

i Alarm DVR

H.264 Real-Time Network Digital Video Recorder



User Instruction Manual

4CH/8CH/16CH

Introduction

Welcome to use the upgrade EAVS based on the "triple play" of DVR.

EAVS's full name is Enternet -Alarm Video Server, ie, digital network alarm video server, which is based on the embedded hardware and software-based application technology, combined with advanced alarm technology and H.264 video compression technology, all-digital, networked, intelligent video surveillance alarm system.

EAVS embedded server integrates video recording and video services, CPU hard pressure mode, using a higher level of H.264 compression standard, the user can make the same image quality obtained under conditions of lower compression rate, which effectively solves the problems of alarm expansion, transmission, video compression, storage, remote control aspects of rational distribution, independent alarm video services software and WEB video services platform, easily realizes video linkage alarm, alarm video control, PTZ control, remote set query. The system uses the Linux operating system, to ensure the system stability and reliability, with a variety of network interfaces, using TCP / IP protocol, LAN, WAN remote transmission automatic warning, automatic alarm, automatic recording and other functions.

EAVS's highly integrated features effectively solve the close tie between the alarms and video ,automatic warning, alarm and video functions can be achieved in the LAN and WAN. Through this alarm video services platform, users can remotely set the alarm and video services, query and manipulate, remote query alarm events.

EAVS's entirely English operating platform, control software and remote operating platform, powerful display control functions and a simple and intuitive user interface and the remote host, make the system configuration and operating procedures more straightforward, at the same time the company carried on the operator interface beautification and hierarchical segmentation, so that operation becomes easy.

High level of integration reduces the maximum extent of a single modular variety of devices, which reduces the linkage module and other external devices, and greatly reduces the cost of system integration. In the process of the formation of the system, due to relatively high integration, labor costs, supplies, cost of intermediate devices are greatly reduced, making the EAVS system more economical.

EAVS's birth has opened alarm remote visualization prelude to the era, which effectively solves the problem of false positives field detector occurrence, breaking the traditional sense of the concept of on-site alarm, allowing users to really experience security and reliability of alarm for the first time. It is an important milestone of alarm into digital and remote visualization, alarm and video surveillance is a powerful combination of proven, intelligent alarm monitoring is an important direction for future development, but also the establishment of large-scale technology base alarm monitoring system. With the large-scale development of intelligent alarm monitoring for urgent needs, EAVS digital alarm surveillance video server plays a great role in promoting. The set up of EAVS digital video platform builds a more efficient implementation of the intelligent platform for security and peace which provides the strongest protection for the future.

To facilitate this product can better serve you, we recommend that you carefully read the user manual. Valuable suggestions and comments are welcomed in the course of using this product. We always provide you with careful and thoughtful service. If you have any questions please contact us.

We will not notice if there is a change of product performance, if you want to know the latest features, please contact with the relevant business.

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Chapter 1 Functions and Features

1.Basic Functions

▲It is based on an Embedded Linux operation system, which supports browsing by the windows IE explorer and mobile phone.

▲It uses H.264 hardware compression technology with high compression ratio and flexible handling.

▲It supports at most 16 channels video input,1 channel BNC video output ,1 channel VGA video output and 1 channel HDMI output.

▲It supports RS-485 interface ,which may control PTZ and reliable multiple decoding protocol extension.

2.Compression Functions

▲Video compression uses H.264 compression algorithm,which may realize independent hardware compression with CIF resolution of 25 frames per second.It supports both VBR and variable frame rate.The coded stream of video image can be set during the process of setting the quality of video image.

▲It supports at most 16 channels audio/video signals.Each channel of audio/video signal is compressed in real time by independent hardware to ensure the stable synchronization of sound and image.

▲It supports QCIF/CIF/D1/HD1 /960H/720P resolutions.

3.Storage and Backup Functions

▲There are 2 -6 SATA hard disk interface and all of them support TB-level hard disk.

▲Backup through USB port like flash disk or portable hard disk

▲As for client computers, the backup process can be done through downloading the files from the hard disk.

▲ It adopts the hibernation treatment for the non-working hard disk, which favors the heat dissipation and power consumption reduction, and consequently prolong the HDD service life.

▲ Files on the hard disk include overlaid loop records and non-loop records.

▲ The stored data adopt special format to avoid the data tampering and ensure the data security.

4. Network Function

▲ It supports an 10M/100M adaptive Ethernet interface;

▲ It supports TCP/IP, DHCP, DDNS, PPPOE and other network protocols;

▲ It can set parameters through WEB page, view real-time video and audio signals, and check the running status of the equipment.

▲ It can control the rotation of PTZ and relevant parameters of camera like aperture size, focal length, etc.

▲ Remote alarm and system log view.

▲ Video search and real time playback.

▲ Powerful networking functions with various linking methods.

▲ Remote internet access supports multi-screen display.

5. Video Playback

▲ Multiplex: each channel can play real-time video independently and realize playback and search of channel 1 to 4 simultaneously.

▲ Various recording modes: manual mode, alarm and linkage, dynamic detection, and video mask. All of them have pre-recording functions.

▲ Quick searching of video files and systematic searching of video types.

▲ It displays the exact time of incident during playing the video.

▲ Search the log files of hard disk video through network.

6. Real-time Monitoring

▲ It supports PAL/NTSC video signal input.

- ▲ System screen has high definition and exquisite images.
- ▲ The channel screen displays the status of channels , such as video , dynamic detection,video loss,video mask,etc.
- ▲ Display modes include signal screen display,multi-screen display,and multi-channel cycle display.
- ▲ The brightness, contracts, saturation,and color of the preview images are adjustable.
- ▲ The names of cameras can be added freely on each camera displayed screen.
- ▲ It has analog video BNC and VGA output interface,which can realize monitoring functions through monitors or PC monitors;supports HDMI HD output interface
- ▲ It can view the local or remote system logs.

7.Sound Functions

- ▲ It supports up to 16 linear audio input, 1 channel audio output, 1 MIC input, a headphone output
- ▲ It has the functions of audio and video synchronous input.The sound is very clear and smooth and without any noise.
- ▲ It can monitor the image and sound simultaneously.It supports the video camera with audio function.
- ▲ Each channel of audio and video can be stored synchronously.
- ▲ Audio and video can be played synchronously.
- ▲ Supports intercom function

8.Alarm Functions

- ▲ It has 32 wireless inputs, 64 bus zones, 8 wired zones
- ▲ It may connect the infrared or smoke detection alarm detectors as alarm input devices.
- ▲ It has the recording function of the alarms and linkage. A detector can be

kinked with one or more video camera; while a video camera can be linked with one or more detectors. As soon as the detectors are triggered, the associated video camera will start recording, and the siren and flashing light will also be started at the same time.

▲ The alarm input and output interfaces have protective circuits to avoid the damage of main host devices.

▲ It supports 8 wired or wireless keyboards and 8 wireless remote control devices.

▲ There are 2 alarm CMS telephones and 4 personal alarm telephones.

▲ It supports PC downloading, IE downloading, and telephone remote control programming.

▲ Contact ID protocol and MEIAN-II bus protocol.

▲ The built-in electronic clock can realize 4 groups arming and disarming per day.

▲ It can internally and externally connect alarm sound to make alarm linkage output.

▲ Automatic learning code pattern recognition of wireless sensor、 wireless remote control device.

▲ Automatically monitor the sound on site.

▲ Give alarms in case of phone disconnection.

▲ Make report in case of AC power failure, and malfunction of wireless or wired sensor.

▲ It may set the automatic self-check time and report the status of the main host.

Chapter 2 Specification And Interface Definition

2.1 Attentions

▲ Power supply

The power supply of this device is DC 15V/3A or 12V/3A according to the model of the product. Please use the power provided by our company.

If you do not use this device for a long time, please unplug the power cord from the socket.

▲ Memory device:

It is recommended to use Seagate 3.5-inch HDD special for DVR.

▲ Safe operation:

The device is indoor equipment. Do not place it in the damp and dusty environment in order to avoid the danger of short circuit and electric shock.

In case that any solid or liquid enters into the case, please switch off the power immediately. The device cannot be reused until it is checked by the special technical personnel.

If any problem occurs, please contact special technical personnel or supplier. Do not repair it by yourself.

▲ Installation Position:

Choose proper installation position to make air flow freely around the device so as to avoid overheat of the device.

Do not install the device near the heat sources like radiator and ventilating duct, or the places subject to sunshine, dust, moisture, intense magnetic fields and mechanical vibration or impact.

The device should stay away from large metal objects, TV, computer, etc., or the transmitting or receiving distance will be shorter because of signal interference; the device should be installed to the detectors as close as possible; in the premise of hidden, the antenna should be put out and put up; do not anti-insert the position of inlet and outlet of the phone line.

▲ Copyright protection:

During video recording or monitoring, please do not infringe the related rights of the third parties. Otherwise, you have to be at your own risk.

Without the explicit approvals of our company or authorized units, any changes or modifications on the devices are not allowed as it may damage the device and bring inconvenience to the users. Otherwise, you will lose the right of after-sale service.

Zone number and tail resistance should refer to the real product

2.2 Open Package and Accessories Inspection

After opening the package, please check if there are any deformations or other kinds of damages to the device and accessories. If any, please do not use and contact with your supplier, at the same time please check the integrity of all the accessories of the device. The complete configuration list of the product is shown as below:

User manual

Wireless device antenna

Connecting terminals

Resistance(2.2K)

DC12V/3A switching power adapter

Screws

CD Disk

Wireless remote controller

Certificate

Warranty card

USB mouse

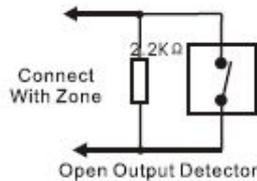
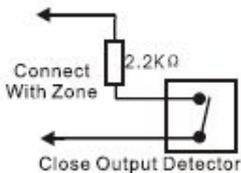
2.3 Pre-installation Instruction

▲. Alarm Types

1)Zone: A host device contains a number of different zones, which indicates that the system can be connected with many independent detectors. Each zone can be connected with different types of sensors and set as a certain zone through programming, so as to make operation more convenient and alarms more reliable.

2)Wireless zone: It is a zone which is wireless connected with the host device by a certain emissive frequency and specified encoded mode.

3)Wired zone: It is a zone which is connected with the host device through cables. Generally all the wired zones use conventional four-wire detectors. The detectors output the switching signals. Therefore the wired zone use $2.2k\Omega$ line end resistance to monitor. If the system detects there is $2.2k\Omega$ resistance on the circuit, it means the system is in normal condition; if the system detects the resistance on the circuit is zero(short circuit) or infinite(circuit break), it will make alarms. As the output modes of detectors are different, the connection modes of resistance are also different. However, there is a principle: the loop resistance should be $2.2k\Omega$ and the resistance should be connected at the end of the detector. The general response speed of wired zone is 300 milliseconds to 500 milliseconds.



4)Disabled zone: The area is not in use.

5)Delay zone: It is used for the main entry/exit route, e.g. front entrance and main entrance. The area will be effective when the out delay after arming finishes. When the zone is triggered, otherwise it will give alarms. The control

device will buzz as soon as the time delay starts(as a cue signal of disarming the system). It is effective in away arming conditions.

6)Perimeter zone: It is used for external door, windows and guardrails. If they are damaged,the alarms will occur.The zone has no time delay function.It is effective in away arming conditions.

7)Burglar alarm zone: It is not an emergency zone and not at the entry or the exit.It is mainly used for internal defense.In case of detecting invasion, the alarms will be activated.The area has no time delay function.It is effective in away arming conditions.

8)24-hour zone refers to the zone in which the emergency buttons are used for personal emergencies or various emergency events.The zone is not controlled by arming or disarming.

9)Emergency zone: In this zone, the emergency buttons are used for emergency alarms of banks,jewelry counters(generally without sound), and bedside(generally with sound).It can define if the siren works or not on site.The alarm information can be reported to the central station during the process.The area is not controlled by arming or disarming.

10)Fire alarm zone: It is used for the 24-hour monitoring of smoke detectors and heat detectors. When the area is triggered, the fire alarm will be made.The siren will make sound on site and alarm situation will be reported to the central station at the same time.The zone is not controlled by arming or disarming.

