

Important Safeguards and Warnings

Do not place the heavy object on the NVR.

Do not let any solid or liquid fall into or infiltrate the NVR.

Please brush the printed circuit boards, connectors, fans, machine box and so on regularly. Before the dust cleaning please switch off the power supply and unplug it.

Do not disassemble or repair the NVR by yourself. Do not replace the electronic components by yourself.

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1. Production Introduction

1.1 Product overview

The series NVR is designed specially for security and defense field which is an outstanding digital surveillance product. It introduces embedded LINUX operating system which is more stable. It introduces standard H.264mp video compressed format and G.711A audio compressed format which insures the high quality image, low error coding ratio and single frame playing. It introduces TCP/IP network technology which achieves the strong network communication ability and telecommunication ability.

The series NVR can be used individually or online applied as a part of a safety surveillance network. With the professional network video surveillance software it achieves the strong network communication ability and telecommunication ability.

The series NVR can be applied in the bank, telecom, electric power system, judicial system, transportation, intelligent housing, factory, storehouse, water conservancy and so on.

1.2 Main functions

Real-time surveillance

Analog interface VGA interface and HDMI interface , surveillance functions through monitor or display.

The phone wireless monitor function.

Storage

• Non-working hard disk dormancy processing which is convenient to radiate heat, reduce power and extend the life-span.

- Special storage format which insures the data safety.

Compression

• Real-time compression by individual hard disk which insures the audio and video signal stable synchronization.

Backup

• Through SATA interface and USB interface such as USB equipment, removable hard disk and so on.

Through net download the files in the hard disk.

Playback

• Individual real-time video recording as well as searching, playback, network surveillance, recording check, downloading and so on.

• Multi-channel playback mode.

• Zoom at arbitrary region.

Net operating

• Through internet to real time surveillance, operate Settings menu, video download backup operation, etc.

• Remote control PTZ.

Remote checks the recording and real-time playback.

Alarm linkage

• Only one channel relay alarm output which is convenient for the alarm linkage and light control at the spot. (Optional).

• protecting circuits at the alarm input and output interface which protects the main machine from damage.

Communication interface

• RS485 interface which fulfills the alarm input and PTZ control.

• Standard Ethernet network interface which fulfills the telecommuting function.

• IPC signal input function.

· With USB interface, 3G and WIFI wireless network connection

Intelligent features

Mouse action function.

· Fast copy and paste operating for the same setting.

- Support cloud access technology, Make network monitoring more easily (Optional).

2. Open-package check, Products understanding and cable connection

2.1 Open-package check

When you receive the DVR, please check first.

First, please check whether there is any visible damage to the package appearance.

Then, please open the machine crust and check the data wire in the front panel, power wire, the connection between the fan power and the main board.

Note: Please carefully check the bottom or back on the product type and consistency. Label affixed by the base plate or on the rear panel, Label, has a very important significance, please protect. When contact with our customer service, will need you to provide label type and serial number.

2.2 Understanding of the front panel

Front panel button operation function table (Note: This manual is a generic manual, Please prevail in kind).

No	Button name	Mark	Function	
1	Shift function button	SHIFT	Shift in the number button, character button and other function button during the user under input state	
			Remove the cursor	
			Add or decrease number during the user edit state	
		V A	Change the setting in the menu	
	Direction button		Surveillance pictures, into the single channel or	
			multi-channel image surveillance.	
2			Remove the cursor when the main menu or sub menu is	
_			popped	
		<>	Remove the cursor during the playback mode	
			Enter former or after channel surveillance during single	
			surveillance image	
		ENTER	Confirm	
	Main menu/Confirm		Enter main menu or next grade menu	

	button				
			Back to the above level menu or cancel operation in the		
•		500	operation menu		
3	Cancel button	ESC	Back to the real-time surveillance during the playback		
			state		
4	Play previous file	• 4	Play previous video during the playback state		
4	button	19			
E	Play next	N	Play next video during the playback state		
5	file button	P 1			
6	Slow play	•	Play in the multi-low or regular speed video during the		
0	Slow play		playback state		
7	Fast play		Play in the multi-fast or regular speed video during the		
'	i ast play		playback state		
8	Playback/pause	11/◀	Playback the video or pause during the playback state		
	button	11/ 3			
9	Play/pause button	▶/	Play the video or pause during the playback state		
			Start/stop the video recording manually. With the		
10	Recording button	REC	direction button choose the channel in the recording		
			control menu		
11	Recording search	SEARCH	Search recording files		
	button				
12	PTZ control button	PTZ	Enter PTZ setting, PTZ control		
13	USB interface	USB	Connect USB device. Eg: USB flash drive, mouse etc.		
14	Power switch button	POWER	Power switch button		
15	Menu Switch	FN	Switch back and forth to the main menu		
10	Remote controller	ID	Receiving remote control signal		
10	receiver	IK			
17	HDD indicator light	HDD	HDD is during working state if lighted		
18	HDD information	INFO	Check HDD information, state		
10	button				
19	Alarm indicator light		Trigger alarm if lighted		
20	Pause button	STOP	Stop playing recording file		
21	Channel 1 button	Ħ	Display channel 1 image		
22	Channel 2 button	E	Display channel 2 image		
23	3 Channel 3 button		Display channel 3 image		
24	4 Channel 4 button		Display channel 4 image		
25 All channels button 📃 Display all chann		Display all channels			
26	Single channel display	\odot \odot \odot	Single surveillance image preview according to referred		
	button	1 2 3	number		
27	Network connection		Network connects normally if lighted		
	indicator light				
28	Backup button	BACKUP	Back up recording files		
29	Power indicator light	Ċ	Power is connected if lighted		

20	Recording	indicator	10	DVR is recording if lighted
30	light		×**	

Table 2.1 Front panel button operation function table

2.3 Understanding of the rear panel

Note: Below are rear panels of some of our representative models. Pls take the real object as final, these are

Just for reference.



Note: Some models have front panel USB interface, this interface with the top of the rear panel USB port are mutually exclusive, only one interface is effective at the same time. USB at the bottom of rear panel is independent and effective.

2.4 Installation connections sketch map



3. Basic operation

3.1 Login

When the DVR boots up, the user must login and the system provides the corresponding functions with the user right. There are 3 user settings: *Admin, Guest* and *Default*. *Admin* default have no PW. *Admin* as super user. *Guest and default are* the common users at the factory presetting.

SYSTEM LOGIN						
User Name Password	admin •					
Please Login	Cancel					

Picture 3.1 SYSTEM LOGIN

Password protection: If the password is continuous wrong seven times, the alarm will start. If the password is continuous wrong five times, the account will be locked. (After reboot or half an hour, the account will be unlocked automatically).

For your system security, please modify the username & password after first login.

3.2 Preview

You can right click mouse to choose the switch between the windows.

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.

1		Recording status	3	?-	Video loss
2	V "	Motion detect	4	₽	Camera lock

List 3.1 Preview icon

3.3 Desktop shortcut menu

In preview mode you can right click mouse to get a desktop shortcut menu, as picture 3.2. The menu includes: Main Menu, Guide, Playback, Record Mode, PTZ control, High-speed PTZ, Color Setting, Output Adjust, Info, Logout, View 1, View 4, View 8, View 9, View 16 and Hide.



