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Directory

This product is an excellent digital surveillance equipment designed specifically for the field of security. Embedded LINUX operating system, making the system more stable; using standard H.264MP video compression algorithms and a unique spatial and temporal filtering algorithm to achieve a high-quality, low bit-rate synchronous audio and video surveillance; powerful network services greatly enhance the ability of network data transmission and remote control capabilities.

Part 1 Basic Operation

1. Basic Installation

1.1 Hard Disk Installation

For the first use, please install the hard disk. The quantity of Hard Disk is based on requirement and specifications of the device. Note: DVR can run and monitor normally without hard disk, while it can't record and playback.

1.2 Mouse Connection

There are 1 USB port at back panel and 1 USB port at front panel, the 2 USB ports could be used for mouse, Flash stick, 3G & WIFI module, mouse connection is depend on products specifications based on different products.

2. Starting

Plug the power supply and turn on the power supply switch. Power supply indicator light shining indicates turning on the video recorder. After finishing the startup you will hear a beep, and the default setting of video output is multiple-window output mode.

Note: Restart the power after the abnormal power off, DVR will automatically recover the state before power off.

3. Turn Off

There are two methods to turn off the DVR which are soft switch and hard switch. Entering [Main menu] and choosing [Logout] in the [turn off the system] option is called soft switch. Pressing the power supply switch is called hard switch.

Note: The setting information must be saved before replacing the battery otherwise information will lose.

4. Login

When the DVR boots up, user must login and the system provides the corresponding functions with the user purview. There are two user settings which are admin and guest; and they have no passwords. "admin" is the super user purview; "guest" is the common user purview which have right to preview and recording playback. User "admin" and "guest" can change the password, but can't change the right.

SYSTEM LOGIN	
User Name Password	admin
Please Login	
ОК	Cancel

Password protection: If the password is continuous wrong seven times, the alarm will start. (Through reboot or after half an hour, the account will be unlocked automatically) For your system security, please modify your password in "User management" after first login.

5. Preview

Login normally and choose the multi-menu preview status. The system date, time and channel name are shown in each viewing window. The surveillance video and the alarm status are shown in each window. The normal interface have icons as bellow: channel name, recording mark, audio mark. when trigger alarm, it will be display: video detection, video shelter, video loss and etc alarm mark.

•			
			2016-12-28 16:04:51 Wed
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? 4 2 .D01	? 6 1 .002	? 4 ≌ .D03	? 6 2.004
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? 4 1 .D05	? 4 1 .D06	? 4. 1 .D07	? 4 2 .D08
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? 6 2 .D09	? 6 # D10	? 4 # D11	? 4 # .D12
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7 🖕 🖬 D 13	? 🖕 🖬 D 14	? 🖕 🖬 D 15	? 🖕 🖬 D 16

6. Remote IPC

6.1 Add IPC

Ways:

1.Right click-> Quick add

2.Right click-> Manual add or Main menu->System-> Remote device, as below

			2016-12-28 15:59:28 Wed
۲	۲	۲	۲
? 6. 2 .D01	Main Menu->Remote Device	₩. D03	? 4. 2 .D04
€	Online Equipment. 41 IP Address Port Protoci 1 IP2.168.3.6 8080 NVVF 2 IP2.168.3.6 8080 NVVF 3 IP2.168.3.8 8080 ONVF 4 IP2.168.3.8 8080 ONVF 5 IP2.165.3.10 8080 ONVF 6 IP2.165.3.16 8080 ONVF 7 IP2.165.3.24 8080 ONVF 8 IP2.165.3.24 8080 ONVF 8 IP2.165.3.64 8080 ONVF 8 IP2.165.3.64 8080 ONVF	MAC Add Edit 00.94.51.67.0e.01 + 2 00.91.79:1b.01.65 + 2 00.05.01.31.62.41.61 + 2 00.05.01.91.62.64.16 + 2 00.05.01.91.62.64.16 + 2 00.05.01.91.62.16.17 + 2 00.05.01.91.62.16.17 + 2 00.05.55.01.23.91 + 2 00.05.55.01.23.9	₽
	Added device	P Address Protocol Edit Delete	•
	÷	OK Cancel	- 1 • ■012

Online equipment

[search] to search IPC in LAN.

[add] choose the IPC you want to add

[quick add] add IPC for all vacant channel

[protocol] choose the protocol for connecting IPC, generally ONVIF.

Modifying IP address of IPC: click \swarrow , entering the "Modif IP" interface, then modify IP.

Added device

[delete] to delete added IPC

Manual add

Choose protocol, input IPC address, user name and password to add.

IPC PnP

After choosing the function, system will add IPC for vacant channel automatically every one minute.

