

Features

Record up to 32 Cameras +IP
Store up to 4TB of Data

HP Industry Standard Open
Architecture

Hybrid Recording - Analog
and IP camera operability

H.264 Recording- 4CIF @
30FPS Real Time Recording

RAID and Rack Mounting
Options

HP 3 Year Warranty Options
8x5 Next Business Day or
24x7 4 hr On-site



HPpbA HP-SD Series Hybrid DVR

The HPpbA has everything you like about a true Server based PC Video Recorder. Keep the H.264 Real Time recording and the power of a high performance Hybrid Digital Video Recording System. Add a compact form factor with HP's superior engineering design and keep the cost low. This unit has the most important features from our true Casino Grade Enterprise Series DVRs, now on a Hewlett Packard industry standard server. This is the new, improved, and powerful HP-SD. Backed by HP on a 3 year standard warranty. This server delivers many of the important features of the Airship Enterprise VMS system, including Megapixel IP camera support, on a true HP open architecture 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.

This solution is best suited for most small to medium-sized recording environments, up to 32 analog cameras + IP and 4 TB's of storage. It comes rack-mount ready and is 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 hundreds to thousands of cameras together, IP or analog all on rock solid HP award winning servers.

HP-SD Series DVR

PRECONFIGURED 16-CHANNEL MODELS

HP-SD-1601	1 TB Usable Storage up to...
HP-SD-1603	4 TB Usable Internal Storage

PRECONFIGURED 32-CHANNEL MODELS

HP-SD-3201	1 TB Usable Storage up to...
HP-SD-3208	4 TB Usable Internal Storage

Customized configurations are also available...

TECHNICAL SPECIFICATIONS

GENERAL

All Components are RoHS Compliant	
Power Consumption	300 watts
Input Voltage	115 VAC
Heat Output	1025 btu/hr Max
Operating System	Windows XP 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 4 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	2 GB, 4GB optional
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	2ea 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

WARRANTY

HP 3 year Monday-Friday 8-5 Next Business Day On-site
Options are available for 24x7 4 hour On-site and 5 year protection