Picture 3.2 Desktop shortcut menu

3.3.1 Guide

This function can guide user to open "Cloud service" \rightarrow "QR code" \rightarrow "Network config." \rightarrow "Remote device" and so on.



Picture 3.3 QR code

In "Network config.", setting IP Address, Network Testing, Subnet Mask, Gateway, Primary DNS, Secondary DNS, TCP Port, MTU Port, HTTP Port, HS Download, Transfer Policy and so on.. As pic 3.4:

	Network Config.
Net Card	Wire Netcarce DHCP Enable
IP Address	192 . 168 . 1 . 15 Network Testing
Subnet Mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 1 . 1
Primary DNS	192 . 168 . 1 . 1
Secondary DNS	0.0.0.0
TCP Port	34567 MTU 1500
HTTP Port	80
HS Download	<u> </u>
Transfer Policy	Quality Pref∈ ▼
	Pre Page OK Cancel Next Page

Picture 3.4Network Config.

In Network Testing ,test whether DVR is connected with router or other network device properly.

Step: Input IP address directly, click PING. As pic 3.5.

Network Testing
192.168.1.130PING4 packets transmitted, 4 packets received, 0% packet loss round-trip min/avg/max = 0.350/0.379/0.457 ms

Picture 3.5 Network Testing

Setting "Remote Devicesetting" according to picture 4.5.2.

3.3.2 Playback

Play the video files in the hard disk.

Select " desktop shortcut menu " $\rightarrow \rightarrow$ "playback" $\rightarrow \rightarrow$ "search" $\rightarrow \rightarrow$ "play" appear as shown in Figure 3.3; Note: The hard disk that saves the video files must be set as read-write or read-only state.



Picture 3.6 Playback

1. HDD switch 2. recording search calendar 3.recording search 4.playback channel selection 5. playback page switch 6. playback time selection 7. Playback time period, click progress bar then can playback 8. playback file type (the period with recording file is opposite status) 9. playback control keys

recording file search calendar: Search recent recording file.

file information: Search recent recording file.

Synchronization: Mode: to realize multi-channel playback synchronously.

[Playback control] Refer to the following sheet for more information.

Button	Function	Button	Function	
D / U	Play/Pause		Backward	
	Stop/Close	V	Fast back play	

	Full screen		Fast play
14	Previous frame	1	Next frame
144	Previous file	×	Next file
3	Circulation	X	Cut (some models without)

Form 3.2 Playback control key list

Note: Frame by frame playback is only performed in the pause playback state. Operation hint: Display the function of the cursor place.

Special Functions:

Local zoom: When the system is in single-window full-screen playback mode, you can drag your mouse in the screen to select a section and then left click mouse to realize local zoom. You can right click mouse to exit.

3.3.3 Record Mode (take 16CH DVR for example)

Please check current channel status: "•" means it is in recording status.



Picture 3.7 record mode

Schedule: It records according to the set parameters in "main menu" and "record" \rightarrow "record plan".

Manual: Click the all button and the according channel is recording no matter the channel in any state.

Stop: Click the stop button and the according channel stops recording no matter the channel in any state.

3.3.4 PTZ Control

Operation interface is as followed. The functions include: PTZ direction control, step, zoom, focus, iris, and setup operation, patrol between spots, trail patrol, boundary scan, assistant switch, light switch, level rotation and so on.

Note : 1. Decoder 485+、485- line connects with DVR 485+、485- line. The connection is right.

- 2. Click "main menu"→"system"→"PTZ Config " to set the PTZ parameters.
- 3. The PTZ functions are decided by the PTZ protocols.



Picture3.8 PTZ Control

Speed: Set the PTZ rotation range. Default range: 1 ~ 8.

Zoom: Click / I button to adjust the zoom multiple of the camera.

Focus: Click / I button to adjust the focus of the camera.

Iris: Click / 🗄 button to adjust the iris of the camera.

Direction control: Control the PTZ rotation. 8 directions control is supportive.

PTZ Trace: Full-screen show channel image. Left press mouse and control PTZ to rotate orientation.

Left press mouse and then rotate the mouse to adjust the zoom multiple of the camera.

Set: Enter the function operation menu.

Page Switch: Switch between different windows.

3.3.5 High-Speed PTZ

After choosing, it displays the chosen channel to full screen. Click left button of mouse, can control the PTZ to fast move and orientation. And can adjust camera's magnification factor by move mouse roller

3.3.6 Output Adjust

Adjust output area parameters



Picture 3.9 Output adjust

3.3.7 Digital Channel

System Information menu items include: one key add, Channel Management, Channel Status. (as following picture 4.5"Channel type")

3.3.8 Version Info

System Information menu items include: Version, HDD Info, BPS, LOG, Online Users.

3.3.8.1 Version

Display the basic information such as hardware information, software version, MAC, issue data and Serial No and so on.

Note 1: The Serial No is needed when using cloud technology, please enter the Serial No correctly when using cloud technology to do remote control, or you can't login.

Note 2: MAC is the MAC address of the device, also is the device mark when login by device with ARSP service; please enter the MAC address correctly when using ARSP service to do remote control, or you can't login.

(Some model without ARSP function).



Picture 3.10 Version information

3.3.8.2 HDD Info

Display the hard disk state: hard disk type, overall capability, residual capability, the recording time and so on.

2	HDD Info						
	SATA	1 2					
		0 -					
			Туре	Capacity	Left Capacity	Status	
	All			465.76 GB	0.00 MB		
	1-1*	Read	l/Write	465.76 GB	0.00 MB	Normal	
				(View recordi	ng times	Cancel

Picture 3.11 hard disk information

3.3.8.3 BPS

	/////		BPS	11.11	
Channel	Kb/s	MB/h	Channel	Kb/s	MB/h
1	3497	1539	9	0	0
2	2262	988	10	0	0
3	3816	1657	11	0	0
4	0	0	12	0	0
5	0	0	13	0	0
6	0	0	14	0	0
7	0	0	15	0	0
8	0	0	16	0	0
					Cancel

Display the code stream (Kb/S) and hard disk capability (MB/H) in real time.

Picture 3.12 Code stream statistics

3.3.8.4 LOG

Look up system log according to the set mode.

Log information include: system operation, configuration operation, data management, alarm affair, recording operation, user management, and file management and so on. Set the time section to look up and click the look up button. The log information will display as a list. press **delete** button to clear all the log information.

///////	111111111	LOG	11.1111	
Type All	-			Search
Start Time	2014 - 09- 25 00	00:00		Pre Page
End Time	2014 - 09- 26 00): 00: 00		Next Page
42 Log T	ime	Туре		
1 2014-	09-25 13:41:49	Reboot		
2 2014-	09-25 13:41:49	Account Rest	tore	F
3 2014-	09-25 13:41:49	Log In		
4 2014-	09-25 13:41:52	Save Configu	Iration	
5 2014-	09-25 13:42:25	Log Out		
6 2014-	-09-25 13:42:25	Log In		
7 2014-	-09-25 13:43:52	Save Configu	Iration	
8 2014-	-09-25 13:44:27	Save Configu	Iration	
9 2014-	09-25 14:28:34	save system	state	
10 2014-	09-25 14:28:34	Log In		
11 2014-	09-25 14:29:15	Log Out		
12 2014-	-09-25 14:29:15	Log In		
12 2014	00 25 14.20.21	Configu	rotion	
			Demove	Cancel
			Treniove	Cancer

Picture 3.13 log information

3.3.8.5 Online User

Look up the network user information in the local DVR. You can choose the network user and cut the connection. Then the user is locked until next boot-strap.