11)Away delay: It refers to a certain period after system arming, in which the system will not make alarms if the zones have time delay functions.After the time delay finishes, these zone start working.

12)Entry delay: In case the zone has the time delay function,the armed system will not make alarm immediately and allow the operator to disarm the system within the delay period.If the system isn't disarmed when the time delay finishes, the alarm will be made.

13)Alarm output: Each host device may output 12VDC voltage to the siren as

the local alarm.

Note: the output current should not be exceeded 500mA, otherwise, the host device may not work properly.

14)Alarm communication: The device has built-in alarm communicator which can output the situation to the alarm center through telephone line dial-up. There are totally 2 groups of terminals for connection, i.e. input terminals and output terminals. Telephone line is connected to LINE port and telephone is connected to the output port TEL. Normally the telephone is operated in good condition. In case any problems occur, the telephone will be cut off automatically and alarms will be activated.

15)Arm/disarm: It is an instruction for the alarm host controller to set arming and disarming. The alarm host will take relevant actions in accordance with the received instruction.

16)Away arming: Set all the detectors in the alarm state.

17)Home arming: It is also called stay arming. While the host device is in the state of alert, by the artificial setting, some functions of the detectors may be enabled and other functions may be disabled. It not only has effective safety functions but also allows people to move freely in the alarming space.

18)Self-learning code: It refers to the setting process of establishing communication between wireless detectors and alarm host devices. In other words, it means self-learning automatic code registration or inputting the code manually by the keyboard between wireless detectors, remote control device and wireless alarm host. Each zone or remote control device may perform code registration or elimination respectively.

19)Remote control: Dial up remotely through telephone. After the password verification, it can realize remote arming and disarming, indoor movement monitoring, activating the high pitched siren, electric switch control, remote restoring the factory defaults, and other operations.

20)ID: To distinguish different detectors or monitoring host, each detector or monitoring host has different ID code (address coding). As the unique mark, ID

code has been preset before the detectors or monitoring host leave the factory.

21)Admin password/User password: The Admin password refers to the password set by system administrator for host system; while the user password refers to the password set by users in daily using process to perform arming,disarming,remote control, and other operations.The main purpose of setting password is to ensure the safety of the system.

▲.Video monitoring type

1)Motion detection:It means that the system is capable of automatically taking proper actions in respond to the changes of the screen status,e.g. someone is passing or the lenses are moved. It can set arming and disarming time, detection sensitivity, and the rotation of camera to its proper preset position.

2)Mask setting: As for some important department or some fields related to privacy. We may use mask setting to avoid displaying these fields and ensure the security of the privacy.

3)UPNP:(Universal Plug and Play), it is a common name for a group of protocols.In simple words,UPNP is equal to automatic port mapping.

4)DDNS: DDNS is to map user's dynamic IP address to a fixed domain name service. When user is connecting to the network,the client program will transfer the dynamic IP address of the host device to the server program on the ISP server by means of information transfer .And the server program will be responsible for providing DNS services and realizing dynamic DNS. In other words, dynamic DNS will capture user's ever-changing IP address and match it with the domain name, and then other network users may communicate with each other by means of domain name.

5)FTP: It is used for the two-way transmission of control files on the internet.Users may use FTP to connect their own devices with all the servers using FTP protocols in the world and access the server to obtain large amount of programs and information.The main function of FTP to connect their own

devices with all the server using FTP protocols in the world and access the servers to obtain large amount of programs and information. The main function of FTP is to enable users to connect a remote computer, on which FTP server program is running, to check what kind of files there are on the remote computer. And then copy those files from the remote servers to the local computer, or send the files on the local computer to the remote servers.

▲. Icon display

1) Video recorder (when video recording, the icon will bright)

2) Video playback (when video playback, the icon will bright)

3) Switch VGA to monitor (when switch VAG to monitor, the icon will bright)

4) Connectivity (When link to the internet success, the icon will bright)

5) Product logo (bright as power on status)

6) HDD status (HDD1 connected / HDD2 connected / HDD error status keep bright)

7) (1) in normal status, display the system time.

(2) when occurs zone faulty: FAU zone No.

Example: when zone 3 faulty will display FAU 3.

When multiple zones faulty, it will display the zone No. by turns.

(3) when alarms display: ALA zone No.

Example: when zone 4 alarms, it will display ALA 04; when multiple zones alarm, it will display the alarm zones by turn.

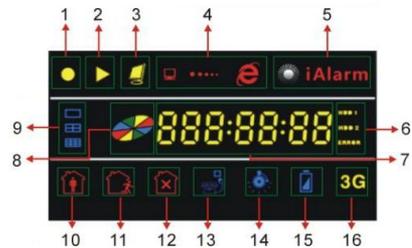
(4) power off display OFF

#exit from delay time display A time, if exit delay time is 200 seconds.

Display A 200.

8) (1) when recording video in normal status, the compass rotates orderly.

(2) when recording video in abnormal status, the compass overall flashing.



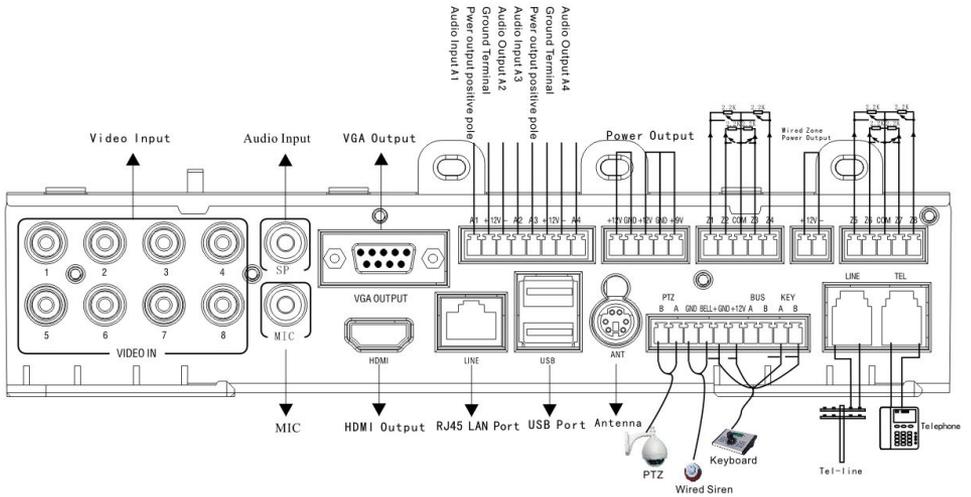
- 9)video display screen, 1 channel, 4 channel, 9 channel.
- 10)home alarm(in home alarm status, light on)
- 11)away alarm(in away alarm status, light on)
- 12)disarm (in disarm status, light on)
- 13)telephone line faulty(in telephone line faulty, light on)
- 14)alarm indication (when alarms, the light flashes)
- 15)back up batteries voltage(on in batteries voltage. Off in battery normal)
- 16)3G connectivity status (in 3G status on)

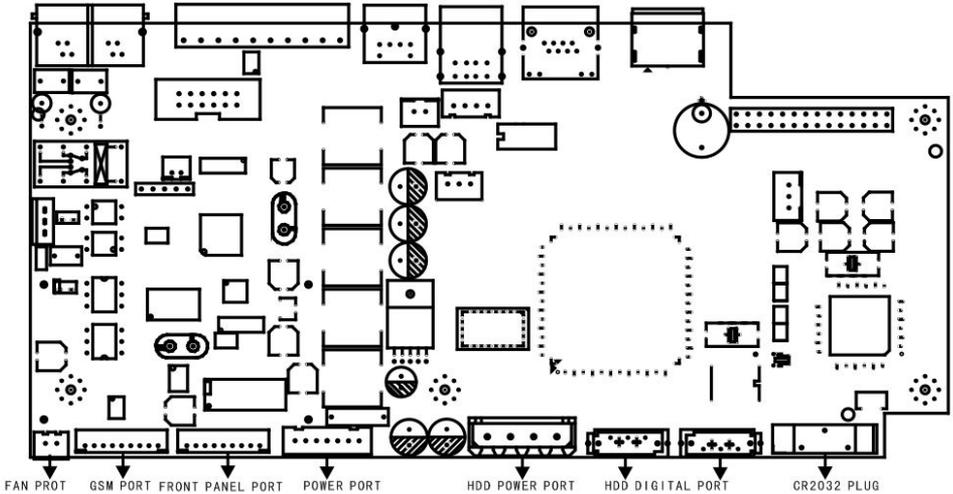
2.4 Performance parameters

Product Name	EAVS	
Operating system	Embedded Linux	
User Interface	16 bit true color graphical menu operation interface support USB mouse operation with menu notes	
Peripheral interface	Video input	4/8/16 channel BNC video input
	Audio input	4/8/16 channel RCA audio input
	Audio output	1 channel RCA audio output
	Video output	1 channel VGA output/1channel BNC output
	PC output	1 channel VGA output
	Alarm input	4/8/16 channel wired device, 24/32/56 channel wireless device, 8 wireless remote control device
	RS485 port	1 RS485 port
	Network interface	1 RJ45, 10M/100M adaptive network interface
	HDD interface	2 SATA HDD interface
	Mouse port	1 USB2.0 port
	USB port	1 USB2.0/1 USB1.1port
	Telephone line port	1 in/1out, 2 groups of terminal port
	Power interface	1 DC input
Audio / video parameter	Monitor resolution	704x576(PAL)/704X480(NTSC)
	Playback resolution	704x576(PAL)/704X480(NTSC)
	Video coding standard	H.264, PAL/NTSC
	Video output rate	CIF:384Kbps/512Kbps/768Kbps D1:512Kbps/768Kbps/1024Kbps
	Audio coding standard	ADPCM, sampling rate, 8khz/8bit

	Audio output rate	24Kbps
Others	Power input	AC 110-24V/DC 15V
	Working temperature/humidity	-10-60°C/10%-90%

2.5 Connection Diagram

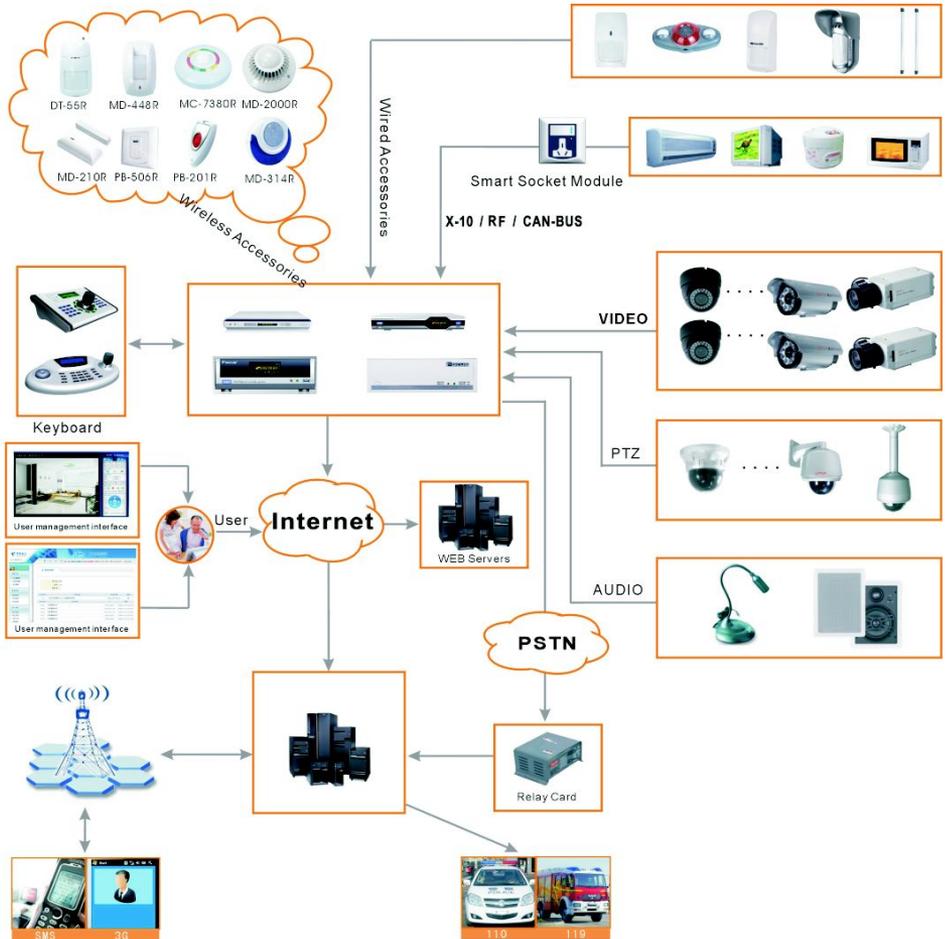




Power Supply

- * Please connect all the wired cable before power on. Please do not connect the wired cable on the status of power on.
- * Used 12V DC sealed lead acid battery, and exchange the battery per 3 to 5 years.
- * Keyboard, auxiliary power, siren ect total power supply demand can not exceed to the maximum power of the host.
- * The battery maximum charging current is 350mA

2.6 System Connection Diagram



EAVS Series digital video network alarm server

- You can connect 8 wired zones, maximum support 8 remote control, 32 wireless zones
- It supports contact ID protocol, alarm information can be uploaded to the CMS, telephone line can also be used to remotely arm and disarm
- A four-dimensional joystick keyboard can control 8 digital network alarm server at the same time

·It can connect 4 video signals, 4 audio signals.Video can be output with a standard 15-pin VGA port, BNC interface output can also be used.

