

Product Specification

8-Channel H.264 Digital Video Recorder

DVR-872v2

Version1.0

This document contains confidential proprietary information and is property of PLANET. The contents of this document should not be disclosed to unauthorized persons without the written consent of PLANET.

Change History:

Revision	Date	Author	Change List
Version 1.0	2011/7/18	Jonas Yang	Initial release

Author	Jonas Yang	Editor:	Jonas Yang
Reviewed by:	Tom Shih	Approved by:	Tom Shih

1. PRODUCT DESCRIPTION

Regarding to the communication of broadband becomes more and more popular, traditional CCTV surveillance system is gradually upgraded to packet switching TCP/IP network. The DVR-872



supports up to 8 cameras. On the other hand, it is designed to be a professional type of security device. Video data recording, remote surveillance over a secure IP network and Viewing/recording/playback at the same time is key features to a full-time security application.

The DVR-872 provides triplex DVR selection of IP surveillance products to meet more application demands. The Network DVR can be placed either in LAN or WAN connected with easy-to-remember DDNS feature. With the Plug-N-Watch capability of web browser, a network administrator or system operator can seamlessly complete network deployment in a few minutes.

Supports the latest technology - H.264, which can compress the video file to be minimum size. H.264 compress rate is 2 times of MPEG-4 that can increase the recording time in the same HDD size and let the monitor screen have better and smoothly view quality via Internet or local network.

In various surveillance applications via RS-485 interface, the Network DVR is capable to control most types of PTZ protocols. With integrated alarm I/O, it can detect record and ring a siren. The Network DVR can also do motion detection / schedule recording to complete surveillance plans. Besides control by front panel and remote controller, it is also support operate by USB mouse. That will be close to Windows operating to every user.

Securing content stored on hard-disk based on digital video recorder systems and providing conditional access to managing stored content; PLANET Digital Video Recorder series offer a perfect solution for both security professionals and business owners who want the unparalleled flexibility and reliability in IP surveillance field.

2. PRODUCT FEATURES

- Two USB ports (for mouse usage and backup).
- Dual streaming enhances the speed of network transmission
- Built-in VGA up to 1280x1024 resolution
- Individual setup of resolution, frame rate and video quality for each channel
- Still image snapshot
- AVI converter with time stamp
- H.264 compression ideal for saving HDD space
- Real time live display
- Live display, record, backup, playback and network access simultaneously
- Picture-in-picture monitoring and 2X to 8X digital zoom display
- Control Methods: front panel, USB mouse, IR remote controller, client viewer
- Intuitive GUI for easy configuration and menu driven operation
- Pan / Tilt / Zoom camera control
- Data backup: USB devices, network and DVD-RW (optional)
- Event triggered with email notification: motion detection, alarm, video loss
- Supports Internet Explorer with same GUI as DVR site
- Multi-language OSD
- Central Management System (iCMS)
- 3G/ GPRS mobile phone monitorin

3. PRODUCT SPECIFICATIONS

3.1 Main Component

CPU: Hisilicon SOC
RAM: 2GB
Flash: 128MB

3.2 Functional Specifications

Model	DVR-872
CONNECTOR	
Video System	Auto Detect
Video Input	8CH BNC
Video Output	1CH BNC (MAIN / SPOT)
SPOT Output	1CH BNC (MAIN / SPOT)
VGA Output	1280x1024
Audio Input	4CH RCA
Audio Output	2CH RCA
Audio Backup	YES
Sensor	8 input / 1 output
RS-485	Pan / Tilt / Zoom camera
USB Port	2 ports
Mouse	USB mouse
IR Remote Controller	YES
STORAGE	
HDD Support	SATA HDD x2 (Max. 2TB each) or SATA HDD x1 + DVD writer x1
DVD Writer	Optional
OSD	
Display Division	1,4,9
Title	14 characters
RECORDING	
Video Compression	H.264
Audio Compression	ADPCM
Resolution	720x480, 720x240, 360x240 (NTSC) 720x576, 720x288, 360x288 (PAL)
Frame Rate	60, 120, 240 (NTSC) 50, 100, 200 (PAL)
Quality	Highest, High, Normal, Basic, Below Basic
Record Mode	Manual, Schedule, Event(motion detection/sensor)
Pre-Alarm Recording	16MB (around 10 sec)
Post-Alarm Recording	1-60 sec

