

## Enterprise NVR Series Servers

### ENTERPRISE CLASS DIGITAL RECORDING SYSTEM

Honeywell's Enterprise NVR (Network Video Recorder) video management system is an industry-leading enterprise class digital video surveillance solution. The Enterprise NVR is built on best-in-class components that provide the flexibility and scalability needed to design a video system suited to a variety of end user applications. Honeywell is a total solution provider offering all the components of a reliable video system such as cameras, encoders, management software, servers, workstations, and video storage units.

The Enterprise NVR Series servers are the backbone of the Enterprise class digital network video recording system. The servers are pre loaded with the latest version of Enterprise NVR software that receives video and audio from IP cameras and or encoders. The server manages the receiving, storing and retransmitting video when it is requested by an NVR client workstation.

The Enterprise NVR Series servers are rack mountable and designed to manage up to 96 channels of digital video for scalability. Powered by Intel technology, the servers are also designed to interface with Honeywell's NVR series RAID which includes SCSI direct connected storage. For high availability the internal hard disks have RAID1 redundancy, and redundant power supplies are also offered. Dual 1GB NIC cards are optimized to separate record and viewing data to ensure 100% recording and smooth playback even with multiple client connections. Enterprise NVR servers leverage industry-leading IT components and are tested to sustain the rigorous demands of a video system.

#### Market Opportunities

The Enterprise NVR Series servers are an integral component of the Enterprise NVR video management system and can be scaled from a single camera to thousands of cameras. The small form factor, high performance, and reliability of the servers make it an ideal solution in installations where digital video is mission critical such as airports, casinos, and other critical infrastructure operations.

#### Features

- Capable of simultaneous record, playback, live view, archive, or transmission of digital video
- Receives and records a minimum of 32 channels of 4CIF at 30/25 FPS
- Clips, events and configurations stored locally to reduce dependency on a central server
- 2U Form Factor with locking front bezel
- Utilizes Intel processor technology
- RAID 1 near-line RAID edition 250 GB internal hard drives (optional removable drives)
- Dual Gigabit Ethernet ports for load balancing separates view data from record data
- Dual channel U320 SCSI or SAS (Serial Attached SCSI) for external storage connectivity
- Windows® XP Professional Operating System
- Single or redundant power supply option



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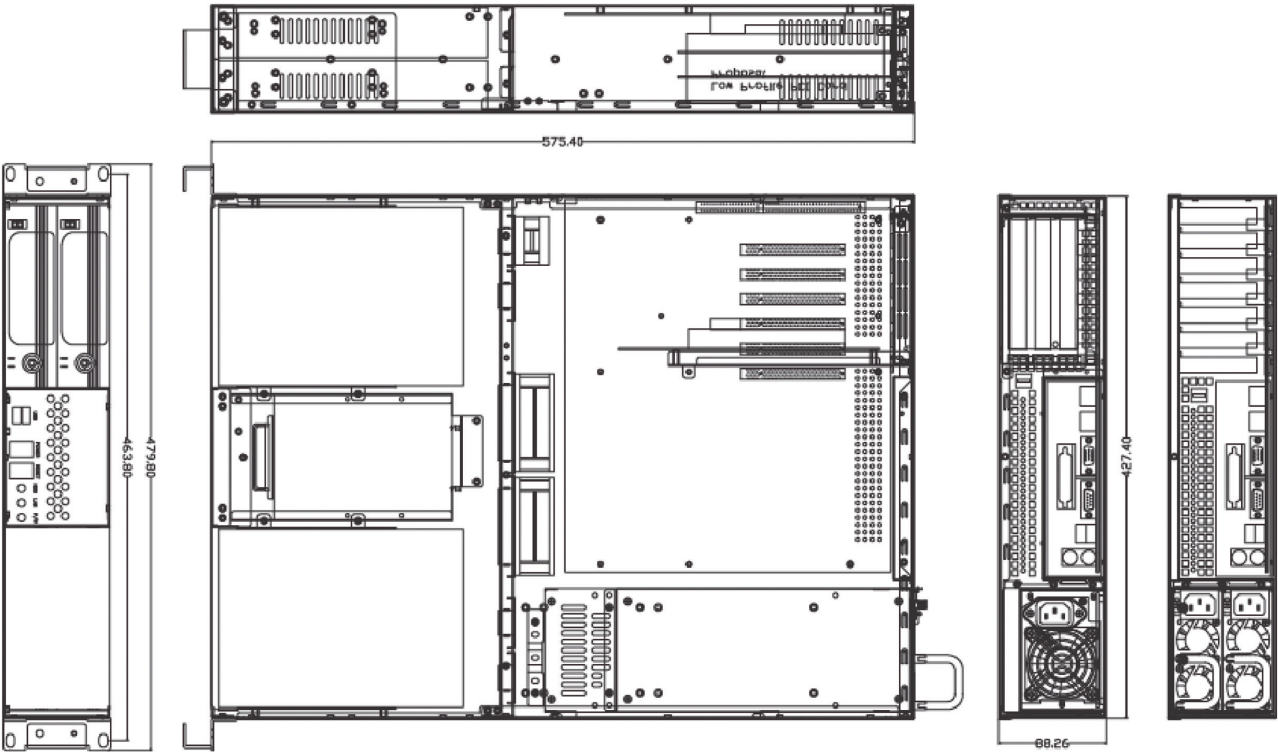
## SPECIFICATIONS