·It supports TCP / IP protocol, can be remotely controlled by the client CMS, alarm video can also be uploaded to the client CMS platform

EAVS series product is simple to operate, easy to use and fully compatible with alarm, video, network, performance is very powerful, it is a network alarm video server of high performance cost ratio on the market today.

2.7 Remote Controller Description

As for the operation of this device, the button [ENTER] on the remote controller is the same as the function of clicking the left mouse button.

Description of the function key of remote controller.



【PC/DVR】	Switch the monitor to PC or DVR
【】	Shutdown Button
【LOG/LOCK】	Get operated authorization in the entry of system/Lock screen
【+ ZOOM - 】	Zoom
【+ FOCUS - 】	Focus
【ARM】	Away arm
【DISARM】	Disarm
【PATT】	Set and call out pattern scanning lines
【P-SET】	Set and call out preset point
【SCAN】	Set and call out automatic scanning lines
【GROUP】	Group command
【】	Switch video interface to 1/4/8/16 screen modes
【】	Switch between full screen and small screen
【】	Fast rewind, press 【】 button to restore normal play speed
【】	Fast play, press 【】 button to restore normal play speed
【MENU】	Press this button on the preview screen to display the main menu
【•】	Manual video recording Start/End key
【】	Pause and start playback
【ESC】	Escape
【▲】	Up arrow key
【▼】	Down arrow key
【◀】	Left arrow key
【▶】	Right arrow key

【◀◀】	Previous file
【▶▶】	Next file
【*】	Clear key
【#】	Confirmation key
【0...9】	Numeric keyboard
	Reservation function key

2.8 Mouse Operation

In addition to remote control operation, the user can operate menu functions with the mouse. Insert the mouse with USB interface into the mouse interface of the machine panel

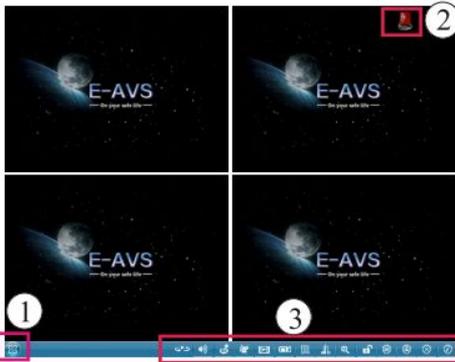


Click the right mouse button	<ol style="list-style-type: none"> 1. enter system main menu: click the right mouse on the real-time preview screen. 2. Exit the current menu: do not save the contents of certain setting menu and exit by clicking the right mouse button. 3. Exit playback screen: click the right mouse button to exit the video playback screen.
Click the left mouse button	<ol style="list-style-type: none"> 1. left click the icon of function menu option to enter the menu setting page. 2. In the real-time monitor screen and playback screen. Double

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	<p>click the left mouse button to zoom in the screen of a certain channel. Double click the left mouse button again to return to the monitor and playback screen.</p> <p>3.Color adjustment and the PTZ settings: the PTZ control and the color adjustment are set for a single channel.if it is a multi-screen mode, please left click the screen of relevant channel.</p> <p>4.If there are many options in the option box, left click the mouse button to pop up the drop-down menu.</p>
Click the left or right mouse button	<p>1.click the left or right mouse button in the input box to activate soft keyboard. Click the right mouse button to switch Chinese and English typewriting of the soft keyboard. Click the numbers, symbols and uppercase and lowercase letters on the soft keyboard to input.</p> <p>2.To input numbers, firstly right click the number box to pop up number soft button, and lastly click the left mouse button to exit the number soft keyboard.</p>
Mouse movement	<p>1. In the color adjustment page, press and hold the left mouse button and move to the left or right to adjust the parameters. The corresponding value will be displayed when you move the mouse.</p> <p>2. In the setting screen of motion detection zone, it can set the area of dynamic detection by left clicking and dragging the mouse to the left or right.</p>

Main Interface Introduction



	Enter into main interface picture
	Polling switch shortcut button
	Control audio output button
	Control PTZ button
	Color setting
	Video inquiry and playback
	Manual recording
	Log inquiry
	Smart Home
	Zoom in single channel's video
	Lock screen
	Away arm
	Home arm
	Disarm
	Access control
	Alarm prompt

3.2.System Setting and operation

3.2.1 user log in

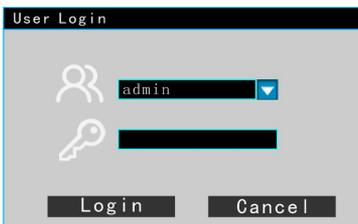
3.2.1.1 start up

Connect the DC15V power adapter to the socket on the rear panel of the device. After start up, the power light [pow] will be illuminated. It will display 4/9/16 channels monitoring video on the monitor screen. If power up scheduled recording is enabled . Or the start-up time is in the time range of timely video, system will automatically start recording and the system works in normal condition.

Note:If the host device is on, while on HDD is installed or HDD is installed but not detected, it will display(not connected storage devices)on the video preview screen.

3.2.1.2 system log in

The default user name is “ admin”, no password required. User may directly log in the main menu. Based on the greater safety considerations, please enter into [system]/[user setting] to change the password. After the host power on, press the lower-left bottom [] button. Enter into the user log in interface. As photo shows.



User name: input **admin** in the input box

PWD: input the administrator password(default setting is blank)

Note: the following is to use the remote controller or mouse to operate, when you use the mouse, please scroll up mouse wheel up and down in no mouse cursor conditions.

3.3 Menu operations.

The main menu includes [system] [zone] [alarm] [electric] [simulation] [digital] [network] [information].



Note:all the settings of following sub-menus have to be saved as soon as the [save] button is pressed. If directly exit, all the setting will not work.

The legend [■] means selected, [□] means not selected, When the cursor is moved to an option, the corresponding remark and explanation will automatically display in the bottom of the interface.



3.3.1 System Configuration

Move the cursor to the icon of [system], press the [enter] button on the remote controller or click the left mouse button to enter the sub-menu. Includes [Basic Setting] [User Setting] [HDD Setting] [Default Setting] [System Operation] [System Maintenance].

3.3.1.1 Basic Setting

Move the cursor to the [basic setting], use [enter] button on the remote controller or click the left mouse button to enter the video configuration interface.

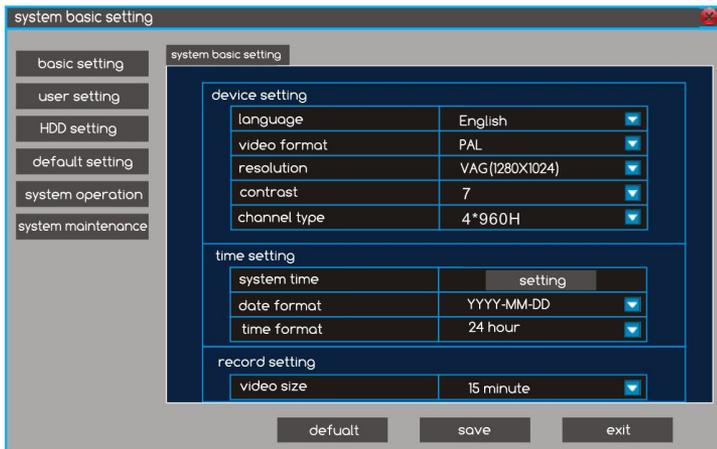
Language: Chinese And English for options

Video Format: Including PAL,NTSC, default setting is PAL, used in video signal standard.

Resolution:VGA(1024*768)(1280*1024)(1440*900)(1920*1080)

Contrast: Set the menu transparency in the VGA, 7 is the highest, without transparency.

Channel type: Set the channel's video mode.(4*960H)(2*720P/2*1IPC)(4*IPC)
At present, support 100 megapixel,130 megapixel, 200 megapixel device)



System Time: Change the current date and time of the device(Note: change the time will cause the video loss)

Date Format: Choose desired date format, including YY-MM-DD and DD-MM-YY

Time Format: Choose desired time format, including '24 hours format and 12 hours format

Video Size: define the video length time as one package, divided into 15 minutes, 30 minutes,45 minutes, 60 minutes.

Video Type: overwrite or no overwrite for options

No overwrite conditions: the current working HDD is overwriting, or current working HDD just overwrote. And the backup HDD also overwrote. Then it will stop recording.

Overwrite conditions: the current working HDD just overwrote, and the backup HDD also overwrote. It will recycle to overwrite the earliest video file.

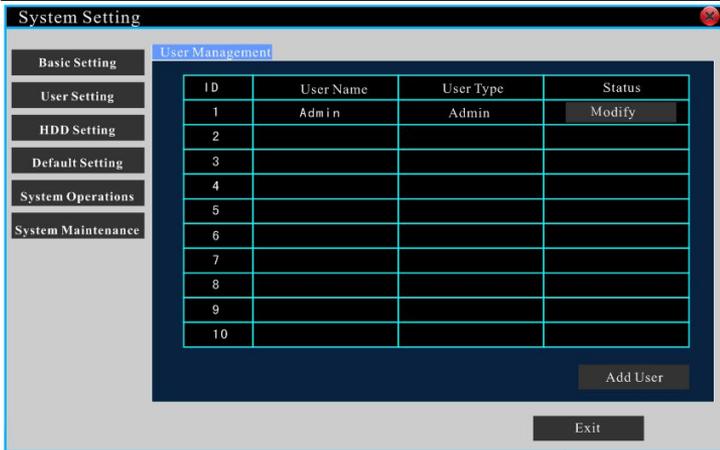
Note:The SYSTEM TIME can not free to change, otherwise it will cause check the video failed. If change the system time before the current time, all the video file will be delete after the new time. Please do not free to change the system time.

3.3.1.2 User Setting

Move the cursor to the user setting. press the [enter] button from remoter or click up the left button from the mouse to get the following interface.

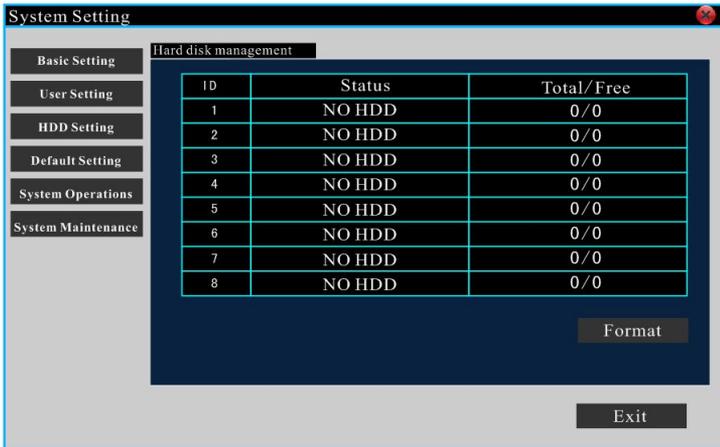
Note:

1. The user name and password only can set 12 digital
2. Admin is factory default super user, can manage all the users and permissions, can not delete the admin user. Only can log in to manage the users.



