NVR USER MANUAL

Version 3.0

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1.Menu operation

1.1 Local Operation Guide

As picture:



2. Start/ Shutdown System

2.1 Main menu-Start (Power off, Reboot, Login, Logout)



- 1) Start up: Switch on the power source correctly, and start up the devices
- 2) Power off: Click"Power off", the device will shutdown

- 3) Reboot: Click "Reboot", the device will reboot automatically
- 4) Logout: Click"Logout" , the device will logout

3. Preview

Start up the devices, after successfully login the following interface will appear:



4. IP Channel setting

IP Cha	mnel Setting						X
СН	IP	Search					
12			Search	11			
13			1	 	land.		
14		IP Protocol Por	t Device Name		IF		
15					Subnet Mask	-	
16							
] 17					Default Gateway		
18					DNS1		
19							
20					DNS2		
21						Ma	dify
22							
23		Channel	·	 			
24		Channel	Channel1				Enable
25		Protocol					-
26		IP	192. 168. 50. 179				
27		Port	5050				
28		Stream Type	Main Stream				
29		Network Type	TCP				
30		Forced frame rate					Enable
31		User Name	admin				
32		Password					
							Copy To
	Delete						
						S	ave Exit

4.1 Search IPC

At the page of "IP Channel Setting", click "Search", the local area network IPC will appear, and do basic parameters modify, as shown in the below picture:

IP Char	nnel Setting							X
СН	IP 📃	Search						
] 12			Search		All			
13				`				
14		IP	Protocol Port	Device Name		IP		
15		.92.168.50.183	18 5050	01801010615ed2931529		Subnat Mark	(
16		92.168.50.170	18 5050	01801010617aaf931529		Sublict mush		
17		92 168 50 168	18 5050	01801010619260931529		Default Gateway		
		02 168 50 186	10 5050	019010106124050-1520				
		192.108.50.180		01001010012490981529		DNS1		
19		192.108.30.185	10 5050	01801010614e49981529		DNS2		
20		.92.168.50.190	18 5050	01801010619aaa901529				
21		.92.168.50.160	18 5050	01801010619aaf931529		i	Modify	
22								
23		Channel	(a)) (
24		Chanter	Channell					
25		Protocol	18					
26			192.168.50.11	79				
27		Port	5050					
28		Stream Type	Main Stream					
29		Network Type	TCP					
30		Forced frame rate					- Enable	-
31		IFOR NODO	admin					
32		ouer mane						
		Password						
	Delete						Copy	I •
							Save	xrt

4.2 Add IPC automatically

Mark the needed IPC in the "Search menu", the configuration of IP camera will add to the left channel automatically, then click"save", as shown in the below picture:

IP CH	annel Setting							X
CH	IP 📃	Search						
12	192.168.50.130		Search		All			
13	192.168.50.135							
14	192.168.50.126	IP	Protocol Port	Device Name		IF		
15	192.168.50.138	92.168.50.18 3	18 5050	01801010615ed2931529		Subnet Mask		
16	192.168.50.120	92.168.50.170	18 5050	01801010617aaf931529			F	
17	192.168.50.131	92.168.50.168	18 5050	018010106192b0931529		Default Gateway		
18	192.168.50.122	92.168.50.186	18 5050	0180101061249b9a1529		DNS1		
19	192.168.50.177	.92.168.50.185	18 5050	01801010614e49981529				
20	192.168.50.161	92.168.50.190	18 5050	01801010619aaa901529		DNS2		
21	192.168.50.192	92.168.50.160	18 5050	01801010619aaf931529			Modify	
22	192.168.50.166							
23	192.168.50.167	Channel	(1)				E Frahla	
24	192.168.50.174	Channel .	Channell					
25	192.168.50.176	Protocol	18					
26	192.168.50.163		192. 168. 50. 1	79				
27	192.168.50.183	Port	5050					
28	192.168.50.170	Stream Type	Main Stream					
29	192.168.50.186	Network Type	TCP					
30	192.168.50.185	Forced frame rate					Enable	
31	192.168.50.190	Vser Name	admin					
32	192.168.50.160	Password						
							Copy To.	
	Delete	<u></u>						
							Save Exi	t

(Note: Click "ALL" will add the search menu camera to the left channel in turn)