	Online User	
User Name	IP	Login Type
admin	192.168.1.130	WeD
		Disconnect Cancel

Picture 3.14 online user.

3.3.9 Logout

Logout, shutdown the system or reboot up.





Logout: Quit the menu. Offer password next entrance. Shutdown: Quit the system. Turn off the power supply. Reboot: Quit the system. Reboot up the system..

4. Main Menu

When User login, right click mouse, the shortcut menu will appear at the bottom of the screen, then left click the first item to enter the main menu interface. As picture 4.1 shows.

Main Menu						
	3				Ö	
General	Record	Network	Alarm	Switch	System	
Lan Video Res Syste HD	guage Standard olution em Time D Full		ENGL PAL 1280*1 2014-09-23 Overw	ISH - 024 5 16:43:42 rite	· · · · ·	
Dv Trans	R NO. parency			J	255	
Т	our		DisEr	nable		
			ОК	Cancel /	Application	

Picture 4.1 Main menu

Note: Click "FN" on remote controller can shift different setting interface of main menu.

4.1 General

On the system of general information configuration.(as shown in Picture 4.1 Main menu)

Language: choose related operating language

Video standard: Set Device's video system (PAL or NTSC are optional)

Resolution: Set output resolution

System time: Set Device's current system date & time, time format

HDD full: Stop: the hard drive is full, stop recording.

Select overwrite: when the hard drive is full, overwrite the earliest recording files..

NVR No: using under the situation that one remote controller control many NVRs. Only click "ADD"on remote control and enter local number, the related NVR can respond. Re: when "Local No "is "0"

Transparency: Adjust the transparency or operating menu

Tour: set screen tour display, ☑ shows tour was opened. Single screen, four screens, eight screens, nine screens, sixteen screens etc. separate mode and mixed mode tour are optional. (As 16CH for example as blow).

H.H.H.H.H.H.H.H.H.H.H.H.H.H.H.H.H.H.H.	Tour	11/1//		
Enable Tour Interval All View 1 View 4 View 8	5 1 2 3 4 5 6 1 2 3 4 1 2 3 4 1 2 3 4)Sec. 7 8 9 10 1 7 8 9 10 1	1 12 13 14 19 1 12 13 14 19	16
View 5 View 16 Alarm Tour Type	1			
Interval	5	Sec.		
Return after finished	2			
			ок	Cancel

Picture 4.2Tour setting

4.2 Record

Set recording parameter (main stream) and network parameter (extra stream) of video and audio signal.

Set the Device's recording plan.

Note: There is at least one read-write hard disk.

Main Menu							
				DUR	Ö		
General	Record	Network	Alarm	Switch	System		
Ch	annel						
	Set	Mair	n Stream	Extra	Stream		
Video	Video/Audio		o/Audio 🔤	Sto	op y		
Res	Resolution		44*1408) 🔽	5M(374-	4*1408) 🔽		
Frame F	Rate(FPS)		25 💽	25 7			
Bit Ra	ate Type		'BR 🔽	VB	R		
Qu	uality	hig	jhest 🔽	high	iest 🔽		
Bit Ra	ite(Kb/S)						
Reco	ord Plan		••				
			ОК	Cancel	Application		
					photoon		

Picture 4.3 Record config

Channel: Choose the corresponding channel number to set the channel. Choose the all option to set the entire channels.

Set: Recording parameter (main stream) and network parameters (extra stream) illustrate **Video/Audio:** Set whether to record video and audio simultaneously.

Resolution: Set recording resolution. The Higher resolution, the better recording quality, occupies more HDD capacity. Conversely, the lower resolution, the worse recording quality,

occupies less HDD capacity.

- **Frame Rate (FPS):** set recording FPS; the higher recording FPS, the better fluency of recording images and occupies more HDD capacity. Conversely, the lower recording FPS, the worse fluency of recording images and occupies less HDD capacity.
- **Bit Rate Type:** Set whether recording stream changes automatically according to image changes Adjust recording quality, six grades are optional

Quality: Adjust the video quality, grade six kinds of optional.

Bit Rate (Kb/S): set recording stream statics under fixed stream state; The Higher Stream statics, the better recording quality and occupies more HDD capacity. Conversely, the lower Stream statics, the worse recording stream statics quality and occupies less HDD capacity.

Notice : when NVR can not identify the front-end IPC , above recording parameter is not optional, the NVR will be recording according to setting parameters of "main stream" Of front-end IPC

/////	//////	Re	cord Plan	11.111	
Channel Length	1 - 60 m	Redund	ancy	Sec.	
Week	Thu -		nual O Stop Regula	ar Detect	
Period 1	00:00 -	24:00			
Period 2	00:00 -	24:00			
Period 3	00:00 -	24:00			
Period 4	00:00 -	24:00			
			Advanced	ок	Cancel

Recording plan: Set NVR's recording plan

Picture 4.4 Recording Plan

Channel: Choose the corresponding channel number to set the channel. Choose the all option to set the entire channels.

- **Redundancy:** Choose the redundancy function option to implement the file double backup function. Double backup is writing the video files in two hard disks. When you do the double backup, make sure that there are two hard disks installed. One is read-write disk and the other is redundant disk.
- Length: Set the time length of each video file. 60minutes is default value (A maximum of 120 minutes).

Pre Record: Record 1-30 seconds before the action. (Time length is decided by the code stream)

Mode: Set video state: configuration, all or stop.

- Schedule: Record according to the set video type (common, detection and alarm)and time section.
- **Manual:** after choosing manual button, the related channel will carry common recording whatever state the current channel is.
- Stop: Click the stop button and the according channel stops recording no matter the channel

in any state.

Week: set (Monday to Sunday) or full week to record, it will just record in set days

Period: Set the time section of common recording, the recording will start only in the set range. **Recording type:** Set recording type: regular, detection or alarm.

Regular: Perform the regular recording in the set time section. The video file type is

"R".

Detect: Trigger the "motion detect", "camera mask" or "video loss" signal. When above alarm is set as opening recording, the "detection recording" state is on. The video file type is "M".

Alarm: Trigger the external alarm signal in the set time section. When above alarm is set as opening recording, the "detection recording" state is on. The video file type is "A".

Note: related alarm function setting, pls refer 4.4 alarm function to have detailed setting ways

4.3Network

Main Menu										
							DVR			Ö
General	Record	N	etwork		Alarn	n	Sw	itch	S	ystem
Netw	orking				St	atic	IP			
IP A	ddress		192		168		1		37	
Subn	et Mask		255		255		255		0	
Gat	teway		192		168		1		1	
Prima	iry DNS		8		8		8		8	
Second	dary DNS		202		101		172		35	
Med	ia Port					345	67			
НТТ	P Port					8()			
Net	Server					•	-			
					ОК		Cano	el	Appl	ication

Picture 4.5 network setup

Net Link Mod: Set automatically gets or manually enters IP address

IP address: Set the IP address.