Operational	
Motherboard	Supermicro motherboard, Intel 3200 FSB 1333 MHz, 4 Dimm Slots, SATA RAID, onboard video, dual onboard GIG-E, 1 X8 PCI-E, 1 X4 PCI-E, 2 32-bit PCI
Operating System	Windows XP Professional® SP3 English, OEM, media kit with license
Processor	Intel Core 2 Quad Q8200 2.33 GHz 4 MB L2 cache LGA 775 95W quad-core processor
Memory	Kingston DDR2 667 MHz ECC 2 GB Dimm x 2
Hard Drive	Mirrored pair, Seagate ES2 250 GB 7200 RPM 32 MB cache near-line RAID edition SATA drive
SCSI Adapter	LSI dual channel PCI-E U320 SCSI host bus adapter, includes LP bracket option (Included with SCSI models only)
Optical Drive	Sony 20X DVD-RW black SATA drive, 20X +/-, 8X +RW, 6X -RW, 8X +R DL, 12X -R DL, 2.4X +RW DL, 12X - RAM, with lightscribe
Network Interface	Dual 10/100/1000 Gigabit NIC Onboard
SAS Adapter	LSI SAS 3801E PCI-E 8PORT (2 4-Port external Mini-SAS SFF-8088 Connections) 3G Mini-SAS HBA (Included with SAS models only)
Rack Kit	Rack kit for use with 2 U and 3U Server Chassis
Keyboard	Keytronics 104KEY PS/2 Mouse
Mouse	Keytronics Optical 2-button PS/2 Mouse

Rear Panel Connections	
Mouse	1 x PS/2
Keyboard	1 x PS/2
USB	2 x USB 2.0 Front, 2 x USB 2.0 Rear
Monitor Output	1 x SVGA
Ethernet Port	2 x RJ-45
Serial Port	1 x DB9
Electrical	
Single Power Supply	
Input Voltage	90 to 264 VAC @ 47 to 63 Hz
Power Consumption	460 W (maximum)
Heat Generation	1569 BTU/hr (maximum)
Dual Power Supply	
Input Voltage	105 to 264 VAC @ 47 to 63 Hz
Power Consumption	500 W x 2 (maximum)
Heat Generation	1706 BTU/hr x 2 (maximum)
Mechanical	
Dimensions (W x H x D)	19" x 3.5" x 22.7" (482.6 mm x 88.26 mm x 575.4 mm)
Construction	Heavy-duty cold-rolled steel, front locking bezel
Environmental	
Temperature	Operating: 32°F to ~95°F (0°C to ~35°C)
Relative Humidity	5% to 95%, non-condensing
Warranty	
Warranty and Advanced Replacements	Refer to <a href="http://www.honeywellvideo.com/support/warranty/index.html">http://www.honeywellvideo.com/support/warranty/index.html</a>

## Enterprise NVR Series Servers

### ORDERING AND SYSTEM DIAGRAM



Ordering	
HES4SASP	2U, Single Power Supply, Enterprise Server with SAS Card
HES4SCSP	2U, Single Power Supply, Enterprise Server with SCSI Card
HES4SADP	2U, Dual Power Supply, Removable Drive Trays, Enterprise Server with SAS Card
HES4SCDP	2U, Dual Power Supply, Removable Drive Trays, Enterprise Server with SCSI Card

**NOTE:** Honeywell reserves the right, without notification, to make changes in product design or specifications.

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## **Automation and Control Solutions**

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