4.3 Add IPC manually

Channel		
Channel	Channel1	🖌 Enable
Protocol	18	
IP	192. 168. 50. 179	
Port	5050	
Stream Type	Main Stream	
Network Type	TCP	
Forced frame rate		Enable
User Name	admin	
Password		
		Copy To
	Save	Exit

- Click " $\sqrt{}$ " in front of "Enable" at the channel item
- Select relevant protocol
- Input the IP address

- Input the port number
- Input the user name
- Input the IPC password, and click "Save" finally

4.4 Channel parameters modification

Double-click the channel parameters which needed to modify on the left "Channel menu", then input relevant parameters, click"Save", as shown in the below picture:

Channel		
Channel	Channell	Enable
Protocol	18	
IP	192. 166. 50. 179	
Port	5050	
Stream Type	Main Stream	
Network Type	ICP	
Forced frame rate		Enable
User Name	admin	
Password		
		Copy To

1) Enable: Select the relevant channel, check "Enable"

2) Protocol: ONVIF Standard protocol/ I8 Private protocol/ I9 Private protocol/ RTSP

Standard protocol for selection

- 3) IP Add: Edit and modify the IP address manually
- 4) Port: Edit and set the relevant port number
- 5) Stream Type: Select "Main Stream" or "Sub Stream"
- 6) Network type: Select"TCP"or"UDP"
- 7) User : Input the user name
- 8) Password: Fill the password in the password field

4.5 Modify IPC Parameters

Double-click the channel parameters which needed to modify on the " Channel menu", then fill in the relevant parameters, click "Modify", as shown in the below picture:

IP	
Subnet Mask	
Default Gateway	
DNS1	
DNS2	
	Modi fy

4.6 Delete IPC

Mark the IPC parameters which needed to delete, then click"Delete", as shown in the below picture:

IP Che	nnel Setting
CH	IP _
	192.168.50.179
2	192.168.50.169
3	192.168.50.178
•	192.168.50.162
5	192.168.50.191
6	192.168.50.187
7	192.168.50.168
8	192.168.50.165
9	192.168.50.180
10	192.168.50.184
11	192.168.50.181
12	192.168.50.185
2 13	192.168.50.161
14	192.168.50.192
V 15	192.168.50.186
16	192.168.50.183
17	192.168.50.164
18	192.168.50.166
19	192.168.50.170
20	192.168.50.163
21	192.168.50.177
	Delete

5 System configuration setting

Device Chan	el Network	Alarm Account System
Device Info.	Device Name	
System Version		
PTZ Setting	Deal ceid	<u> </u>
DST Setting	Record Replace	Replace
	Device Serial No.	
	Channel Number	
	Alarm Input Number	
	Alarm Output Number	
	HDD Number	
	Video Format	
	Device Time	2013-7-24 10:46:43

5.1 Device parameters setting

Click "Device parameters" on the "Device Info." interface, then view and modify the relevant basic information, as shown in the below picture:

Device Info.	Device Name	
System Version		
PTZ Setting	DeviceID	0
DST Setting	Record Replace	Replace
	Device Serial No.	
	Channel Number	
	Alarm Input Number	
	Alerm Output Number	
	HDD Number	
	Video Format	
	Device Time	2013-7-24 10:46:43 * Modify

- 1) Device Info.: Check and modify the basic information
- 2) System Version: Edit the system version number
- 3) PTZ Setting: Modify the access dome cameras parameters
- 4) DST Setting: Enable and set DST parameters

5.2 Channel parameters setting

5.2.1 Display Setting

Select the relevant channel and modify the parameters on the "Display Setting" interface, as shown in the below picture:

Device Channe	Network	Alarm Account System
Display Setting	Channel	Channel1
Video Parameters	🖌 Show Name	
Schedule Record	Local Camera Name	CH01
Motion	· <u> </u>	
Video Lost	🖌 Show Name	
Tampering Alarm	Camera Name	CH01
Video Mask	🖌 Show Date	
	Time Format	24-Hour
	Date Format	YYYY-MM-DD Year Month Day
	OSD Position	Setting
	Image Setting	Setting
		Сору То

