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Thank you for purchasing our products, if you have any questions or need, please feel free to contact us. This manual applies to ZW-NVR1904HD-X3, ZW-NVR1908HD-X3, ZW-NVR1916HD-X6, ZW-NVR1925HD-X6 Series Network NVR.

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This manual may contain technical inaccuracies, or product features and operation of the place do not match, or typographical errors. This manual will be updated according to enhance product features, and will be regularly updated product or process improvements or described in this manual, updated content will be added in the new version of this manual without notice.

Chapter 1 Safety Precautions

Be sure to observe the following precautions when using this product:

Not place objects filled with liquids (such as glass) on NVR.

NVR will be placed in a well ventilated location.

Make the NVR work within the allowable temperature and humidity range.

NVR dust inside the circuit board can cause a short circuit in the damp, regularly with a soft brush on the circuit boards, connectors, chassis and chassis fan to remove dust.

Battery is incorrectly replaced explosion hazard, do not recommend users to directly replace; For replacement, only to be replaced with the same type or equivalent type of battery.

When installing, be sure to turn off all power to the device.

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Chapter II Products

2.1 Functionality

- Each channel supports dual stream compression, in which the main stream up to FULL HD (1920x1080) resolution, sub stream supports up to D1 resolution.
- Video coding parameters independently adjustable for each channel, including resolution, frame rate, bit rate, image quality, image parameters, ISP parameters.
- Each channel supports two sets of normal and event compression parameters, and the local sub-stream compression configuration parameters.
- Supports composite stream and video stream encoding, composite stream encoding audio and video synchronization.
- ? support HD 1080P video output.

Realtime Monitoring

- Support HDMI, VGA output simultaneously.
- Support HDMI high-definition display, the highest resolution of 1920x1080P; supports high-definition VGA display, the highest resolution of 1920x1080P.
- Support 1,1 / 4,1 / 6,1 / 9,1 / 16,1 / 25-screen preview, adjustable preview channel order.
- Support preview packet switching, manual switching or automatic polling preview, automatic polling cycle can be set.
- maskable specified preview channel.
- Support video privacy cover.
- Support video motion detection, video loss detection.

Store

- ZW-NVR1904HD-X3, ZW-NVR1908HD-X3 maximum support two SATA hard drives, ZW-NVR1916HD-X6, ZW-NVR1925HD-X6 maximum support 10 hard disks
- Based on user configuration and policy (for example, through the alarm and timer settings) via the appropriate tone for remote network transmission
- equipment, video data stored centrally on a NVR.

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Backup

- Support for backup via USB interface
- Support for external SATA burner for backup
- Supports remote backup over the network
- Backup support playback for editing
- Video / Capture Image and Playback
- ? support write cycle and acyclic write modes.
- Support normal and event compression parameters.
- video trigger modes include manual, schedule, alarm, motion detection.
- ? When support for local playback on any area of electronic amplification.
- Support video file rewind.
- supported by channel number, video type, file type, and other conditions incident to retrieve and playback of video data.
- ? support HD 1080P, D1 real-time video.
- Supports local playback backup file。

Alarm & Exception

- ? support arm time alarm input / output settings.
- Support video loss alarm, video motion detection alarm, video tampering, unauthorized access to alarms, network disconnection alarm, IP conflict warning, hard disk error and hard disk full alarm.
- various alarm can trigger pop-up alarm screen, sound warning, send messages, trigger the alarm output and preview prompts alarm warning sound can trigger a variety of abnormalities, send messages and trigger the alarm output.
- Support ago after police videos and police videos
- support linkage PTZ settings and automatic cruise corresponding channel, track
 Others
- The user can through the front panel buttons, mouse, remote control, keyboard and other special operations.
- If three privileged user management, the administrator can create multiple operating users and set their permissions, the permissions can be refined into the channel.

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- Complete operation, alarm, abnormal and information logging and retrieval.
- Support alarm triggered manually cleared.
- Support for importing device configuration information / export operation

Network

- Support TCP / IP, DHCP, PPPoE, NTP and DDNS protocol;
- Support IE browser for remote preview
- supports remote access and configuration parameters, support for export and import remote device parameters
- ? supports remote access to equipment operating status, system log and alarm status
- Support remote format the hard disk, upgrade, reboot the system, such as maintenance operations
- ? supports RS-485 transparent channel transmission
- Support remote PTZ control
- ? supported by IOS, Android mobile terminal for remote monitoring
- ? support the use of CMS to manage multiple devices through the Internet.

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Chapter III Operation reading

3.1 Front panel buttons and indicator

3.2 Rear Panel Interface Description

3.3 Mouse Operation

Note: If the mouse is not detected after the access, the mouse is generally not compatible with NVR lead, replace the mouse.

3.4 Remote control operation

The correct method of using the remote control : Before using the remote control , make sure the battery has been installed correctly . When using the remote control, the remote control infrared transmitter aligned NVR infrared receiver port , and then to operate. By default, the remote control can operate all the NVR can receive infrared signals. If you need to individually control a NVR , go to the "Main Menu " \rightarrow " System Configuration " \rightarrow " Basic Configuration" to see the device number of the device , and then on the remote control, press [Device] key , NVR will pop setting device address of the interface , and then enter to operate the NVR device number , and press [Enter] button on the remote control , you can use the remote control to operate the NVR . If the remote does not control , try again : Press [Device] key \rightarrow enter the device number \rightarrow press [Enter] key , if multiple attempts can not control , check for the following reasons :

- 1, check the battery 's positive and negative polarity;
- 2, check the battery power is exhausted ;
- 3, check whether the remote control sensor is blocked;
- 4, in the vicinity of whether the use of fluorescent lamps.
- After excluding the above, if does not work, replace the remote control; If still not working properly, please contact the supplier

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3.5 Input Method Description

		1	z	3	4	5	6	7	8	9	0		<-
T (N T (1 - 1		q	w	e	r	t	У	u	T	o	р		
Input Method		a	s	d	1	g	h	j	k	1			
Shift	English-sensitive switcl	Shift	z	×	c	v	b	n	m	Pu	Up	Pd	١
Ctrl	IME conversion	Ctrl	t	1						Left	Down	Right	1
Pu	When Chinese input, pa	ge fo	orwa	rd									
Pd	When Chinese input, ba	ck fl	ip										



NVR Operating Instructions

C	System	n - Admin						
		۵	BASI	IC	Basic Date&Time D	DST		
Icon Explanation	1	4	PREVIEW	w [Device Name	\square	NVR	
		2	USE	n [Setting
ICON	Name	1	NETWOR	ĸ	Device ID	4	0	
Basic			ALARI	мŀ	Language	-##	English	<u> </u>
	Property Page		EXCEPTIO	N	Auto Logout	╨	Never	Input
2					Menu Transparency	Ι	Non-transparent	T
X	Events box	Events box		[Resolution		1024*768@60Hz	T
					Show Guide		×	
或	Box							
55 🔍	Drop-down box		SAVE&EX	ат ×ат				
Setting	Edit			Edit	table letters, words, s	sym	ibols	
ок	Button			Perf	form certain function lower level, the text i	ns o in t	r settings menu to enter prackets marked as	
				"Ap	ply"			

There are four commonly used function buttons in the menu, defined as follows:

Button	Function
Apply	Save menu parameter modification

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OK	Save menu parameter settings and return to the previous menu
Cancel	Give up the menu and return to the previous menu settings menu
C SAVE&EXIT	Save menu in the menu settings and return to the previous menu

3.7 Shutdown Description

Enter <Toolbars>, click icon , see below :



If necessary, check canceled, shutdown, restart, the pop-up system login dialog box, enter the administrator account and password, and click [OK] button to complete the log off, shutdown, restart operations.

Description:

1, the system prompts "The system is shutting down

...", please do not press the power ON key, or may not appear normal shutdown process.

2, the device is running, you should try to avoid direct power off (especially when it is recording) via the power switch on the rear panel.

3, the device is running, you should try to avoid direct unplug the power cord (especially when it is recording).

4, under certain circumstances, the power supply is not normal, it will cause the NVR is not working properly, may damage severe NVR. In such an environment, it is recommended to use regulated power supply.

С		Shutdown System - Admin		
n y	🗹 Log out	Shutdown	Ficboot	
ù			ок	Cancel

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ChapterIV Preview

4.1 Preview Menu

Preview interface, video, alarm status of each channel can be displayed distinguished by identifying the top right of each channel.

Icon	Status Description
	Normal Record
$\overline{\mathbf{O}}$	Motion Record
	Manual Record
<u> </u>	Alarm Record
	Audio preview
余	Set Motion Detect
*	Trigger Motion Alarm

4.2 Preview convenient operation

Right Show \ hide the toolbar, the main window preview mode, you can right-mouse shortcut menu can be electronic amplification, PTZ control, video control, manual drawings and other operations.