Subnet Mask: Set the subnet mask code.

Gateway: Set the default gateway.

Primary DNS: Set Preferred DNS

Secondary DNS: Set spare DNS

Media port: Set port for recording network transmission

HTTP port: Set HTTP Port

Net Service: set all network service. Pls refer 4.3.1 network service to have detailed setting ways.

4.3.1 Net Service

Advanced network functions on the configuration, double-click the Net Service button to enter the Picture 4.6 interface, first select the Network Services entry and click the Settings button, or double-click the service parameter configuration items.

	NetService	×
Net Server PPPoE NTP EMAIL IP FILTER DDNS FTP ARSP Wireless Config Mobile Monitor UPNP Wifi RTSP Cloud	Net Server Info 1: 0: time.windows.com:10 0: smtp.gmail.com:465 0: :0 :0 DDNS Set Invalid 0: FTP Not enabled 1: ViewEasyV2:34600 0 Not enabled 1: 554 Enable: av104d7cb5	
	Set OK Cancel	

Picture 4.6 network service

[PPPoE setup]

	PPPoE
Enable User Name Password IP Address	
	OK Cancel

Picture 4.7 PPPOE

Input the user name and password that ISP (Internet service provider) provides. After saving it reboot up your system. Then the DVR will build a network connection based on PPPoE. The IP address will change into dynamic IP address after above operation is well done.

Operation: After PPPoE dialing successfully look up the IP address in the IP address and obtain the current IP address. Then use this IP address to visit the DVR through user port. [NTP setup]

	NTP	
Enable	V	
Server IP	time.windows.com	
Port	123	
Time Zone	GMT+08:00	-
Update Period	10	min
	ОК	Cancel

Picture 4.8 NTP

Server IP: Enter the NTP server address..

Port: Default: 123. You can set the port according to NTP server.

Time zone: London GMT+0 Berlin GMT +1 Cairo GMT +2 Moscow GMT +3 New Delhi GMT +5 Bangkok GMT +7 Hong Kong Beijing GMT +8 Tokyo GMT +9 Sydney GMT +10 Hawaii GMT-10 Alaska GMT-9 Pacific time GMT-8 American mountain time GMT-7 American mid time GMT-6 American eastern time GMT-5 Atlantic time GMT-4 Brazil GMT-3 Atlantic mid time GMT-2.

Update Period: The same with the NTP server check interval. Default: 10minutes.

[EMAIL setup]

If the alarm is turned on or the alarm linkage photos are taken, send an email about the alarm information and the photos to appointed address.

	EMAIL	X
Enable SMTP Server	smtp.gmail.com	
Need SSL	405	
Password Sender		
Receiver		
Title	Alarm Message	
	OK Can	cel

Picture 4.9 EMAIL

SMTP server: for example, SMTP server address of 126 email is: smtp.126.com.

Port: Email server port number.

Need SSL: Decide whether using Secure Socket Layer protocol to login.

User Name: Apply the email server user name.

Password: Input the password corresponding to the user.

Sender: Set the email sender address.

Receiver: Send the email to appointed receivers when the alarm is turned on. You can set three receivers at most, and each receiver separate by ";" (Semicolon + Space), receiver and sender can use same email.

Title: The subject of the message, you can set your own.

[IP FILTER]

When choosing the white list, only the listed IP address can connect the NVR.,Without listed IP address can not connect the NVR.

Note: When the same IP address is in the white and black list at the same time, the black list precedence is higher.

	IP FILTER
Enable Restricted Type	✔ Blacklist
0.0.0	. 0 Add
0 Banned IP	
	Delete OK Cancel

Picture 4.10 IP purview

[DDNS]

111111	DDNS
DDNS Type Enable Domain Name User Name Password	CN99 vour.3322.org
	OK Cancel

Picture 4.11DDNS

DDNS Type: choose DDNS supplier

Domain name: Provide the domain name registered by DDNS.

User name: Provide the account registered by DDNS.

Password: Provide the password registered by DDNS.

When the DDNS is successfully configured and start, you can connect the domain name in the IE address column to visit.

Note: The DNS setup must be configured correctly in the network setup.

【FTP】

FTP used when there get alarm, or alarm linkage to recording, snap pictures, you can specify the FTP server to upload video and capture specific images.

	//////F1	P	\square
Enable Server IP	<mark>√</mark> FTP		
Port	21]	
User Name			
Password		🗍 🗆 Anonymous	
Max File Le	ngth 128	MB	
DirName			
		ОК	Cancel

Picture 4.12 FTP

Enable: Select \Box , enable the FTP function.

Server IP: FTP server's IP address

Port: FTP port, default port 21.

User name: Permission to log FTP user name.

Password: User's password.

Max File Length: Upload files for each package the max length, default is 128M.

Dir Name: Upload file directory.

[ARSP]

After enable this function, when login ARSP server and choose "login by device", you just need to enter MAC to do remote network viewing. No need to apply domain name

Note 1: MAC can be got in "desktop shortcut menu" \rightarrow "info" \rightarrow "version"

Note 2: after setting ARSP, also need to do relative port forward setting (it can be done in router, to realize by enabling DMZ function and directing to this device, or by setting port forward manually, also

	ARSP	
Туре	DNS -	•
Enable	✓	
Server IP	www.dvrcente	r.com
TCP Port	15000	
HTTP Port	80	
User Name	None	
Password		
Update Period	5	min
		OK Cancel

can enable router and UPNP function synchronously to realize port forward)

Picture 4.13 ARSP

Enable: select , enable the ARSP function.

Type: Default type is DNS

Server IP: set default server address

Port: device service default port: 15000.

User name: Enter the ARSP server registered user name.

Password: enter user's password.

Update Period: Synchronize with ARSP server time, default: 5 minute.

[Wireless config]

Dial-up Internet access through 3G card to realize the client access device, the device configuration (Note: only for some models)

	Wireless Config
Enable Type Wireless AP Dial Number User Name Password	AUTO CMNET *99# ctnet@mycdm
IP Address	0.0.0.0.0 OK Cancel

Picture 4.14 Wireless config

Enable: Select \Box , enable the Wireless function.

Type: Dial type, the default auto.

Wireless AP: 3G access point, the default OK.

Dial Number: 3G dial-up number, the default OK

User Name: Dial-up of 3G User Name.

Password: Dial-up user's password.

IP Address: Dial-up IP address number obtained.

[Mobile monitor]

Via mobile devices, realize the equipment monitoring and other related operations of the device

	Mobile Monitor
View	EasyV2
Port	34600
	OK Cancel

Picture 4.15 Mobile monitor

Enable: Select , enable the Mobile phone function.

Port: Port for mobile phone view, need mapping the port on Router.

[UPNP]

UPNP protocol will be automatic port forwarding on the Router, before use this feature, make sure UPNP feature is enabled on the router.

111111	UPNP	/////	
Enable HTTP Port TCP Port Mobile Port	✓ 0 0]]]	
Make sure l .before usin	JPNP is running a this	on router	
	5		
		ок	Cancel

Picture 4.16 UPNP

Enable: Select, enable the Mobile phone function.

