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H.264 NETWORK Embeded DVR

(8304/8308)

USER MANUAL



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1 INTRODUCTION

1.1 PREODUCT INTRODUCE

DVR-8304/8308 is developed base on HI3511 hardware platform. 8304 is 4channel CIF resolution digital video recorder and 8308 is 8channel DVR. Both of them have local recording, playback, support trible code remote network surveillance, data backup, parameter setting, motion detection, I/O alarm setting, PTZ and USB mouse.

1.2 PRODUCT FEATURE

- ² H.264 compression
- ² Two USB interface, USB2.0 for data backup, USB1.1 for mouse operation.
- ² 3.5" SATA HDD.
- ² Special file system for secureity.
- ² 16 nature translucence GUI, note for menu selected
- ² optimized four channel simultaneously playback, (8ch just support one channel playback)
- ² double level user management

Support the live view, parameter setting and copy playback video via network.

Item	Device	performance index				
	Language	Chinese/English				
System	GUI	Graphic menu				
	password	user password, administrator password				
	Video in	4ch complex video input 1.0V p-p,impedance75Ω,BNC				
Video	Video out	2ch complex video output 1.0V p-p,impedance75Ω,BNC				
	Video display	1/4channel switch/8ch 1/4/9 switch				
	Video standard	PAL,25f/s,CCIR625line,50scene NTSC,30f/s,CCIR525line,60scene				
Audio	Audio input	4ch audio input,impedance600Ω,RCA				
	Audio output	1ch audio output,impedance600Ω,RCA				
	Basic electricity output	Linearity electricity				

1.2.1 SPECIFICATION

	Record style	Audio video recorded simultanously
	Audio compression	ADPCM
	Picture	Н.264,
	compression	(VBR)/(CBR)
	Picture resolution	CIF/HD1/D1
	Streaming style	ISO14496-10
	Audio style	ADPCM
Picture proceeding and store	Video code rate	 CIF: 384Kbps ~ 768Kbps,8 leavel optional, 1 is highest,8 is lowest HD1: 512Kbps ~ 1024Kbps,8 leavel optional,1 is highest,8 is lowest D1: 512Kbps ~ 1024Kbps,8 leavel optional,1 is highest,8 is lowest
	Audio code rate	32KB/s
	Data storage	Support all kinds of storage HDD
Alarm	Alarm input	4 alarm input
/ lann	Alarm output	1 alarm output
	Servial interface	Support 1 RS232
Connector	Servial interface	Support 1 RS485
	Network interface	RJ45,10M/100M
	Mouse	USB1.1,
USB	Thumb drive	USB2.0
VGA	VGA	1 VGA □optional□
Software	PC playback	Playback video file
Software upgrade	Support USB,netwo	ork firmware upgrade
	voltage input	AC:110~240V
	Voltage output	DC:19V@3A
ohters	Voltage input	+12V@1A
	Power	6W without HDD
	Working tempreture	-1060 🗆

1.2.2 BASIC WORKING PARAMETER

item	parameter	remark
Voltage input	19V	DC 19V.
Voltage outputfor camera	12V□+/-0.2□	12V, 1A.
Video impedance input	75Ω	75Ωeach channel.
Video output	1Vр-р	1Vp-p CVBS signal
1/0	0—2V	Low voltage alarm
	5V-30v	Hight voltage alarm
RS232		serial port, for extend use
RS485		Connect to PTZ, (Pelco-D,Pelco-P)
SATA HDD		One SATA with all capability

1.3 ENTIRONMENT ADAPTABILITY

For the saftly using DVR and prolong device life, please pay attention on following detail:

- 1) When installing device, please comply all the electric product safty criterion;
- 2) Power and ground:
 - **u** Do not touch the power and DVR with a wet hand
 - u Do not drop liquid on DVR
 - **u** Do not put others on DVR
 - **u** Please using soft dry cloth when clean DVR, do not using chymistimpregnant

U When the power line connects with jack, even don't startup device. There is still have voltage

u If you do not use device for long time, please take the power line away from jack.

2 DEVICE OPERATION

In device operation, the enter key on remote control has the same function with mouse left click.

2.1 REMOTE KEY INSTRUCTION

2.1.1 REMOTE CONTROL



Handheld IR Controller Key Functions:

09keys: During setup, number keys are used to input values.

For viewing channels 1,2,3 and 4, use 1,2,3 and 4 on numeric keypad respectively.

□ □,□□ □ keys: During setup, plus and minus are used to select next or previous values.

▲, **V**: Up, Down directional keys: Move selection up and down in setup menu.

◄,►: Left, Right directional keys: Move cusor left or right in setup menu.

 $\Box \mathbf{OK} \Box$: During setup, select and save entry

During Playback and preview, displays the channel name, text number, driver name, event sensor item and time, year/month/date, time, GPRS/GPS info on the screen.

PLAY:Starts/Resumes playback from any other mode (FF, RR, Frame by Frame etc)

- □**SLOW**□:Reduces playback speed to 1/2X□1/4X□1/8X□1/16X mode. Press PLAY to return to normal playback speed.
- ■PAUSE/STEP :Freezes playback to single frame and can advance one frame at a time. To advance the frame press Pause/Step to move frame by frame. Press EXIT to return to normal playback speed.
- □**FWD**□: Fast forward the video while playback. X2, X4, X8 modes available. PressFWD to switch, press □PLAY□to return to normal speed;
- **REV**: Reverse the video while playback,2X,4X,8X four modes are available. Press REW to switch, press PLAY to return to normal speed;

STANDBY: Reset the MDVR to Power on and Power off mode. (Standby and start up);

□LOGIN/LOCK□: If the security is enabled in the setup, use LOGIN/LOCK key to enter the user setup. It is important to remember the password due to without restoration function. Log in□to enter into "User ID select" and "Password" input interface□and lock functions□To exit setup and operation□

EXIT: Exit to the preview or return to the last menu;

□RECORD□:Start manual record

STOP: Stop manual record (can't stop timer record and normal record)

MENU: Enter into setup interface and setup the system parameters

PTZ: PTZ control, press this key to enter into PTZ control interface when at single live view;
 EXTRA AUDIO MUTE for future use.

2.1.2 MOUSE OPERATION

You can use mouse to make operation of the menu except IR remote controller. (The operation usage is the same as PC Windows).Please inserts the mouse into USB1.1.

	Enter into main menu: Click the right key on the live view.
Click right key	Exit the present menu: It won't save the settings if you click the right key to exit.
	Exit the playback interface: Click the right key to exit when you are playback.
Click left key	Click the left key to enter into the setting interface.
	Click the left key to zoom in the window on the live view and playback video. Double click the left key can exit to the live view and playback multi-window interface.

	 Volume adjustment, color adjustment, PTZ setting and VGA border operation. It is for setting the single channel for volume adjustment, PTZ control and color adjustment. If it is multi-window, please use the left key to select the single window. The remark when click the left key for volume adjustment, color adjustment, VGA border is as follow: a. There is and on the PTZ setting to adjust parameter, click it can make the setting for PTZ. b. There is a sticker to show the volume on the volume adjustment interface. Move the mouse to the corresponding position and click the left key, The right side of sticker will show the volume ,click "x"to exit; c. Color adjustment and VGA border operation can refer to the volume adjustment interface operation.
	When there are many options in the option frame, click left key to ball out down-pull menu.
	To click the left key on the playback interface can make >> means forward, << means rew, >>I means Slow play, I> means frame play,> means Play, X means exit.
Click left or right key	 In the input frame, click the left key or right key can activate the keyboard. Click the right key can make the switch of Chinese and English on the soft keyboard. The number, symbol, english can be input by clicking the mouse. Pingyin also can be input by the softkeyboard when enter Chinese, the method is the same as IR remote controller. You can use the left/right key to turn over the page when check on Pingyin/Chinese word. When input number, click the right key, the number soft keyboard will bob up firstly, and then use the left key to select the corresponding value. Also click the left key to exit the number keyboard.
Mouse move	 Press the left key to move the mouse can adjust the parameter on the volume, color, VGA border interface. And the corresponding parameter will be display at the same time. In the Motion Detection setting interface, you can use the left key to drag the frame to set the motion detection area.