3.3.1.3 HDD setting

Move the cursor to the HDD setting.press the [enter] button from remoter or click up the left button from the mouse to get the following interface.



ID: maximum support HDD qty

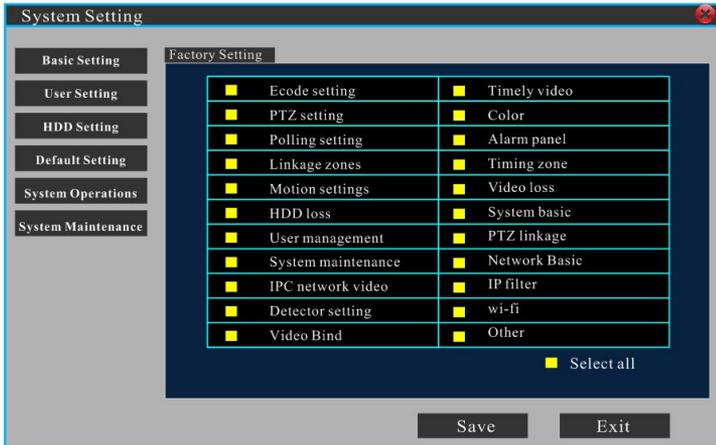
Status: HDD status(connected or disconnected)

Total: HDD maximum capacity, free means surplus capacity.

Format: delete all the HDD data. Before recording, please make the HDD format first.

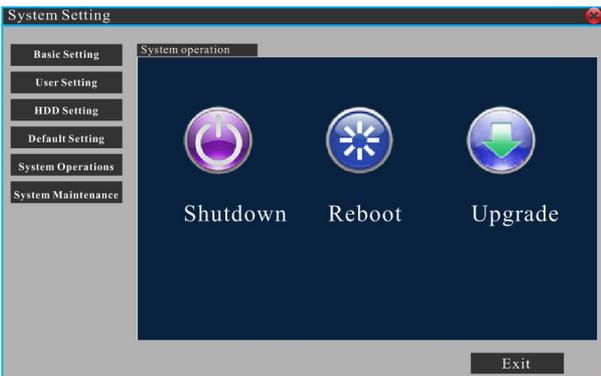
3.3.1.4 Default Setting

Restore to the factory default according to the demand, if activate this function, the related setting will restore to the default factory. Please be careful.



3.3.1.5 System operation

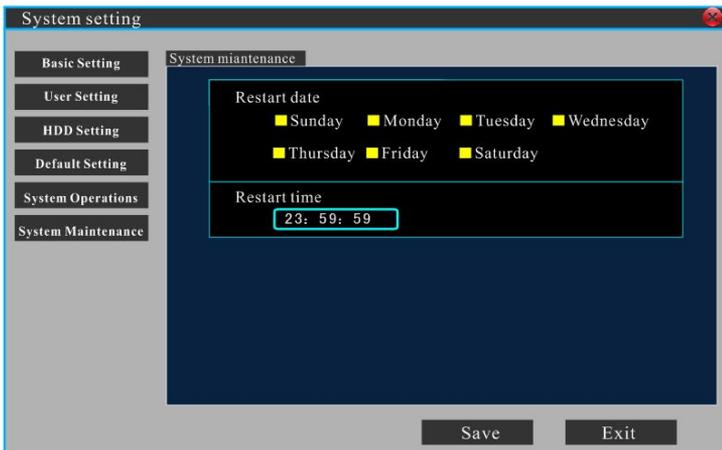
System upgrade: please store the upgrade file save to the root of the U disk. Insert the U disk into the USB 2.0 slot. Press the [confirm] to upgrade the system. It will show the progress dialog.



Note: In the process of the upgrading, please do not disconnect the power, the system will reboot after finishing the upgrade. (normally need 2-3 minutes to complete).

3.3.1.6 system maintenance

Setup the system of automatic restart time and date, can multi-select. If setup, system will restart every week as your demand.



3.3.2 Zone Configuration

Alarm includes [Basic setting] [Alarm link] [Timing alarm] [Alarm inquiry].

3.3.2.1 Basic setting

Includes [remote] [zone] [system] [alarm receive] [user phone No.] [password] [GPRS].

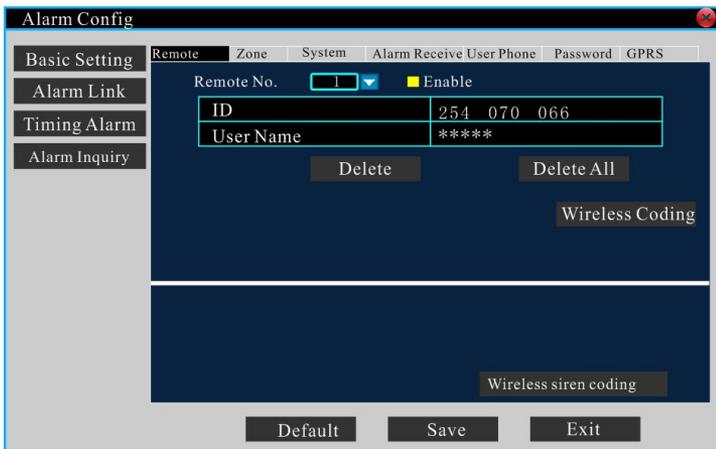
3.3.2.1.1 Setup remote controller

ID: the unique code of the wireless remote controller. Can directly input the code No. Of the remote controller or press the any key of the remote controller to trigger the host to auto coding.

User Name:the user of the remote controller. It can be empty.

Wireless siren coding: when the built in siren of the host can not satisfied to your demand, need external wireless siren.please press the wireless siren coding button.

Wireless siren coding method: enable the wireless siren receiver,press [save] key of the siren, left click wireless siren coding from the VGA, when you hear the voice prompt, means coding success, If delete the wireless siren, press the CLR1 and CLR 2 at the same time for 1 minutes.



3.3.2.1.2 Zone setting

Includes [disabled][delay][perimeter][burglary][Emergency][24 hours][fire].

ID: the unique code of the wireless accessories,it can manual code or wireless coding to get it. When setup the zone type, please check the accessories zone No. Wireless zone(1-32), bus zone(33-96), wired zone(97-112).

Enable: If activate the certain zone, please choose the enable.

Delete: refer to delete single wireless accessories.

Delete All: refer to delete all the wireless accessories.

Address: it is the location where the zone is installed.

Type:refers to the alarm types that the detector may report the alarms to the

host device and CMS in case of emergency. Once the alarm of the zone is triggered, it will report the alarm messages to CMS in accordance with the preset alarm type. Besides, once the alarm type of a certain zone is set, it will give alarms in accordance with the preset alarm type no matter what kinds of alarms are triggered.

Alarm type	Burglar	Delay	Perimeter	24 Hours	Emergency	Fire Alarm	Disable
Away Arming	√	√	√	√	√	√	×
Home Arming	×	√	√	√	√	√	×
Disarming	×	×	×	√	√	√	×

Note:

1. “√” means the host device will give alarms when the type of alarm is triggered.

2. “X” means the host device will not give alarms when the type of alarm is triggered.

By default, the wireless zones are effective while the wired zones are all disabled. The Siren Type can be set according to the requirement. It is recommended to set different siren sounds in accordance to different alarm types. For an example, it can set [off] in case of Emergency Alarm.

Siren Type: when the zone is triggered, and in what forms to alarm?off and on for options.

Wireless code: trigger the wireless accessories, press this button can auto code.



Related Zone No.: it is required to associated with 2 neighboring wireless devices in case of preventing from false alarm. Within user set time, trigger two devices, the host will alarm, only trigger one of them, the host device will warn you:[You have entered private place,please exit quickly].

Note:When use the related zone, we 'll not suggest to use door contact sensor devices for suspected safety defects. Please do not overlap the related zones. It may lead to different alarm and unexpected functions.

3.3.2.1.3 System Setting

Enter delays: it refers to the period(001-255 seconds) in which the host device will delay the alarm when the alarm is triggered. The default setting is 10s

Exit delays: it refers to the period(001-255 seconds) in which allows users to exit the zone before alarming is activated after setting arm manually or by remote controller. The default setting is 10s

Siren time: the siren ring time in alarming(the default is 5 minutes). It is recommended not to set over 15 minutes.

Ring times: user remote control the host device through the phone call. Dialing the host device telephone No. the No of host device off-hook ringings. It can set 0-99, setup 00 to disable the remote phone control operation functions(default factory setting is 7 times).

Detector lost test time:it refers to the time interval of detector loss or wireless detector battery voltage.

AC loss delay report: AC loss inspection, 0 is default setting(enable).

Phone line test: it refers to the time interval of checking telephone line lost, the default setting is 0(disable)

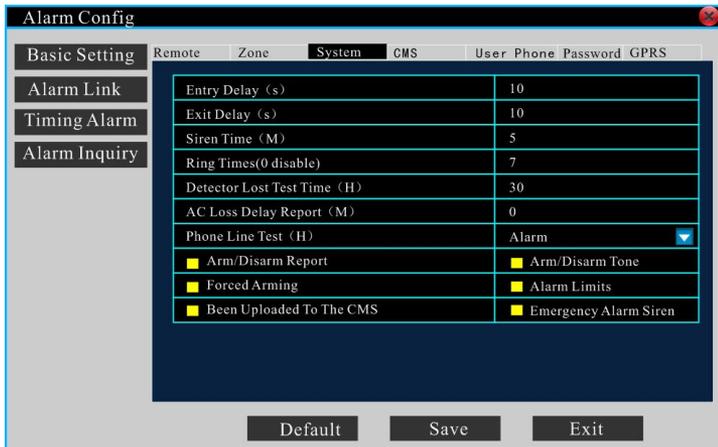
Arm/disarm report: enable or disable report arm/disarm report to CMS, default setting is disable.

Force Arming: when zone occurs error, enforce the alarm accessories to be arm status.

Alarm limits: if choose the alarm limits, when the one zone occurs alarm exceed to 3 times at a time. The host system assumes that problem as false alarm. It will not report the alarm information to CMS. Default is disable.

Been uploaded to the CMS: the host device normally report the alarm information to the CMS through the TCP/IP, if network faulty or uploaded failed, the host device will upload through the PSTN way. If choose this option, the host device surely complete the upload operations through the network and PSTN in every situation.

Emergency alarm siren: the on-site siren if alarm or not in emergency situation. Default setting is disable.



The screenshot shows the 'Alarm Config' window with the 'System CMS' tab selected. The window has a sidebar on the left with options: 'Basic Setting', 'Alarm Link', 'Timing Alarm', and 'Alarm Inquiry'. The main area contains a table of settings:

Basic Setting	Remote	Zone	System	CMS	User	Phone	Password	GPRS	
Entry Delay (s)									10
Exit Delay (s)									10
Siren Time (M)									5
Ring Times(0 disable)									7
Detector Lost Test Time (H)									30
AC Loss Delay Report (M)									0
Phone Line Test (H)									Alarm
<input type="checkbox"/> Arm/Disarm Report									<input type="checkbox"/> Arm/Disarm Tone
<input type="checkbox"/> Forced Arming									<input type="checkbox"/> Alarm Limits
<input type="checkbox"/> Been Uploaded To The CMS									<input type="checkbox"/> Emergency Alarm Siren

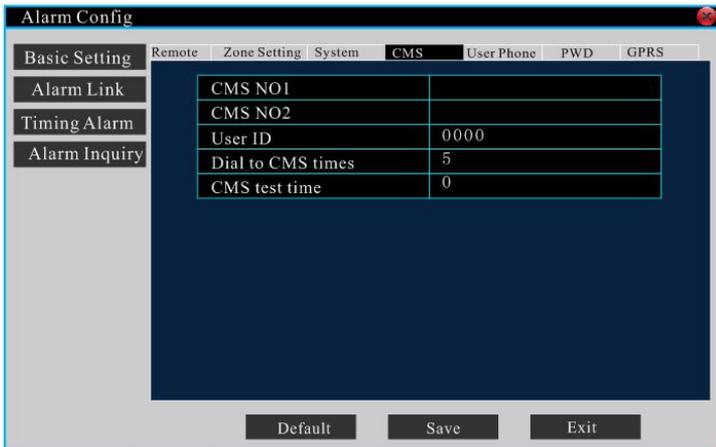
At the bottom of the window are three buttons: 'Default', 'Save', and 'Exit'.