Motion Detection	22X15 (sensitivity 0~10)
PLAYBACK	
Search Mode	Time, Event
Playback Speed	fast forward/backward 2X/4X/8X/16X/32X/64X slow forward/backward 1/2X, 1/4X, 1/8X play/pause
Backup Mode	USB flash driver / Network / Optional DVD media
NETWORK	
Network Compression	H.264
Network Software	Internet Explorer / CMS / 3G Mobile Phone
Network Users	5
Remote Notification	Email message
Service	TCP/IP, SMTP, DHCP, DDNS, PPPoE
OTHER	
Daylight Saving	YES
Password	5 users including 1 administrator user authority selectable
Event List	10000
Key Lock	YES
Firmware Update	USB device
Dimension	430mm (W) x 70mm (H) x 360mm (D)
Power Source	DC12V
Operating Environment	30 ~ 80% RH, 5°C ~ 40°C (41°F ~ 104°F)

3.3 Physical Specifications

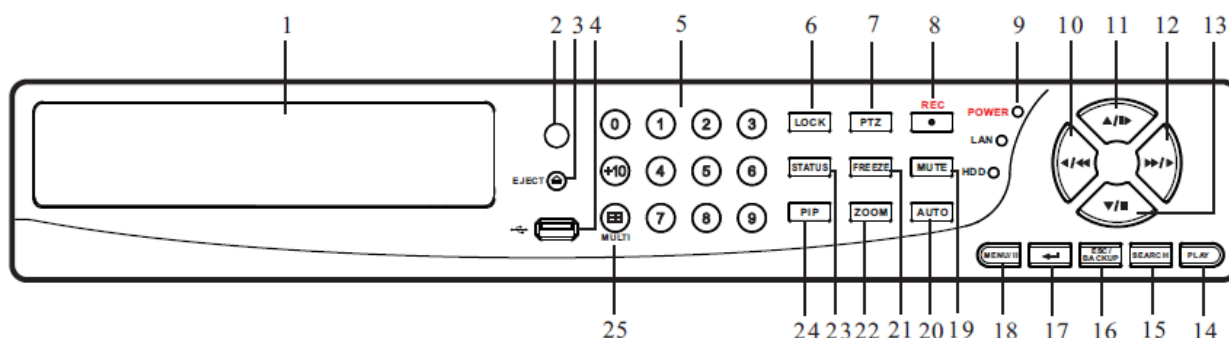
Dimensions

430 x 360 x 70 mm (W x D x H)

