

# 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 can support analog cameras and IP cameras simultaneously or obtains the video signal from 8 IP cameras as a pure NVR. The HDVR-1600 is designed as a professional security device supporting 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 USB keyboard and mouse to bring users much easier operation. Moreover, the remote software – Central Management Software (CMS) provides distant accessibility for remote system control.

For various surveillance applications via RS-485 interface, the HDVR-1600 has integrated control keyboard that provides another control interface. Not only control HDVR-1600, but also capability to control most types of PTZ protocols, and even more convenience to control them via to expand the Control Keyboard: With integrated alarm I/O, it can detect record and ring a siren. The HDVR-1600 can also do motion detection / schedule recording to complete surveillance plans. Furthermore, it supports hardware Watch-Dog function to monitor the DVR healthy status and will restart the DVR to prevent the system hangs when the system is detected unstable.

The HDVR-1600 has supports the total recording frame rates to 60 fps (NTSC) at H.264 @ D1 format, and the user could install the extension card to expand it up to 240 / 480 fps at H.264 @ D1 format.

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 field.

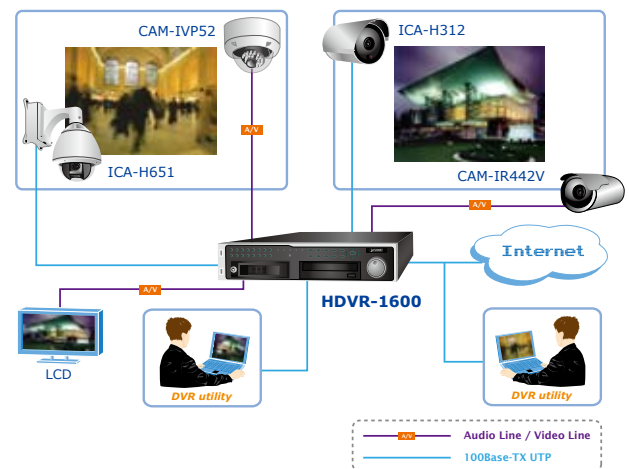
## KEY FEATURES

- Multi-Codec for H.264 / MPEG-4 / M-JPEG 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
- Support 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                 | <b>16-Ch Hybrid Digital Video Recorder</b>   |
| Model                   | <b>HDVR-1600</b>   |
| <b>General</b>          |  |
| 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<br>Call Monitor: BNC x 1, 1.0Vp-p/75 ohm<br>Loop: BNC x 16, 1.0Vp-p/75 ohm   |
| Audio Input             | 16 x Line-In   |
| Audio Output            | 1 x RCA  |
| Alarm I/O               | 16 x Input<br>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   |
| Recording Resolution    | NTSC: 720x480<br>PAL: 720x576  |
| Recording Frame Rate    | H.264 @ D1 : NTSC 60 fps, PAL 50 fps<br>MPEG-4 / M-JPEG @ D1 : NTSC 120 fps, PAL 100 fps<br>All codec @ CIF : NTSC 480fps, PAL 400fps  |
| 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 / Dansk / Russian / Slovak / Hungarian / Bulgarian / Turkish / Traditional Chinese/ Simplified Chinese |
| 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  |

**ORDERING INFORMATION**

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| <b>HDVR-1600</b> | 16-Ch Hybrid Digital Video Recorder |
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