HTTP Port: Need to add the port number while browsing by IE

TCP Port: While use the client software to monitor, required by the port number

Mobile Port: Mobile phone monitoring through the port number

【Wi-Fi】

Connect to wireless router by wireless module. View the device with IP under the condition that NVR has been connected to WIFI module.

	Wifi
SSID	Authentication Signal
	Search
Enable	🔽 DHCP Enable 🗌
SSID	11n-AP
Password	
IP Address	192 . 168 . 1 . 12
Subnet Mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 1 . 1
	OK Cancel

Picture 4.17 Wi-Fi

Search: Click "search" button to get available wireless network.

Enable: Select , enable the Wi-Fi function

SSID: name of wireless LAN automatically fit the connected wireless device

Password: wireless network password

IP address: Set the IP address.

:

Subnet mask: Set the subnet mask code.

Gateway: Set the default gateway.

RTSP :With streaming media player access through "URL" to see the image of the equipment



Pitcure 4.18 RTSP

The method of creating a "URT"

For

Example

rtsp://10.6.3.57:554/user=admin&password=&channel=1&stream=0.sdp?

10.6.3.57 Connected ip of the equipment

:554This is RTSP service Port, can change from the network service of the equipment

user=admin login user name password= blank channel=1 The first channel stream=0.sdp? Main stream

[Cloud services]



picture 4.19Cloud service

Enabled : Select , set then start the cloud access function Service Address: Cloud access address Port:servicer port. Equipment ID: Cloud service serial number

QR code: Cloud service serial QR code

4.4 Alarm

Alarm functions include: Motion Detect, Video Blind, Video Loss, Alarm Input, Alarm Output and Abnormality.

Main Menu						
		@7		DVR	Ö	
General	Record	Network	Alarm	Switch	System	
Motion Video Alarm Alarm Abno	Detect Blind Loss Input Output rmality		, , , , , ,	>> >> >> >>		
					Exit	

Picture 4.20 Alarm

4.4.1 Motion Detect

When system detects the motion signal that reaches the set sensitivity, the motion detect alarm is on and the linkage function is turned on.

Note: click advanced button can back to upper page, to display surveillance screen, copy, default, recording setup

		Motion Dete	ect
Channel Sensitivity	1 ▼ Middle ▼	Enable Region	. <mark>∨</mark> Set
Period Alarm Output Record Channel Tour PTZ Activation Show Message Buzzer	Set 12345 12345 (2345 Set 0	Interval Delay 678910 678910 Delay Send Email FTP upload	1 Sec. 10 Sec. 113444 10 Sec. 10 Sec. 1
		Adv	vanced OK Cancel

Picture 4.21 motion detect

Channel: Choose the set motion detect channel.

Enable: \square means that the motion detect function is on.

Period: Trigger the motion detect signal in the set time section. You can set according to week or set uniformly. Each day is divided into four time sections. ☑ means the set is valid.

[[]]]]]]	Set	
Friday		
00:00	- 24:00	
00:00	- 24:00	
	0 3 6 9 12 15 18 21 24	
Sun		
Mon		
Tue		
Wed		
Thu		
Fri		
Sat		
	OK Cancel	

Picture 4.22Make/cancel defence time quantum

- **Interval:** Only one alarm signal is turned on even there are several motion detect signals in the set interval.
- Alarm output: Start the external equipment of corresponding linkage alarm when the motion detect alarm is turned on.
- **Delay:** Delay a few moments and stop when the alarm state is turned off. The range is 10~300 seconds.
- **Record channel:** Choose the recording channel (multiple option supportive). Trigger the video signal when the alarm is turned on.

Note: Set in the "main menu" \rightarrow "record" \rightarrow "record plan" and perform the linkage recording. And set "desktop shortcut menu" \rightarrow "record mode" to be configured, motion detect linkage recording can work

Tour: choose the recording channel (multiple option supportive), which will tour preview with single screen when have alarm signal

[PTZ activation] Set the PTZ linkage when the alarm is turned on. As Picture 4.23

Note: using PTZ linkage, need to set preset, cruise between points and scan etc. parameters in "desktop shortcut menu" \rightarrow "PTZ control" \rightarrow "setting".

PTZ Activation						
CAM 1	Nono		CAMO	Nono		
CAIVIT	None			None		
CAM 3	None	- 0		None	<u> </u>	
CAM 5	None	- 0	CAM 6	None	- 0	
CAM 7	None	- 0	CAM 8	None	- 0	
CAM 9	None	- 0	CAM 10	None	- 0	
CAM 11	None	- 0	CAM 12	None	- 0	
CAM 13	None	- 0	CAM 14	None	- 0	
CAM 15	None	- 0	CAM 16	None	- 0	
				ОК	Cancel	

Picture 4.23 PTZ activation

Delay: After alarm stop, the extended period of time to stop alarm recording, the range is 10~300 seconds.

Show Message: Select , means Pop the alarm information dialog box in the local host computer screen.

Send Email: I means sending an email to user when the alarm is turned on.

Note: if sending email, need to do relative setting in "main menu" \rightarrow "network setting" \rightarrow "network service"

Buzzer: Select, means when Alarm occurs, the equipment issue "Didi" the sounds of two long ring. **FTP upload:** Select, means Alarm occurred while sending alarm events to the FTP server. **Note: if FTP sending, need to do relative setting in "main menu"** \rightarrow "**network"** \rightarrow "**net service**" Advanced function: Click the advanced button can return to the previous page table, display monitor

4.4.2 Video Blind

When the video image is influenced by outer environment or bad brightness and reaches the set sensitive parameter, the video blind function is turned on and the linkage function is turned on.

Note: need open the IPC video blind function first , and make sure IPC well connected with NVR. before open the video blind function .

		Video Blind			
Channel Sensitivity	1 Middle	Enable			
Period	Set				
Alarm Output	1	Delay	10 Sec.		
Record Channel Tour PTZ Activation	12345 12345 Set	678910) 678910) Delay	11213121312 111213121313 110 Sec.		
Show Message		Send Email			
Buzzer	0	FTP upload	0		
		Adv	anced C	Ж	Cancel

Picture 4.24 Video Blind

Set method: refer to Chapter 4.4.1. Motion Detect

image and the function of copy, paste and defaulted .

4.4.3 Video Loss

When the equipment can not obtain the channel video signal, the video loss alarm is turned on and the linkage function is turned on.

		Video Los	8//////////////////////////////////////	X
Channel	1	Enable		
Period Alarm Output Record Channel	Set 1 12345	Delay 6(7)8(9)10	10_Sec. 11213141316	
PTZ Activation Show Message Buzzer	Set	Delay Send Email FTP upload	10_Sec.	
		Adv	anced) OK	Cancel

Picture 4.25 video loss

Set method: refer to Chapter 4.4.1. Motion Detect

4.4.4 Alarm input

When the equipment obtains the external alarm signal, the alarm function is turned on.