Weight

2.83 kg

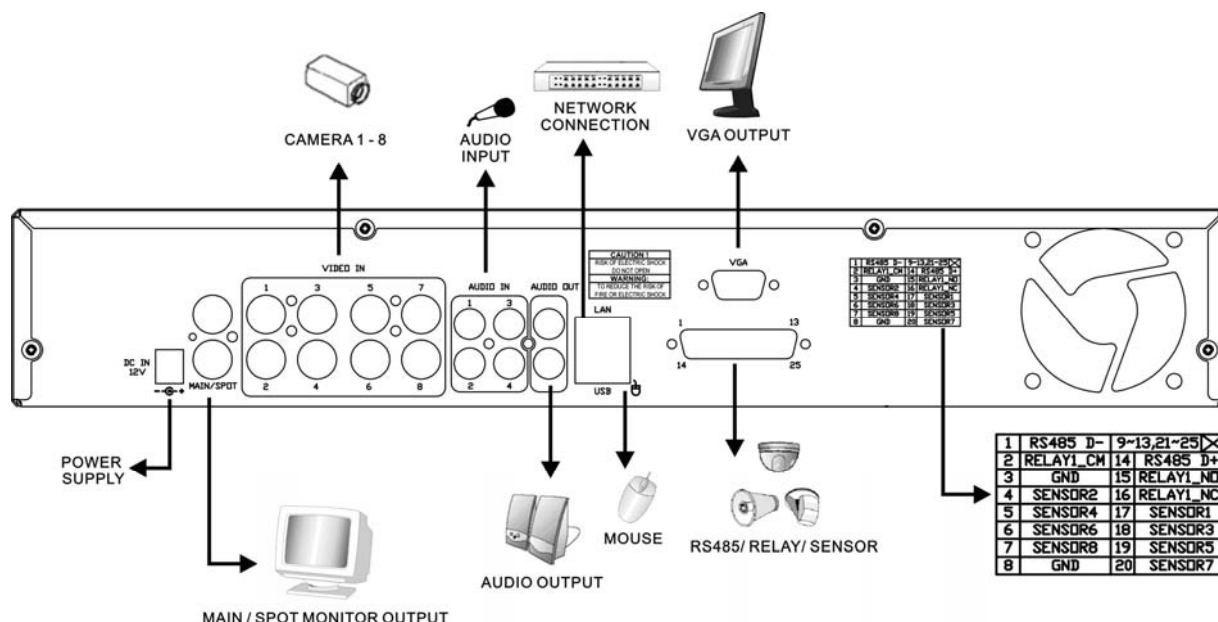
Front panel



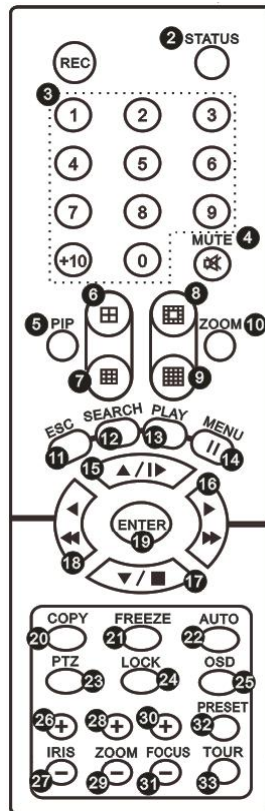
Item		Description
1	DVD-RW Slot	A DVD-RW drive can be installed in the front vacant drive bay. (Optional)
2	IR RECEIVER	Input sensor for the remote control.
3	EJECT	Press EJECT button to open/close the DVD-RW drive.
4	USB 2.0	The USB 2.0 port can be used to connect to numerous USB 2.0 backup devices.
5	NUMERIC BUTTON / CHANNEL SELECT	Camera Select/Numeric Button. Press [+10] button to select channels.
6	LOCK	Enable Keypad Function.
7	PTZ	Start/Stop PTZ Control.
8	REC	Start/Stop recording.
9	STATUS LED	Displays the status of the DVR (standby), HDD read/write and network transmission.
10	LEFT DIRECTIONAL BUTTON/ REWIND	Left Directional Button. Fast Forward Playback, Speed: 2x, 4x, 8x, 16x, 32x and 64x.
11	UP DIRECTIONAL BUTTON/ SLOW	Up Directional Button. Slow Forward Playback, Speed: 1/2x, 1/4x, 1/8x and 1/16x.
12	RIGHT DIRECTIONAL BUTTON/ FAST	Right Directional Button. Fast Forward Playback, Speed: 2x, 4x, 8x, 16x, 32x and 64x.
13	DOWN DIRECTIONAL BUTTON/ STOP	Down Directional Button. Stop Playback.
14	PLAY	Start playing back.
15	SEARCH	Enter search menu screen, use Up/ Down button to navigate. Press ENTER to access selected item.
16	ESC/ BACKUP	Exit various functions and menu screen Video data storage backup.
17	ENTER/ MODE()	Switch to full screen and quad screen.