3.3.2.1.4 Setup CMS

It can set 2 CMS No. When you set the CMS, need corresponding user ID at the same time. Please do not set the user voice telephone No as the CMS No.

Dial to CMS times: When dialed to the CMS No. failed, The host device can dial to the CMS No again and again. Default setting is 5 times.

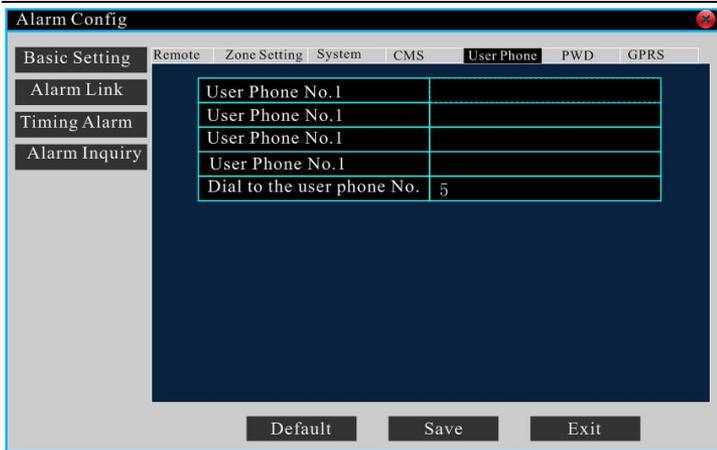
CMS test time:used in the heartbeat testing between host panel and CMS. Can set 0-999 hours.



3.3.2.1.5 Setup User (Voice) Phone No.

It can set 4 user voice phone No, which all receiving alarms by land line / mobile phone way. Most can input 15 digital. Keep saved after setting.

Dial to user phone No times: when user receive the alarm phone failed in several times, it will dial for certain times.default setting is 5 times. If exceed 5 times, it will stop to dial.



Activate Alarm And Receiving Alarm

① Effectiveness of alarm trigger

The burglar zones, perimeter zones, delay zones are controlled by the situation of away arm, stay arm, and disarm. All of the other zones are in 24 hours effectiveness of alarm status. As for burglar zones, perimeter zones, and delay zones, the alarm will be given after the set delay time finishes; while for other types of alarms, it will dial up and activate alarm immediately.

② Receiving alarms of CMS

The host device sends alarm messages with ADEMCO CONTACT ID communication protocol format. If the host device receives the recognition signal, it means the alarm is successfully reported. Otherwise, the host device will give alarms repeatedly. The alarm message is displayed and processed by the computer program of CMS.

③ Receiving alarms by using ordinary voice phone

Once the detector is triggered, the corresponding host device will decide if it gives alarms or not, according to the zone types. Delay zone, for an example, will give pre-warning tone after being triggered. If there is no operation of disarming during the pre-warning period, the monitor will display the number

and alarm situations of triggered zone and the host device will automatically dial the preset alarm phone. There will be voice prompt in receiving the call. The following actions can be taken on the alarm phone by following the corresponding voice prompt.

Press **【1】** button: Clear alarms

Press **【2】** button: Search the alarmed zone (The operation can be repeated)

Press **【3】** button: System disarm

Press **【4】** button: System arm

Press **【5】** button: System stay arm

Press **【6】** button: Activate siren on site (The operation can be repeated)

Press **【0】** button: Hang up

If no alarm handling or no other undefined keys are pressed after 10 seconds, the alarm process will continue. If the user does not press 1 to clear the alarms or press 3 to disarm system, the host device will continue to dial other preset telephones to report the alarm. After the alarm is cleared, the host device will restore to the original state before alarming.

Remote Control

Use other phones to dial the phones connected to the host device. The host device will automatically pick up the phone after preset ring time(less than the local communication automatic hang up times) elapsed. Input user name and password on the phone by following the voice prompt. If it is passed the verification, then follow the voice prompt and take the following operations.

Press **【1】** key: System arm

Press **【2】** key: System disarm

Press **【3】** key: System stay arm

Press **【4】** key: Inquiry of system status (The operation can be repeated)

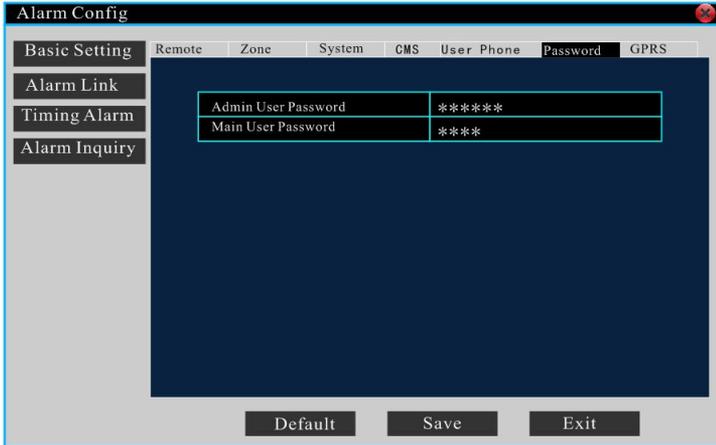
Press **【0】** key: Hang up

3.3.2.1.6 Password Setup

Password mainly set the admin user password and main user password.

Admin user password: default is 012345.

Main User Password: The user's password, default is 1234. It can make arm/disarm and voice phone control ect.



3.3.2.1.7 GPRS setup

Please check and confirm the SIM card comply with GSM module requirement before activating the GPRS function.

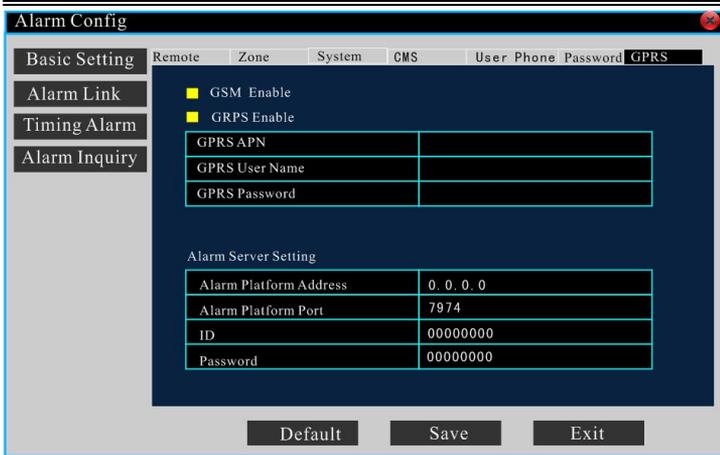
GSM Enable: Make calls and text messages.

GPRS Enable: GPRS flow to access to the network and make alarm.

GPRS APN: SIM card operator access point

GPRS User Name: GPRS user's name.

GPRS Password: The GPRS password of the SIM card.



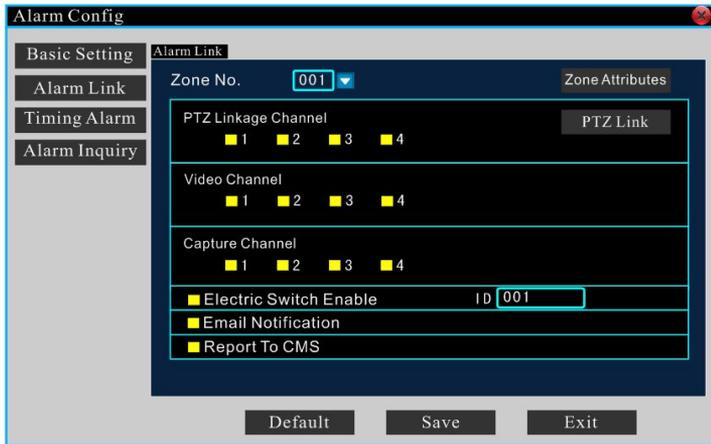
3.3.2.2 Alarm Link Setup

Example: Link the zone 03 to the channel 3

After activating alarm, the host device will send alarm photos related in CH3 to the specified email address and report the alarm information, video, photo to CMS.

Operation steps as below

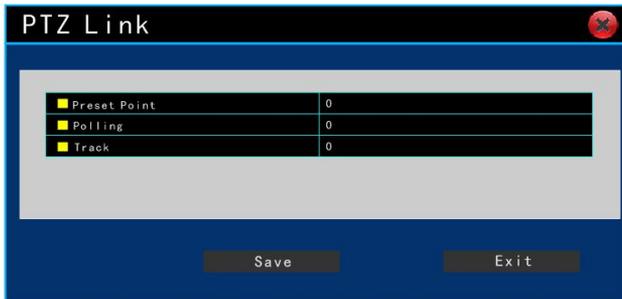
- Please set email before operation, refer to the 3.3.2.4.
- Please set the CMS configuration before operation.
- Set zone No. 03
- Choose send email
- Choose report CMS
- Choose record for selected zone channel No. 3.
- Choose taking photo for selected zone No. 3
- Press Save button.



User can set each channels according to their needs. Only activate each function, all the needs can come into play when alarms. One zone can link to multiple channels.

To activate the PTZ link function, press enter button on the remote controller or click up the left key by mouse to enter into below setting.

Under this options, User can link the corresponding alarm zones, channels, preset point etc. when one of burglar zones alarms, the corresponding channel's video will taking photoes, record video according to the preset setting. And DVR will send email or report the alarm information to the alarm CMS. If the record video and taking photo not set, the DVR only send the alarm message to the mailbox and report the alarm message to the CMS.

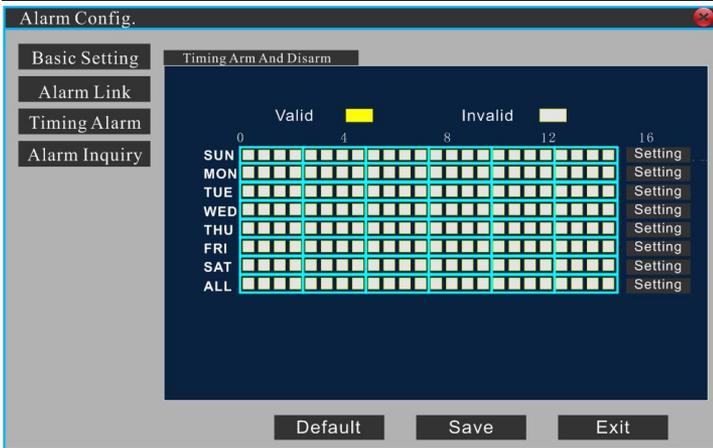


3.3.2.3 Timing Arm/Disarm

User define the time according to requirements. It can set 4 group of timing arm/disarm period per day. Each period consist of one timing arm and one timing disarm time.

Note:

1. When timing arm/disarm [hour][minutes] set as 0, refer to disable the function
2. The 4 group of timing arm/disarm can not overlap. otherwise it will cause this period can not be valid.
3. If set the first period is later than the second period time, for a example [17:30-8:00], the correspond period is [first day 17:30-8:00 second day].
4. All of the timing arm/disarm setting only in valid for the burglar and perimeter alarm. The others are effective in 24 hours.



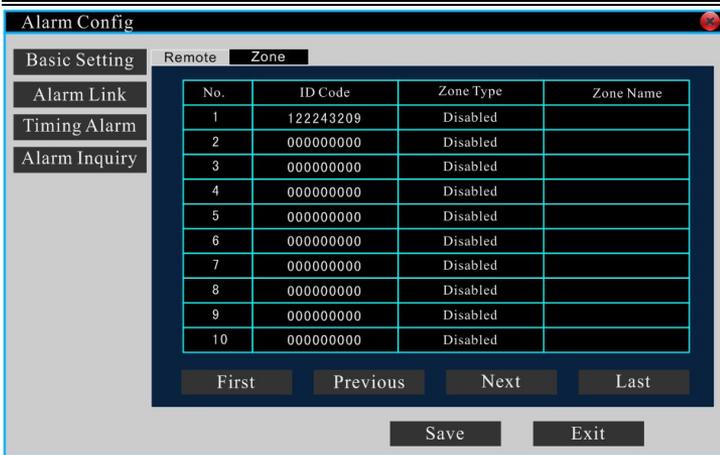
3.3.2.4 Alarm(remote/zone)query

Includes wireless remote controller and zone 's information.