	///////////////////////////////////////	Alarm Inpu	ut
Alarm In Type	1 Normal O _I •	Enable	
Period Alarm Output Record Channel Tour PTZ Activation Show Message Buzzer	Set 1 12345 12345 Set 0	Interval Delay (6)7)89(10) (6)7)89(10) Delay Delay Send Email FTP upload	1 Sec. 10 Sec. 112744769 112744769 112744769 10 Sec. 0
		Adv	ranced OK Cancel

Picture 4.26 alarm input

Set method: refer to Chapter 4.4.1. Motion Detect

4.4.5 Alarm output

Control alarm output state of all channels

	Alarm C	Output	
Alarm Type Configuration Manual Stop Status	All 0 0	1 0 0	
		ок	Cancel



Configuration: Alarm is on according to the configuration.

Manual: whatever state it is, the relative channel output alarm signal after choosing manual button

Stop: Click the stop button and the according channel stops alarming no matter the channel in any state.

Status: 🔽 means this channel has alarm output, otherwise without.

4.4.6 Abnormality

It will buzz and appear screen prompts once no disk, HDD wrong, no disk space, network cut, IP conflict etc. happens, which is convenient for customers to know DVR abnormality.



Picture 4.28 Abnormality

Event Type: Choose abnormality type, support five matters
Enable: Select, enable these three settings
Less than: this item can be set only when matter type choose no disk space, set percent (1-99). When HDD space reach this setting limitation, DVR will have cue as following two ways:
Show Message: Show message: pop up message frame on DVR screen
Buzzer: DVR will buzz when alarm occurs

4.5 Switch (Some model without this function)



Customers can switch channel type according to their demands

Picture 4.29 Switch

Note 1: Different models have different channel type.

2: If needn't please don't switch channel type

4.5.1 【Channel Type】

Switch channel type(the following NVR mode for example) Operating process as below:

1. Choose "Main Menu" → "Switch" → "Channel type"

 In channel type list, there are many channel type combination ways available (as picture 4.30); In digital channels, the numbers under resolutions means the maximum IP camera or other network device channels which can be connected under that resolution. Customers can choose any of the combination according to their demands. Click "OK" to finish channel type shift (needs restart when shifting)



Picture 4.30 Channel type

4.5.2 [Remote Device]

Used to bind signals of the channels which video input type is digital network HD signal, As picture 4.31.

Remote Device	\square
Online Equipment	
1 IP Address Port Protocol Add Edi	t MA
1 192.168.1.11 34567 NETIP + 🖊	00:12:12:
Protocol -All Search Add	Quick Add
14 Channel IP Address Protocol Edit	Delete De
1 1 192.168.1.8 NETIP 🖊	× =
2 🗌 2 192.168.1.52 NETIP 🖊	×
3 🖸 3 192.168.1.44 NETIP 🖊	×
4 🗖 4 192.168.1.95 NETIP 🖊	×
5 🚺 5 192.168.1.94 NETIP 🖊	×
	<u> </u>
Manual Add Delete	Channel status
	onannor statas
	Close

Picture 4.31 Remote Device

Network configuration list: click search then shows that have added all network device name, type, IP address, remote channel information to that channel.

Protocol: Use ONVIF&NETIP protocol searching IP device on LAN.

Search: Search IP Device on LAN.

- Add: add new IP device for this NVR channel, there are 3 ways for adding IP address;
 - a. Click" in any channels to search the IP device and add it
 - b. Click "Add" in "Online Equipment"
 - c. Click "
 "
 "
 "
 for related device to add IP device in "Online Equipment"

One key add: automatic add device by LAN IP, the ip address priority added by the last digit Modify IP: Change the IP device IP address when it had been searched. as picture (4.32)

Click""to en	ter.			
	///////////////////////////////////////	Modify IP	/////	\square
IP . MA Us Pa	Address 192 AC 00:1 ername adm ssword •••	. 168 . 1 2:12:14:29:o hin ●●	. 211 ca	
			ок	Cancel

Picture 4.32 Modify IP

Added device: display added device at this NVR channel

Manual Add:: manual input a IP device's IP, user name, password, protocol and IP port.

Edit : Click" **C**ick" **C**ick"

		Remote access configuration				
Chan Confi	nel gur. name	1 Ch01-Cfg01	Time sync	hronization 🗸		
Devid	се Туре	IPC -	Protocol	NETIP		
Remo	ote access	1	Stream	Main Stream -		
Devid	e address	192.168.1.8				
Port		34567				
Userr	name	admin	Password			
Remo	ote operatio	n list				
6		Туре		Set		
1	Devi	ce information				
2	S	ystem time				
3	Re	mote reboot				
4	Re	store default				
5	Vi	deo encode				
6	Co	olor settings				
	Delete Binding OK Close					

Picture 4.33 Remote access configuration

Devive informatioin: display remote IP device's system version, release date, series

number.

System Time: Modify remote IP device's time.

Remote restart: can restart remote IP device via local operation

Default: Restore remote IP device's parameters.

Vedio encode:can change IP device's stream,compression,frame rate, quality and so on aspicture (4.34).

Image color: can change remote IP device's color

111111111	Video encode	[[[]]][[]][[]]]	×
Stream	Main Stream	-	
Compression	H.264		
Resolution	1080P(1920×1080)		
Frame Rate(FPS)	25		
Quality	highest		
Bit Rate(Kb/S)	8192		
l Frame Interval	2		
	Applicati	on OK Cancel	

Picture 4.34 Vedio encode

Delete: Click "Delete" or click "

" to make IPC unbinding with the selected channel.

4.5.3 [Channel status] Show the maximum resolution of all digital channels, connected signal resolution and connection status.

//////	Channel status					
Channel	Max. resolution	This Resolution	Connection St			
D01	1080P	1080P	Connected			
D02	1080P	960P	Connected			
D03	1080P	720P	Connected			
D04	1080P	Unknown	Not configure			
D05	1080P	Unknown	Not configure			
D06	1080P	Unknown	Not configure			
D07	1080P	Unknown	Not configure			
D08	1080P	Unknown	Not configure			
D09	1080P	Unknown	Not configure			
D10	1080P	Unknown	Not configure			
D11	1080P	Unknown	Not configure			
D12	1080P	Unknown	Not configure			
D13	1080P	Unknown	Not configure			
D14	1080P	Unknown	Not configure			
D15	1080P	Unknown	Not configure			
D16	1080P	Unknown	Not configure			
			Close			

Picture 4.35 channel status

Note: binding the digital signal of channel, please ensure that the IP device resolution less or equal this digital channel maximum resolution, otherwise it can not view the IP device's image.

Channel configuration: change IP device's configuration.

4.6 System management

Set the system parameters such as HDD Manage, PTZ Config, GUI Display, Backup, Account, Device Info, Restore, Auto Maintain, Upgrade and Import/Export.



Picture 4.36 System Management

4.6.1 HDD Management

Configure and manage the hard disk.

The menu displays current hard disk information: hard disk number, input port, type, status and overall capability.

The HDD operation include: setup the write-read disk, read-only disk, redundant disk, hard disk format, resume default. Choose the hard disk and click the right function button to execute.

Read/Write: The equipment can read data and write data.

Read only: The equipment can read data but can not write data.

Redundant: Double backup the video files in the write-read disk.