6.2 Remote access configuration

Double click one IPC in added device box or click \angle , it will pop up the interface for remote configuration IPC as below.

Main Menu->Remote Device->Remote acc	ess configuration
Channel 1 Time syr	nchronization 😡
Protocol ONVIF Device T	ype IPC 🔽
Stream Main Stream Remote	access 1
Device address 192.168.3.9	
Port 8080	
Username admin Passwor	d
Remote operation list	
7 Type	Set
1 Device information	
3 Remote report	7 1
4 Restore default	Ž L
5 Video encode	<u> </u>
6 Color settings	
Delete Binding	G OK Cancel

[time synchronization] sync IPC and NVR in time

[user name]user name to log in IPC

[password] password to log in IPC

[delete binding] to delete IPC

Remote operation list

[device information] to check the information of IPC

[system time] to modify IPC time

[remote reboot] to reboot IPC

[restore default] restore IPC default configuration

[video encode] set video parameter, like resolution, frame rate, bit rate etc.

[color settings] to adjust the image in brightness, contrast, saturation, hue.

[machine name] to modify IPC name

Note: to modify NVR channel name, it's in system-> GUI display.

Quick operation

In preview interface, click to add IPC, click it to configurate IPC.

7. Recording Setting

Enter [Menu] \rightarrow [record] \rightarrow [record conf].	
ote: at least one hard disk to set as read/write disk.	
Main Menu->Record	
Channel 1 → Redundancy Length 60 min PreRecord 5 Sec.	
Mode OSchedule O Manual O Stop	
Regular Detect Alarm	
Period 2 00:00 - 24:00 U	
Period 3 00:00 - 24:00	
Period 4 00:00 - 24:00	
Default Copy OK Cancel	

7.1 Select Channel

Two ways:

- 1. Click drop-down button, choose channel, if choose "all", it will set all channel unified.
- 2. Put mouse cursor on channel number, scroll mouse wheel to find channel to set.

Channel Redundancy min PreRecord Soc. Mode dule O Manual O Stop Week Period 1 Soc. Period 2 Cochematication Period 3 Period 4 Period 4 Default Default Copy OK Cancel Cancel Cancel Cochematication Cochemati	Main Men	u->Rec	cord				
Default All Dopy OK Cancel	Channel Length Mode Week Period 1 Period 2 Period 3 Period 4	1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Redundancy min PreRecord dule O Manual - 24:00 - 24:00 - 24:00 - 24:00	5 Sec O Stop Regular	Detect	Alarm	
	Default	All	Сору		ок	Cancel	

7.2 Redundancy

Redundancy function is to keep record file double backup. It needs two hard disk to record, one is used as read/write disk, the other is used as redundancy disk.

7.3 Length

Each record file time length is defaulted 60 minutes. (no alarm record produced)

7.4 Prerecord

Prerecording means detect /alarm record start at the pre-recorded time before alarm signal occurs.

7.5 record mode

Recording mode includes: manual, stop, schedule.

[manual] manual record all the time no matter what status the channel is

[stop] no record no matter what status the channel is.

[schedule] if choose this type, need to set record types and time periods.

Record type

[regular] record named as "R" . It records by regular type when no special situation occurs in the time you set.

[detect] record named as "M". When one of the three signals triggered in the time period you set, which are "motion detect", "video blind" and "video loss", it will record by detect type.

[alarm] record named as "A". When "alarm input "signal triggered in the time period you set, it will record by alarm type.

Time period

Record works in the time period you set.

Set the parameters on week and period. There are four time period which can be continuous or discontinuous or repeated. Three record types are behind each time period to choose.

Main Menu->Record	
Channel T Redundancy	
Length [60] min PreRecord [5] Sec.	
Mode OSchedule O Manual O Stop	
Week Wed - Regular Detect Alarm	
Period 1 00:00 - 03:00	
Period 2 03 : 00 - 09 : 00	
Period 3 09:00 - 12:00	
Period 4 00:00 - 24:00	
CUI	
Default Copy OK Cancel	
vi S	

8. Record playback

Enter [main menu]->[record]->[playback]



8.1 Record query

Choose time, click	to query, after that, c	ick 🔳 to ente	r file list interface.
	● • • • • • • • • • • • • • • • • • • •	14 15 16 17 13 19	10:00:00 11:59:59 StartTime Type 10:00:36 M 10:00:36 M 10:01:10 R 10:11:24 M 10:11:24 M 10:11:24 M 10:11:24 M 10:11:24 M 10:11:24 M 10:12:22 R 10:12:28 M 10:13:29 R 10:13:29 R 10:14:25 M 10:16:35 M 10:16:57 M 10:16:57 M 10:16:57 M 10:16:21 R 10:28:37 M 10:28:37 M 10:28:33 M 10:28:33 M 10:30:37 R 10:31:38 M 10:31:38 M 10:31:30 M 10
Sync Mode	💭 All 😡 Regular 🐻 Alarm 😥 Manual		Q 144 Q 214 Q 117 Q 3046
[time period query]	00: 00: 00 23: 59: 59		~
recording mode qu	iery	n 🖌 Manual	

..