2.1.3 MENU TREE

You can control the DVR by a lot of menu operation. This tree will show you the menu structure and it will be in details in after chapter.



2.2 SYSTEM OPERSTION

2.2.1 USER LOGIN

1. START-UP

Connect the DC19V/3A adapter to DVR. When start up the DVR, DOW LED will be on and 4 images will be display on the screen. If it has setup ignition recording or time recording, the system will record automatically and the corresponding LED will be on, the system work normally.

Remark: If there is no HDD in device, or device didn't read the new HDD, it will display an H in live view, so please format it when connect a HDD for the first time.

2. SYSTEM LOGIN

When you login, you will find the window as follow if the password is enabled, Input device ID and user password via numeric key-board, and you can access to main menu via press

Apply

Remark: default device ID is: 00000, and the password is :user password is oooooo and Admin password is 020818, in order to manage the device more convenience, please setup the user password and change the device ID in the base setup. You can setup user and admin password, Administrator has all authorities, operator has limited authorities who they can only watch, playback, please change the unit ID and default password in time for system security.

	<u>}</u>	
DEVICE ID:	000000	(000010)
PSAAWORD:		
Charlond.	APPLY	EXIT

DEVICE ID: You just need to enter the unit ID as the right frame. **PASSWORD**: enter the admin password or user password.

2.2.2 GUI OPERATION

The main menu include "SEARCH", "RECORD", "HDD", "BASIC", "ADVANCE", and "EXIT".



Remark: You must after pressing "APPLY" to make the setting for submenu valid. It will no use when exit directly. This DVR have a special feature is: when you move the mouse to everwhere, there will have the explanation information showed autoly.

2.2.2.1 RECORD SEARCH

Move the cursor to _RECORD SEARCH _ Icon highlighted when selected _, press _Enter _ to enter into the setting interface.

DATE:You can adjust the checking date and time,press Enter **+**/--**•** or input the number directly to adjust the year,month,date.After finishing the time setting,move the cursor to "SEARCH" and press"APPLY",can see the recording status of this date.As follow:

	ATE			E	200	8-1	.z-	I SI	SAR	СН		09:	35		PL.	A
RECO	R S	TAT	Έ													
FEB	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	1
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Γ
	_										_					
26Th	0	0	0	1	0	2	0	3	0	4	0	5	0	6	0)7
	0	8	0	9	1	0	1	1	1	2	1	3	1	4	1	. 5
	1	6	1	7	1	8	1	9	2	0	2	1	2	2	2	3
	Ple					-									24	

Intruction:

1. MONTH: It will show all the recording status in this month. Green means normal recording,

Red means alarm recording, Grounding means no recording. Click any date in this frame can search the recording status of that day, the searching result will be showed in the below date frame.

2. DAY: It will show all the recording status in this day, you can playback the record file in this period via click the corresponding period.

PLAY:You can press Enter <u>++/--</u> or input number directly to setup playback time.After setting,move the cursor to "PLAYBACK", and then press"APLLY"to enter into video playback of that time.Also you can select any period of time in the video status frame after

searching, press" APLLY" to enter into the video playback of this period.

FILE LIST: Enter into the video file list interface of the selected date.

LOG SEARCH: Enter into the log seaching interface.

1. FILE LIST

Setup the searching date, after pressing "SERACH", move the cursor to "FILE LIST" and press" APPLY" to enter into the video file list of this date.

TYPE: There are all,normal and alarm,totally 3 options.Press \Box Enter \Box or $\Box + \Box/\Box - \Box$ to select.



Instruction:

1. □FILE LIST , "CHANNEL" is the recording file which belong to which channel, "SIZE" is display the size of this file □Unit:MB , "TYPE" is display the type of recording file, there are two types: normal and alarm, press "BACKUP" button can export the selected files to USB storage;

2. After moving the cursor up and down and select the files, and press APPLY to enter into playback interface. If the all channels have recording files, it will playback all windows at the same time.

3. If setup as "on" in the RECORD TIME in BASIC SETUP, it will show the date/time when playback record file; If setup as "off" it will not display time.

4. When playback,can press SLOW to play slowly;press FORWARD and REVERSE to speed reverse play; also can press PAUSE/STEP to pause and frame by frame play; Press Exit to exit from playback and return to the former menu;

5. When finished playback files, it will return to the file list interface.

2. BACKUP

You can use USB for backup, should insert USB device into the USB2.0 port before backup files. And it is support USB OTG.

You can select the recording file by direction keys or $\Box \Box \Box$, and press Enter means selected OK. There is a " $\sqrt{}$ " at the end of the selected recording files and press Enter again the " $\sqrt{}$ " will disappear that means cancel the select, we can start export the recording files after selecting, and press BACKUP to start to backup, as follow:

50%	
	50%

Instruction:

1 □When the space in backup device less than recording file, the system will prompt "Space no enough".

2 You can move USB device directly when backup finished.

2.2.2.2 RECORD SETUP

Move the cursor to **RECORD** Icon highlighted when selected , press Enter to enter into the setting interface. Press Confirm and enter into the setup interface, and you can use direction keys and cursor to change the options.



CHANNEL: ON: Means the channel enable for recording.

RESOLUTION:Setup resolution and code rate for recording, there are HIGEST, HIGH, NORMAL three options, corresponding to D1 HD1 CIF resolution.

QUALITY: There are BEST, FINE ANDNORMAL three option, corresponding HIGHEST, HINGAND NORMAL data stream standard

AUDIO: ON: Means enable the audio recording for all channels, OFF: Means disable audio recording

REC.MODE:

POWER UP: Means the device will start recording when it startup.

TIME: Recording as the schedule, you can setup the schedule as you want as follow.



CHANNEL: You can select all channels or just one channel to setup schedule.

WEEKLY: You can setup each as you want. There are ALARM, NORMAL, NO REC three modes, if you select this, there will have a $\sqrt{}$ in the frame, that means when you select the period of the day it will record as this mode, and you can just setup one day, then copy the setting to all other days. Different color means different record mode: Red means alarm record, green means normal record, grounding means no record.

RECORD SIZE: There are 15min, 30min, 45min, 60min four options, that means it will pack as the mode you selected

Scroll to APPLY and press ENTER to save the new settings.

2.2.2.3 HDD MANAGE

Move the cursor to \square HDD \square Icon highlighted when selected \square ,press \square Enter \square to enter into the setting interface, and you can use direction keys and cursor to change the options.

FREE SPACE AVAILABLE TIME	8G 13Hour	
OVERWRITE	ENABLE -	

HDD STATUS: There are three status available, normal, un-format, No HDD. If HDD can not run normally including unformat and no HDD, there is a H display on video live view. OVERWRITE: ENABLE: means when HDD space less than 4G, it will delete HDD earliest recording file, and it will stop deleting when the space is 10G; DISABLE: means when HDD space less than 500M it will stop recording, and an prompt will display in live view "please shutdown and replace HDD"

FORMAT:Move cursor there to select device and press APLLY to start format

2.2.3 BASIC SETUP

Move cursor to select "BASIC SETUP" (The big icon means selected)and press ENTER to enter into the system language setup interface.



