16-Ch Hybrid Digital Video Recorder

The existing traditional CCTV surveillance system is gradually upgraded to packet switching TCP/IP network as the broadband communication becomes more and more popular. To efficiently build the surveillance system with the existing analog cameras and IP cameras, PLANET provides the best Hybrid DVR solution, HDVR-1600, which supports both analog cameras and IP cameras, and can act as a pure NVR to obtain the video signal from up to 8 IP cameras.

The HDVR-1600 is a professional security device providing video data recording, remote surveillance over a secured IP network and viewing / recording / playback at the same time in the full-time security application. The HDVR-1600 supports total recording frame rates to 60 fps (NTSC) at H.264 @ D1 format. The users could install the extension card to expand it up to 120 (HDVR-M15) or 480 (HDVR-M30) fps at H.264 @ D1 format. Moreover, the remote software – Central Management Software (CMS) is applied with the HDVR-1600 to offer distant accessibility for remote system control.

The HDVR-1600 also supports USB keyboard and mouse to bring users much easier operation. For various surveillance applications via RS-485 interface, the HDVR-1600 has integrated with the control keyboard feature to provide a convenient control interface. By the control keyboard installed, the surveillance administrator can control not only the HDVR-1600 but most types of PTZ cameras. With integrated alarm I/O, the HDVR-1600 can detect record and ring a siren. It can also do motion detection / schedule recording to complete surveillance plans. Furthermore, the HDVR-1600 supports hardware Watch-Dog function to monitor the DVR status and provides automatic restart function to prevent the system hangs when the system is detected unstable.

Securing the content stored on hard-disk of the digital video recorder systems and providing conditional access to stored content management, PLANET HDVR-1600 Hybrid Digital Video Recorder offers a perfect solution for both security professionals and business owners who require the unparalleled flexibility and reliability in IP surveillance fields.
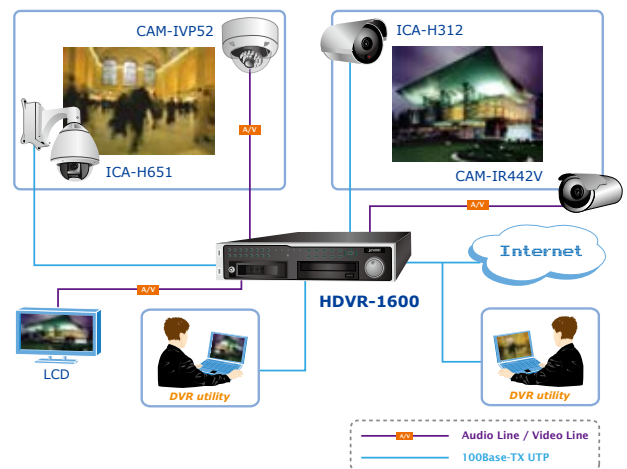
KEY FEATURES

- Multi-Codec for H.264 / MPEG-4 / MJPEG compression
- Mega-Pixel recording
- Multiple video output ports
- Supports up to 4 SATA devices
- POS Function: transaction monitoring
- NTP for time synchronization
- Easy configuration interface with USB Keyboard / Mouse
- Multi-Tasking: Recording, Display, Backup, Playback
- CMS manage up to 512 Channels
- Calendar, Time and Event search
- Supports multiple languages

APPLICATIONS

HDVR-1600 can support analog and IP cameras simultaneously, and translates the traditional CCTV surveillance system into IP surveillance network

Cameras can be connected up to 16 CCTV. The HDVR-1600 can be deployed anywhere indoor or outdoor to monitor the environment both in day and night. With the bundled DVR utility, the manager can easily check and play back the video captured in the system.

SPECIFICATION

Product	16-Ch Hybrid Digital Video Recorder	
Model	HDVR-1600	
General		
Video System	NTSC / PAL Switch Selectable	
Video Compression	H.264 / MPEG-4 / M-JPEG	
Video Input	16 x BNC,1.0Vp-p/75 ohm	
Video Output	Main Monitor: HDMI x 1, VGA x1, S-Video x 1, BNC x 1, 1.0Vp-p/75 oh Call Monitor: BNC x 1, 1.0Vp-p/75 ohm Loop: BNC x 16,1.0Vp-p/75 ohm	
Audio Input	16 x Line-In	
Audio Output	1x RCA	
Alarm I/O	16 x Input 3 x Output	
Ethernet Interface	2 x RJ-45, 10/100/1000 Mbps	
USB Interface	4 x USB 2.0, Support Thumb Drive and DVD+RW	
Storage Interface	4 x SATA for HDD (Supports up to 1TB per HDD) and DVD+RW	
Build-in Storage Device	1 x DVD+RW, 1 x HDD Removable Rack	
Extension Interface	1 x extension slot for HDVR-M15 or HDVR-M30	
Recording Resolution	NTSC: 720x480 PAL: 720x576	
Recording Frame Rate (NTSC/PAL)	HDVR-1600	H.264 @ D1: 60 / 50 fps MPEG-4 / M-JPEG @ D1 : 120 / 100 fps
	HDVR-M15	H.264 @ D1: 120 fps / 100 fps MPEG-4 / M-JPEG @ D1 : 240 / 200 fps
	HDVR-M30	H.264 @ D1: 480 fps / 400 fps[*1]
Recording Quality	8 Levels Presets, Adjustable	
Recording Mode	Schedule, Alarm, Motion Detection	
Display Division	1, 4, 9, 16	
OSD Control	Front panel buttons, IR remote controller, USB mouse / keyboard	
Multi-Language-OSD	English / Japanese / German / French / Italian / Spanish / Portuguese / Dutch / Norwegian / Swedish / Danish / Russian / Slovak / Hungarian / Bulgarian / Turkish / Traditional Chinese/ Simplified Chinese / Finnish / Polish / Greece / Farsi	
Pre-alarm	1~30 sec	
Client Interface	Client software	
Camera PTZ Control	RS-485	
Backup Device	DVD-RW, USB DVD-RW, USB Flash Drive and Network	
Power Source	AC 100~240V, 50-60Hz	
Power Consumption	100W (Manual Select)	
Operating Temperature	0 ~ 40 Degree C	
Dimension (W x D x H)	430 x 413 x 90 mm	

Remark: *1: HDVR-M30 module supports H.264 codec compression only.

ORDERING INFORMATION

HDVR-1600	16-Ch Hybrid Digital Video Recorder

RELATED PRODUCTS

HDVR-M15	15-FPS module for HDVR-1600
HDVR-M30	30-FPS module for HDVR-1600

C-HDVR-1600