- 1) Channel: Modify the specified channel name
- 2) Local camera name: Modify the input devices channel name for specified channel
- 3) Time format: Select time display mode for the access devices
- 4) Date format: Select date display mode for the access devices
- 5) OSD Position: Set different display position for the access devices name and display-time
- 6) Image Setting: Adjust the access devices brightness and contrast
- (Note: Except 1), other options only efficient for privacy protocol equipments)

5.2.2 Video Parameters

Modify the relevant channel video parameters on the "Video Parameters" interface, as shown in the below picture:

Device	el Networ	ck Alarm Account System	
Display Setting	Channel	Channell	-
Video Parameters			
Schedule Record	Encoding Type	Main Stream	-
Motion	Stream Type	Video & Audio	-
Video Lost	Resolution	ЖЛ720 _Р (1280 + 720)	-
Tampering Alarm			
Video Mask	Bitrate Type	CBR	
	Bitrate	2048Kbps	-
	Frame Rate	Full Frame (25/30)	-
	Video Quality	Ni ghezt	•
		Copy To	

- 1) Channel: Select the channel number
- 2) Encoding Type: Mani stream/ Sub stream/ Main stream(Event) for selection
- 3) Stream type: Video&Audio/Video optional
- 4) Resolution: Several kinds of resolution which IPC supported
- 5) Bit rate Type: CBR/VBR optional
- 6) Bit rate: Select relevant bit rate which needed
- 7) Frame Rate: Select different frame rate from the drop-down list, "FULL"default.
- 8) Video quality: Different level video quality optional, "Highest" default.

(Note: "Video setting" will be directly modify the IP cameras parameters, and only valid for private protocol linkage channel)

5.2.3 Schedule Record

Modify each video channel parameters on the "Schedule Record" interface, as shown in the below picture:

Device Chan	el Network Alarm A	count System	Save
Display Setting	Channel	Channel1	
Video Parameters	Endore According	ALL Day Accord	ALAYM
Schedule Record			
Motion	Tue.		
Video Lost			
Tampering Alarm			
Video Mask			
	Schedule	Motion	Al arm
	Motion Alarm	Motion & Alarm	
	Record Time	Setting	
	Advanced	Setting	
			Copy To

5.2.3.1 Video precise backup

Double-click the time bar to set precise video backup, there will be a small check appear, and then double-click the small check, the following interface will pop-up(The check box in front of "All Day Recording" can not mark):

		X	
06:00:00	09:59:00	-	
		OK Cane	1

5.2.3.2 Record time

Click "Setting" to do period time recording on the "Schedule " interface, as shown in the below picture:

Schedule			X
Weekday		Mon.	
Period1	00:00	00:00	Schedule 🔽
Period2	00:00	00:00	Schedule 🔽
Period3	00:00	00:00	Schedale 🔽
Period4	00:00	00:00	Schedule 🔽
Period5	00:00	00:00	Schedule 🔽
Period6	00:00	00:00	Schedule 🔽
Period7	00:00	00:00	Schedule 🔽
Period8	00:00	00:00	Schedule 🔽
Copy to Mon.	- Copy	ОК	Cancel

(Note: It can set 8 periods video recording mode during one day)

5.2.3.3 Advanced Record

Set relevant advanced recording parameters for each channel on the "Advance" interface, as shown in the below picture:

Advanced	X
Pre Record	No FreRecorded
Post Record	5s 🔽
	OK Cancel

5.2.4 Motion Detection

(Note: Fore-end IP Camera must support motion detection)

Modify each video channel parameters on the "Motion" interface, as shown in the below picture:

Device	Network Al	arm Account System	Save Save
Display Setting			
Video Parameters	Channel	Channeli	¥
Schedule Record	Motion Detection		
Motion		C.uting	
Video Lost	Area settings	Setting	
Tampering Alarm	Sensitivity		н
Video Mask		Off Low -> High	
	Arm Schedule	Setting	
	Tiskor	Satting]
	- THRAFE	Detting	
			Сору То

- 1) Click " $\sqrt{}$ " in front of "Enable Motion Detection"
- 2) Set motion areas, as shown in the below picture:

- 3) Adjust sensitivity volume
- 4) Set arm schedule

5)Select trigger mode, as shown in the below picture:

Linkage				X
Trigger Mode	📃 Audio Warni	ng	📃 Alarm On Mo	onitor
	Email Links	ige	Upload to C	Center
	Trigger Als	arm Output		
	1	2	3	4
	— ,			
lrigger Kecording	ALL			
	1	2	3	4
		- B 10		0 12
	13	14	15	16
	17	18	19	20
	21	22	23	24
	25	26	31	28 32
				OK Cancel

5.2.5 Video lost

Modify each video channel parameters on the "Video lost" interface, as shown in the below picture:

Device	Network	Al arm	Account	Fi System		Save	
Display Setting							
Video Parameters	Channel	Channel1					-
Schedule Record							
Motion	🖉 Enable Video Lost						
Video Lost							
Tampering Alarm							
Video Mask	Arm Schedule				Setting		
	Linkage				Setting		
						Copy To	

- 1) Click " $\sqrt{}$ " in front of "Enable Video Lost"
- 2) Set arm schedule

3) Select trigger mode, as shown in the below picture:



5.2.6 Tampering Alarm

(Note: Fore-end IP Camera must support tampering alarm)

Modify each video channel parameters on the "Tampering Alarm" interface, as shown in the below picture:

Devi ce	Network	arm Account	System	Save
Display Setting				
Video Parameters	Channel	Channell		
Schedule Record				
Motion	👿 Enable Video Tampering			
Video Lost				
Tampering Alarm	Area settings		Setting	
Video Mask				
	Arm Schedule		Setting	
	Linkage		Setting	
			_	Copy To

1) Click " $\sqrt{}$ " in front of "Enable Video Tampering"

2) Area setting, as shown in the below picture:



- 3) Set arm schedule
- 4) Select trigger mode, as shown in the below picture:



5.2.7 Video Mask Setting

Modify each video channel parameters on the "Video Mask" interface, as shown in the below picture:

Device	el Network	Alarm Acc	count System		Save Save
Display Setting					
Video Parameters		÷			
Schedule Record	Channel	Channel1			_
Motion					
Video Lost	👿 Enable Video Mask				
Tampering Alarm					
Video Mask					
	Årea settings		s	etting	
				Cop	y 1o

- 1) Click " $\sqrt{}$ " in front of "Enable Video Mask"
- 2) Set mask areas, as shown in the below picture:

						200

5.3 Network parameters setting

Set the relevant parameters according to the need on the "Network" interface, as shown in the below picture.

Device Channe	el Network	Alarm Account System
Network Setting	NIC Type	10M/100M/1000M Auto
DDWS Setting	IP	192. 168. 50. 221 DHCP
NTP Setting	Remote Port	5050
Email Setting	Subnet Mask	255. 255. 255. 0
	Default Gateway	192.168.50.1
	MAC	00:32:14:97:15:29
	HTTP Port	80
	Multicast	255.255.1.0
	Enable Wi-Fi	Ti-Pi
	Enable 3G	33
		Advance

5.3.1 Network Setting

Modify the basic network parameters on the "Network setting" interface, as shown in the below picture:

Network Setting	NIC Type	10M/100M/1000M Auto
DDNS Setting	IP	192. 168. 50. 221 DHCP
NTP Setting	Remote Port	5050
Email Setting		
	Subnet Mask	255. 255. 255. 0
	Default Gateway	192. 168. 50. 1
	MAC	
	HTTP Port	80
	Multicast	255. 255. 1.0
	Enable Wi-Fi	Wi-Fi
	Enable 3G	\$9
		Advance

- 1) NTC Type:Select diverse network card according to the need
- 2) IP: Input the relevant IP address number(IP: 192.168.1.188 default)

- 3) DHCP:Click "√" in front of "DHCP", it will acquire a valid IP automatically according to the router DHCP
- 4) Remote Port: Input relevant remote port number
- 5) Subnet Mask: Input relevant IP subnet mask number
- 6) Default Gateway: Input relevant default gateway
- 7) MAC: Display present MAC address
- 8) HTTP Port:Input relevant port number (80 default)
- 9) Multicast: Edit relevant multicast address

10) WIFI: Click " $\sqrt{}$ " in front of "Enable Wi-Fi" after link wifi external attachment and then click

"Refresh", the device will search wireless automatically, input the relevant parameters, click"OK" to save it, as shown in the below picture:

Wi-Fi				_	x
SSID Security Type	Channel Si	ignal Strength	Speed(mbps)		
		200			
			Refresh		
-					
SSID		P	assword wep		
📃 IP Obtain Auto			DNS Obtain Auto		
IP	192.168.1.18	39	First DNS	192.168.1.1	
Subnet Mask	255.255.255.	0	Second DNS	192.168.1.1	
Default Cataman	102 169 1 1				
Delault Gateway	192.100.1.1				
			OK	Cancel	

11)3G: Click " $\sqrt{}$ " in front of "Enable 3G" after link 3G external attachment, relate device type, edit relevant phone number, and select work state, click "OK" after setting, as shown in the bellow picture:

3G	
Device Type	0.
Phone Number	
IP	
Work State	work with ADSL
APN	
	OK Cancel

5.3.1.1 Advanced setting

Set advanced configuration parameters on the "Advance" interface, as shown in the below picture:

Advance	
First DNS	202. 210. 230. 255
Second DNS	202. 210. 255. 255
Alarm host IP	
Alarm host port	0
🖌 Enable manage host 1	
Manage host 1 IP	58. 67. 147. 1
Manage host 1 port	50000
Enable manage host 2	
Manage host 2 IP	
Manage host 2 port	
Enable PPPOE	
Vser Name	
Device dynamic address	100. 100. 100
Password	
Confirm Password	
🖌 Enable UPnP	
	OK Cancel

1) Administer main machine to realize DVR register to the servers automatically

2) Enable PPPOE function to achieve NVR dialing

3) Click " $\sqrt{}$ " in front of "Enable UPnP", and setup HTTP port and TCP port it can match successfully, notice the port number can not conflict with other devices.

5.3.2 DNNS Setting

Through the DDNS server, there should be a PC with fixed IP address on the internet, and run this DDNS server on it.

Device Channe	al Network	Alarm Account System
Network Setting	Ruchle DDWS	
DDNS Setting		
NTP Setting	Server Type	3322
Email Setting	Server Name	members. 3322. org
	Port	80
	Vser Name	
	Password	
	Confirm Password	
	Domain	

- 1) Select DDNS server type (There are IP sever, Dyndns, PeanutHull, NO-IP and 3322 for selection)
- 2) Input the server name"For example: member.3322.org"
- 3) Input the port
- 4) Input the user name
- 5) Input the password
- 6) Confirm the password
- 7) Input the standby domain name

5.3.3 NTP Setting

Device Channel	el Network	Al arm	Account	System		Save	
Network Setting							
DDNS Setting	Enable NTP						
NTP Setting							
Email Setting	Server Address						
	NTF Port						
	Vpdate Frequency						Minute
	Select Time Zone	(GWT+11:00)Solor	oon Islands				
	GMT	12	Hour		Tinute Minute	🗹 Adjust	

- 1) Server Address: Input the IP of the NTP server
- 2) NTP Port: This SNTP only supports TCP transmission. It is default to 123
- 3) Update Frequency: Input the time interval needed to be adjusted
- 4) Select Time Zone: Select the time zone of different places
- 5) GMT: Do fine adjustment of time

5.3.4 Email Setting

Set up alarm linkage E-mail on the "Email Setting" interface, as shown in the below picture:



5.4 Alarm&Exception

Set the relevant parameters according to the need on the "Alarm" interface, as shown in the below picture:

Device Chann	el Network	Account System
Alarm Input		
Alarm Output	Alarm Input	
Exception	IP address	Local
	Alarm Name	Al armInFort01
	Alarm Status	Normally Open
	🖌 Alarm Handle	
	Arm Schedule	Setting
	Linkage	Setting
		Copy To

5.4.1 Alarm Input

Set alarm input parameters on the "Alarm Input" interface, as shown in the below picture:

Alarm Input		
Alarm Output	Alarm Input	
Exception	IP address	
	Alarm Name	Al arnInPort01
	Alarm Status	Normally Open
	🖌 Alarm Handle	
	Arm Schedule	Setting
	Linkage	Setting
		Copy To

- 1) Enable alarm processing
- 2) Set arm schedule
- 3) Select trigger mode, as shown in the below picture:

Linkage				X	
Trigger Mode	🖌 Audio Warni	ng	🖌 Alarm On Monitor		
	📃 Email Linka	ge	Vpload to (Center	
	🖌 Trigger Ala	rm Output			
	1	2	3	4	
Trigger Recording	A11	2	- <u>3</u>		
	5 9 13 17 21 25 29	6 10 14 18 22 26 30	11 15 19 23 27 31	8 12 16 20 24 28 32	
PTZ Linkage	Channel		Channel1	-	
	Enable Preset	-		-	
	-1		- <u> </u>	OK Cancel	

5.4.2 Alarm output

Set alarm output parameters on the "Alarm Output" interface, as shown in the below picture:

Device Chann	1 Network
Alarm Input	
Alarm Output	Alarm Output 1
Exception	
	TP Total
	Delay 55
	Arm Schedule Setting
	Copy To

- 1) Set alarm output delay
- 2) Set alarm schedule

5.4.3 Exception



Set abnormality on the "Exception" interface, as shown in the below picture:

5.5 Account Setting

Set the relevant parameters according to the "Account" interface, as shown in the below picture:

Device Channel	Netw	ork	il arm	Account	System		Save	X
Account Setting	User Name	Priority	IP combine	MAC combine				
Vser Online	admin	Administrator		00:00:00:00:00:00				
	default	Guest		00:00:00:00:00:00				
	User	Privilege		Delete Vser		Add User	Modify User	

5.5.1 User information Setting

Modify /Add/Delete the user or distribute user permission on the "Account Setting" interface, as shown in the below picture:

Device Channel	Netw	ork A	2 larm	Account	System		Save	
Account Setting	User Name	Priority	IP combine	MAC combine				
Vser Online	admin	Administrator		00:00:00:00:00				
	default	Guest		00:00:00:00:00				
	User	Frivilege		Delete User		dd User	Modify User	

User Privilege		X
Local PTZ	Upgrade and Format	Local Flayback
Local Manual Recording	Local View	
Local Playback	Local IP Device	2
Local Parameter Setting	Local Backup	3
Local Log Query	Local Reboot and Shutdown	5
Remote PTZ	Remote Preview	Remote Playback
Remote Manual Recording	Arm Software and Output	
Remote Playback	Remote Backup	1
Remote Parameter Setting	Control Serial Port Remotely	2
Remote Log Query	Remote View	3
Remote Upgrade and Format	Remote IP Device	4
Voice Intercom	Remote Reboot and Shutdown	5
		OK Cancel

5.5.2 User Online Checking

Check the current user connection status on the "User Online" interface, as shown on the below picture:

Device Channel	Network Alarm
Account Setting	User Name Login Type Iogin time IP 1 admin Remote 13-07-24 10:48:57 192.168.50.5
Vser Online	2 default Local 13-07-24 10:48:40
	Refresh

5.6 System administration

Set the relevant parameters according to the "System" interface, as shown in the below picture.

Device Channe	1	Network	Alarm	Account	System		Save	
Device Log	Mai: Sub	n Type of Log: Type:	All Type		-			
Stream Info.	Fro	n	2013-7-24 0:00:	00			Search	
HDD Setting	To		2013-7-24 23:59):59	;		Export	
		1	lime	MainType	SubType	:hanne	User	
Update	1	2013-07-24 10:	49:01	Exception	Video Lost	12		
Auto Reboot	2	2013-07-24 10:	49:01	Exception	Video Lost	13		
	3	2013-07-24 10:	49:01	Exception	Video Lost	14		
Recovery Configuration	4	2013-07-24 10:	49:01	Exception	Video Lost	15		
	5	2013-07-24 10:	49:01	Exception	Video Lost	16		
	6	2013-07-24 10:	49:01	Exception	Video Lost	18		
	7	2013-07-24 10:	49:01	Exception	Video Lost	19		
	8	2013-07-24 10:	49:01	Exception	Video Lost	21		
	9	2013-07-24 10:	49:01	Exception	Video Lost	22		
	10	2013-07-24 10:	49:01	Exception	Video Lost	23		
	11	2013-07-24 10:	49:01	Exception	Video Lost	24		
	12	2013-07-24 10:	49:02	Exception	Video Lost	20		
		~~) (9	

5.6.1 Device Log

Click "Device Log" on the "System" interface, check device log according to the video type and date time, as shown in the below picture:

Device Log	Mair	a Type of Log:	All Type				
	Sub	Туре:			-		
Stream Info.	From		2013-7-24 0:00:	:00 🖨 두		Search	
HDD Setting			2013-7-24 23:59):59			Export
		Т	ime	MainType	SubType	hanne	User
Vpdate	1	2013-07-24 14:1	11:41	Operation	Remote Logoff		admin[192.168.50.5]
Auto Reboot	2	2013-07-24 14:1	16:54	Exception	Video Lost	24	
	3	2013-07-24 14:1	17:47	Exception	Video Lost	24	
Recovery Configuration	4	2013-07-24 14:2	21:43	Operation	Local Login		admin
	5	2013-07-24 14:2	21:45	Operation	Enter setting		admin
	6	2013-07-24 14:2	21:53	Operation	Remote Login		admin[192.168.50.5]
	7	2013-07-24 14:2	21:54	Operation	Remote Arming		admin[192.168.50.5]
	8	2013-07-24 14:2	22:53	Operation	Remote Logoff		admin[192.168.50.5]
	9	2013-07-24 14:2	27:35	Exception	Video Lost	24	
	10	2013-07-24 14:2	28:29	Exception	Video Lost	24	
	11	2013-07-24 14:2	29:13	Operation	Remote Login		admin[192.168.50.5]
	12	2013-07-24 14:2	29:14	Operation	Remote Arming		admin[192.168.50.5]
		~					

1) Main Type of Log: All Type/ Alarm/ Exception/ Operation for selection

2) Sub Type: According to the different main types, have corresponding sub type for selection

- 3) From: Select a start time for log query
- 4) To: Select a end time for log query
- 5) Export: Export and display all query results

5.6.2 Stream Info.

View the stream information of each current channel on the "Stream Info." interface, as shown in the below picture:

Device Log	СН	Main Stream	Sub Stream	Main Stream	Sub Stream		
	1	2001(kb/s)	270(kb/s)	879(MB/H)	118(MB/H)		
Stream Info.	2	2065(kb/s)	280(kb/s)	907(MB/H)	123(MB/H)		
HDD Setting	3	1851(kb/s)	265(kb/s)	813(MB/H)	116(MB/H)		
	4	2025(kb/s)	267(kb/s)	889(MB/H)	117(MB/H)		
Update	5	2008(kb/s)	515(kb/s)	882(MB/H)	226(MB/H)		
Auto Behoot	6	2160(kb/s)	491(kb/s)	949(MB/H)	215(MB/H)		
	7	2140(kb/s)	538(kb/s)	940(MB/H)	236(MB/H)		
Recovery Configuration	8	1914(kb/s)	502(kb/s)	841(MB/H)	220(MB/H)		
	9	2024(kb/s)	318(kb/s)	889(MB/H)	139(MB/H)		
	10	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)		
	11	2051(kb/s)	485(kb/s)	901(MB/H)	213(MB/H)		
	12	2053(kb/s)	494(kb/s)	902(MB/H)	217(MB/H)		
	13	2156(kb/s)	485(kb/s)	947(MB/H)	213(MB/H)		
	14	1985(kb/s)	507(kb/s)	872(MB/H)	222(MB/H)		
	15	2004(kb/s)	522(kb/s)	880(MB/H)	229(MB/H)		
	16	1958(kb/s)	490(kb/s)	860(MB/H)	215(MB/H)		
	17	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)		
					-	Refresh	

5.6.3 HDD Setting

Click "HDD Setting", check HDD capacity / free space, and do format by click " $\sqrt{}$ " in front of HDD No. , as shown in the below picture:



5.6.4 System Update

Browsing the upgrade file on the "Update", click "Upgrade" to do software update.

5.6.5 Auto Reboot

There are Disable/ Every Day/ Every week/ Once options for selection, the device will restart according to the maintenance mode.

5.6.6 Recovery Configuration

Click "Export Configuration"/"Import Configuration"/ "Default" to make device do corresponding operation.