ID: refer to unique ID code for the wireless accessories.

Zone Type: includes burglary, delay, perimeter, 24 Hour, Emergency, Fire, Disable.

Zone Name:refer to wireless accessories installation location.

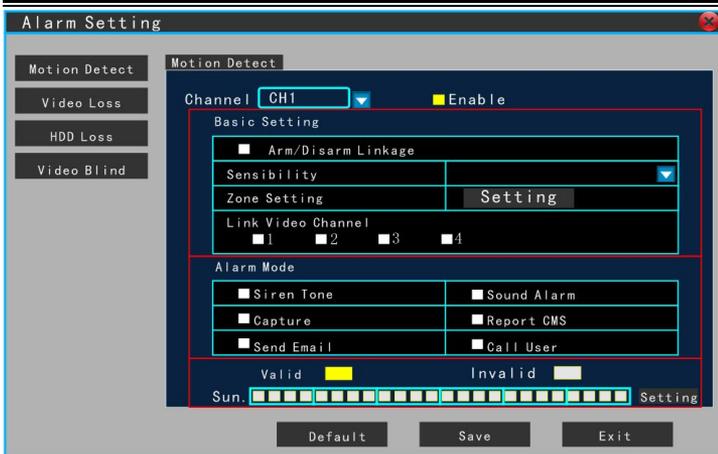


3.3.3 Alarm Configuration

Includes [motion detection][video loss][HDD loss][Video Blind].

3.3.3.1 Motion Detection

The system will automatically take proper actions in respond to the changes of the screen status, someone is passing or the lenses are moved. It can set arm and disarm time, detection sensitivity, and detection areas. When it is triggered, it will link the video recording, alarm output and the rotation of camera to its proper preset position.



Channel: users may choose their desired channel for motion detection

Enable: enable the function of the motion detection.

Arm/Disarm Linkage: choose this option to activate the motion detection.

Sensitivity: to define the sensibility of the motion detection. there are 7 kinds according to the users' needs.

Siren Tone: if enable the siren tone when you define the motion detection

Capture: if capture the photo when you define the motion detection

Send Email: when you define the motion detection, if there is a objection enter into the setting areas. The device will capture the photo and send to the mailbox.

Sound Alarm: if enable the sound alarm when you define the motion detection

Report CMS: if report to the CMS when you define the motion detection

Call User: if dial to the user when you define the motion detection.

Zone Setting: each channel has its own motion detection area setting. Move the cursor to area of corresponding channel and press enter button to enter the setting screen. The activation of motion detection can be seen by off-white colors.

Regular time: user set the regular time according to the needs, if activate this

function, please make sure to choose the option box. Everyday, you can set two group of regular time, it is in valid within this regular period. Beyond of this regular period is invalid.

Note: Each channel can be set 4 different areas, move and click up the button of four different areas, it can be set each areas separately.

3.3.3.2 Video Loss

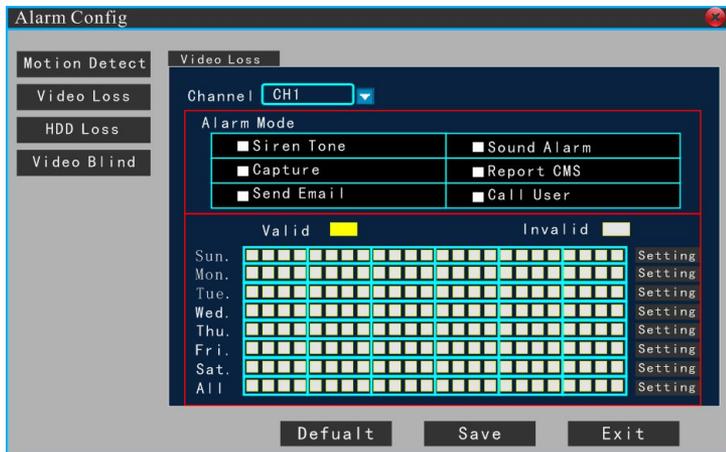
When the video camera are in correspondence with each channel have no input signals, DVR will alarms according to below alarm linkage as preset to work.

Channel: checking the loss signal of the channel according to the needs.

Siren Tone: enable or disable the siren tone.

Send Email: enable or disable to send email

Sound Alarm: enable or disable to sound alarm.



3.3.3.3 HDD Loss

When the HDD occurs abnormalities, the host will alarm according to below setting.

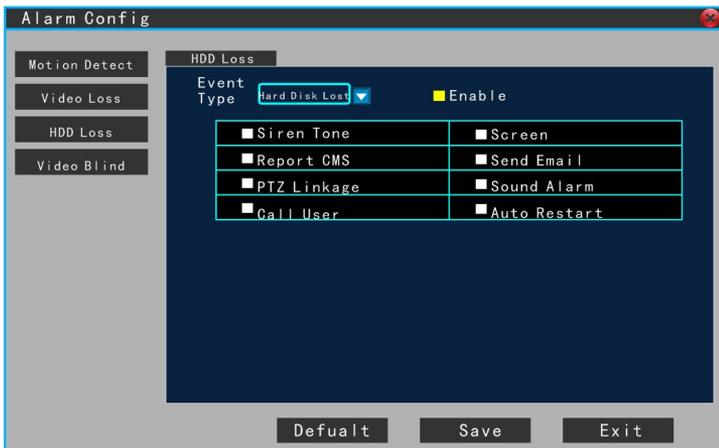
Event type: define the HDD abnormal types, includes loss, error, full.

Enable: enable or disable the HDD abnormalities.

Siren Tone: enable the siren to alarm or not.

Send Email: take photo and send to the user mailbox as soon as objects enter into the defined areas.

Auto Restart: automatically restart the host system when HDD abnormality.



3.3.3.4 Video Blind

When the video camera lens are be covered by the unknown object. Host Device will alarms according to below preset to work.

Sensitivity: define the times of the covered lens. It can adjustable from 1s-10s.

Enable: enable the video blind function or not.

Arm/Disarm Linkage:

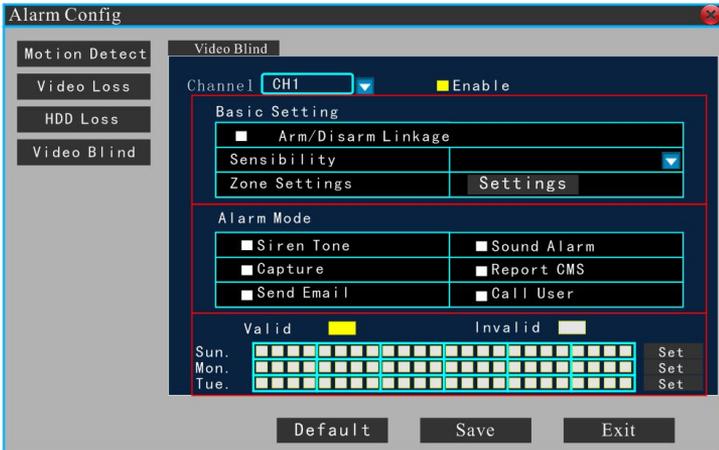
Report CMS: enable or disable to report to CMS

Call User:enable or disable to call users

Sound Alarm: enable the siren to alarm or not.

Send to Email: take photo and send to the user mailbox as soon as objects enter into the defined areas.

Time Linkage: user set the regular time according to the needs, if activate this function, please make sure to choose the option box. Everyday, you can set two group of regular time, it is in valid for the video blind within this regular period. Beyond of this regular period is invalid.



3.3.4 Electric Switch

Switch No.: The No of the switch

Switch Status: display the current status of the switch

ID: the unique ID code of the switch

Switch Command: enable or disable the corresponding switch

Regular time: user set the regular time according to the needs, if activate this function, please make sure to choose the option box. Everyday, you can set four group of regular time, each period is consist of the start time and ending time.

Scenario: The electric switch can be set in multiple scenarios, it can set more

switches into one scenario. Make a example

Set switch No. 1/3/5/6 into the scenario 1, switch command is ON.

Set switch No. 2/3/9/14 into the scenario 3, switch command is OFF.

Keep saved above settings.

When you choose the scenario 3, switch 2/3/9/14 will off at the same time.

When you choose the scenario 1, switch 1/3/5/6 will on at the same time.

Electric Switch Status: inquiry all the switch current status

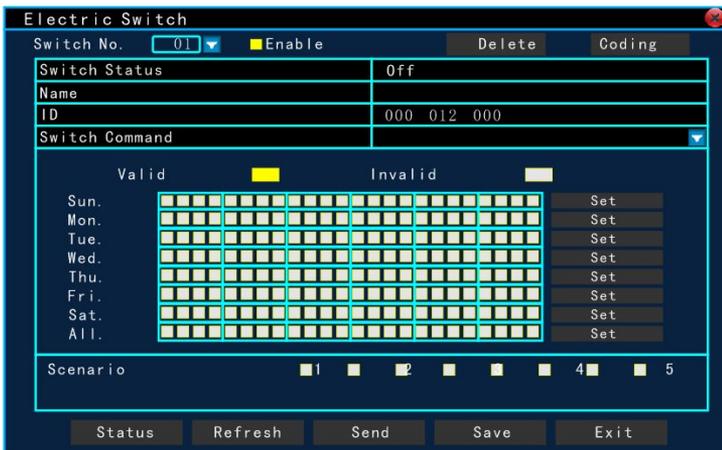
Send: send out the operation command to control the corresponding switch

When timing arm/disarm [hour][minutes] set as 0, refer to disable the function

The 4 group of timing arm/disarm can not overlap. otherwise it will cause this period can not be valid.

If set the first period is later than the second period time, for a example [17:30-8:00], the correspond period is [first day 17:30-8:00 second day].

All of the timing arm/disarm setting only in valid for the burglar and perimeter alarm. The others are effective in 24 hours.





3.3.5 Simulation

Simulation involved [Encode][Record][PTZ][Video Blind][Timing Color][Polling].

3.3.5.1 Encoding Setting

It can set each channel name, audio, time title, main stream, sub-stream, pre-record setting and so on. If need monitor the scene of sound. Need passive MIC and audio output device.

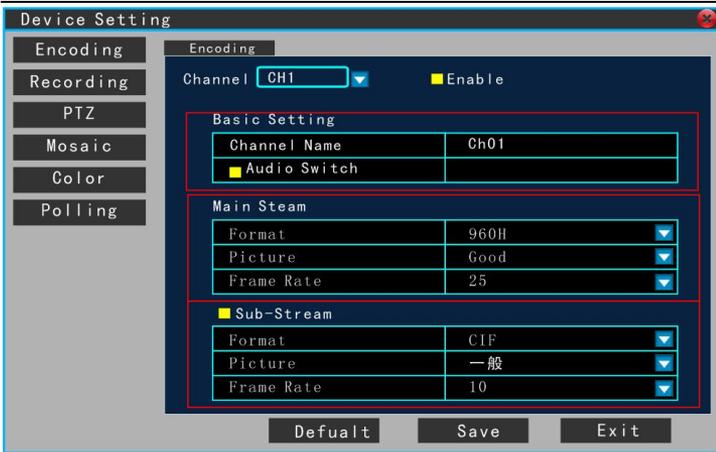
Main Steam Setting: 960H is the best, video, photo upload may have heavy traffic in alarm status. Video format have D1 and 960H. Picture quality divided into best, better, good, general, bad. Frame rate can set 1/25, the higher the better for the video quality. Default setting is 25fps;

Sub-stream Setting: If it needs phone browsing, then the Phone Browse should be activated. It is recommended not to change the resolution and keep QCIF format. The videos with higher frame rate have higher video quality. The default maximum frame rate is 20 fps. Activate or deactivate the phone browsing requires rebooting the device.

Pre-recorded time: refer to the period before alarming.