Preview shortcut menu



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	Main Menu		Single Screen			
	Four split-screen		Six split-screen			
	Nine split-screen		Sixteen split-screen			
	Twenty five split-screen	tl	Polling			
Ŗ	IP Channel control	Ð	Electronic amplification			
Q	PTZ	REC	Record Control			
	System Info	0	Snapshot			
	Playback		Backup			
	Shutdown		System - Admin			
4.3 Preview parameter settings						

The basic configuration settings preview

Enter Toolbars - <Main menu> - <System > - <Preview> - <Basic > Interface, set the audio preview, Alarm Display port, alarm screen switching time, switching time polling.

ster	m - Admin			
¥	BASIC	Basic Date&Time	DST	
	PREVIEW	Device Name	NVR	
	USER			Setting
2	NETWOOK	Device ID	0	
	NETHORA	Language	English	V
	ALARM	Auto Logout	Never	V
	EXCEPTION			Input
		Menu Transparency	Non-transparent	T
		Resolution	1024*768@60Hz	T
		Show Guide		
	SAVE&EXIT			

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Wheels tour map configuration

Enter <Toolbars> - <Main menu> - <System > - <Preview > - <Monitor> interface, setting the split mode, four-split screen mode, select a channel to close and open the drop-down list in the channel preview.

Note: In the beginning of polling state, set a good save immediately after entering the polling mode settings.



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4.4 Preview channel settings

After the preview screen to select a channel, click Enter the picture parameter setting interface

CAM01	CAMOR	CAM03	CAM04	CAM05
CAM06	CAM07	CAM08	CAM09	CAM10
CAMI1	CAM12	CAM13	CAM14	CAM15
CAM16	2013-13 CAM17	24 Tue. 17:28:41	CAM19	CAM20
CAM21	CAM22	CAM23	CAM24	CAM25
		ti 🗠 🔊	👱 🖽 😲 f	

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After entering the picture parameter setting interface can be set to various image parameters and ISP Parameters (Click the bottom right Enter the ISP parameter settings)

ChapterV Front-end device management

5.1 Front-end status display

Click on the preview screen Device status list into the distal end, as shown, the device can be observed connected device IP, port number, physical address, protocol, connection status information;

Press Can enter the picture parameter setting interface, as shown in Figure

NVR Operating Instructions

PressEdit to enter the login screer the device can address, user name password, port, and protocol fo

s inforn	nation;			74			
C				Front Device S	tatus		
	Camera	Device Address	Port	Physical Address	Protocols	Link Status	Operations
cture	1	192.168.1.8	6060	16:15:17:18:19:12	Private	Connect success	2 / 😣
wn in							
creen,				-			
name,							
l for							





Exit

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editing, as shown:

ress The device can be removed.	
ress The device can be removed.	
ss The device can be removed.	
ss The device can be removed.	
Password Free Port 5060 Protocols Private Portocols Private W0. Decirc Address 1 192.168.176 2 192.168.176 1 192.168.176 2 192.168.176 1 192.168.176 2 192.168.176 1 192.168.176 2 192.168.176 1 192.168.176 2 192.168.176 3 192.168.1757 4 192.168.1757 4 192.168.1757 4 192.168.1757 5 192.168.1757 6609 967.677.057 7 192.168.1759 9 192.168.1759 9 192.168.1759 9 192.168.1759 9 192.168.1759 9 192.168.1759 9 192.168.1759 9 192.168.1759 9 192.168.1769	
Port 6060 Protocolis Private Protocolis Private NO. Device Address Petrotocolis 1 152.168.1.46 6660 OCCIPIICS/7C-2 Privil 2 152.168.1.46 6660 95.11122712-27 Privil 2 152.168.1.162.212-30 Privil 4 152.168.1.152 860 95.11122712-27 Privil 5 152.168.1.152 86 95.11122712-27 Privil 6 152.168.1.153 88 95.11122712-27 Privil	
Protucals Private No. Device Address Part NO. Device Address Part 1 192,168,1.16 6600 Dec371153772-52 Pivor 1 192,168,1.16 6600 Dec371153772-52 Pivor 1 192,168,1.5 6600 Dec371153772-72 Pivor 1 192,168,1.5 6600 Dec371153772-74 Pivor 1 192,168,1.16 6000 Dec371153772-74 Pivor 1 192,168,1.16 800 900 Pivor 1 192,168,1.16 800 900 Pivor 1 192,168,1.16 80	
NO. Device Address Peart Provide List 1 102.168.1.169 6660 OC2716277.E22 Peart 2 192.168.1.56 6669 76556.655.65.00 F Phone 3 192.168.1.6 6669 76556.655.65.00 F Phone 4 192.168.1.7222 6669 951.74.1022.112.41 Phone 6 192.168.1.222 6669 951.74.1022.112.41 Phone 7 192.168.1.222 6669 951.74.1022.71.247 Phone 6 192.168.1.222 6669 951.74.1022.71.247 Phone 7 192.168.1.222 6669 951.74.1022.71.247 Phone 7 192.168.1.222 6669 951.74.1022.71.247 Phone 9 192.168.1.223 960 0.237.16.67.78.029 Phone 9 192.168.1.223 80 -v<+v<+-> ONVI 9 192.168.1.108 80 -v<+v<+-	
NO. Device Address Peet Physical Address Pretocol 1 192.168.1.164 6000 0C.07.15.97.07.62 Privatical Address Pretocol 2 192.168.1.54 6000 765.545.55.85.91 Privatical Address	
NO. Device Address Pert Physical Address Physical Addres Physical Addres Physical Add	
ND. Device Address Pent Physical Address Photoc 1 192.168.1.168 6060 DC37716.3777.6.2 Photoc 2 192.168.1.168 6060 DC37716.3777.6.2 Photoc 2 192.168.1.67 60001 305724.008.195C PH 4 192.168.1.221 6060 961A.1822312:43 Photoc 5 192.168.1.221 6060 9657A.182312:43 Photoc 7 192.168.1.221 6060 9657A.182312:43 Photoc 7 192.168.1.221 6060 9657A.182312:43 Photoc 7 192.168.1.359 00 ONWI 9 192.168.1.159 00 ONWI 9 192.168.1.108 00 ONWI	
NO. Device Address Port Physical Address Photoc 1 192.160.1.160 6000 DC0216372.162 PH 2 112.160.0.7 6000 DC0216372.162 PH 3 192.160.1.6 6000 DC0216372.162 PH 3 192.160.1.6 6000 DC0216372.420 Photo 4 192.160.1.22 6000 96.174.102.3312.43 Photo 5 192.160.1.22 6000 DC0216372.424 Photo 6 192.160.1.325 6000 DC0216374.1023.322.43 Photo 7 132.160.3.30 00 00572.0200.42.42 Photo 9 192.160.1.108 00 -00000.42.42 Photo 9 192.160.1.108 00 -00000.42.42.42 ONMYE 9 192.160.1.108 00 -00000.42.42.42.42.44.44.44.44.44.44.44.44.44.	
NO. Device Address Pert Physical Address Protect 1 192.168.1.66 6660 00:63716522 Private 2 192.168.1.66 6660 78:56:45:56:E0:9F Private 3 192.168.1.223 6660 78:56:45:56:E0:9F Private 4 192.168.1.223 6660 96:17:11:E2:31:27.4 Private 5 192.168.1.223 6660 96:17:11:E2:31:27.4 Private 6 192.168.1.323 6660 96:17:11:E2:31:27.4 Private 7 192.168.1.310 00	
NO. Device Address Pert Physical Address Physical Addres Physical Addres	
NO. Device Address Pert Physical Address Perture 1 192.160.1.160 6060 DC0716.377E:42 Privat 2 192.160.1.66 6060 70:56:45:56:E0:3F Privat 3 192.160.1.20 6060 96:14:18:23:12:43 Privat 4 192.160.1.22 6060 96:14:18:23:12:74 Privat 5 192.160.1.20 6060 96:14:18:23:12:74 Privat 6 192.160.1.159 00 -t+++++ OHVIT 9 192.160.1.19 00 -t+++++ OHVIT 9 192.160.1.19 00 -t++++++ OHVIT	
NO. Device Address Part Physical Address Parton 1 192.160.1.160 6060 OC:07.16.37.7E.42 Privat 2 192.168.0.67 60001 30:57.4C.00.01.30: Pt 3 192.168.1.6 6060 76:55:45:56:50:30: Privat 4 192.160.1.221 6060 96:14:18:23:12:43 Privat 4 192.160.1.221 6060 96:07:45:78:00:9 Privat 6 192.160.1.221 6060 00:07:67:00:01:45:78:09 Privat 6 192.160.1.159 00 -:>:>:>: ONVIE 9 192.160.1.108 00 -:>:>::>: ONVIE	
NO. Device Address Pert Physical Address Protoc 1 182,160,1.16 6000 0C:07.16.37;7:4.2 Privat 2 192,160,.67 60001 30:57:40:0001:90 Privat 3 192,160,.1.6 6060 78:56:45:56:20:91 Privat 4 192,160,1.221 6060 96:14:19:23:12:74 Privat 5 192,160,1.222 6060 DC:07:16:45:78:D3 Privat 7 192,160,1.159 80 ONVIT 9 192,160,1.108 80 ONVIT	
1 192,160,1,169 6060 0C:07:16-37;2E:42 Privat 2 192,160,0,67 60001 30:57:AC:00:01:9C Privat 3 192,160,1,220 6060 96:1A:1B:23:12:73 Privat 4 192,160,1,221 6060 96:1A:1B:23:12:74 Privat 5 192,160,1,222 6060 00:07:15:45:7B:D9 Privat 7 192,160,1,222 6060 00:07:15:45:7B:D9 Privat 7 192,160,1,159 00 -:: ONVIT 9 192,160,1,108 80 -:: ONVIT	вТуре
2 192.168.0.67 \$60001 30:572AC:00:01:9C Privat 3 192.168.1.6 \$6060 78:56:45:56:26:85 Privat 4 192.168.2.20 \$6060 96:1A:1B:23:12:74 Privat 5 192.168.1.221 \$6060 96:1A:1B:23:12:74 Privat 6 192.168.1.222 \$6060 DC:97:16:45:7B:D9 Privat 7 192.168.1.153 00 -:>:>:>: ONVIT 9 192.168.1.153 00 -:>:>:>: ONVIT 9 192.168.1.108 80 -:>:>:>: ONVIT	
3 192.168.1.6 6060 78:55:45:56:20:BF Privat 4 192.168.2.20 6060 96:14:18:23:12:43 Privat 5 192.160.1.221 6060 96:14:18:23:12:74 Privat 6 192.160.1.223 6060 00:07:16:45:78:00:04:04 Privat 7 192.160.1.159 80 00:07:16:45:78:00:04:04 Privat 8 192.160.1.159 80 -:-:-:- ONVIT 9 192.160.1.108 80 -:-:-:- ONVIT	IPC
OK Cancel 0K Cancel 5 192.168.1.221 6060 96:1A:1B2:312;74 Private 6 192.168.1.222 6060 DC:07:16:45:7B:00:04:04 Private 7 192.168.1.103 80 ONVIT 9 192.168.1.103 80 ONVIT	IPC
OK Callet 5 132.160.1.222 6000 36.1A.152.312/4 147/04 6 192.160.1.222 6000 DC:07.16.45.7B.03 Privat 7 192.160.1.103 80 ONVII 9 192.160.1.108 80 ONVII 9 192.160.1.108 80 ONVII	IPC IDC
0 192.160.3.262 0000 DC.07.15.3.3 FPV 7 192.160.3.159 00 000°C;FD:00:C4:CA P2 8 192.160.1.108 00 -:: ONVI 9 192.160.1.108 00 -::- ONVI	100
0 192.160.1.159 80 -:: ONV0 9 192.160.1.108 80 -:: ONV0 Defeach Change IP Manually, 644	100
9 192.168.1.108 80 ONVE	IPC IPC
Befrech Change IB Manually Add	IPC IPC
Defeeth Change ID Manually Add	1-0
Defeeb Change ID Manually Add	
Defeeb Change ID Manually Add	
Batrash Channe ID Manually Add	
Here's Change IP Manuary Aug	🗹 Filter the Added i