Basic setup includes system language, time/date, security, display, video/audio and exit six options.

2.2.3.1 SYSTEM LANGUAGE

Move cursor to select "system language" (The highlighted when selected)and press ENTER to enter into the system language setup interface.



System language have Chinese and English two options, you can setup the language you want in here.

Remark: The device will restart when you setup system language success.

2.2.3.2 TIME SETUP

Move cursor to select "date/time" (icon highlighted when selected)and press ENTER to enter into the date/time setup interface.

	TI	ME SETUP		
DATE	2008-12-1	1 DATE FOR	MAT YY-MM-I	DD
TIME	09:38:07	TIME FOR	MAT 24HOURS	5
MODIFY D	ATE AND TIME			
DST	ON -	DST MODE	CUSTOM -	
START FIN	E:AM 2:00 15	T WEEK <mark>-</mark> SUNI	DAY JAN -	
ENG TIME	:PM 2:00 1S	T WEEK - SUNI	DAY JAN 🔫	
	DEI	FAULT AP	PLY EXI	т

DATE: Setup system date via numeric key.

DATE FORMAT: Press ENTER to switch between the date patterns, there are YY-MM-DD and MM/DD/YY two options.

TIME: Setup system time via numeric key.

TIME FORMAT: Press ENTER to switch between the date patterns, there are 12 HOURS and 24 HOURS two options.

Remark: You must move the cursor to the DODIFY TIME AND DATE and press APPLY to save it, otherwise it won't save the modify if you exit this interface.

DST: haven't finished yet.

2.2.3.3 SECURITY

Move the cursor to SECURITY I con highlighted when selected, press Enter to enter into the setting interface.

	SECU	IRI	ТҮ		
DEVICE ID	000010				
PASSWORD	ENABLE	•			
USER PASSWORD	*****		RE-ENIER	*****	
ADMIN PASSWORD	*****		RE-ENIER	*****	
			APPLY	EXIT	T I

DEVICE ID:Press + 0/0-0 or number key to setup the unite ID

PASSWORD:Press APPLY to start or close user password. If it is "ENABLE", you must input password when log in, otherwise, you can enter into main manu directly.

USER PASSWORD:Press **I**+**I**/**I**-**I**or numbe keys to setup user password.

ADMIN PASSWORD:Press + 0/0-0 or press number keys to setup admin password.

2.2.3.4 DISPLAY SETUP

Move the cursor to DISPLAY SETUP I con highlighted when selected , press Enter to enter into the setting interface.

CH1	CH1	TOPLEFT -	SETUP	ON
CH2	CH2	TOPLEFT -	SETUP	ON
СНЗ	СНЗ	TOPLEFT -	SETUP	ON
CH4	CH4	TOPLEFT -	SETUP	ON

NAME: press Enter to enter into the setting interface.

POSITION:press Enter to switch name location,there are 5 options:bottom left, top left, bottom right, top right and OFF.

COLOR:press Enter to enter into setting interface, as following:



Press Enter on + Enter on + Enter on the cursor to set colors, including chroma, brightness, contrast and saturation, press APPLY to save the parameters.

PREVIEW: ON: Means the channel is allowed to view the live mode, OFF means not. **PREVIEW TIME:** ON: Means insert clock in live view, OFF means not. **RECORD TIME:** ON: Means insert clock in record file, OFF means not.

2.2.3.5 VID/AUD SETUP

Move the cursor to VID/AUD SETUP Icon highlighted when selected press Enter to enter into setting interface.

	VID/AUD SETUP
VGA RESOLUTION	1024x768 -
CAMERA SYSTEM	PAL
VOLUME SETUP	
V	APPLY EXIT

VGA RESOLUTION:press Enter key to setup the VGA resolution, there are 1024*768 800*600 and 600*480 three options.

CAMERA SYSTEM: press Enter to switch camera system, has PAL and NTSC two options VOLUME SETUP: move cursor to VOLUME SETUP press Enter to enter into volume setup interface, press + for number keys or directly drag the cursor to adjust volume.

Remark: it will restart if you modify the camera system.

2.2.3.6 EXIT

Move the cursor to EXIT I con highlighted when selected , press Enter to back to main menu.

2.2.4 ADVANCE SETUP

Move the cursor to ADVANCE SETUP I con highlighted when selected, press Enter to enter into setting interface.



Advanced Features include Alarm settings, system information, Motion detection, mobile phone monitoring, system maintenance, PTZ and network setting.

2.2.3.7 ALARM SETUP

Move the cursor to ALARM SETUP I lcon highlighted when selected , press Enter to enter into setting interface.

I/O CHANNEL CH1 CH2 CH3 CH4 I/O ALARM OFF NO OFF NO OFF NO HDD LOSS ON HDD SPACE OFF OFF OFF OFF WIDEO LOSS OFF OUTPUT 10S BUZZER OS OS ALARM MANAGE OUTPUT 10S BUZZER OS OS	I/O ALARM OFF NO OFF NO HDD LOSS ON HDD SPACE OFF WIDEO LOSS OFF HDD SPACE OFF ALARM MANAGE OUTPUT 10S BUZZER OS POST REC IMIN HDD SPACE OS IMIN	OFF - ON - OFF -	NO		OFF -	NO	
HDD LOSS ON - HDD SPACE OFF WIDEO LOSS OFF - ALARM MANAGE OUTPUT 10S - BUZZER OS	HDD LOSS ON THDD SPACE OFF WIDEO LOSS OFF ALARM MANAGE OUTPUT 10S BUZZER OS POST REC 1MINT EMAIL SETUP	ON - OFF -					•
WIDEO LOSS OFF - ALARM MANAGE OUTPUT 10S - BUZZER OS	WIDEO LOSS OFF - ALARM MANAGE OUTPUT 10S - BUZZER OS - POST REC 1MIN - EMAIL SETUP	OFF 🝷	100	HDD	SPACE	OFF	•
ALARM MANAGE OUTPUT 105 - BUZZER 05	ALARM MANAGE OUTPUT 10S - BUZZER OS - POST REC 1MIN - EMAIL SETUP	Service.	100				
	POST REC 1MIN	UTPUT	100				
POST REC 1MIN -	EMAIL SETUP	01101	102	-	BUZZE	ER OS	-
		POST REC	1MI	N 🕶			
EMAIL SETUP	💬 Buzzer du		ration	ration ti	ration time s	DEFAULT APPLY	

I/O ALARM: Each channel has an I/O status, that is, when an alarm triggered, it will activate the corresponding channel to start alarm recording.

N.O: indicate I / O input level from high to low effective

N.C: indicate I / O input level from low to high effective

HDD LOSS:ON means it will trigger a alarm if there is no HDD, and it will display an $\Box H \Box$ On the bottom left of channel 1 in the live view

HDD SPACE: ON: If the space less than 500M, there is a remark in live view: No enough space, please change HDD after shutdown.

VIDEO LOSS: ON: when one channel has no video input, it will display "video loss" in live view.

ALARM MANAGE: There are alarm output, buzzer and post REC three items.

OUTPUT: when an alarm triggered, the alarm output time will be:

0 second 10 seconds, 20 seconds, 40 seconds and 60 seconds

- BUZZER:buzzer calling time setup when alarm triggered: 0 second,10 seconds,20 seconds,40 seconds and 60 seconds
- POST REC.:post recording time setup: 30 seconds,1 minute,2 minutes and 5 minutes

EMAIL SETUP: not finished yet.

