

9315 NW 112th Ave. Miami, FL 33178, USA www.honeywell.com/security/clar ☎ +1 305 805 8188

#### Honeywell Security Asia Pacific

35F Tower A, City Center, 100 Zun Yi Road Shanghai 200051, China www.asia.security.honeywell.com ☎ +86 21 2219 6888

#### Honeywell Security Middle East/N. Africa

#### Honeywell Security Northern Europe

Ampèrestraat 41 1446 TR Purmerend, The Netherlands www.honeywell.com/security/nl ☎ +31 (0) 299 410 200

#### Honeywell Security Deutschland

Johannes-Mauthe-Straße 14 72458 Albstadt, Germany www.honeywell.com/security/de ☎ +49 (0) 7431 801-0

#### Honeywell Security France

Immeuble Lavoisier Parc de Haute Technologie 3-7 rue Georges Besse 92160 Antony, France www.honeywell.com/security/fr ☎ +33 (0) 1 40 96 20 50

#### Honeywell Security Italia SpA

Via della Resistenza 53/59 20090 Buccinasco, Milan, Italy www.honeywell.com/security/it ☎ +39 (0) 2 4888 051

#### Honeywell Security España

Avenida de Italia, nº 7, 2ª planta C.T. Coslada 28821 Coslada, Madrid, Spain www.honeywell.com/security/es 🕾 +34 902 667 800

#### Honeywell Security Россия и СНГ

## Honeywell

#### www.honeywell.com/security

+1 800 323 4576 (North America only)

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