5.2 Front-end equipment search

In front of the device status list screen, click **C**, Into the front-end search equipment list interface:

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Cancel

Note: This list can search all connected devices within the LAN boot IPC Check

5.3 Adding and modifying IP headend

equipment

After selecting IPC devices to be connected in the device list, click on the bottom right corner button , the device can be added ,

Adding equipment required to fill in the user name and password, as shown on the right:

If you need to connect more devices, click, After entering a user name and password to add devices, the device according to the device list from top to bottom in turn added to each channel.

In addition to these automatically added equipment, but also click Manually adding, fill in the device IP address, user name and other information to the

NO.	Device Address	Port	Physical Address	Protocols	Туре
	192.168.0.67	60001	30:57:AC:00:01:9C	P1	IPC
	192.168.1.6	6060	78:56:45:56:E0:BF	Private	IPC
			Login and Connect		IPC
					IPC
	1				IPC
	User Name		admin		IPC
	Decounted				IPC
9					
					IPC
					IPC
Refresh	Change IP M	lanually Add		OK Cancel	Iter the Added Devic
Refresh	Change IP M	lanually Add	Lucio and Connect	OK Cancel	Her the Added Devis
Refresh	Change IP M	lanually Add	Login and Connect	Cancel	IPC
Refresh Device Ad	Change IP M	fanually Add	Login and Connect	Cancel	IPC IPC Iter the Added Devic
Refresh Device Ad Jser Nam	Change IP M dress	lanually Add	Login and Connect	©K Cancel ✓ Fi admin	IPC IPC Iter the Added Devic
Refresh Device Ad User Nam Password	dress	fanualty Add	Login and Connect	OK Cancel	IPC IPC IPC
Refresh Device Ad User Nam Password Port	Change IP M dress	fanually Add	Login and Connect	OK Cancel	IPC

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login screen, shown in Figure

In front of the device list, select a device, click enter the IP interface to modify, re-set the configuration of the device MAC address, IP address, subnet mask, gateway, etc. In this interface, you can click OK to complete the modification, as shown in Figure

ChapterVI PTZ control

6.1 PTZ basic configuration

Enter Toolbars - <Main menu> - <Camera> - <PTZ > - <Basic> select the channel you want to set for presets, track, cruise lines set.

Select the channel you want to enable PTZ operation, check the Enable PTZ interface as shown:

			Fro	int Device	List					
NO.	Device Address	Part	Phy	sical Add	ness	r i	Protocols	, r	Тупе	
1	192.168.2.20	6060	96:1	A:18:23:1	2:43	~	Private		IPC	
	192.168.3.90	80	00:F	C:FD:00:C	4:CA		P2		IPC	
	192.168.1.6	6060	78:5	6:45:56:E	0:8F		Private		IPC	
				Change I	р				IPC	
									IPC	
	MAC Addres:			16:19	i:17:18:	19:12			IPC	
	IP Address	192		168				8	IPC	
	Subset Mad	955		955					IPC	
9	Subject Midal								IPC	
10	Gateway			168				123	IPC	
						ок	11.	Cancel		
Camera - Ad	dmin OSD Basic	Advanced		_		A	dd All	Ad	ld t	Exit
Camera - Ad	dmin OSD Basic MOTION Camera	Advanced				Ad	dd All	Ad	ld t	Exit
Camera - Ad	dmin OSD Basic MOTION Camera Lunge Enable	Advanced				Ad	dd All C	Ad AMD1	ld t	Exit
Camera - Ad	dmin OSD Basic MOTION Camera MASK Enable PTZ Addm	Advanced				A	dd All Ci	Ad M01 255	id i	Exit
Camera - Ad	dmin OSD Denic MOTION Camera MASK Enable P.T.2 PTZ Baud	Advanced ess Rate				A	dd All G	Ad AM01 255 1600	id i	Exit
Camera - Ad	dmin OSD Denic MOTION Camera MASK Enable PTZ Addri PTZ Baud PTZ Proto	Advanced ess Rate col				A	dd All Ca S Pele	Ad AM(11 255 1600 cod_HD		
Camera - Ad	dmin OSD Denic MOTION Camera MASK Enable PTZ Addri PTZ Baud PTZ Proto PTZ Guar	Advanced ess i Rate col				A	dd All Cl S Peld	Ad AM01 255 1600 cod_HD	id i	Exit
Camera - Ad	dmin OSD Useric MOTION Camera MASK Enable PTZ Addri PTZ Baud PTZ Proto PTZ Guar	Advanced ess Rate col d		Y 		A	dd All G 9 Pelo	Ad 1000 255 1600 201_HD	id i	Exit
Camera - Ad	dmin OSD Useric MOTION Camera MASK Enable PTZ Addr PTZ Baud PTZ Guar	Advanced ess Rate col d				A	dd All Ca Pelo	Ad AM01 255 1600 100_HD	id i	Exit
Camera - Ao	dmin OSD Useric MOTION Camera MASK Enable PTZ Addr PTZ Baud PTZ Guar	Advanced ess Rate col d					dd All G 9 Pelo	Ad 255 1600 rod_HD	id i	Exit Exit Exit Setting
Camera - Ad	dmin OSD Useric MOTION Camera MASK Enable PTZ Addr PTZ Baud PTZ Guar U	Advanced ess Flate col				A	dd All Ca Pele	Ad AM01 255 1660 cod_HD		Exit Exit V ietting
Camera - Ad	dmin OSD Useric MOTION Camera MASK Enable PTZ Addr PTZ Baud PTZ Guar	Advanced ess Rate col d					dd All C Peic	Add AM01 255 1600 100_HD		Exit
Camera - Ad	dmin OSD Basic MOTION Camera MASK Enable P.T.2 P.T.2 PTZ Baud PTZ Proto PTZ Guar 	Advanced ess Flate col					dd All G Pele	Ad AM01 255 1600 1600		Exit
Camera - Ad	dmin OSD Basic MOTION Camera MASK Enable PTZ Addr PTZ Baud PTZ Proto PTZ Guar	Advanced ess Rate col d				Ad	dd All C 9 Pele	Ad 255 1600 :od_HD		Exit
Camera - Ad	dmin OSD Basele MOTION Camera MASK Enable PTZ Haud PTZ Baud PTZ Guar PTZ Guar Q	Advanced 584 Rate col d					id All C	Ad 255 1600 cod_HD		Exit
Camera - Ad	dmin OSD Basele MOTION Camera MASK Enable PTZ Baud PTZ Baud PTZ Guar PTZ Guar DTZ Guar	Advanced ess Fas Fas col d					id All C	Ad 255 1600 cod_HD		Exit T T iciting

> In the text box, enter the address of the PTZ PTZ address, baud rate and select PTZ PTZ protocols.

Description: PTZ address should dial code consistent, consistent baud rate, protocol parameters with PTZ and PTZ.