2.2.3.8 SYSTEM INFO

Move the cursor to SYSTEM INFO Icon highlighted when selected, press Enter to enter into setting interface, at this interface mainly display system hardware features and firmware version, include : device type, software version, MAC address serial number.

	SYSTEM INFO	
SOFT VERSOON	T011902	
MAC ADDRESS	00-11-22-33-44-55	
SERIAL NO.	1234567890	
		EXIT

2.2.3.9 MOTION DETECT

Move the cursor to MOTION DETECT I loon highlighted when selected, press Enter to enter into setting interface.

		ION DETECT			
MD CHANNEL	CH1	CH2	СНЗ	Ch4	
STATUS	ON 💌	OFF -	OFF 💌	OFF 🔫	
SENSITIVITY	4 -	3 -	2 -	3 🕶	
MD AREA	SETUP	SETUP	SETUP	SETUP	

STATUS:Each channel has corresponding channel switch, press Denter to turn on or turn off the motion detection for each channel..

SNESITIVITY:each channel has corresponding sensitivity setting, including four standards high, higher, medium and low, press Enter key to switch

MD AREA: each channel has corresponding regional motion detecting setting,move the cursor to corresponding_setting_press_Enter_to enter regional setting interface, red area means it have activated motion detection, transparent block means it have not activated motion detection.



Move the direction key on romote control to make cursor move in the small pane, green frame means the cursor has moved to this pane, press Enter to select or cancel motion detection of this small pane, when setup finished, press exit to back to MD setup interface, it will save automaticly.

Remark:

IR Operation: press [Menu] key to select or cance all the screen. Mouse operation: click left and drag the frame to setup the region for motion detection.

2.2.3.10 MOBILE

Move the cursor to \square MOBLE \square Icon highlighted when selected \square , press \square Enter \square to enter into setting interface.

	MOBILE		
CHANNEL	CH1 -		
MOBILE NETWORK	3 G 🔽		

CHANNEL: select the channel for mobile view, and press [Enter] to switch different channels. **MOBLE NETWORK:** Select different mobile network from the options of 3G, 2.5G and 2.75G, and press [Enter] to switch different network.

2.2.3.11 SYSTEM MAINTAIN

Move the cursor to SYSTEM MAINTAIN (icon highlighted when selected), and press Enter to enter into system maintain setup interface.



AUTO RESET: When switch is on, you can setup the time for device to restart.

SYSTEM UPDATE: Copy the update file to the root directory of the thumb driver, and insert it into USB 1.0, then press [Enter] to upgrade the firmware, and it will display the process of the system upgrading, as following:

	WARNING	
Processing Upgrading, dor	't pull out thumb drive!	50%

DEFAULT SETTINGS: Restore all the settings as the factory setting.

2.2.3.12 PTZ SETUP

Move the cursor to PTZ SETUP Icon highlighted when selected press Enter to enter into setting interface, you can setup the parameters for each channel separately.

CHANNEL: The channel of PTZ connected.

PROTOCOL: select the protocol of different PTZ, there are two protocols to switch, and the default is Pelco-D

BAUD RATE: select the different baud rate for your PTZ, there are 1200, 2400, 4800, and 9600 **DATA BIT:** there are 5,6,7,8 options to select, default setting is 8.

STOP BIT: there are 1 and 2 to select, the default setting is 1.

VERIFY: there are None/Odd/Even/Mark/Space to select, the default setting is none. **ADDRESS:** Fill the code of respective PTZ

		PTZ SETU	IP	
CHANNEL	CH1	CH2	CH3	CH4
PROTOCOL	Pelco-D-	Pelco-D-	Pelco-D-	Pelco-D-
BAUD RATE	9600 🔫	9600 🔫	9600 🔫	9600 🔫
DATA BIT	8 🕶	8 -	8 🔽	8 🔽
STOP BIT	1 -	1 -	1 -	1 -
VERIFY	ODD 🔽	ODD 🔫	ODD 🚽	ODD 🔫
ADDRESS	001	001	001	001
		DEFAULT	APPLY	EXIT

2.2.3.13 NETWORK SETUP

Move the cursor to [NETWORK SETUP] (icon thighlitend when selected), and press Denter

to enter into setting interface .

TYPE: There are PPPOE, DHCP & Static three options.

• STATIC

Select [Static] in the type, and press [Enter] to enter into the interface as followings

MEDIA PORT	09000	
WEB PORT	00080	
IP ADDRESS	192. 168. 015. 141	
NETMASK	255. 255. 255. 000	
GATEWAY	192. 168. 015. 001	
DNS	202. 096. 134. 133	

MEDIA PORT for future use

WEB PORT: setup the port of IE browser via HTTP.

IP ADDRESS: setup the IP address, and press [Enter], [+], [-] or number keys to change the value.

NETMASK: press [Enter], [+], [-] or number keys to change the value.

GATEWAY: press [Enter], [+], [-] or number keys to change the value.

• DHCP

Select the DHCP, and enter into the interface as followings.

TYPE	DHCP -
MEDIA PORT	09000
WEB PORT	00080
DNS	202. 096. 134. 133
DNS DDNS SETTIN	

MEDIA PORT: the communicate port between PC and DVR, recommend use default port. **WEB PORT:** setup the port of IE browser via HTTP.

PPPOE username and password: fill the username and password of the internet service offer, and apply it and reboot the system. After rebooting, the device will save it and set the PPPOE as

default network type. If succeed, the IP address will be automatically config as dynamic IP of WAN.

• PPPOE

Select the PPPOE, and enter the interface as followings

	NETWORK SET	UP		
ТҮРЕ	PPPOE -			
MEDIA PORT	09000			
WEB PORT	00080			
PPPOC NAME				
PASSWORD				
DNS	202. 096. 134. 133			
DDNS SETTIN	IGS			
	DEFAULT	APPLY	EXIT	

MEDIA PORT: the communicate port between PC and DVR, recommend use default port **WEB PORT**: setup the port of IE browser via HTTP.

PPPOE username and password: fill the username and password of the internet service offer, and apply it and reboot the system. After rebooting, the device will save it and set the PPPOE as default network type. If succeed, the IP address will be automatically config as dynamic IP of WAN.

DNS: press [Enter], [+], [-] or number keys to change the value.

DDNS: move the cursor to it and press [Enter] to enter into the interface as followings.

SERVICE 3322 - HOST NAME	
USERNAME	
PASSWORD	

DDNS: There are [ON/OFF], and if there is a DDNS service, please setup it as ON.
SERVICE: There are 3 serviceS to select, 3322, dyndns, perfecteyes.
HOST NAME: Input the name of the host server.
USERNAME: Input in the name of the user.
PASSWORD: Input the password.

Application of DDNS

You should Register a host name, user name and password from DDNS manufacture, now we are take 3322 for example, to show you how to register.

Please type in the IE address as follow: to Register a new user.

C	希网网络 1~99	首贝	5 <u>用户</u> 2	E册 修改用户信息 管理域名 3
22			用户	注册
			请输入	用户名
	用户名:	szbcs001	*	(用户名只能由字母a-z、数字0-9% 一个字符必须 <mark>为字</mark> 母,长度为3-30)
	电话:	0755-12345678	*	(格式为"区 <mark>号</mark> -电话号码-分机号
	EMAIL:	xxx@xxx.com	*	(我们将发一封注册信件给您,所 必正确填写Email)
	手机号:			
		提交	全部重写	(*为必填字段)
	2			

- 1) Fill out all the information then submit.
- 2) Minutes later, you will get a mail from 3322, which include the primary password for the user you just register.
- 3) Then please login <u>http://members.3322.org/</u> with the new user and password, click "domain name management" to enter into the operating interface, then select "new" under the Dynamic DDNS.