Format Disk: All statics lose after format disk

/			HDI) Manage	111.11.		Ø
	1	HDD No. 1-1	Type Read/Write	Status Normal	DiskSpa	Read/Write	
						Read only	
						Redundant	
						Format Disk	
						Recover	
						Partition	
		I					
						Cancel	

Picture 4.37 HDD Manage

4.6.2 PTZ Config

		PTZ Config	
Protocol	NONE -		
Address	1		
Baudrate	9600 -		
Data Bits	8 -		
Stop Bits	1		
Parity	None 👻		
			OK Cancel

Picture 4.38 PTZ Config

Channel: Choose the dome camera input channel.

Protocol: Choose the corresponding dome protocol. (PELCOD as an example)

Address: Set as the corresponding dome address. Default: 1.

Baud rate: Choose the corresponding dome baud rate length. You can control the PTZ and camera. Default: 115200.

Date bit: Include 5-8 options. Default: 8.

Stop bit: Include 2 options. Default: 1.

Check: Include odd check, even check, sign check, blank check. Default: void.

Note: parameters of protocol, address, baud rate should be consistent with relative PTZ or dome. Or PTZ and dome can be controlled.

4.6.3 GUI Display

(output display) setting the information in local preview: including time title, channel title.





Time title: I means the selective state. Display the system data and time in the surveillance window.

Channel title: I means the selective state. Display the system channel number in the surveillance window.

- **Recording status:** I means the selective state. Display the system recording status in the surveillance window.
- Alarm status: window.

Deflick: select , enable this function.

4.6.4 Backup

You can backup the video files to external storage through setup.

Note: The storage must be installed before the file backup. If the backup is terminated, the already copy files can be playback individually. If the backup is stop midway, the already copy files also can be playback individually.

/			Backup]
	1	Name(Type) ✓ sdb1(USB DISK)	Remain/Total 1.01 GB/7.12 GB	Device S Detect Null Backup Burning Erase Stop	
				Cancel	

Picture 4.40 Backup

Detect: Detect the storage connected with the DVR such as hard disk or universal disk.

Backup: Click "backup" button and the dialog box is popped up as picture 4.41. You can choose the backup file according to the type, channel and time.

Erase: Choose the file to delete and click erasure to delete the file.

Stop: Stop the backup.

	Backup
Туре	All • Read/Write •
Channel	1 *
Start Time	2014 - 09 - 25 00: 00: 00 Remove
End Time	🗾 2014 - 09- 25 17: 44: 32 📃 🗌 Add
24 🗌 Ch	annel File Name Length
1 🖌 01	2014-09-25/00.00.00-00.00.01[R].h264 410.00
2 🗹 01	2014-09-25/00.00.01-01.00.03[R].h264 1.18 GE
3 🔽 01	2014-09-25/01.00.03-02.00.01[R].h264 1.20 Gt
4 🗹 01	2014-09-25/02.00.01-03.00.02[R].h264 1.24 G
5 🖌 01	2014-09-25/03.00.02-04.00.01[R].h264 1.24 GE
6 🗹 01	2014-09-25/04.00.01-05.00.03[R].h264 1.24 GE
7 🖌 01	2014-09-25/05.00.03-06.00.03[R].h264 1.22 GE
8 🗹 01	2014-09-25/06.00.03-07.00.00[R].h264 1.52 GE
9 🗹 01	2014-09-25/07.00.00-07.37.11[R].h264 851.62
10 🔽 01	2014-09-25/07.37.18-08.38.16[R].h264 1.61 GE
Required/F	Remaining:21.12 GB/1.86 GB
	Backup format H264 Start Cancel

Picture 4.41 Backup

Remove: Clear the file information.

Add: Show the file information satisfying the set file attributes.

Start/pause: Click the play button to start the backup and click the pause button to stop the backup.

Cancel: During backup you can exit the page layout to carry out other functions. Backup format: H.264 and AVI are optional

4.6.5 Account

Manage the user purview.

Note: 1. You can add or delete the user team according to user definition. The factory setup include: user/admin. You can set the team as you wish. The user can appoint the purview in the team.

2. The user management include: team/ user. The team and the user name can not be the same. Each user only belongs to one team.



Picture 4.42 user management

Modify user: Modify the existed user attribute. Modify team: Modify the existed team attribute. **Modify password:** Modify the user password. You can set 1-6 bit password. The blank ahead or behind the char string is invalid. The middle blank in the char string is valid.

Note: The user who possess the user control purview can modify his/her own or other user password

	Modify Pwd
User Name Old New Confirm	admin
	OK Cancel

Picture 4.43 modify password

Add user: Add a user in the team and set the user purview. Enter the menu interface and input the user name and password. Choose the team and choose whether cover using the user. Cover using means that the account can be used by multiple users at the same time.

Once choose the team the user purview is the subclass of the team.

We recommend that the common user's purview is lower than the advanced user.

		HIIIIIIIIII	Add User	\square
User Pass Confi	Name word irm	Reuse	eable 🗌	
Mem	0			
GRO	UP	admin 🔹		
52		Authority		
1	🖌 Shu	tdown the device		FI
2	🖌 Cha	nnel Title		
3	🖌 Sch	edule		
4	🖌 Bac	kup		
5		D Management		
6	Acc	ount		
	V Que	ry System Info		
Š		ry Log Into		
10		ar Log		
10	🔽 Sys	iem opuale Maintain		
	· · ·			
			OK Cancel	

Picture 4.44 add user

Add Group: Add a user Group and set the function authority ,show as 4.45, include shut down the equipment, real time surveillance, playback, recording setup, video file backup and so on.

NIS		Add Group
INA	me	
Me	emo	
5	2	Authority
1	1 🗸	Shutdown the device
2	2 🗸	Channel Title
3	3 🖌	Schedule
4	1 🖌	Backup
5	5 🖌	HDD Management
6	5	Account
7	(⊻	Query System Info
ξ	5	Query Log Info
	, K	Clear Log
	4	System Opdate
	2	
	2	Encode Config
	4	Network
Li	5 🗸	Alarm Set
		OK Cancel

Picture 4.45 Add Group

Delete user : Delete the current user. Choose the user which need to delete .Click the delete user button. The factory default user cannot be deleted (Such as :Admin, User, Default).

Delete Group : Delete the current team (there is no need to ensure that the team users) .In Picture 4.42, Click the Delete Group button, In Picture 4.46,select the need to remove the team, click the delete button.

	Delete Group
GROUP Name Memo	admin admin administrator group
	Delete Cancel

Picture 4.46 Delete Group

4.6.6 Device Info

Provide information of device port.

Dev	ice Info.
Audio In Channels	0
Alarm In Channels	0
Alarm Out Channels	0
GUI Theme	General 🔹
Remote control type	General 🔹
Pad Type	JLL_18P_KE -
Maximum Playback large	1
Default playback large	
Enable RS232 🔽 Enable	PTZ 🔽
	OK Cancel

Picture 4.47 Device Info

4.6.7 Restore

The system resume to the default setup. You can choose the items according to the menu.

Restore	
Please select setting entries that you want to default.	
Select all General Record Network Output Settings RS232	
ALL Configuration	Cancel

Picture 4.48 Restore

4.6.8 Auto Maintain

Users can set the device to automatically reboot the system and automatically delete the file set time period.

Auto	Maintain
Auto-Reboot System	
Every Tuesday	01:00
Auto-Delete Old Files_	
Never -	
	OK Cancel

Picture 4.49 Auto Maintain

4.6.9 Upgrade

To upgrade device software system



Picture 4.50 Upgrade

Upgrade: choose USB interface.