After checking PTZ watch, click on the right side of the head watchman [Setup] button, the interface as shown:

Select the watch period, only check the preset point, cruise, a set of tracks, the setup is complete, click [Preview] button to enter the preview screen, right to return to the <Camera> interface; click OK button to return to the <Basic> interface, set successfully.

Description: PTZ preset point can only watch, cruising, track one (linkage state mutex setting).

If you need to modify the other channels, repeat the above steps; If the same channel settings, click [Copy] button to copy into other channels.

6.2 PTZ control interface

Click on the toolbar, Pop <PTZ Control> Interface, click Show the Advanced Settings section, As shown:

Description: PTZ control operation by <PTZ control> interface.

Camera	- Admin							
	OSD	Basic	Advanced					
A	MOTION	Camera				CAM01		
	MASK	Enable						
0	0.7.1	PTZ Addre	99			255		
<u>e</u> .	Pila		Chann	el 1 - Guard Actio	om			
		Cycle	Once	: At Boot				Ŧ
	I	Preset						Setting
	I	Cruise						
	I	Track						
	I							
	- I							
	L					ок	Cancel	
	SAVE&EXIT							



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PTZ control interface description

Icon	Explanation
Camera CAM01 🗡	Select the PTZ channel
	Set PTZ rotation speed
A	Arrow keys: right head up, down, left and right direction controls
~~	Middle button: zoom the preview channel
+	Adjust zoom + focus + aperture +
	Adjust zoom - focus - aperture -
	Light
	Wipers
₿	Fan
	Heater
82	Menu
Call	Callback
Stop	Stop
Setting	Setting

6.3 PTZ preset points, cruising, track settings and callback

Enter <Toolbars> - <Main menu> - <Camera> - <PTZ > - <Advanced> Interface, select the



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channel to be set after a preset point on the trajectory, cruise lines set.

Preset settings and callback

Click on the right side of the set point [Setup] button, go to <PTZ > interface, select the preset number, click on the [Setup] button, go to "Settings" interface, PTZ control keys to adjust PTZ position, click OK button to return to <PTZ control> interface, set successfully.

To set more presets, repeat the above operation.

After setting the preset, select the preset number, click [callback] button to return to the setup PTZ preset point already.

Cruise set, stop callback

Select cruise number, click on the right cruise [Setup] button, enter the number of the <cruise Edit> interface, as shown:

		Cruise1-Edit			
Preset Point		M	Preview	Add In	
Speed	0	T			
Resort Time	1		Unit: Sec	ond.Range 1	-255
		Preview	Re-set	Save	Exit

Select the preset number, click [Preview] button to enter the preview screen, click [Add In] button, cruise points added successfully. Select the speed and residence time in the drop-down list in the speed and residence time.

Description: Cruising speed is the speed of the head from one to another preset, the residence time is the stay at the preset time.

To add another cruise point to repeat the above operation.

After the setup is complete, click [Preview] button to enter the preview screen; click [Reset] button to clear the setting; click [Save] button to return to the <PTZ control> interface, set successfully.



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To set the number of cruise path repeat the above operation.

Select the cruise path number, click [Call] button to invoke the callback cruise path settings; click [Stop] button to stop the cruise path.

Track set and callback

Running track for recording head of the line, click on the right track [Settings], check the track record started, click OK button to return to <PTZ control> interface for PTZ various control operations, for example: up, down, left, and right directions of the control.

Click Settings on the right track to complete the [Setup] button, enter <Trackt> interface, check the end of the track record, click [OK] button to return to the PTZ control interface.

Click on the right track [Call] button to invoke the callback set track; click [Stop] button to stop the track.

If you want to set up multiple channels, all repeat the above operation.



	Channell - P	TZ Contr	ol - Ad	dmin		×
Camera	CAM01	¥	×	: 11	m	
				Zoon Focu: Iris	5	+ + +
•	Ø	٥		-		E
Preset Point	1		w	Call		
Cruise	1		T	Call	Stop	
Track	1		w.	Call	Stop	
						8

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ChapterVII Of the video and capture

Description: 1 in the previous set of encoding parameters, make sure that the equipment has been installed hard drives and completed initialization;.

2 set encoding parameters IPC channel device must advance properly connected NVR, otherwise it can not be set.

7.1 Encoding parameters

Parameter Description

[Camera] Select the channel number

[Stream Type] Optional composite stream and video stream, select the stream indicates that the composite video and audio recording channels are open, select the video stream represents only open video

[Resolution] Main stream resolution refers to the type of IPC code configurations, such as 1080P, 720P

[Frame rate] Frame rate refers to the connected IPC frame rate, P system: a / s -25 frames / sec; N system: a / s -30 frames / sec

[Bit Rate Type] Selectable constant bit rate and variable bit rate. Under variable bit rate quality adjustable constant bit rate quality is not adjustable

[Bit Rate] The rate refers to the size of the connected IPC. When the bit rate constant bit rate type, bit rate of 128kbps \sim 12Mbps size can be set; If the bit rate type is variable bit rate, bit rate - the maximum size of a minimum six-speed adjustable

Common video parameter settings

Enter <Toolbars> - <Main menu> - <Record> - <Normal> Video parameter is common for some of the common parameter settings when recording, according to the needs of the channel, stream type, resolution, frame rate, type drop-down list bit rate, bit

lecore	l - Admin						
	CODEC	Normal	Event	Sub Str	eam		
0	SNAP	Camera			1	N.	
	SCHEDULE	Stream Ty	npe		Video Only	8	
•	ADMANICED	Resolutio	n		720P	1	
•	ADVANGED	Frame Ra	te		Full	L L	
		Bit Rate T	уре		CBR		
		BitRate			10Mbps		
						Input	
61	SAVE&EXIT					Сору	

_						
CON	I - Admin					
	CODEC	Normal	Event	Sub St	ream	
۲	SNAP	Camera			1	
1	SCHEDULE	Stream Ty	ype		Video Only	
	ADMANCED	Resolutio	n		1080P	
8	ADVANGED	Frame Ra	te		Full	V
		Bit Rate 1	уре		CBR	
		BitRate			10Mbps	V
						Input
		Delay Tin	1e		30Sec	
	SAVE&EXIT					Сору

rate or quality, select the relevant option, click [Save & exit] button, set successfully.

If you need to modify the other channels, repeat the above steps; If the same channel settings, click [Copy] button to copy into other channels.

Description: When the bit rate constant stream type, bit rate can be selected when the bit rate for the variable rate type, you can select the picture quality.

Event recording parameters

Enter <Toolbars> - <Main menu> - <Record> - <Event> interface, event recording parameters are triggered motion detection, video covering some parameter settings when video loss, according to the demand in the channel, stream type, resolution, frame rate, bit rate type drop-down list, bit rate or quality, Quotations time, delay time, select the relevant option, click [Save & exit] button, set successfully.

If you need to modify the other channels, repeat the above steps; If the same channel settings, click [Copy] button to copy into other channels.

Description: pre-recorded time is set to advance into the video at the start arming time, delay time is the time delay after the end of armed recording time

Sub-stream settings

Enter <Toolbars> - <Main menu> - <Record > - <sub stream> Demand select the relevant option in the drop-down list channel, resolution, bit rate based on, click [Save & Exit] button, then Settings successful sub-stream suitable for image transmission on a low-bandwidth network.

If you need to modify the other channels, repeat the above steps; If the same channel settings, click [Copy] button to copy into other channels.

			R	ecor	d Co	ntrol	- Ad	min				
Camera Auto	AII						8					
Manual												
Close												
										oк	1	Cancel

Record	d - Admin								
1	CODEC	Normal	Event	Sub St	eam				
6	SNAP	Camera				1			T
**	SCHEDULE	Resolutio	in .			D1			
	ADVANCED	Frame Ra	ste						
•••		Bit Rate				1536Kb	ps		T
								Input	
	SAVE&EXIT							Сору	

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will

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7.2 Timer recording

Click on the toolbar, Pop <Record> interface, check the video channel be timed in the automatic recording, as shown here:



Enter <Toolbars> - <Main menu> - <Record> - <Schedules> interface, check the

video, for example, check the timer recording, at a scheduled time table, hold down the left button and drag to set the time continuously click you can set an hour, the color can be changed to a small table in the corresponding color, click [Save & exit] button, set successfully.

If you need to modify the other channels, repeat the above steps; If the same channel settings, click [Copy] button to copy into other channels.



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7.3 Motion detection recording

Enter <Toolbars> - <Main menu> - <Camera> - <Motion> interface, select the motion detection recording channel you want to, check the Enable motion detection, interface displays as shown:

Click on the right side enabled mobile detection [Setup] button, or click the left button and drag to draw motion detection area needs to draw finish area, right to return to <motion detection> interface;

Select the appropriate sensitivity sensitivity drop-down list;

Arming time to choose a custom schedule, and then click on the [Setup] button to set the time for deployment.

Check the big screen alarm, sound alarm, trigger channel recording, trigger the alarm output triggered PTZ, send e-mail (required election to enable e-mail notification, set the reference 8.4).





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Click [Save & Exit] button, the setting is successful.

If you need to modify the other channels, repeat the above steps; If the same channel settings, click [Copy] button to copy into other channels.

7.4 Alarm recording

Alarm status

Enter <Toolbars> - <Main menu> - <System > - <alarm> interface, you can view the alarm input and output alarm name, Channel address, alarm type, delay time, as shown:

Alarm	Input
-------	-------

First select the trigger channel.