C'1 1'

If there are record, it will appear in the list on the right of the interface.

8.2 Record play

Double click the file in the list which you want to play, or click "play" button.



full scream	Key function	
	play	
	recording playback	
0	stop playback	
	slow play	
	reverse fast	
	fast play	
	last profile	
ÞI	next profile	50
	previous frame	
	next frame	
(3)	loop control	
Ð	full scream	

When playback record, you can take the above operation except "previous frame" and "next frame".

When pause playback, the operation on "previous frame" or "next frame" works.

9. Net work setting

enter [Main Menu]>[System]>[Network]

(IPaddress): Set the IP address. Default: 192.168.1.18;

[Subnet Mask] : Set the subnet mask code default 255.255.255.0;

[default gateway] : Set the default gateway default 192.168.1.1.

lain Menu		<u>iiii</u> >>>		
Record	Alarm	System Advance	d Info	
emote Device	General	Encode	Network	
GUI Display	85232	Tour	Oigital	5

Make the equipment' s IP address and the router in the same network segment. if the router IP address is 192.168.1.1, and the subnet mask is 255.255.255.0, It works by default network setting.generally the default gateway is the router IP address.

10.Motion detection Setting

Make sure IPC alarm enable before setting NVR alarm.

	Main Menu->Alarm Set	
	Channel Alarm Type Motion Dete High	Enable D Region Set
N	PeriodSetAlarm Output1Record Channel123456Tour123456PTZ ActivationSetShow MessageIBuzzerI	Interval 0 Sec. Delay 10 Sec. 7891011213141516 78910111213141516 Record delay 10 Sec. Send Email 0 FTP upload 0
	Default Copy	OK Cancel

10.1 Alarm function

Choose channel, time period, and tick the enable box, enter OK, then alarm function works.

[interval] in the interval time, several times motion detect happens, only trigger one alarm signal. It also means it alarm only one time.

10.2 linkage setup

Linkage setup is to make reactions when alarm occurs.

10.2.1 Alarm output

when alarm occurs, the external alarm device react.

[delay] when alarm signal triggered ,alarm output last for the delay time. Set the time you want.

11

-0

10.2.2 Record

When alarm occurs, it will record by detect type

	Main Menu->Alarm Set
	Channel Alarm Type Motion Dete Enable Sensitivity High Region Set
SV1	PeriodSetInterval0Sec.Alarm Output1Delay10Sec.Record Channel1234567891011213141516Tour1234567891011213141516PTZ ActivationSetRecord delay10Show MessageSend EmailIBuzzerFTP uploadI
	Default Copy OK Cancel

[delay] when alarm signal triggered, the record last for the delay time. Range: 10 sec.-300 sec.

Note: linkage record working also need to set in "record conf" interface. Make sure alarm period is in the range of record period.

10.2.3 tour

when alarm signal unggered, it will tour channel by channel	When	alarm	signal	triggered	, it wil	l tour	channel	l by	channe	I.
---	------	-------	--------	-----------	----------	--------	---------	------	--------	----

Main Menu->Alarm Set	
Channel 1 T Alarm Type Motion Dete T Ena Sensitivity High T Re	able 😡 gion Set
Period Set Inte Alarm Output [1] Del	erval OSec.
Record Channel 12345678 Tour 12345678 BTZ Astivation Oct	
Show Message Set	nd Email
Default Copy	OK Cancel
PTZ	, CV

10.2.4

When alarm signal triggered, the PTZ react.

	Main Menu->Alarm Set
	Main Menu->Alarm Set->PTZ Activation
	CAM 1 None CAM 2 None CAM 2
	CAM 3 None 0 CAM 4 None 0
	CAM 5 Tour O CAM 6 None V O
	CAM 7 Pattern 0 CAM 8 None V 0
	CAM 9 None 🔽 O CAM 10 None 🔽 O
	CAM 11 None 🔽 O CAM 12 None 🔽 O
	CAM 13 None 🔽 O CAM 14 None 🔽 O
	CAM 15 None 🔽 O CAM 16 None 🔽 O
_	OK Cancel
	Default Copy OK Cancel

Note: before linkage PTZ, set the parameter in "PTZ control" interface through right-click menu

10.2.5 Send EMAIL

When alarm signal triggered, sending email at the same time.

Note: enter [system]->[net service]->[email] to set parameter firstly.