动态域名 (DynamicDNS) szbcs001.3322.org	希网	动态域名 用户创建动态 请正确输入下表的P 请正确输入域名	内容	
新建	主机名:	szbcs001	3322. org 🗸 🕅 🕬	
静态域名 (Static DNS)	IP地址:	121.34.54.9	CERD	
域名转向 (WebHop)	邮件服务器(mx):		CERP	
子域名 (SubDom)	备份邮件服务器:	T CEED		
	通配符:	是 🗸 (1320)		
查询			确知	ŧ

4) Create a mane you need, then press apply; now you have Registered a host name success.

For example:

1, Network: ADSL, only one DVR need to connect to internet.

- Make sure the DVR has connected to ADSL modem success; the LED is flashing means success.
- 2) Network type: PPPoE
- 3) Input media port and web port, default value is 9000 and 0080
- 4) Type in the PPPoE user name and password from internet manufacture.
- 5) Fill in the IP of DNS sever, such as 202.96.128.166

RECORD	ALARM	PTZ	NETVVORK	SETTING	HOSTINFO	
TY	'PE	STATIC 💌	H			
IP	ADDRESS	192.168.3.97	MEDIA PORT	9002		
NE	TMASK	255 .255 .255 . 0	WEB PORT	80		
PP	POE NAME		PASSWORD			
DN	IS	255 .255 .255 . 0	GATEWAY	192 . 168	3,2	
ĐĐ	INS	ON 👻				
н	STNAME		USER NAME		1	
SE	RVICE	3322	PASSWORD			

- 6) Since the public IP will change after restart, please use DDNS function, and mapping the public IP to a fixed domain name, as the picture.
- 7) Save and restart device, it will connect to internet via PPPoE mode automatically, if success, it will got a dynamic public IP.
- 8) ping xxx.xxx.xxx(The public IP of DVR) to check whether the network is ok, and ping xxx.xxx.xxx the domain name of DVR to check whether the DDNS settings is ok.
- 9) Open IE browser, and type in the domain name of DDNS (if WEB port is not 80, you should add a port, such as:<u>http://members.3322.org:8088</u>)

Please download the IE control, then enter into login interface, the default setting has no password.

2. Network: ADSL, a number of DVR need to connect to internet.

- 1. Make sure your ADSL router support a number of DVR to connect to internet at the same time.
- 2. Connect DVR to ADSL router correctly as the manual.
- 3. Start-up the PPPoE functions of ADSL router, and start to dialing to connect to internet.
- 4. Please turn off the DHCP function of the router; the network mode of both DVR and pc should be static. Remark: All the sub mask, gateway and DNS of DVR, PC and rout should in the same net field, as follow:

Setup of the ADSL	router			
DI-524M	设置	进阶设定	工具	系统状态
设置向导	网络设置			
无线设置	这部分用作配置LAN端,可以i	发置为DHCP服务器。		
网络设置	保存设定不保存设定			
	LAN 设置			
	这部分用于设置LAN端的IP,子	网掩码; IP地址和子网掩码。	必须正确填写;	
		IP地址: 192.168.0.1		
		网掩码: 255.255.255.0		
	C	NS中继: 🔲		
DVR Setup				
实时预览 录	像回放 设置			
录像模式 报	警设置 云台控制	网络设置	系统设置	主机信息
联网方式	静态配置	~		
IP地址	192.168.0.10		9000	
子网掩码	255 .255 .255 . 0	WEB端口号	80	
PPPoE用	户名 sz5539743@163.go	密码	***	
DNS	202 . 96 .128 .16	6 网关	192 . 168 .	0.1
DDNS	打开	~		
主机名	szbcs001	用户名	szbcs001	
服务器地	JL 3322	✓ 密码	****	

PC network setup

连接时使用:	常规	
■ Intel (R) 82567LM Gigabit Netw(配置 (C)	加里网络支持此功能,则可以	莽取自动搜派的 TP 设置。不
此连接使用下列项目 (2):	您需要从网络系统管理员处获	获取自动指派的 IP 设置。否则 得适当的 IP 设置。
 ✓ ■ Microsoft 网络客户端 ✓ 具 QoS 数据包计划程序 	○ 自动获得 IP 地址(0)	
☑ 圓Microsoft 网络的文件和打印机共享	● 使用下面的 IP 地址 (S):	1
☑ 3-Internet 协议(TCP/IP)	IP 地址(I):	
	▲ 子网掩码(U):	255 . 255 . 255 . 0
说明 TCP/IP 是默认的广域网协议。它提供跨越多种互联网络	默认网关 @):	192 .168 . 0 . 1
的通讯。	○ 自动获得 DWS 服务器地	L(B)
✓ 连接后在通知区域显示图标 (近)	────────────────────────────────────	也址 (匡):
🗹 此连接被限制或无连接时通知我 🛯	首选 DNS 服务器 (P):	202 . 96 . 128 . 166
	备用 DNS 服务器(A):	202 . 96 . 134 . 133

- 5. Please check if the PC can access to internet via open a IE web.
- 6. Type in the IP of DVR in IE address to check if can access to DVR.

7. Mapping the port in the ADSL router, please open the DVR media port and WEB port for remote IE client in here.



- 8. Please use a remote PC to ping xxx.xxx.xxx (the domain name of the DVR) to check if the DDNS setup is ok.
- 9. Open IE browser, and type in the domain name of DDNS (if WEB port is not 80, you should add a port, such as:<u>http://members.3322.org:8088</u>)
- 10. Please download and install the IE control, then enter into login interface, the default setting has no password.

3. Network: Enterprise special internet line and the router have fixed public IP, DVR need to connect to internet.

- 1) Make sure the connection between DVR and router is correct.
- 2) Network type please select static
- 3) Please setup the IP address, sub mask gateway and port as the manual.
- 4) Ask the Administrator to open the media port and WEB port in the router.
- 5) Try to use a LAN PC to access to DVR via type in the local IP of DVR + port (for example: http://192.168.3.97:8088).
- 6) Try to use a WAN PC to access to DVR via type in the public IP of the router + port (for example: http:// 58.60.231.218:8088).

3 IE OPERATION

3.1 FEATURE

Through the IE browser of OS and install the software, you are able to do the network operation remotely, which is much more convenient. DVR support C/S, B/S, and visit in LAN and WAN, also support IP and domain name visiting.

Remark: Operating system Windows XP, Windows Vista and Browser IE6.0, IE7.0 is recommended

3.2 USER LOGIN

Input the DVR local IP in IE browser, when changed the port, you should add the port number after IP address, e.g. if DVR local IP is 192.168.3.97 (LAN) and the port is 8088, you should input http:// 192.168.3.97:8088. The default port is 8088, and directly input http:// 192.168.3.97 to access the login interface as following.

2 Web Application Manager - Microsoft Internet Explorer	
Ele Edk View Favorites Iools Help	
🚱 Back • 🕤 · 🖹 📓 🏠 🔎 Search 👷 Favorites 🧐 🔗 🎍 🔟 •	· 11
Address 🔊 http://192.168.3.97/	So Links "
CHINESE	
- OF MINLOL	
• ENGLISH	
	GIN
PASSWORD:	
NETWORK: INTERNET	¥
LOGIN	RESET
¢	
Done	💣 Internet

Select English interface in the top left side. Input username and password to enter into the system. The username and passport is same as the ones set in DVR.