Enter <Toolbars> - <Main menu> - <System > - <alarm input> interface, select the alarm input serial number, click on the name of the next alarm [Setup] button, enter the name of the alarm setting interface, editing is completed after Click on OK button to return to <alarm input> interface, select the input device type, set the schedule time reference 4.3.

If you need an alarm input processing, check the alarm input processing, as shown:

Check the linkage screen display, audible alarm linkage, linkage video camera linked, the

linkage alarm output, linkage PTZ, linkage Email notifications can be linked video camera linked channels and settings checked.

If you need to modify the other channels, repeat the above steps; If the same channel settings, click [Copy] button to copy into other channels.

\geq	Description: PTZ	linkage is set	in only after	er preset point.	cruise, track.	no action one.	setup is complete	vou can click th	e [Preview] l	outton to enter the	e preview
	The second se	0	- J	· F · · · · F · · · · ·		,	The second se	J	- L		F F F F F F F F F F

BASIC	Alarm Alarm Input	t Alarm Output					
PREVIEW	Alarm Input						
USER	Number	Alarm Name	Properties	Alarm Type			
NETWOOK		AI01	Local	N0.			
NETWORK		AI02	Local	N0.			
ALARM		AI03	Local	NO.			
XCEPTION		AI04	Local	NO.			
	Alarm Output						
	Number	Alarm Name	Properties	Holding Time			
		AO01	Local	300Sec			
- Admin							
BASIC	Alarm Alarm Inpu	Alarm Output					
PREVIEW	Alarm Input			T			
USER	Alarm Name		AI01				
NETWORK							
	Device Type						
ALARM	Schedule		Whole Day				
EXCEPTION				Setting			
	Alarm Handle						
	Show Full Scree	m 🗹					
	Buzzer						
	To Record			Setting			
	To Alarm Out						
	To P.T.Z			Setting			
	Email						
SAVEREVIT				Copy			
	BASIC PREVIEW USER ALARM ACEPTION BASIC PREVIEW USER NETWORK ALARM XCEPTION	BASIC Alarm Input PREVIEW Alarm Input USER ALARM A AGEPTION AGEPTION ALARM Alarm Output Alarm Output Number 1 3 Alarm Output Number 1 1 1 1 1 1 1 1 1 1 1 1 1	Alarm Ingut Alarm Name Output PREVIEW USER ALARM AGENTOOR ALARM AGENTOOR ALARM AGENTOOR AGE	Alarm Alarm Name PREVIEW Amain Input Marm Input Alarm Name Properties USER 1 Al301 Local ALARM 3 Al303 Local GEEPTION 4 AD04 Local Adarm 0 Alor Local Alarm Alor Local Local Adarm Alor Local Local Alarm Alor Local Local Alarm Alor Alor Local Alarm Alor Local Local 1 AO01 Local Local 1 Aon Sciental Local			

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screen, and then click the right, back to the PTZ settings interface.

interface, recording will be stopped manually or automatically turn off the

Alarm Output

Enter <Toolbars> - <Main menu> - <System > - <alarm > - <alarm output> interface, alarm output number 1, set the alarm name and latency.

Syste	m - Admin						
۵	BASIC	Alarm	Alarm Input	Alarm Output			
	PREVIEW	Alarm Ov	stput				
2	USER	Alarm Ov	utput Name		A	.001	
6	NETWORK						Setting
	ALABM	Delay Ti	me			5Minute(s)	M
	EVCEPTION						
•	EACEPTION						
_							
	SAVE&EXIT						

7.5 Manual recording

Click the icon on the toolbar, pop-up <record> interface will automatically</record>	
check the video recording of the channel manually, as shown below:	Record Control - Admin
	Camera All 1 2 3 4 5 6 7 8
Click OK, the preview screen to enter the manual recording, manual recording	Auto
Chek OK, the preview screen to enter the manual recording, manual REC	Manual 💆 🗸 🖌 🖌 🖉 🗸 🗸
when you want to stop, and then click on the icon on the toolbar, pop-up <a>	

7.6 Snapshot

Grab parameter settings

Enter <Toolbars> - <Main menu> - <Video Configuration> - <capture parameter> Interface, drawings and manual capture trigger parameter settings in the alarm recording, motion detection recording time.

channel check.

Cancel

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In the picture resolution, image quality, capturing the number of drop-down list, select the time interval parameters After setting, click [Save & Exit] button to return to the previous menu, set successfully.

Manual capture

Click the icon on the toolbar, be shot.

-

Ť	CODEC	Snap		
0	SNAP	Resolution	D1	6
	SCHEDULE	Quality	High	
•		Snap Number	1 Time(s)	
•	ADVANUED	Snap Time Interval	5 Second(s)	

ChapterVIII Playback

8.1 Introduction playback interface

Playback Button Function Interface

Push button	Explanation	Push button	Explanation
	Single screen / quad screen	*]	Start / Stop Cut
	Pause / rewind		Pause / Play

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	Deceleration Playback	b b	Accelerated playback
(Electronic		Full-screen playback
	amplification	·	
*4	Timeline reduced	+ +	Timeline enlarge
0	Restore the default		Backup video
$\mathbf{\nabla}$	Timeline		
4	Left Timeline	→	Right Timeline
X	Set the time to start	F-	Exit playback
	playback		interface

8.2 Video Playback

Select dates need to query the channel, video type, the interface will display the day of recording, videos of different colors to identify different types of clicking on the toolbar.

To play back the recording period, by clicking on the icon, select the video on the timeline starting time scale bar appears double-click, and then by clicking on the icon, select the video in the timeline after the end of the time scale appears double-clicking or by clicking icon set play time, the pop-up dialog box to set the playback time, as shown:





Click the button or button to enter <Playback> interface.



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8.3 Accessibility

Electronic amplification

During playback, click the icon to enter the digital zoom interface,

You can click on the picture to enlarge, click on the top, bottom, left and right buttons to move the area; Tap to return to the original screen.



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ChapterIX Backup

Local pictures and videos using a USB device backup (U disk, mobile hard disk, burner) captured images and videos for backup.

9.1 Local Image Backup

Enter <Toolbars> - <Main menu> - <Backup> - <Image> interface, select the channel and date to be backed up, click [Query] button, the channel and the day of the local picture instantly displayed.

Check the file to be backed up, and then click [Backup] button on the pop-up <Picture export> dialog box, click the [Detect Device] button, and other testing is completed, select the picture you want to save the partition, and then click [Export] button start the backup.

> Note: One day only query the local picture, pictures date is yellow font.



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9.2 video backup

Click the icon on the toolbar, pop <log> interface, select Admin user, enter the correct password, and click OK button to enter the <video backup> interface, as shown:

Login - Admin							
Time Rest to Login	:19						
User Name	Admin						
Password							
		ок	Cancel				

Click on the icon to bring up the <add a backup clip>, can add up to 16 time period, after completion of the addition, the default is checked;

Backup - Admin Device /dev/sdb1(5166M/7387M) Check File Type H.264 Raw VAII V 1 V 2 V 3 V 4 V 5 V 6 V 7 V 8 Add Date 🝸 Day Start 7 Backup - Admir End Ti Device /dev/sdb1(5166M/7387M) Check H.264 Raw File Type MAII 🗹 1 🗹 2 🗹 3 🗹 4 🗹 5 🗹 6 🗹 7 🗹 8 14 4 Start Time End Time Size 2016-03-22 08:52:37 24.4MB 2016-03-22 08:52:45 2016-03-22 08:53:45 26.1MB 14 4 ► ►

Start

Format

Exit

Click [detection] button, the tests are complete, the specified partition backup, select the file type, select the

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channel you want to back up.

Click [Start] after the backup, the backup is complete, a dialog box pops up backup success.



Backup - Admin

Enter <Toolbars> - <Main menu> - <Search > - <Video> interface, click [Refresh]

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button, double-click the file to be played back can be slow, pause, stop, fast forward operation.

Chapter X Alarm

10.1 motion detection alarm

Enter <Toolbars> - <Main menu> - <Camera> - <motion> interface, select the motion detection recording channel you want to, check the Enable motion detection, interface displays as shown:

Click on the right side enabled mobile detection [Setup] button, or click the left button and drag to draw motion detection area needs to draw finish area, right to return to <motion detection> interface;

Select the appropriate sensitivity sensitivity drop-down list;

Ca	Camera - Admin							
9	2	OSD	Mution					
A	0	MOTION	Camera CAM01					
	2	MASK	Enable 🗹	Setting				
			Degree Medium					
12		P.1.2	Schedule Whole Day					
				Setting				
			Show Full Screen					
			Buzzer					
			To Record	Setting				
			To Alarm Out					
R	amera	s - Admin	T=017	Catting				
"	<u> </u>	OSD	Motion					
	4	мотюн	Cameral - Motion Detection - Schedule					
	-0	MASI		Setting				
	ò	ета	0 3 6 9 12 15 10 21 24					
1	=							
				Setting				
			Wed.					
			Thu.					
				Setting				
			Sat.					
			Defence Off M Defence On	Setting				
			0K Cancel					
		L	Canter					
		SAVEREXT	T	Copy				

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Arming time to choose a custom schedule, and then click on the [Setup] button to set the time for deployment.