6. PTZ control



"Preset" setting: Rotate the camera to appropriate angle and position by PTZ directional buttons, select a preset number in the drop-down list, and click " "button.
Call preset: Select a needed preset number in the drop-down list, and click " button.
"Cruise" setting: select a cruise number in the drop-down list, and click " button, the

following interface will pop-up:

Cruise				X
Preset	Residence Time	CruiseSpeed		
Preset	1 -	Cruise	Time 1 🚔	CruiseSpeed
				Add Delete Close

On the "Cruise" interface ,Set preset, residence time, cruise speed, and click "Add" to add new cruise preset(support multiple presets) , click"Delete" to clear the preset.

Call cruise: Select a needed cruise number in the drop-down list, and click" button.

Cruise delete: Select a needed cruise number in the drop-down list, and click " delete" to clear the cruise.

- 3) "Track" setting: Select a track number in the drop-down list, click track start buttons to make PTZ operation, and click again to finish, track memory operate successfully.
 - Call track: Select a needed track number in the drop-down list, and click" "button.

7. Manual record

Manual recording have highest priority, whatever state of each channel at present, click "Manual" ,then all of the corresponding channel will do ordinary record, as shown in the below picture:



8. Manual snapshot

Select "Capture" on the main menu, Click" "in the lower right corner of the screen to do snapshot on the preview channel, and chec

9. Video Playback

Select "Playback" on the main menu to enter into channel select interface, check needed replay channels and the video image will retrieve automatically, as shown in the the below picture:



- 1) Pause: Pause the current playback
- 2) Stop: Stop the current playback
- 3) Slow: Slow down the playback speed (1/2, 1/4, 1/8, 1/16 times optional)
- 4) Fast: Speed up the playback process(2, 4, 8, 16 times optional)
- 5) Snapshot: Can be snapshot for any playback channel
- 6) Frame play: Sigel frame to play
- 7) Backup: Make video backup for any channel
- 8) Full screen: Video image playback with full screen
- 9) Volume: Adjust the volume of playback audio

Double-click channel bar or click "Play" button to play the backup video , double-click single channel screen to get full screen display

10. Screen Display Setting

Select "Display Setting" in the main menu, the following interface will pop-up

Display Setting	×
Resolution	1280_1024[60HZ]
Display	Setting
Language	English
Screen Mode	36 Screen 🔫
AutoLogout	0 🍧 Minute
Rotation Interval	5 🗳 (s)
Enable SEQ	
	OK Cancel

- 1) Resolution: Select different resolution according to the need
- 2) Display: Adjust the brightness/ contrast/ saturation/hue of the video screen display
- 3) Language: Different kinds of languages for selection (Simple Chinese, English, French, etc.)
- 4) Screen Mode: 1/4 /9 /16 Screen for section

5) Auto Logout: It will logout automatically with no operation during setting minutes 6) Rotation Interval: Set rotation interval time(seconds), Click " $\sqrt{}$ " in front of " Enable SEQ" to make video image rotation automatically

11.Video Backup Setting

Select "Backup" in the main menu, click" Refresh" after link USB external attachment to test if USB devices identified normally, when it identified normally the following information page will display:

Backup			x
	Channel	All	
	From	2013-7-24 0:00:00	
	То	2013-7-24 23:59:59	
	Backup to	Refresh	
	File Type	→ H264 ● MP4 → AVI	
	File Size		
	Process	0%	
		Unmount USB Start Stop E	xit
	Chann	ael All	
	From	2013-7-24 0:00:00	
	То	2013-7-24 23:59:59	

- Channel: Select relevant channel in the drop-down list according to the need
- From: Select a start time for video backup
- To: Select a end time for video backup

Click" Start" to make corresponding channel video backup, and show the backup process meanwhile.

12. Alarm setting

Select "Alarm" in the main menu, all the devices alarm information will appear on the list, as shown in the below picture:



13. File Manage

Select "File Manager" in the main menu, the file list column will show an external storage device backup files and local capture image, as shown in the below picture:



14. Image Setting

Adjust the video image brightness/sharpness/ Saturation/ tone volume on the "Image Setting" interface, as shown in the below picture:



15.Screen Aspect Ratio/Segmentation

Select "4:3" on the main menu, the video image will display at 4:3. According to the NVR version there are 4 screen/9 screen/ 16 screen/ 25 screen/ 36 screen for selection.

	4Screen	•	Series1
	9Screen	•	Series2
	16Screen	•	Series3
	25Screen	•	Series4
	36Screen		Series5
۲	Start	•	Series6