



Solutions

4CIF @ 30FPS Real Time
Recording

Record up to 32 Cameras

Hybrid recording. Analog and
IP cameras together

H.264 Recording

Optional RAID

Small size and big features

HPpbA HP-SD Series Hybrid DVR

Take everything you like about a true Server based PC Video Recorder and keep that. Keep the H.264 Real Time recording. And keep the power of a high performance Hybrid Digital Video Recording system. Add a compact form factor to keep the cost low. Then take the most important features from our true Casino Grade Enterprise Series DVRs, put them into a cost effective chassis and you get the new, improved, and powerful HP-SD.

The other good news is the HP-SD pricing is a great value in the industry. Including most of the important features of the Airship Enterprise VMS system, including using Megapixel IP cameras, on a true HP Server at a very attractive price point.

And we have other systems that can add the reliability of optional redundant OS drives and redundant power supplies so if there is a failure of an OS drive or a Power Supply, the redundant one keeps the DVR recording. It alerts you to the problem and the OS drive or the Power Supply with the problem can be replaced without ever shutting the DVR down. No interruption of recording. Perfect for those critical application environments where you need that extra level of reliability.

We can also address another important issue with DVR's, loss of Recorded Video. We can add optional RAID 5 or RAID 6 to the system which allows for the failure of a Hard Drive without the loss of the important recorded video. The system alerts you to the failure of the Hard Drive, and you replace it when is most appropriate for you, keeping all the Video you have already recorded.

HP-SD Series DVR

The solution best suited to most small to medium-sized environments. Its rack-mount ready and a breeze to install and configure. The HP-SD Series includes our easy-to-use Airship software, with a long list of powerful features including IP Megapixel Camera support, Alarm/Relay/PTZ, Motion Detection, and advanced playback and search. Use the included Airship Client to manage thousands of cameras together, IP or analog all on rock solid HP hardware.

PRECONFIGURED 16-CHANNEL MODELS

HP-SD-1601	1 TB Usable Storage up to...
HP-SD-1606	6 TB Usable Internal Storage

PRECONFIGURED 32-CHANNEL MODELS

HP-SD-3201	1 TB Usable Storage up to...
HP-SD-3206	6 TB Usable Internal Storage

Customized configurations are also available...

TECHNICAL SPECIFICATIONS

GENERAL

All Components are RoHS Compliant	
Power Consumption	320 watts Max 200 watts Nominal
Input Voltage	115 VAC
Heat Output	1025 btu/hr Max
Operating System	Windows 7 Professional Server 2008 optional
Operating Temperature	10° to 35° C (50° to 95° F)
Non-operating Temp.	-30° to 60° C (-40° to 140° F)
Op. Relative Humidity	10% to 90% non-condensing
Non-op. Rel. Humidity	10 to 95% non-condensing
Dimensions H x W x D	5U, 7.87 x 16.81 x 24.13 in
Weight at Max Capacity	31Lb
Chassis	1.2mm sheet metal

DVR SPECIFICS

Video Compression	H.264 hardware compression
Analog Video Inputs (NTSC & PAL)	16 / 32 - 4 CIF, 2CIF, DCIF Real Time
Analog Audio Inputs	16 up to 32 channels
Storage Capacity	1 TB up to 6 TB
VGA Outputs	1 VGA
Alarm Input Terminals	16 w/ optional I/O Module
Relay Output Terminals	16 w/ optional I/O Module
RS-422/485 Terminals	1
Remote Administration	Monitor and configure via TCP/IP and Airship Client
Memory	4GB
CD-ROM	CD-R/W DVD+-R/W dual layer
OS Hard Drive- Separate not partition of data drive	HP 160GB SATA Redundant OS drives optional

RECORDING RESOLUTIONS

Resolution	NTSC, PAL
4CIF	704x480, 704x576
DCIF	528x320, 528x384
2CIF	704x240, 704x288
CIF	352x240, 352x288
QCIF	176x120, 176x144

CONNECTIONS

Camera Inputs	BNC via DB15 adapter
Audio Inputs	BNC via DB15 adapter
Video Monitor	1x DB15
Gigabit Ethernet	1ea RJ-45 std. additional ports are optional
Keyboard & Mouse	USB or PS/2
USB 2.0 Ports	8 Total
Audio Output	1/8" stereo jack
Parallel Ports	1x ECP / EEP
Serial Ports	1x Fast UART 16550

MAXIMUM RECORDING FRAME RATES

Model SD-160X Record Modes Up To:
16 channels at 4CIF @ 30FPS, 480 fps at 4CIF

Model SD-320X Record Modes Up To:
32 channels at 4CIF @ 30FPS, 960fps at 4CIF