Check whether the actual big screen alarm, sound alarm, trigger channel video capture trigger, trigger alarm output triggered PTZ, send e-mail (required election to enable e-mail notification, set the reference 8.4).

Click [Save & Exit] button, set successfully.

If you need to modify the other channels, repeat the above steps; If the same channel settings, click [Copy] button to copy into other channels.

10.2 Alarm Input

Alarm Input

Enter <Toolbars> - <Main menu> - <System Configuration> - <alarm input> interface, select the alarm input the serial number, click on the name of the next alarm [Setup] button, enter the name of the alarm setting interface, editing When finished, click the OK button to return <alarm input> interface, select the input device type, set the schedule time reference 4.3.

Note: Normally open: usually open, turn the circuit has triggered alarm signal; normally closed: usually a short circuit, open circuit when the alarm signal is triggered.

For alarm input processing, check the alarm input processing, as shown:

System - Admin						
۵	BASIC	Alarm Alarm Input Alarm	Output			
	PREVIEW	Alarm Input	1			
2	USER	Alarm Name	AI01			
	NETWORK			Setting		
~	HETHORS.	Device Type	NO			
-	ALARM	Schedule	Whole Day			
1	EXCEPTION			Setting		
		Alarm Handle				
		Show Full Screen				
		Buzzer				
		To Record		Setting		
		To Alarm Out				
		To P.T.Z		Setting		
		Email				
	SAVE&EXIT			Сору		

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Check whether the actual linkage screen display, audible alarm linkage, linkage video, linkage alarm output, linkage PTZ, linkage Email notifications can be checked after the linkage video for channel settings.

Note: After the linkage PTZ settings can only be done on the preset point, cruise, track, no action in one setting can click [Preview] button, you can enter the preview screen, and then click the right, on the back of PTZ the settings interface, and after completing the settings, click OK button.

10.3 Exception Handling

Note: An exception is an abnormal event set alarm handling, exception events include full disk group (with hard disk space is full), hard disk error (Error writing hard disk or hard disk not initialized), disconnected from the network (not connected to the network cable), IP conflicts, illegal access (user password wrong) and so on.

Enter <Toolbars> - <Main menu> - <exception > interface, a variety of unusual events and each channel to be set.

Please refer to the way the police handled 10.4 alarm processing.

Syste	m - Admin		
۵	BASIC	Exception	
	PREVIEW	Турс	HDD Error
2	USER	Linkage	HDD Error
1	NETWORK	Buzzer	Illegal Access
2	HET HOTEL	Upload to Center	Network Cable Broken Disk Full
-	ALARM	Email	
1	EXCEPTION	Alarm Output	
	SAVE&EXIT		

10.4 Alarm processing

Note: When an alarm occurs, the display can be linked (a channel when an alarm occurs, the channel preview screen zoom display), the linkage audible warning (beep), linkage video, linkage alarm output, linkage PTZ, linkage Email notification alerts.

Linkage Screen Display

When an alarm occurs, When in preview mode, switch out the local output port (HDMI and VGA) on the set "alarm screen pop-up" approach channel image, if there is more than one channel alarm occurs, every 10 seconds (by default, through the "Preview configuration" interface "alarm screen switching time" shall be revised) to conduct a single screen switching, alarm stop, stop switch, return to the preview screen.

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> Note: the need to "trigger channel" Set alarm screen channel.

Linkage audible warning

When an alarm occurs, the device will beep a warning

Reported to the alarm center

When NVR event of an alarm, exception events, you can take the initiative to send this signal to run a remote alarm host (install network video surveillance software PC).

Note: When listening mode, set the alarm center, you can take the initiative to upload alarm information.

Linkage alarm output

> Note: When the alarm occurs, you can set the linkage alarm output.

Enter <Toolbars> - <Main menu> - <System Configuration> - <alarm settings> - <alarm output> interface, alarm output number 1, set the alarm name and latency.

Note: If the delay time is selected to remain, when an alarm occurs, the system state only through the toolbar in the "Clear Alarm" button to clear.

Linkage Email notification

Note: When an alarm occurs, the alarm information by mail to users in a timely manner to inform the user alarm occurrence. Mail Settings See 8.4 EMAIL.

10.5 Manually clear the alarm status and alarm

Note: System Status screen can be viewed through the signal loss, video motion, alarm input, alarm output, system status inquiries, if the alarm delay time is set to remain, until the alarm through the interface of the "Clear Alarm" button to clear.

Click	the	icon	on	the	toolbar,	as	shown	pop	System	Status	screen	Δ	displays
information	abo	ut vide	eo m	otio	n, alarm i	inpı	ut, the sy	ystem	state.			-	1



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If you need to clear the alarm, click the [Clear alarm] button .

ChapterXI Network Settings 11.1 Network Settings

11.1.1 Basic Configuration

Enter <Toolbars> - <Main menu> - <System > - <Network > - <Basic > Interface, the basic configuration interface in the network settings menu, set the network parameters.

Network interface parameters

Set the IP address, gateway, ports, PPPoE dial-up, DNS and other information on the local client, the setup is complete, click [Save & Exit] button to force entry in the browser, for example: http://192.168. 1.221 /, remote monitoring, the local IP and IP address settings should be in the same network segment.

ter	n - Admin										
ŧ	BASIC	Basic	PPPOE	DDNS	EN	AIL.	CIMS		P2P		
	PREVIEW	Interface				10	M/100M/1	000M A	uto Adapt	er	
	USER	DHCP									
	NETHODE	IP Addres	s		192		168				190
	NETWORK	Subnet M	ask		255		255		0		0
	ALARM	Gateway			192		168				
	EXCEPTION	MAC Add	ess				5a:57	:be:0b:0	10:01		
		Primary [NS				0		0		0
		Secondar	y DNS				0		0		0
		HTTP Por	t					80			
		Comman	l Port					6060			
		Media Po	rt					6066			
		Mobile Po	ort					10000			

Remote access port parameters

Signaling port for client devices connected to the system to access the WEB page, the receiving signaling operations, such as: login, etc., the default is 6060; media port for client systems to connect data, receive media streaming, for example: voice, pictures, text, etc., the default port is: 6066; mobile phone access port in the browser for mobile phones to remotely monitor, the default port is: 10000, these ports are generally not recommended to make changes, as shown:

> Note: If you check the "start automatically obtain IP", click on the "Update" button to obtain IP-related information, and then click [Save & Exit], to take effect.

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11.1.2 Network error alarm

- Note: If the IP conflict, network alarm processing can be performed off-line. Enter <Toolbars> - <Main menu> - <System > - <Exception> Interface.
- Note: Network exception handling methods are sound warning, upload alarm center, Email linkage, linkage alarm output.

11.2 PPPoE

Enter <Toolbars> - <Main menu> - <System Configuration> - <Network > - <PPPoE> interface when connecting xDSL network, users can PPPoE dialing through the machine equipment, check the Enable PPPoE, enter the user name and password, and click [Update] button, then click [Save & exit], the setting is successful, as shown:

Note: PPPoE user name and password obtained from the operator. After setup is complete, the device will reboot automatically dial, dial-up network information can be displayed in the success of the network state.

Syste			
	em - Admin		
۵	BASIC	Exception	
	PREVIEW	Туре	IP Conflict
2	USER	Linkage	
	NETWORK	Buzzer	
2	RETHORS	Upload to Center	
	ALARM	Email	
9	EXCEPTION	Alarm Output	
rstem	- Admin	<u> </u>	
**		Paula DODDE	001/2 51/4/1 01/2 000
¥.	BASIC	Basic PPPUL	DUNS EMAIL UMS P2P
-	PREVIEW	PPP0E	
2	PREVIEW	PPPoE User Name	
2	PREVIEW USER NETWORK	PPPoE User Name Password	
	PREVIEW USER NETWORK	PPPoE User Name Password Status	
	PREVIEW USER NETWORK ALARM	PPPoE User Name Password Status	
	PREVIEW USER NETWORK ALARM EXCEPTION	PPPeE User Name Password Status	
	PREVIEW USER NETWORK ALARM EXCEPTION	PPPoE User Name Password Status	
	PREVIEW USER NETWORK ALARM EXCEPTION	PPPoE User Name Passward Status	

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11.3 DDNS

Enter <Toolbars> - <Main menu> - <System Configuration> - <Network> - <DDNS> interface, select the Enable DDNS, the DDNS DDNS server interface options, the device domain: the user's own application domain (in dyndns domain name applications on the website), the user name and password are registered on the site dyndns account and password, after completing the settings, click [Save & exit], the setting is successful, as shown in Figure :

Syste	m - Admin							
۵	BASIC	Basic	PPPOE	DDNS	EMAIL	CMS	P2P	
4	PREVIEW	DDNS						
2	USER	DDNS Se	rver			members.332	2.org	V
	NETWORK	Host Don	nain					
<u> </u>	RETITORIC	User Nan	ne					
	ALARM	Password	d					
	EXCEPTION	Refresh 1	[ime[Minute]			30		
		Status						
	SAVE&EXIT							Update

11.4 EMAIL

Enter <Toolbars> - <Main menu> - <System > - <Network> - <EMAIL> Interface, Configuration settings.