PASSWORD: Administrator has all authorities, operator has limited authorities who they can only watch, playback, please change the unit No. and default password is blank.

NETWORK: LAN/WAN

Remark: If you connect the device in WAN, the IP should be a public IP.

3.3 OPERATION INTERFACE

There are Liveview, Playback and Setup options in the main interface, please press them to access it.

3.3.1 LIVE



3.3.1.1 PTZ CONTROL

Change the focus, preset aperture to control the PTZ.



Click to up/down/left/right control movement of the PTZ. When hold on the one direction key, the PTZ will keep circling as that direction after user press the stop

key in the center of the wheel.





3.3.1.1.2 PTZ PRESET

PAN&TILE POS: Setup preset point.

You can control it via the below three buttons: SETTING HANSFE CLEAR

3.3.1.2 PLAY

Move cursor to the icons, it will highlighted when selected

Open all windows.

Capture picture, save in local disk, the default save path is C:/DVR

Quickly start all channels' recording video, here the left up corner of each channel have normal recording video symbol R , click icon to switch between singal

screen /quad //ine //16 spllit //16 spllit

Volumn adjust button

3.3.1.3 OTHER OPERATION

1. Select one channel at preview screen (the selected channel's frame will be change to RED), double click left key, enter to the selected channel single screen display.

2. Click one Chanel via left key at preview screen, then click right key, will occur window shortcut Menu, see below picture



You can open, shut down and start this channel's record via shortcut menu.

3.Click right key at one live view screen, click" open all windows" or " close all windows", will quickly open/close all windows.

3.3.2 REPALY

Click REPLAY to enter into remotely playback interface, which is to playback the record file in DVR.



Click right up of calendar interface and and and to setup the month for searching, click" refurbish", at the calendar interface will display the recording information of current month

2E.70-	_ 生期二	星期四	星期五	星期
3	4	5	6	7
10	11	12	13	1
17	18	19	20	2
24	25	26	27	2
31				
			RE	FLAS
	10 17 24	10 11 17 18 24 25	10 11 12 17 18 19 24 25 26	10 11 12 13 17 18 19 20 24 25 26 27 31

The highlighted date means that day have recording video, RED FRAME means the date is system date, click the date will search that days' recording file list. For example, the above picture display 2008, Dec. 3rd,4th,5th,6th,8th,9th,10th,11th,12th,17th,18th have recording video, and system date is 18th, Dec, 2008, currently search date is 17th, Dec.

At the below of calendar select channel and type, click SEARCH, the result will display, as follow.

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	ME	CHANNEL	SIZE	^
8:05:36-09:05:36 2 452.4M 8:05:36-09:05:36 3 455.6M 8:22:58-08:26:54 4 26.2M 8:26:54-09:18:59 4 357.6M 9:01:26-09:18:59 1 129.6M 9:05:36-09:18:59 2 101.4M 9:05:36-09:18:59 3 102.4M 9:19:39-09:26:52 1 53.1M 9:19:39-09:26:52 2 54.9M 9:19:39-09:26:52 3 54.9M 9:19:40-09:20:41 4 7.2M 9:20:41-09:26:52 4 43.1M 9:27:30-09:40:55 1 97.8M 9:27:30-09:40:55 2 101.4M 9:27:30-09:40:55 3 102.3M	8:04:36-08:05:36	2	7.7M	
08:05:36-09:05:36 3 455.6M 08:22:58-08:26:54 4 26.2M 08:26:54-09:18:59 4 357.6M 09:01:26-09:18:59 1 129.6M 09:05:36-09:18:59 2 101.4M 09:05:36-09:18:59 3 102.4M 09:05:36-09:18:59 3 102.4M 09:19:39-09:26:52 1 53.1M 09:19:39-09:26:52 2 54.9M 09:19:39-09:26:52 3 54.9M 09:19:40-09:20:41 4 7.2M 09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	08:04:36-08:05:36	3	7.7M	
08:22:58-08:26:54 4 26.2M 08:26:54-09:18:59 4 357.6M 09:01:26-09:18:59 1 129.6M 09:05:36-09:18:59 2 101.4M 09:05:36-09:18:59 3 102.4M 09:19:39-09:26:52 1 53.1M 09:19:39-09:26:52 2 54.9M 09:19:39-09:26:52 3 54.9M 09:19:40-09:20:41 4 7.2M 09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	4 08:05:36-09:05:36	2	452.4M	
08:26:54-09:18:59 4 357.6M 09:01:26-09:18:59 1 129.6M 09:05:36-09:18:59 2 101.4M 09:05:36-09:18:59 3 102.4M 09:05:36-09:18:59 3 102.4M 09:09:09:26:52 1 53.1M 09:19:39-09:26:52 2 54.9M 09:19:39-09:26:52 3 54.9M 09:19:40-09:20:41 4 7.2M 09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 3 102.3M	408:05:36-09:05:36	3	455.6M	
09:01:26-09:18:59 1 129.6M 09:05:36-09:18:59 2 101.4M 09:05:36-09:18:59 3 102.4M 09:19:39-09:26:52 1 53.1M 09:19:39-09:26:52 2 54.9M 09:19:39-09:26:52 3 54.9M 09:19:40-09:20:41 4 7.2M 09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	08:22:58-08:26:54	4	26.2M	
09:05:36-09:18:59 2 101.4M 09:05:36-09:18:59 3 102.4M 09:19:39-09:26:52 1 53.1M 09:19:39-09:26:52 2 54.9M 09:19:39-09:26:52 3 54.9M 09:19:40-09:20:41 4 7.2M 09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	4 08:26:54-09:18:59	4	357.6M	
09:05:36-09:18:59 3 102.4M 09:19:39-09:26:52 1 53.1M 09:19:39-09:26:52 2 54.9M 09:19:39-09:26:52 3 54.9M 09:19:40-09:20:41 4 7.2M 09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	09:01:26-09:18:59	1	129.6M	
09:19:39-09:26:52 1 53.1M 09:19:39-09:26:52 2 54.9M 09:19:39-09:26:52 3 54.9M 09:19:40-09:20:41 4 7.2M 09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	4 09:05:36-09:18:59	2	101.4M	
09:19:39-09:26:52 2 54.9M 09:19:39-09:26:52 3 54.9M 09:19:40-09:20:41 4 7.2M 09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	4 09:05:36-09:18:59	3	102.4M	
09:19:39-09:26:52 3 54.9M 09:19:40-09:20:41 4 7.2M 09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	09:19:39-09:26:52	1	53.1M	
09:19:40-09:20:41 4 7.2M 09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	09:19:39-09:26:52	2	54.9M	
09:20:41-09:26:52 4 43.1M 09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	409:19:39-09:26:52	3	54.9M	
09:27:30-09:40:55 1 97.8M 09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	09:19:40-09:20:41	4	7.2M	
09:27:30-09:40:55 2 101.4M 09:27:30-09:40:55 3 102.3M	409:20:41-09:26:52	4	43.1M	
09:27:30-09:40:55 3 102.3M	09:27:30-09:40:55	1	97.8M	
	409:27:30-09:40:55	2	101.4M	
09:27:30-09:40:55 4 92.3M	409:27:30-09:40:55	3	102.3M	
	409:27:30-09:40:55	4	92.3M	~

Double click one item of listed recording video, the recording video will playback, meanwill file icon will change to , and will occur the below picture play buttons:



The above purple progress bar shows download progress, green progress bar shows playback progress

Pause	Switch between pause/play
STOP	Stop play
F.F.	Fast play
SLOW	Slow play
NEXTFRAME	Pau <mark>se</mark> at next frame
264 TO AVE	Convert H 264 file to H ovi file, click th

264 TO AVI Convert H.264 file to H.avi file, click this button access into file convert setting

interface, as follow.