Delay Time: refer to the period after alarming

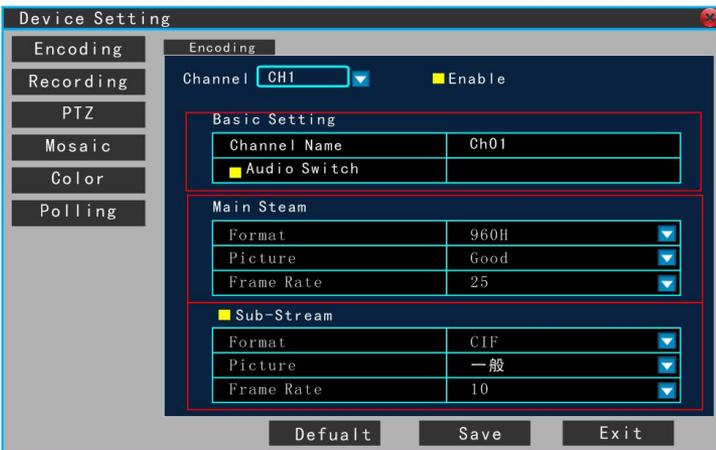
Pre-recorded time + Delay Time = Alarm Video Time



3.3.5.2 Recording

Video Type: Includes the timing recording and external alarm recording

Regular Time: It can set 4 group of timing recording per day. The starting time of each period should be earlier than the finishing time. The start time of the second period should be later than the finishing time of the first period. When the check mark appears in the box before Enable it means the time period is selected.



Note:

In the process of setting time range, the video will only be effective for one type. If it has been set the timing video, alarm video, and motion detection video, then the manual video in this period will not be effective. The time period of timing video should not be the same as that of the alarm video and motion detection video. Otherwise the prompting message will appear: the priority of timed video is higher than that of the manual video. The priority of week everyday is higher than that of other options. Everyday in week refers to each day. While All in channel means all the channels.

3.3.5.3 PTZ

First to setup the address of dome. Then make sure A line and B line of dome are correctly connected to the A port and B port on the device.

Channel: Choose the access channel of dome camera.

PTZ Protocol: Choose the protocol in accordance with the type of dome.(example: PELCO-P/PELCO-D)

Address: Set dome address, the default value is 01(note: the address should be same as the address of dome, otherwise the dome can not be controlled)

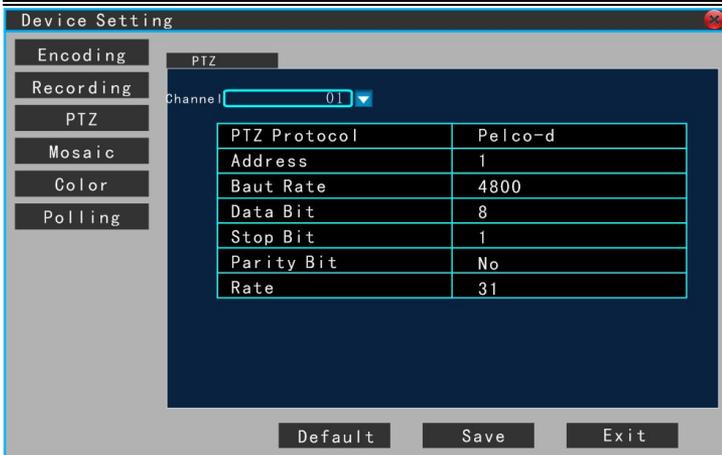
Baud Rate: Choose proper baud rate for corresponding dome. It may control PTZ and camera in corresponding channel. The default value is 9600.

Data Bit: default is 8

Stop Bit: default is 1

Parity Bit: default is No.

Rate: default is 01



Save the settings, click right mouse button in the single-screen monitor to pop up the following auxiliary function menu.



Choose PTZ Control  to pop up the function menu which supports PTZ rotation and lens control. Directly click zoom, focus and aperture to adjust video size, definition, and brightness. It supports 4 directions rotation of PTZ camera.

Preset Setup: Rotate the camera to the desired position by pressing the directional buttons, click the preset button and input preset value. Click setup to save the setting.

Preset Call: choose a channel, input a preset value in the input box, and then click call button to call the preset value.

Pattern Cruise: Choose a channel, input a preset value in the pattern box, and then click cruise button to call the value, during the pattern scanning process, if PTZ receives other control information, then pattern scanning will stop immediately.



Note: The setting of pattern scanning has to be done in PTZ setting. In this screen, it can only be called.

Video Inquiry / Playback

Press the below icon  enter into the video inquiry and playback menu.



Video Type: Includes All, Timing/Manual Video, Alarm Video, and ,Motion

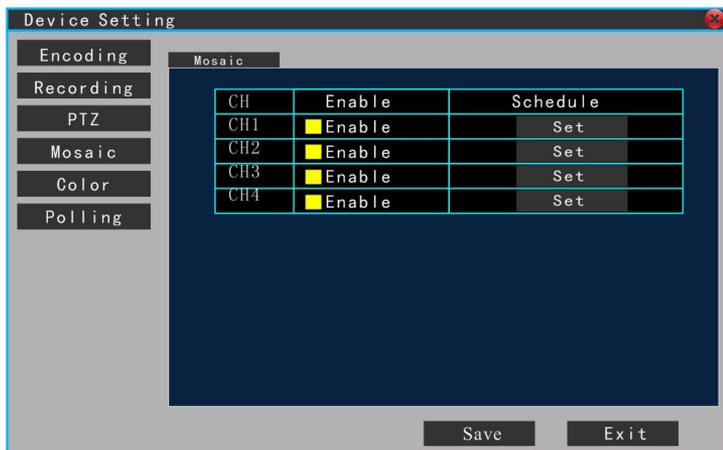
detection.

After searching all the video types. If it has video files, it will display all the channels in different type and color. Alarm video and Motion detection are red color, Timing video and Manual video are blue color. If without anything, it is gray color.

3.3.5.4

Mosaic Setting: It is also called mask settings. As for some important department or some fields related to privacy. We may use mask setting to avoid displaying these fields and ensure the security of the privacy.

Note: Mosaic can set 4 different areas at the most, click up to each channel's setting to set occlusion areas separately. Long press left button and Move the mouse to set the designated area, click up the left button in the designated area to cancel the current setting. Click up the right button in the designated area to confirm the current setting.



3.3.5.5 Timing Color

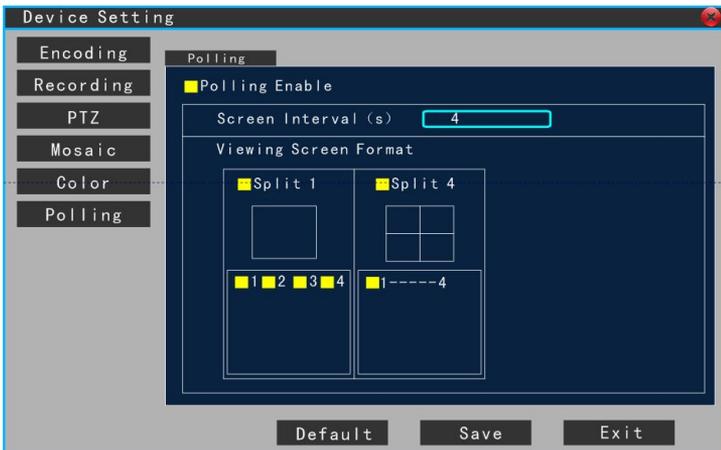
It can set channel's lightness, bright, contrast, saturation to display different channel's effect in different period . At most can set 3 groups. Please make

sure enable channel's timing color setting before operation. And do not overlap each period.



3.3.5.6 Polling Setting

Screen interval(s): display the intervals of selected channel in turn(only if the channel is selected, the function can be effective)



Split 1: the host monitoring screen displays single channel in turn under the conditions of no operation or running, the channels can be multiply chosen.

Split 4: the host monitoring screen displays 4 channels in turn under the conditions of no operation or running. The channels can be multiply chosen

Split 8:the host monitoring screen displays all the channels(8 CH host)

Split 9: the host monitoring screen display 1-9 channels(16 CH host)

Split 16: the host monitoring screen display all the channels(16 CH host)



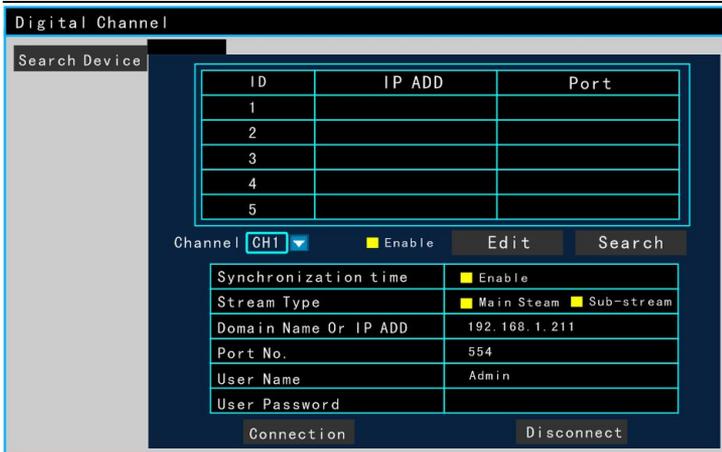
3.3.6 Digital Camera Setting

Digital Camera refer to access to the streaming video is IP camera, before setting the IP camera, please make sure the channel type includes IP camera mode.

System/basic setting/device setting/channel type

After the IP camera linked succeed, please search for the device first, it will display all the suitable device IP address included in this list.

Edit: remote enter into IP camera setting.



Selected the corresponding channel, it will display the IP camera IP address, port No. User name, user password. It can make the IP camera synchronize with the host system. Also it can set the stream type(main stream or sub-stream). After above setting, you can press button[connection].

3.3.7 Network

Network includes[Basic Setting] [Advanced Setting] [CMS Setting] [Time Syn.][IP Filter].

3.3.7.1 DHCP(Dynamic Host Configuration Protocol) Configuration

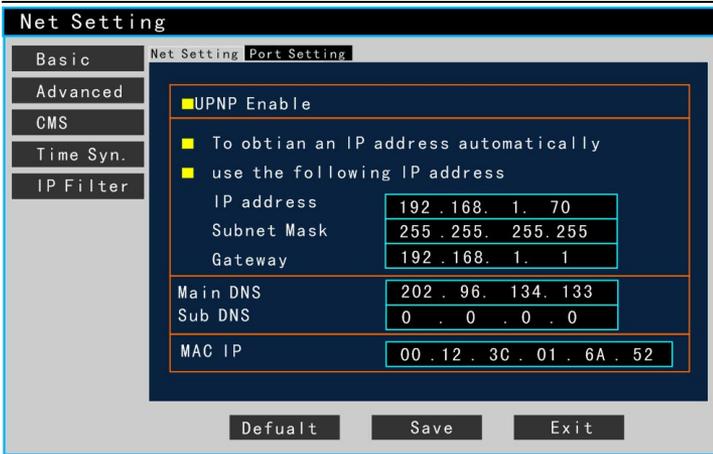
Default IP Address: 192.168.1.66

Subnet Mask:255.255.255.0

Default Gateway:192.168.1.1

Main DNS: It refers to the IP of local primary domain name server on network used by the main host

Mac Address: Assigned by the supplier users can change the IP address and MAC address at their will.



User can change the IP and MAC address

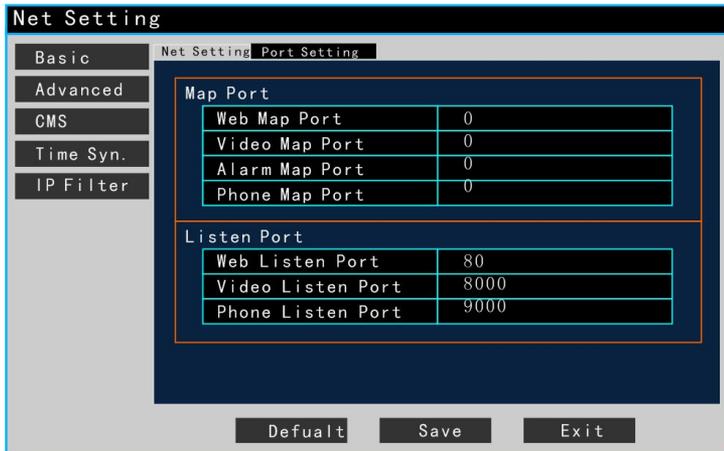
UPNP(universal plug and play) it is a common name for a group of protocols, in simple words, UPNP is equal to automatic port mapping.