When the linkage Email notification when an alarm is triggered, the alarm events reported by e-mail, set the SMTP server, sender, recipient's mailbox and other information, click [Test] button, send a test message pop-up dialog box prompts successfully sent successfully,

Failed to send pop-up boxes prompt transmission fails, as shown in Figure :

Explanation : When you need to enter the mail server check secure connection and authentication, authentication based on the actual situation of the SMTP server user name and password

D										_
syste	m - Admin									
۵	BASIC	Basic	PPPOE	DDI	۹S	EMAIL	CMS	P2P		
4	PREVIEW	Email								
2	USER	SMTP Set	rver							
e	NETWORK	SMTP Pe	rt				25			
		SSL Chec	zk							
-	ALARM	Authentic	ation							
1	EXCEPTION	Sender A	ddress							
		Password	d							
		Receiver	Address1							
		Receiver	Address2							
		Receiver	Address3							
	SAVE&EXIT								Test	

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ChapterXII User Management

Enter <Toolbars> - <Main menu> - <System > - <User management> interface, this interface the administrator user can add, edit, edit the user information, and set permissions.

> Explanation : Ordinary users can only change their own passwords.

Click the 【Add User】 button, Adding new users.

After the selected users, modify user permissions, Click the **[**Set permissions **]** button to set permissions to limit the operating authorization or permission of the user.

	User Authority - 1	
Local Authority	Setting Senior Manage Shutdown/Reboot	
Remote Authority	Setting Senior Manage Shutdown/Reboot	
Channel	RS422 Output Voice Talk Alarm Output	
Playback	All 1 2 3 4 5 6 7 8	
Preview		
PTZ Control		
Remote Playback		
Remote Preview		
Remote Control		

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Click [Edit User] button to modify the user password of the current user. Note : The default user name and password: Admin and 123456.

ChapterX III Disk Management

13.1 HDD status inquiries and Disk Management

> Explanation : According to the state of the hard drive, hard disk problems found in a timely manner, to question the hard processing, reduce losses.

Enter <Toolbars> - <Main menu> - <Disk Management> Interface, check the hard drive status queries and other operations.

Explanation : HDD status is normal or is being written in the state to normal use, if the hard disk is not initialized or abnormal state, that is not normal; uninitialized or abnormal operation to initialize the hard drive please, if successful, replace the hard drive.

13.2 HDD alarm

Enter <Toolbars> - <Main menu> - <System > - <Exception> Interface, hard disk failure, disk group is full, the disk group exceptions, the police can handle.

Explanation : Hard disk error alarm warning sound manner, upload alarm center, Email linkage, linkage alarm output.

ChapterX IV Channel settings

14.1 OSD Set up

Enter <Toolbars> - <Main menu> - <Camera> - <OSD >, including local preview OSD display time and channel name.

Select the channel you want to set, click on the channel name under the **[**Setup**]** button to pop up the channel name editing interface, edit the channel name, after editing is complete click OK button to return to the OSD configuration interface, check the display name and display time, click on **[**OSD position**]** button to enter the preview screen, press and hold the left button and drag the time bar to be placed onto the location, right preview screen to return to the OSD configuration interface.

If you need to modify the other channels, repeat the above steps; If the same channel settings, click **[**Copy**]** button to copy into other channels.

14.2 Video Mask set

Enter <Toolbars> - <Main menu> - <Record> - <Mask> for monitoring live images in certain sensitive areas or involving privacy cover. Select the channel you want to set, check the Enable video Mask, check the Enable video cover, the interface shown in Fig :

Camera	- Admin			
	osd	0SD		
A	MOTION	Camera	1	
<u></u>	MASK	Camera Name	abcdef	
0	P.T.Z			Setting
		OSD Information		
		Show Name		
		Show Time		
				Setting
	SAVE&EXIT			Copy

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Click [Settings Mask Area] button, enter the preview settings screen, click or drag designated covered area, if you need to cancel demarcated area, click the area to cover, after completing the settings, right-return video cover interface.

If you need to modify the other channels, repeat the above steps; If the same channel settings, click 【Copy】 button to copy into other channels.

Explanation : Each channel can have up to four block area.



ChapterX V Equipment maintenance and management

15.1 System Information

15.1.1 Basic Information

Enter <Toolbars> - <Main menu> - <System > - < Info> - <device>, shows the basic setup information.

15.1.2 Camera Status

Enter <Toolbars> - <Main menu> - <System> - < Info> - <Camera> interface, display settings for each channel motion detection, video detection, video covering the relevant information.

Inform	ation - Admin					
۰.	INFO	Device Came	ra Record	Alarm N	etwork HDD	User On Line
	LOG	Camera	Camera Name	Motion Detection	Video Loss	Camera Mosaic
	CONFIG		abcdef	Disable	Disable	Disable
65	UPGRADE	2		-		-
		3		_	-	-
@1	RESTORE			_		_
		5		-	-	-
		6		-	-	-
		7		-	-	-
		8		-	-	-
	EXIT					

15.1.3 Record Status

 $\label{eq:Enter} Enter <\!Toolbars\!\!> - <\!Main menu\!\!> - <\!System \!\!> - <\!Info\!\!> - <\!Record\!\!> Display settings for each channel.$

Inform	ation - Admin							
-	INFO	Device	Camera	Record	Alarm	Network	HDD Us	er On Line
	LOG	Camera	Record	Stream Type	Frame Rate	Main Stream	Sub Stream	Resolution
	CONFIG					(kbps)	(kbps)	
15	UDCDADE		Open	Video Only	Full	3374	964	-
.	OPGRADE		-	-	-	-		-
Ø1	RESTORE	3	-	-	_	-	_	-
		4	-	-	-	-	-	-
		5	-	-	-	-	-	-
		6	-	-	-	-	-	-
		7	-	-	-	-	-	-
		8	-	-	-	-	-	-
	EXIT							

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15.1.4 Alarm Status

 $\label{eq:Enter} \mbox{Enter} <\mbox{Toolbars} \mbox{-} <\mbox{Main menu} \mbox{-} <\mbox{System} \mbox{-} <\mbox{Info} \mbox{-} <\mbox{Alarms} \mbox{alarm settings} information.$

15.1.5 Network Sta	tus
--------------------	-----

Enter <Toolbars> - <Main menu> - <System > - < Info> - <Network > Network Settings to display the relevant information.

	INFO	Device	Camera	Reco	ard Alarm	Network	HDD	User On Line
Ξ,	LOG	NO.		Alarm Nan	ne Properties	Ala	rm Type	Alarm
\$	CONFIG	1		AI01	Local		NO.	Close
	LIDCDADE	2		AI02	Local		NO.	Close
	OPGINADE	3		AI03	Local		NO.	Close
01	RESTORE	4		AI04	Local		NO.	Close
	EXIT							
aform a	EXIT tion - Admin INFO	Device	Camera	Reco	ord Alarm	Network	HDD	User On Line
aform a	EXIT tion - Admin INFO LOG	Device Interface	Camera	Reco	ord Alarm 10M/100M/	Network	HDD	User On Line
aforma	EXIT tion - Admin INFO LOG CONFIG	Device Interface DHCP	Camera	Reco	ord Alarm 16M/100M/1	Network 1000M Auto A Disable	HDD dapter	User On Line
atorma	EXIT tion - Admin INFO LOG CONFIG	Device Interface DHCP IP Address	Camera	Reco	rd Alarm 18M/100M/1 193	Network 1000M Auto A Disable 2.160.1.190	HDD dapter	User On Line
storma	EXIT tion - Admin INFO LOG CONFIG UPGRADE	Device Interface DHCP IP Address Subnet Ma	Camera	Rece	rd Alarm 10M/100M/ 193 25	Network 1000M Auto A Disable 2.160.1.190 i5.255.0.0	HDD	User On Line
ntorma Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference Reference	EXIT tion - Admin INFO LOG CONFIG UPGRADE RESTORE	Device Interface DHCP IP Address Subnet Ma Gateway	Camera i isk	Rece	rd Alarm 18M/100M/1 192 25 193 193	Nctourk 1000M Auto A Disable 2.160.1.190 i5.255.0.0 i2.160.1.1	HDD	User On Line
nforma a a a a a a a a a a a a a	EXIT tien - Admin INFO LOG CONFIG UPGRADE RESTORE	Device Interface DHCP IP Address Subact Ma Gateway MAC Addre	Camera : :sk	Reco	rd Alarm 10M/100M/ 193 25 19 58:57	Network 1000M Auto A Disable 2.160.1.190 15.255.0.0 12.160.1.1 1:bc:0bc00:01	HDD dapter	User On Line
ntorma Rice Rice Rice Rice Rice Rice Rice Rice	Edit tion - Admin INFO LOG CONFIG UPGRADE RESTORE	Device Interface DHCP IP Address Subset Ma Gateway MAC Addre Primary DI	Camera : :ssa NS	Reco	rd Alarm 10M/100M/ 193 29 19 5a:57	Network 1000M Auto A Disable 2.168.1.190 15.255.0.0 12.168.1.1 15.20b.00:01 1.0.0.0	HDD dapter	User On Line
nforma Sala Sala Sala Sala Sala Sala Sala Sa	Edf tion - Admin INFO LOG CONFIG UPGRADE RESTORE	Device Interface DHCP IP Address Subnet Ma Gateway MAC Addre Primary DI Secondary	Camera S Isk Isk Isk Isk Isk Isk Isk Isk Isk Isk	Reco	ord Alarm 10M/100M/1 194 25 19 5a:57	Network 1000M Auto A Disable 2.168.1.190 15.255.0.0 12.168.1.1 12.0.001 1.0.0.0	HDD dapter	User On Line
nforma A A A A A A A A A A A A A A A A A A A	Edf tion - Admin LOG CONFIG UPGRADE RESTORE	Device Interface DHCP IP Address Subnet Ma Gateway MAC Addre Primary DI Secondary PPPoE	Camera sk sk ss ss ss ss ss ss ss ss ss ss ss	Reco	ord Alarm 10M/100M/1 193 25 15 58:57	Network 1000M Auto A Disable 2.168.1.190 is.255.0.0 iz.168.1.1 1.0.0.0 1.0.0.0 1.0.0.0 Disable	HDD	User On Line

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15.1.6 HDD status

Enter <Toolbars> - <Main menu> - <System > - < Info> - <HDD> interface, SATA hard drive operating status display, model, total capacity, remaining capacity, type.