	AviConvert	
	SOURCEFILE	D:\MINI vehicle record\streaming\aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
	DESTINATIONFILE	D:\MINI vehicle record\ERER.avi
		Convert
SOU	RCE FILE: Click	to setup the H.264 file to convert
DES	TINATION FILE: C	Click to setup the directory for saving avi file
After	setting, click Con	vert, file convert start, the convert progress bar (see below picture)
will see th	ne progress of conv	vert.
0		

3.3.3 SETUP

Click SETUP to enter into setup interface, this interface include record, alarm, PTZ, network, setting and system information six menus.

3.3.3.1 **RECORD**

Click to enter into setup interface; you can check the parameter settings as in GUI of DVR.

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3.3.3.2 ALARM

ALARM Click to enter into setup interface; you can check the parameter settings as in Ģ

> a X 19

GUI of DVI	R.							
🗃 Web Ap	plication M	anager - Mi	crosoft Inter	net Ex	plorer			
Ele Edit	View Fgvo	rites <u>I</u> ools	Help					
G Back	· 0 ·		sea 🔍	rch 🤺	Favorites	0	3.3	
Address	http://192.16	8.3.97/						
LIVE		REPLAY	SETUP					
RECOR	D	ALARM	PTZ		NETWORK		SETTING	
	CHANNE		CHI		CH2		снз	
	10 ALAR	м	OFF.	~	OFF	~	OFF	1
	MOTION	DETECT						
	STAT	JS	OFF	~	OFF	¥	OFF	×
	SENS	TIVITY	HIGHEST	4	HIGHEST	~	HIGHEST	~

LIVE REPLAY	SETUP				
RECORD ALARM	PTZ	NETWORK	SETTING	HOSTINFO	
CHANNEL	CHI	CH2	CH3	CH4	
VO ALAFIM	OFF S	OFF	OFF 🚩	OFF 🛩	
MOTION DETECT					
STATUS	OFF	OFF	OFF 💌	OFF	
SENSITIVITY	HIGHEST N	HIGHEST	HIGHEST 🔽	HIGHEST M	
MD AREA	SETUP	SETUP	SETUP	SETUP	
VIDEO LOSS	OFF				
HDD SPACE	OFF				
HDD LOSS	ON	1			
ALARM MANAGE					
OUTPUT	10				
POST REC	1Min S]			
3.3.3.3 PTZ

ck	PTZ		to enter	into setu	up interf	ace; you can check the pa	arameter settings as in
ll of DV	′R.					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	J
	plication Manage	r - Microso	oft Internet Expl	orer			
Ele Edk	View Fgvorites	Iools Help					1
G Back	• 🔘 · 🛃 🛛	2 🟠	🔎 Search 👷	Favorites 🙆	Ø•≧ ĕ	- 12	
Address 🔊	http://192.168.3.97/	1					💌 🛃 Go Links " 📆 •
LIVE	REPLA		SETUP				
RECORD	D ALARI	м	PTZ	NETWORK	SETTING	HOSTINFO	
	CHANNEL	CHI	CH2	CH3	CH4		
	PROTOCOL	PELCO-D	PELCO-D	PELCO-D	PELCO-D	<u>~</u>	
	ADDRESS	1	✓ 1	✓ 1	✓ 1		
	BAUD RATE	9600	9600	9600	9600	×	
	DATA BIT	8	v 8	₩ 8	8		
	STOP BIT	1	¥ 1	✓ 1	≥ 1		
	VERIFY	000	V 000	 OOD 	 000 		
	Contraction of the	000	000	000	000		
<					140		
Done 🙆							🔮 Internet

3.3.3.4 NETWORK

Click NETWORK to enter into setup interface; you can check the parameter settings as in GUI of DVR.

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ack •	• 🖸 · 💽 🖻	🏠 🔎 Search 🤘	Favorites 🥝 👔	3· 🎍 🗷 ·	· 12		
	http://192.168.3.97/					💌 🛃 Go	Links 🥗 🍖 •
LIVE	REPLAY	SETUP					^
CORD	D ALARM	PTZ	NETWORK	SETTING	HOST INFO		
	TYPE	STATIC 👻					
	IP ADDRESS	192.168.3.97	MEDIA PORT	9002			
	NETMASK	255 .255 .255 . 0	WEB PORT	80			
	PPPOE NAME		PASSWORD				
	DNS	255 .255 .255 . 0	GATEWAY	192 . 168 .	3 , 2		
	DDNS	EN *					
	HOST NAME		USER NAME				
	SERVICE	3322 💌	PASSWORD	-			
							×
							2

3.3.3.5 SETTING

Click SETTING to enter into setup interface; you can check the parameter settings as in GUI of DVR.

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LIVE	REPLAY	ETUP				
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	LE SAVE PATH	c:DVR)				
		Contra .				
I.	PASSWORD ENABLE	ON 🖌				
	USER PASSWORD	•••••	RE-ENTER			
	ADMIN PASSWORD		RE-ENTER			
D	ST	ON 👻				
	DST MODE	CUSTOM Y				
	START: AM 2:00	IST WEEK	SUNDAY	JANUARY 👻		
	END: AM 2:00	1ST WEEK	SUNDAY	JANUARY 😽		

BANDWIDTH: Set the amount of bandwidth in kbps (128k□192k□256k□384k□512k□1024k) that you want to allocate for traffic that matches internet,this bandwidth not include audio.

Remark: the normal ADSL network is between 256k and 384k

FILE SAVE PATH: capture picture and recording video save path. **IE PASSWORD:** setup the password when you login IE DST settings you can check as DVR setting.

3.3.3.6 HOST INFO

Click HOST INFO to enter into system information interface (see below picture), this interface shows HDD status, remain record time, firmware version, MAC Address, and all the information is fixed.

Ele Edit View Favorites		
	📓 🟠 🔎 Search 👷 Favorites 🤣 🎯 - 🥁 🔟 - 🛍	
Address http://192.168.3.97	71 💌 🔂 Go	Links
LIVE REPL	AY SETUP	
RECORD ALAF	RM PTZ NETWORK SETTING HOSTINFO	
HDD STATU	JS: Used Disk Space 6G/ 80G	
AVAILABLE	Used Visk Spece	
	ION T121302	
MAC ADDRE	SS 00-13-34-33-44-55	

4 DVR INSTALLATION

4.1 PRODUCT OVERVIEW

1. Product Photo



2. The Definition of Bottons and Connectors on Front Panel



Buttons on Front Panel

	Button	Name	Description		
1	Power	STANDBY	POWER/OFF, boot up DVR or shutdown DVR		
		Navigation	During the setting for GUI, use these bottons for		
			choosing differents items on menu. And also control		
			the direction of PTZ.		
2		ÉNTER	Confirm		
	Control Keys	SETUP	Entre into the setup menu		
			For vision to be Singnal image or QUAD		
		REC	recording		
	Status LED	ALM	Alarming		
		ERR	Error indicator		
3		FULL	LED flashing means HDD is full		
		HDD	HDD status (on means HDD normal)		
		100M	ON means 100M network transmission		
		LINK	ON means network connection is OK		
		POW	POWER		
	Receiver	IR	Receiver for remote control signal		
4	USB	USB2.0	for download and upload data		
5	USB	USB1.1	for mouse connect		