If it needs to map the ports in the LAN,such as WEB map port, video map port, alarm map port, and phone map port, then default UPNP is activated. The port Number can be set according to the requirement. The recommended port number is from 1024 to 65500.

Port mapping is actually one of the NAT address translation. Its function is to translate the public network address to the private address. The ADSL broadband router using routing mode has a dynamic or fixed network IP. The ADSL router is directly connected to the HUB or switching equipment and all the computers are in the internet sharing mode.

Listen Port: in the LAN, if the default using ports of the device are banned by some routers or required to be use by other equipment. E.g. Port 80, port 8000, port 9000 ect.,

the listen ports have to be used for browsing in the LAN. After setting the listen port, the equipment is required to reboot.



Example:

Intranet IP of the device:192.168.1.69, apply for a extranet IP: test.3322.org. Set WEB Map port as 2001, video map port 2002, phone map port 2003, web listen port 3000, video listen port 3001, phone listen port 3002, how to browse on the intranet and extranet?

Extranet browsing: WEB browsing: <http://test.3322.org:2001/>(IE browsing)

Video browsing: <http://test.3322.org:2002/>(Client browsing)

Phone browsing: <http://test.3322.org:2003/> (phones should be the supported models)

Intranet browsing: WEB browsing:192.168.1.69.3000(IE browsing)

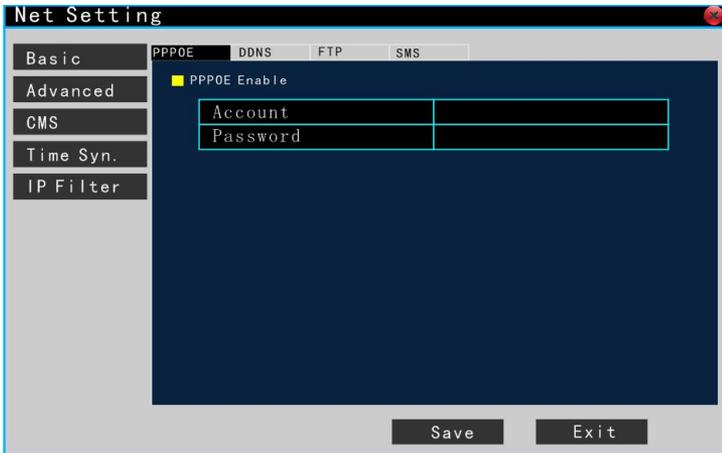
Video browsing:192.168.1.69.3001(client browsing)

Phone browsing:192.168.1.69.3002(phone should be the supported models)

Use the phone in the intranet, for example, the phone may support WIFI function and the router may have wireless function.

3.3.7.2.1 PPPoE Configuration

PPPoE(enable/disable): it is to enable or disable PPPoE function, the system default is disable.



Account: user name provided by ISP

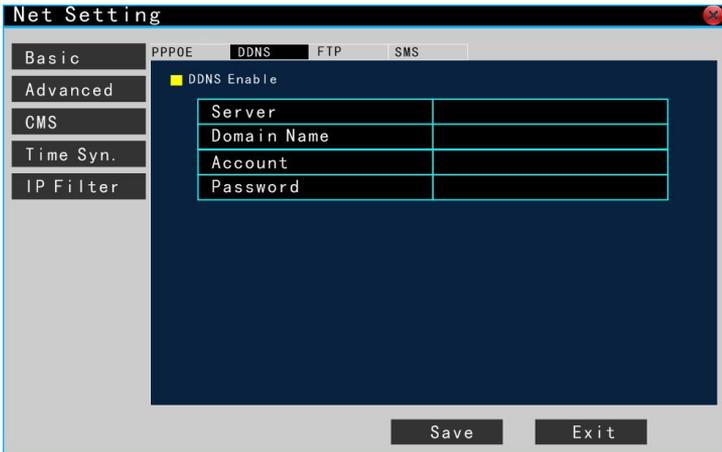
Password: the corresponding password provided by ISP.

Note: Enable PPPoE, input user name and password, save and exit, wait for 1 minute, enter the network setting interface, you will see the obtained IP. After restarting the equipment, it will automatically redial and obtain new IP address.

3.3.7.2.2 DDNS Configuration

DDNS is to map users' dynamic IP address to a fixed domain name service, when user is connecting to the network, the client program will transfer the dynamic IP address of the host device to the server program on the ISP's server by means of information transfer. And the server program will be responsible for providing DNS services and realizing dynamic DNS. In other words, dynamic DNS will capture users' ever-changing IP address and match it with the domain name, and then other network users may communicate with each other by means of domain name.

If it is to browse video on the WAN, firstly set transmission in the router settings. And then apply for a free domain name on 3322.org or DynDNS.org. Input the applied account and password in this setting box and save. Then you may browse on the WAN.

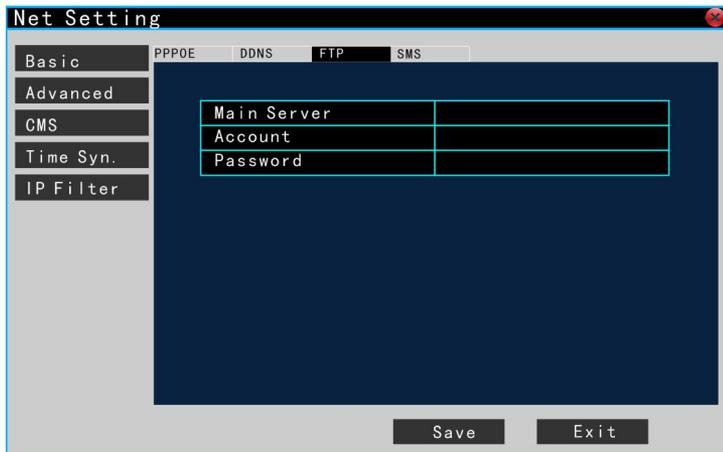


3.3.7.2.3 FTP Configuration

FTP is used for the two-way transmission of the control files on the internet. Users may use FTP to connect their own devices with all the servers using FTP protocols in the world and access the servers to obtain large amount of programs and information. The main function of FTP is to enable users to connect a remote computer, on which FTP server program is running, to check what kind of files there are on the remote computer. And then copy those files from the remote servers to the local computer, or send the files on the local computer to the remote servers. To set FTP, one should firstly have a server with FTP service function and apply for an account and password. And then input them in the setting box and save. Then you may upload the alarm videos to the server by FTP.

Note: FTP in this device is used for uploading the alarm videos and alarm

pictures in cooperation with CMS. Please remember to set the account and password before using CMS.

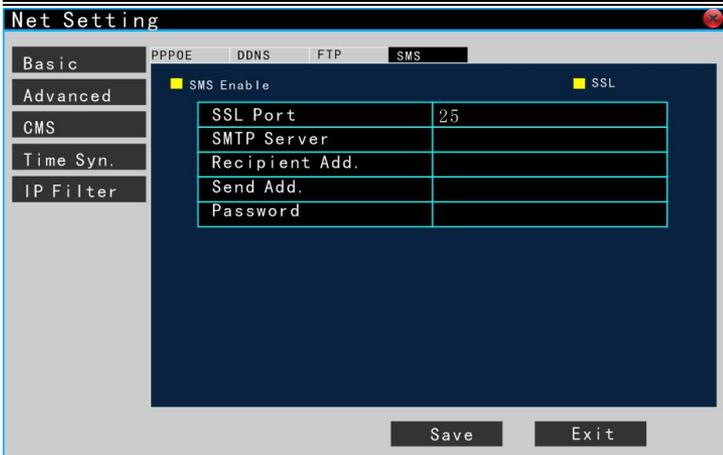


3.3.7.2.4 Mail Configuration

Mail setting procedures

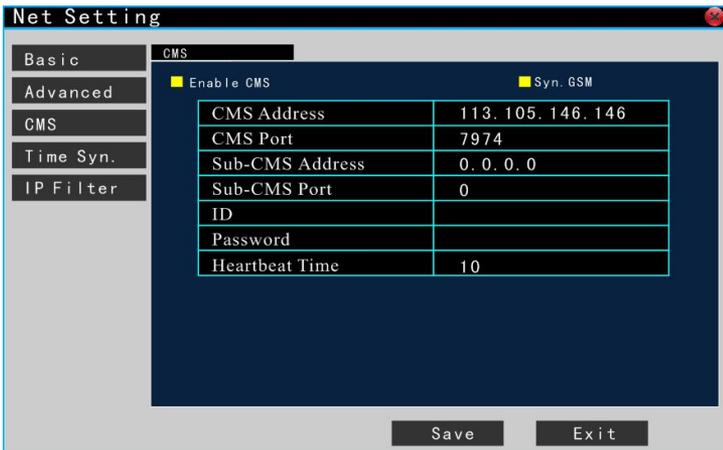
- 1/ search and input the SMTP Server domain name for sending mail
- 2/ input recipient address
- 3/ Input send address, which can be the same as the recipient address
- 4/ input the password of send mail
- 5/ click save button

The user has to apply for an E-mail box which supports SMTP. In case of alarms, the device will automatically log in the E-mail and send alarm pictures and alarm information in the E-mail box for the purpose of searching by users.



3.3.7.3 CMS Configuration

It can set alarm CMS IP, the alarm CMS IP of the company :113.105.146.146, if you want to upload the alarm information to the CMS, you have to apply and register and ID. If there are other CMS available for uploading , the CMS IP should be changed to the required IP. Enabling and disabling CMS require the restarting of the device.



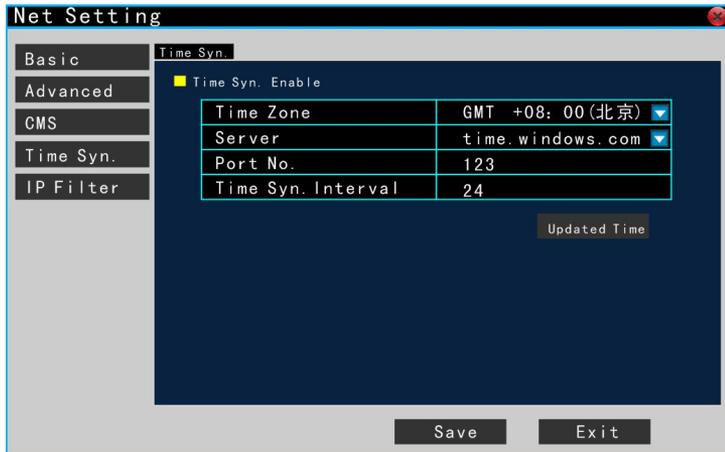
Heartbeat Time: it refers to a period, after which the device will send a signal to alarm CMS. If the signal is not set in the heartbeat time, CMS will give alarm

reports.

Sync GSM: it refers to the CMS information will synchronize with the GPRS.

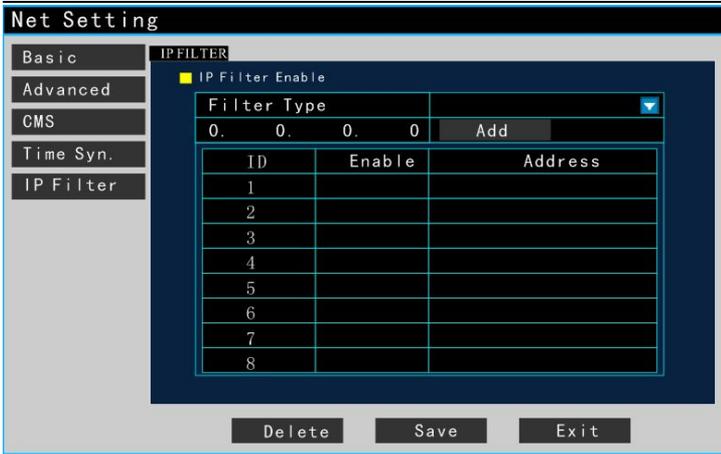
3.3.7.4 Time Syn.

It includes [time zone][server][port No.][time syn.interval].



3.3.7.5 IP Filter

Under below setting can permit to access to the host device's IP or forbid to access to the host device's IP. If enable the black list, the IP from the black list can not access to the host device.



3.3.8 Information



Under below setting can browse the channels, alarm input/alarm output, hardware version, software version, release date, serial number, hardware type. Please learn of version info in advance when upgrade the system or consult customer service.