Information - Admin										
4	INFO	Device	Camera Record		Alarm	Network	HDD	User On Line		
	LOG	Volumn	Мо	del	Status	Size	Free	Туре		
	CONFIG	SATA1	WDC WD3	WDC WD30EZRX-00S		2.7TB	2.7TB	SATA		
65	UPGRADE									
1	RESTORE									
			Total	Size			2.7TB			
			Total Free				2.718			
	EXIT									

15.1.7 Online Users

 $\label{eq:Enter} \ensuremath{\mathsf{Enter}} < \ensuremath{\mathsf{Toolbars}}\xspace - < \ensuremath{\mathsf{Main menu}}\xspace - < \ensuremath{\mathsf{System}}\xspace > \ensuremath{\mathsf{-}}\xspace < \ensuremath{\mathsf{Users}}\xspace \ensuremath{\mathsf{Online}}\xspace > \ensuremath{\mathsf{display}}\xspace \ensuremath{\mathsf{user}}\xspace \ensuremath{\mathsf{other}}\xspace \ensuremath$

Inform	ation - Admin							
4	INFO	Device	Camera	Record	Alarm	Network	HDD	User On Line
Ξ,	LOG	NO.	User Name	Log	in Type	Log	in Time	Network Flux
\$	CONFIG	1	Admin		.ocal	2016-03-	22 07:54:38	-
<u>65</u>	UPGRADE							
ő	RESTORE							
_							age Down	
	EXIT							

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15.2 Log Information

 $\label{eq:Enter} \mbox{Enter} < \mbox{Toolbars} \mbox{-} < \mbox{Main menu} \mbox{-} < \mbox{System} \mbox{-} < \mbox{log} \mbox{-}, \mbox{ administrators can query information related operations}.$

a、 Select the log type you want to query: All, alarm events, unusual events, storage management;

iforma	ition - Admin													
\$	INFO	Log												
	LOG	Log Type						All						T
*	CONFIG	Start Time		201	;	- 03	3	- 22	00		00		00	
5	UPGRADE	End Time		201	;	- 03	1	- 22	23		59		59	
-	DESTORE	NO.	Recording Time				_	Event				I	Lin	ĸ
9 -	NESTONE													
	2 2016-03-22 09:18:47 Admin - Add user													
			2016-03-22 08:51:3	8	Admi	n - Auto	Re	cording Sta	irt - Cam	era8				
		4 2016-03-22 08:51:38 Admin - Auto Recording Start - Camera7												
			2016-03-22 08:51:3	в	Admin - Auto Recording Start - Camera6									
			2016-03-22 08:51:3	8	Admir	n - Auto	Re	cording Sta	irt - Cam	era5				
			2016-03-22 08:51:3	8	Admir	n - Auto	Re	cording Sta	irt - Cam	era4				
			2016-03-22 08:51:3	8	Admi	n - Auto	Re	cording Sta	irt - Cam	era3				
			2016-03-22 08:51:3	8	Admir	n - Auto	Re	cording Sta	ert - Cam	era2				
		10	2016-03-22 08:51:3	8	Admi	n - Aute	Re	cording Sta	ert - Cam	eral				
		Total 72 Page	: 1 of 8							(M	•	►	ы
	EXIT								Expo	ort		Se	arch	

b, Select a time range to be queried;

c、Click 【Query】 button, the interface displays detailed information immediately, as shown in Figure :

Explanation : If the search logs more than 10,000, the system will display the previous 10,000.

If you need to export the information in the list, click **[**Export **]** button to bring up the export log interface shown in Figure :

Explanation : Before exporting the log backup devices must first connect the USB interface.

forma	tion - Admin						
5	INFO	Log					
	LOG	Log Type		All	V		
5	CONFIG	Start Time	2016	- 03 - 22 0	0 : 00 : 00		
ς.	uncound	End Time	2016	<u> 01 - 22 - 2</u>	<u>1 · 5</u> 9 : 59		
<u> </u>	OPGRADI		Export Log		Link		
1	RESTOR		DT 101 G				
iform	ation - Admin	Partition	/ush/sdb1/5118W	U7387MI	<u>×</u>		
*							
٠	INFO	Conng					
	LOG	Device	/dev/s	Refresh			
\$	CONFIG	Name	Size	Туре	Modified Time		
	LIDCRADE	1216_16_log		Folder	2013-12-23 08:59:54		
	OP GPADE	PCI 8?????		Folder	2013-12-23 09:40:40		
<u></u>	RESTORE	20140102154406.xml			2014-01-02 15:44:06		
		20140315153400.xml	73KB	File	2014-03-15 15:34:00		
		20140217152146.xml	131KB	File	2014-02-17 15:21:50		
		771		Folder	2014-01-20 15:58:14		
		SecreCRT_V71		Folder	2014-01-20 15:58:16		
		??		Folder	2014-01-20 15:58:24		
		BD-2004NSor NBD-2008N		Folder	2014-03-12 11:56:38		
		office2007???		Folder	2013-08-02 15:12:44		
		Total 10 Page 1 of 1			I4 4 > >I		
		20140102154405					

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15.3 Configuration Management

Enter <Toolbars> - <Main menu> - <System > - <Config > Interface, the device configuration import and export.

Configuration Export

Explanation : Before exporting the configuration required to connect the backup device USB interface;

Click [Refresh] button, the interface displays the mount point device, as shown in Figure :

Double-click the partition you want to back into the partition to be backed up, click [Export] button to export the configuration file to export the time named. XML file, as shown in Figure :

- > Configuration import
- Explanation : Before you import the configuration required to connect the USB interface, you must first have a device configuration file stored after the import operation, the proposed device is restarted.

Select the profile you want to import, and click [Import] button, pop-up boxes, as shown in Figure :

Click the **(**OK**)** button, a dialog box pops up whether to restart immediately as shown in Figure :

15.4 Upgraded version

Enter <Toolbars> - <Main menu> - <System > - < upgrade> interface equipment

Informa	ition - Admin							
4	INFO	Config						
	LOG	Device	Refresh					
	CONFIG	Name	Size	Туре	Modified Time			
15	UDCOADI	1916 16 Jan		Ealdos	2012 12-23 08:59:54			
Ľ.,	OPGRADI		2-23 09:40:40					
Ø1	RESTOR	Succeed to im	1-02 15:44:06					
		Deb	not immediately		3-15 15:34:00			
			out miniculatory		3-22 09:39:28			
		Het	oot later		2-17 15:21:50			
					1-20 15:58:14			
	- E			o	k 1-20 15:58:16			
		??		Folder	2014-01-20 15:58:24			
		BD-2004NSor NBD-2008N		Folder	2014-03-12 11:56:38			
Information - Admin								
4	INFO	Upgrade						
	LOG	Device	jdev/s	db1 💌	Refresh			
	CONFIG	Name	Size	Туре	Modified Time			
65	LIPCRADE	1216_16_log		Folder	2013-12-23 08:59:54			
	OPGPADE	PCI 8?????		Folder	2013-12-23 09:40:40			
0 1	RESTORE	325HD_NVR_V1.0.0_2013	SMB	File	2013-12-16 18:58:00			
		inspire.cfg.tar.gz	6KB	File	2014-03-17 06:58:00			
		771		Folder	2014-01-20 15:58:14			
		SecreCRT_V71		Folder	2014-01-20 15:58:16			
		77		Folder	2014-01-20 15:58:24			
		325HD_NVR_V1.1.2_2014	8MB	File	2014-01-23 17:33:00			
		908HD_NVR_V1.1.4_2014	змв	File	2014-02-08 14:47:00			
		308HD_NVR_V1.1.5_2014	4MB		2014-02-20 10:08:00			
BD-2004NSor NBD-2008N Folder 2014-03-12 11:56:3								
		Total 14 Page 1 of 2			I4 4 F FI			
	53 A.F.	UPDATE LOONUD MUD VI	1 E 20140210 tor on					

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upgrade.

Explanation : Before exporting the configuration required to connect the USB interface to put the device has an upgraded version of the file.

Click [Refresh] button, the interface displays the mount point device, double-click the partition placed an upgraded version of the file, enter as shown in Figure :

Select the upgrade file, for example : update.tar.gz_o

Click [Upgrade] button, the upgrade is completed, as shown in Figure :

15.5 Default Configuration

Enter <Toolbars> - <Main menu> - <System > - <Restore> interface, the configuration device to the factory settings, as shown in Figure :



Click the **[OK]** button, the pop-up box, as shown in Figure :



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