10.2.6 Show Message

Alarm status prompt will be shown on screen when alarm triggered.

10.2.7 Buzzer

When alarm triggered, it will beep.

11. PTZ Control

PTZ function is determined by PTZ device. Right click->PTZ control



con

11.1 Basic Settings

[control direction] to turn in eight different directions [speed] speed of PTZ turning

[zoom] adjust camera magnification by

[focus] narrow camera focus by adjusting

[iris]adjust camera iris by 🕒 🕒

[PTZ trace] press mouse left key, PTZ turn quickly. [set] set about PTZ function [page switch] use PTZ function 11.2 PTZ function setting

Click [set] to enter "PTZ conf" interface.

Preset

Set certain position as preset point. Then when call the preset point value, PTZ will turn that position automatically.

ĊO

1) preset setting

Step 1: turn PTZ to the position you want, click"set" to enter "PTZ conf"

Step2: click"preset", input preset value

Step3: click "set"

Finally ,the preset value is correspond with the position you set.

2) Call preset

Step1: click "page switch" to enter "PTZ control"

Step2: input the value of preset point

Step3: click "preset" button

Finally, PTZ will turn to the position you set.

Part 2 Remote Control

1. WEB Remote View

After connecting network, open IE browser, input device IP address to enter into the device. For details please refer to the web client user manual.

2

ecur



Web log in interface

_				1000	Constant of the second	
300 C	20-4001-01-01-01-01-01-01-01-01-01-01-01-01-		~ • • •	0 0	1000	
ebdert A	Concession in the local data	Par copp	And a state	and then	divideo:	A .
0 0 001						110
2000						- 0
0 0 003						
0 0 004		- 61	215	2.5		
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0000						(f) 2007
0000						(1) ·
0 0 008						C House
0000	111111		the same of the			(t) (t)
0 0 010	C (CAS)		- Anne		11110	Pest Com
0 0 011						Test
00012						
0 010						COLUMN 1
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0 0 016						
0 0 016						
0 0 012						
0.010						and the second se
D O Dite	2040	Barran .	Sec. Come	Contraction of the local division of the loc	Harlins.	
00.000	7.0		-3. 0			
0 0 021						
0 0 022						
C 0 0 0						

Web main interface

2. CMS3.0

CMS software is used in a computer, and manipulates several device at the same time.





3.Cloud server

By Cloud server, no mapping port, only need device ID, then you can remotely access the device directly. For more details please refer to Cloud server user manual.

Cloud Server		Language	English	~
Optimization of Connection. Please Updata ActiveX/Plugin Watm P S Users can use the new version to clear the browser			X	X
CLOUD	By user By Device Username Password <u>End password Cownload Register Login </u>		1	
	Copyright © 2012-2014	5		
Log in interface	Chj,			

Note: enter into System->Network service->Cloud, check out Server IP and device ID. As below:

	·				
	Mai	n Menu->Network-	>Net Service		
	Nic	Cloud			
	PF NT EN IP DI	Enable Server IP www.topscloud.net Port 5800 Device ID av82fffc5d			
	FT	iOS	Android	SN	
NN					
	L		Default	ОКСа	ancel

4. Mobile Phone Monitoring

Our device support mobile phone monitoring, like IPhone or Android system phone. Note:Defaulted Mobile Monitoring service is enable. mobile phone client software is "RView",port is 5800.

Appendix 1. Remote controller operation

1) (1) (2) (2) (3) (4) (5) (6) (7) (8) E系列通控器					
		E (0)(7) (4) A, B, ((2) C 系列遥控器 	.om	
	Serial number	Name	Function		
	1	Multi-cha nnels button	Multi-channels preview		
	2	Number button	Password input/number input/ channel switch		
	3	[Esc]	Back to up window		
N	4	Direction button	Direction and OK button		
	5	Playback operate	Playback Basic operation		
	6	Record control	Enter into record menu		
	7	Remote controller	Input the number of DVR to control it		
	8	FN	Assistant function		

Appendix 2.Mouse operation

*Take right hand as an example

	-But many as an enampre					
	Operation	Function				
		Double click one item in the file list to playback the video				
		Double click the playback video to zoom in or out the screen				
	Double left click	Double click the channel to make it full screen display in preview				
		double click again back to the multi-channel display				
	Left click	Choose according option in the menu				
	Dight click	Pop up desktop shortcut menu in preview interface				
	Right click	Pop up shortcut menu when operating menu				
. 1	N.	Add or subtract number value in the number setting				
n.	Wheel button	Switch the items in the combo box				
N.		Page up or down in the list				
	Move mouse	Choose the widget or move the item in the widget				
	D	Set the motion detect area				
	Drag mouse	Set the cover area				
	L					

Thank you for reading, if you have any questions please contact us.