3. The definition of buttons and connectors on frear panel



Connectors on Rear Panel

www.digitalworld.ro Tel. 021-411.06.75, 0722.206.683

Item	Physical connector	Connector description			
1	POWER input	DC 19V/3A			
2	Video output	Two video output for connecting TV or monitor (BNC)			
3	Video input	For connectiong analog video signal input (BNC)			
4	Audio Input	For connecting aidio signal			
	Alarm Input	I/O alarm input, 4 for 4CH DVR and 8 for 8CH DVR			
	Alarm Output	I/O output for alarm			
5	RS485	RS 485 for connecting PTZ			
	RS232	For connecting PC			
	+12V	Power supply for DC relay and the current is 1.0A (make sure short circuit can not happen)			
6	Network	For connecting Ethernet			
7	VGA	For connecting VGA monitor			
8	Audio Output	For connection audio output			
9	Fan	Please check the fan function for diary maintance and change new one if the fan has some problems			

4. Connectors for Alarm

Peel off the color skin of the cable and then insert the cable into the slot on the rear panel DVR (The connection part for alarm).

Alarm inB		
Alarm in7		
Alarm in 6		
Alarm in <u>s</u>		
Alarm in		
Alarm in3		
Alarm in2		
Alarm inl	 -	
GND		
12V/24V output for alarm		
Alarm out		
GND		
R5485A		
R5485B		
R5232TX		
R5232RX	 -	
GED		
12v output		

$5\square$ Alarm Input and Output

There are 8 sets alarm input connector and 1 set output for this DVR. Alarm input is for connection IR annunciator, fog sensor. The connection diagram of DC alarm inout as following:



Connection diagram of AC alarm input as following:



The connection diagram of alarm output as following:



6. System Network Diagram



4.2 HDD INSTALLATION

Please installation the HDD as the following steps:

1 Uninstall the DVR and then you will see one HDD plate as following.



2 Take out the anti-vibration mat and screws from the accessories box



3 Take off the HDD plate and then install the anti-vibration mat on the plate and then screw on it.



4 Install the HDD on HDD plate as the following photo indicate and then screws around.



5 Fix the HDD plate on the DVR device and then cover the DVR and screw.



Remark: Please format the new HDD before record.

5 FAQ

1 Q:After connect power supply, device can't start-up normally

A:

- 1 Power supply is incorrect, "+" and "-" are jumbled.
- 2 The connection between DVR and power is unstable.
- 3 Power supply has broken
- 4 Firmware upgrades error.
- 5 Main board has broken.

2 Q: Device always shutdown automatically or crash.

- A:
- 1 Power supply is unstable or too low.
- 2 HDD or IDE port has broken.
- 3 The power is not enough.
- 4 Video input not stable.
- 5 The connection between main borad and others is unstable.
- 6 Hardware may have something wrong.

3 Q:No video output

 $\mathsf{A}\square$

- 1 Please check the power of video input whether is ok.
- 2 Please make sure the vedio cable connection to DVR is ok.
- 3 Please check the brightenss of video whether is 0, and then try to restore default setting.
- 4 No video signal input or too weak.
- 5 Live view is OFF in DISPLAY menu.
- 6 Hareware has broken.

4□ **Q**: Device is not recording and showing an "H" in live view.

A:

- 1 Make sure you are using DC 19V power adapter for DVR.
- 2 Make sure the HDD has formatted in device.

- 3 The power line or date line may have broken.
- 4 HDD has broken.
- 5 The SATA interface has broken.

5 Q: What is the meaning when show a "R""M""I""H" in live view.

- $\mathsf{A}\square$
- 1 "R" means device is recording now.
- 2 "M" means this channel has triggered motion detect.
- 3 "I" means this channel has triggered I/O alarm.
- 4 "H" means no HDD or HDD is full.

6 Q: Some problems about real time video, such as video color, brightness distortion and so on.

A□

- 1 Please select the correct video type, NSTC or PAL.
- 2 The impedance between DVR and monitor is not match.
- 3 The transmit distance is too long and the signal has much attenuation.
- 4 The setting for color and brightenss is incorrect.

7 Q: No audio output.

 $\mathsf{A}\square$

- 1 Please check the audio input whether is ok.
- 2 Make sure you have opened audio input switch.
- 3 Hardware broken.

8 Q: Live view has audio, but no audio in playback.

A□

- 1 Audio record switch is not open.
- 2 Make sure the mute switch in playback is off.

9 Q: Date/time is incorrect.

A□

1 Didn't prss "MODIFY SYSTEM DATE/TIME" when you changed the date and time.

2 The battery may have something wrong, please replace it.

10 Q: Can't control PTZ.

A□

- 1 The PTZ may have something wrong.
- 2 The setting about decoder, connection, and installation is incorrect.
- 3 The connection is wrong.
- 4 The settings for PTZ in DVR is incorrect
- 5 The protocol between DVR and PTZ is not match.
- 6 When connect a number of encoders,a 120 Ohm resistor is required to offset the reflection and impedance matching, otherwise the PTZ control will be unstable
- 7 Distance is too long.

11 Q: Why can't stop recording by prss "stop recording" in the right key menu of the mouse?

A The "stop recording" is to stop manual recording, can't stop ignition REC and timer REC.

12 Q: A/V storage of each channel.

- A□
 - 1 Audio storage of each channel is about 14Mbyte.
 - 2 Video storage of each channel.

Recording time:60 Minutes

Resolution	Quality	DVD Video input	Camera video input
D1D	Best	454M	426M
□D1 □	Fine	353M	361M
D 1	Normal	246M	238M
□HD1□	Best	472M	466M
□HD1□	Fine	359M	342M
□HD1□	Normal	245M	244M
	Best	354M	337M
	Fine	250M	234M
	Normal	194M	

13 Q: Motion detecting function is not working.

A□

- 1 The MD area didn't setup.
- 2 Sensitivity is too low.

14 Q: Copy record files and USB backup error.

 $\mathsf{A}\square$

- 1 When the file you selected is much larger than the storage of the backup device, which will occur error.
- 2 The buckup device is not compatible with DVR.
- 3 The backup device may have broken.

15 Q: I/O alarm is not working.

A□

- 1 The setting for alarm is incorrect.
- 2 The connection is incorrect.
- 3 I/O PWL input is incorrect.
- 4 One I/O alarm input is in two circuitrys at the same time.

16 Q: The IR control can't control DVR.

 $\mathsf{A}\square$

- 1 The distance between IR control and DVR is too long or the angle is incorrect.
- 2 The battery may have use up, please try abother one.
- 3 The IR control or the front panel of DVR has broken.

17 Q: Can't login IE browser.

A

- Make sure the network is ok, and check the LINK/100M LED whether is ON; try to ping the IP of DVR to check the network.
- 2 Windows XP or Vista and IE 6.0 or IE 7.0 is recommended.
- 3 Please install ActiveX control when you login.
- 4 Make sure your display card drive is ok.

18 Q: The video of IE live view is not clear or no video.

A□

- 1 If you are access to DVR via internet, please select WAN when you login, and select the correct bandwidth for your network in Setup>>System setup>>network.
- 2 Please try to close the window then open again.
- Q: Why there is a box says "Other user is configing" when sutup in IE client?
 A Maybe there is an clinet or user operating GUI, so please make sure the DVR is at live view status and no one is setting in DVR.