18	MENU/ PAUSE MENU/	Enter menu mode, use Up/ Down button to navigate menu screen. Press to pause playback.
19	MUTE	Switch to 1-CH Audio Out/ Turn Off Live Audio.
20	AUTO	Enable auto mode, to skip channels. Press MENU to disable auto mode.
21	FREEZE	Turn On/ Off Live Display FREEZE Function. Turn On/ Off Screen FREEZE Function.
22	ZOOM	Enable/ Disable double screen size display. Press ENTER to switch channels.
23	STATUS	Display Status.
24	PIP	Turn on picture-in-picture format, use Up/ Down button to navigate. Press ENTER to access selected item
25	MULTI	This button is used to toggle between multiple display modes: 16, 13, 10, 9 and 4 channel split screen display modes.

Rear panel



Remote Controller



Remote Controller – Button Definition

① REC	Start/ Stop Recording.
② STATUS	Display Status.
③ CAMERA BUTTONS	Camera Select / Numeric Button. Press [+10] button to select channels.
④ MUTE	Switch to 1-CH Audio Out/ Turn Off Live Audio.
⑤ PIP	Enable/ Disable On Picture-In-Picture Format. Use Directional button to navigate the menu item, and press Enter button to enter the menu item.
⑥ 	Switch to Quad Display.
⑦ 	Switch to 9-Channel Display.
⑧ 	Switch to 13-Channel Display.
⑨ 	Switch to 16-Channel Display.
⑩ ZOOM	Enable/ Disable double screen size display. Use Directional button to navigate the screen display, and press Enter button to switch channels.
⑪ ESC	Exit Button.
⑫ SEARCH	Enter the SEARCH menu. Use Up/ Down Directional Button to navigate the menu item, press Enter button to enter menu item.
⑬ PLAY	Start Playing Back.
⑭ MENU/ 	Enable/ Disable Menu. Pause Playback.

⑮ ▲ / ►	Up Directional Button. Slow Forward Playback, Speed: 1/2x, 1/4x, 1/8x, 1/16x.
⑯ ► / ►►	Right Directional Button. Fast Forward Playback, Speed: 2x, 4x, 8x, 16x, 32x, 64x.
⑰ ▼ / ■	Down Directional Button. Stop Playback.
⑱ ◀ / ◀◀	Left Directional Button. Fast Rewind Playback, Speed: 2x, 4x, 8x, 16x, 32x, 64x.
⑲ ENTER/ MODE	Switch to Single Screen/ Quad Screen Display.
⑳ COPY	Enter the COPY menu.
㉑ FREEZE	Turn On/ Off Live Display FREEZE Function. Turn On/ Off Screen FREEZE Function.
㉒ AUTO	In AUTO mode, all available channels will be cycled through in full screen.
㉓ PTZ	Start/ Stop PTZ Control.
㉔ LOCK	Enable Keypad Function.
㉕ OSD	Turn On/ Off the Screen Display.
㉖ IRIS +	PTZ Iris-Open.
㉗ IRIS -	PTZ Iris-Close.
㉘ ZOOM +	PTZ Zoom-In.
㉙ ZOOM -	PTZ Zoom-Out.
㉚ FOCUS +	PTZ Focus-In.
㉛ FOCUS -	PTZ Focus-Out.
㉜ PRESET	Lens PreSet Point Setup Press PRESET button+ 2 numeric numbers to save current lens location PLAY+ Numeric Number to move lens to preset point.
㉝ TOUR	Activate PTZ Preset Tour.

3.4 Environmental Specifications

Operating Temperature: 5 ~ 40 degree C
Operating Humidity: 30 ~ 80% RH

3.5 Electrical Specifications

Input Voltage: 12V DC, 5 A
Power Consumption: 60 W Max.

3.6 Regulatory Compliance

FCC
CE

3.7 Basic Packaging

1 x DVR-872
1 x User's manual CD
1 x Quick installation guide
1 x Remote controller
1 x Screw Kit
1 x Power adapter & Power cord
2 x Battery
2 x SATA cable
4 x HDD Rack
1 x I/O Cable

3.8 Packaging Information

Dimension

525 x 450 x 135mm (W x D x H)

Weight

5.0 kg