Upgrade file: choose the file which need upgraded

4.6.10 Import/Export (Some models without this feature)

Import/export log information and system parameters.

	Import / Export	111/1/1	
Device Name	/dev/sdb1		
106			
File Name	Log_0914_1032.zip	Export	
0.1			
Set		Export	
File Name		Import	
			Cancel

Picture 4.51 Import/Export

Device name: choose USB interface **File name:** choose the importing file

5.Network access settings and cloud technology introduced

5.1 LAN access settings

1. Network connection

1. Before the WEB operation, need to connect this device with the network.

2. Enter DVR "main menu" $\rightarrow \rightarrow$ "network" to set correct IP address, subnet mask and gateway port default (the IP segment of the device should be the same with PC computer, if disconnected, please check device IP was connected successfully.)

2、 Login

Step 1: Open a web browser; enter the IP address of the login device in the address bar. As the device with IP address 192.168.1.10, HTTP port 80 for example, then enter: http://192.168.1.10 in the address bar and connections. If HTTP port is not 80, such as 81, then need to add port when viewing, as: http://192.168.1.10:81

Note: If the PC connects the device at first time, when open system, the security warning will pop up whether to accept the WEB control web control, please choose to accept the user, the system will automatically identify the installation. (If the system is prohibited to download, please confirm whether you have other prohibited controls to download plug-ins, and reduce the IE security level, permit unsigned plug-in to operate. Connection as shown below will pop up after the success of the interface.

Step 2: Login. Enter the user name and password, the company factory default administrator user name admin, password is blank, Picture 5.1.

Webel	ant
	User Name admin Password Cogin

Picture 5.1 Login interface

Bit Rate Type 🛛 😵	
☑ Connect all video(Main Stream)	
Connect all video(Extra Stream)	
V Auto Prompt	
OK Cancel	

Picture 5.2 Stream selection

3、 Choose the bit stream the to review



Picture5.3 IE Access Interface

A District

Client Video: Available on the specified channel for video, Cancel recording operation.

Multi - functional Network Video Recorder User Manual

Auxiliary Stream: Click to auxiliary stream for a particular channel monitor, click again on the close monitoring.

Main Stream: Click on a particular channel will be the main stream for monitoring, click again on the close monitoring.

B District

Full Screen : Full screen monitor interface.

Single screen: Set the screen for single channel monitoring state.

Four screen: Set the screen to monitor state 4 channels.

Zoom: Click to zoom button, drag your mouse in the available screen area of any size, in the selected area, click the left mouse button, you can zoom in this area of the screen, click the right mouse button to exit the enlarged screen.

Full Screen play: Open all channels monitored

Close Full Screen: Close all channels monitored

Screenshot: Grab the current monitor channel screen image and save

Full Channel Video: Open all current monitored video channel

Close Full Channel Video: Close all current monitor video channel

C District

Playback: Playback local video files, and video recorder inside the hard disk video files.

Log: display the current alarm log and log operation of the equipment.

Device: to set up for the various parameters of the device.

Client Configuration: IE can address the client's video storage, as well as external alarm, and so do the settings.

Exit: Exit back to the login screen.

- **D** District: PTZ Control, Can control PTZ, setting between the preset point, cruise, etc.
- **E District:** Adjust the information such as the color of the currently selected channel.
- F District: Monitor display area

5.2 Cloud technology functions and using introduction

Cloud technology is the latest network remote access technology; with cloud technology, without any complex network settings to achieve remote access easily.

A、Main features of cloud technology

One step to realize DVR Internet, operating easily and conveniently. No need to have professional network knowledge, DDNS and port mapping; instantly connect just use and review

B、WAN remote access & Cloud technology use

1. Open web browser, enter cloud access website (View cloud server address ways: Boot and select "desktop shortcut menu" "System Information", "Version", "cloud server address").

There are two ways to remote control the device with cloud technology:

2. User: need to register a user name, and then enter the user name and password to login; need to add the device after login (enter "device management" page can finish adding device); after finish adding device, the added device will appear in the left column of "my devices".; Click on the current equipment for preview, playback, configuration and operation.

<section-header></section-header>	By user By Device Username Password <u>Find password Download Register Login Copyright © 2012-2014 </u>
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Picture 5.4 login

According to the user access, you can add multiple devices, implemented on a visit to multiple devices at the same time (Picture5.5)

(🕒 Clo	ud Server	Playview	Manager	User Info	Logout
	*					
3520D 1G 8CH	<u> </u>					
3520D 16CH	A					
9218IC	A					
9216VH	A					



1. Device: enter Serial No of DVR can realize remote access (way to get Serial No: start up and choose "desktop shortcut menu" \rightarrow "info" \rightarrow "version" \rightarrow "Serial No") After entering the reference to the "LAN Access Settings".

5.3 Client CMS software operation

CMS software is a powerful central control software; Distributed architecture, set multiple windows, multi-user, multi-language, voice intercom, alarm centers and other functions into one, the software interface is friendly, easy to operate, can be easily carried out various functions.

Please accessory bag disc removed in CD copies of supporting tools in CMS software installation package to install. After the local PC installation, double-click to open the CMS login screen, the default is no password can also be set up client login password, either centralized management operations after landing. (Note: This password is the password for the CMS client, non-NVR login password).

For details, refer to the help information disc inside "CMS Manual" or CMS software.

5.4 Mobile Phone Monitoring

This device supports the user to use the phone for remote video surveillance operation(mobile phone monitoring. Support channel switching and multi-channel monitoring simultaneously),Convenient and Simple Use .

Download mobile phone monitoring software in the following ways:

- 1. Kit CD inside Chinese\matching tools \Mobile Phone Monitoring find the corresponding installation package inside the installation
- 2. Android users can open Google play store, Search ViewEasyV2. Iphone users can open App Store, Search ViewEasyV2.Download and install.

For details, refer to the help information phone monitoring software.

Appendix 1. Remote controller operation



Serial	Name	Function		
number				
1	Multi-window	Same function as Multi-window button in the front		
	button	panel		
2	Numeric	Code input/number input/channel switch		
	button			
3	【Esc】	Same function as 【Esc】 button in the front panel		
4	Direction	Same function as direction button in the front panel		
	button			
5	ADD	Input the number of DVR to control it		
6	FN	Assistant function		
7	Record control	Control the record		
8	Record mode	Same function as "Record mode"		

Appendix 2. Mouse operation

* Take right hand as an example *

The mouse in USB connection is supportive.

Operation	Function			
	Double click one item in the file list to playback the video			
Double left click	Double click the playback video to zoom in or out the screen			
	Double click the channel to make it full screen display			
	double click again to resume the multi-window display			
Left click	Choose the according function in the menu			
Right click	Pop desktop shortcut menu in preview state			
	Current shortcut menu in the menu			
Press middle button	Add or subtract number in the number setting			
	Switch the items in the combo box			
	Page up or down in the list			
	In the preview and playback mode, turn the wheel to zoom in.			
Move mouse	Choose the widget or move the item in the widget			
Drag mouse	Set the motion detect area			
	Set the cover area			