

## Enterprise NVR Storage Unit

[www.honeywellvideo.com](http://www.honeywellvideo.com)

### ENTERPRISE STORAGE SERIES

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 storage unit is a solution that provides the processor and RAID enclosure in one chassis, resulting in both space and cost savings. RAID 5 and 6 support is available through a hardware-based RAID controller that removes the loading on the processor that software RAID can bring. A convenient web browser interface is used to manage the RAID controller.

The storage units are pre-loaded with the latest version of Enterprise NVR software that receives video and audio from IP cameras and/or encoders. The storage unit manages the receiving, storing and retransmitting video when it is requested by an NVR client workstation.

The Enterprise NVR storage unit is rack mountable and designed to manage up to 96 channels of digital video for scalability. Powered by Intel® technology, the units feature dual redundant power supplies and mirrored 2.5" operating and application drives for high availability.

Dual 1 GB NICs are optimized to separate record and viewing data to ensure 100% recording and smooth playback even with multiple client connections. The Enterprise NVR storage unit leverages industry-leading IT components and is tested to sustain the rigorous demands of a video system.

### Market Opportunities

The Enterprise NVR storage unit is 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 storage unit makes it an ideal solution in installations where digital video is mission critical.

### Features

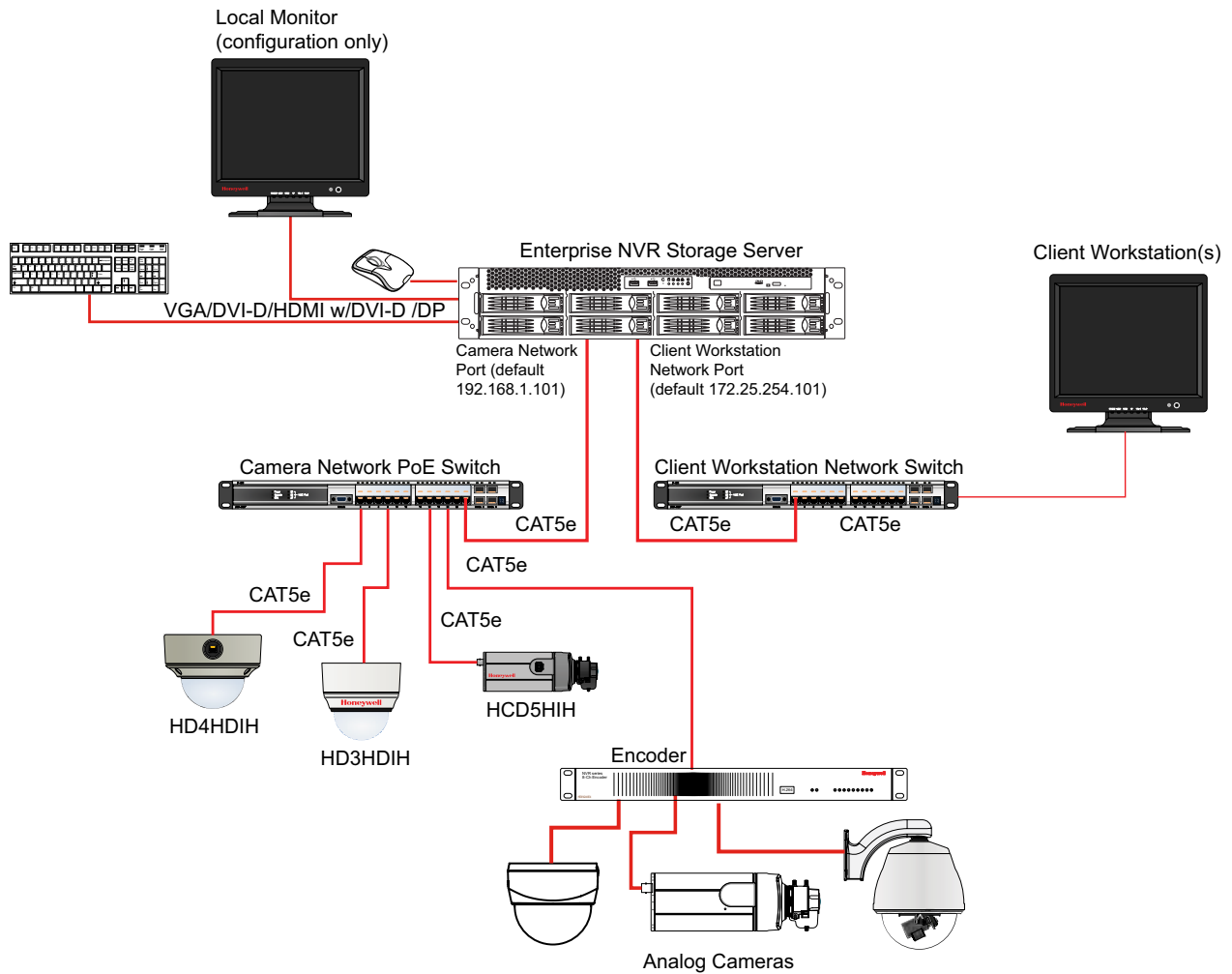
- Capable of simultaneous record, playback, live view, archive, or transmission of digital video
- Receives and records a minimum of 48 channels of 4CIF at 30/25 fps
- 2U form factor with optional locking front bezel. Rack rails included for use with four post racking systems
- Utilizes Intel processor technology
- RAID 1 OS 2.5" drives
- 8 x RAID 5/6 removable storage drives
- Reliable and robust SAS hard drives for video storage
- Redundant power supplies



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### SYSTEM DIAGRAM



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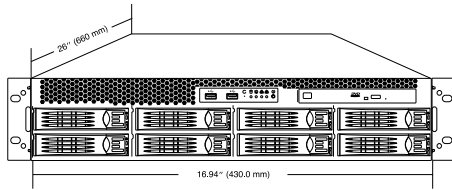
### SPECIFICATIONS

<b>Enterprise NVR Storage Unit</b>	
Processor	Intel® Core™ i7-4770, 3.4 GHz
Memory	8 GB
Power supply	Dual Redundant 850 W
OS hard drive	2x 2.5" 250 GB, RAID1
Operating system	Windows Embedded Standard 7 SP1, 64-bit
Storage capacities	4-32 TB raw storage
Storage hard drive options	8 field upgradable 1 TB or 2 TB or 3 TB or 4 TB SAS hard drive options
Optical	22x DVD-RW
Network	Dual 1 Gigabit Ethernet
RAID card	6 GB/s SAS/SATA RAID Card, PCI Express x8, supports RAID levels up to 6+0
Chassis with optional locking bezel	2U 8 bay incl. rack mount kit
<b>Rear Panel Connections</b>	
Mouse and keyboard	2x USB
USB	2x Front, 4x Back
Network	2x RJ45
Monitor output	HDMI cw DVI-D to HDMI adapter or VGA or DVI-D or Display port
<b>Electrical</b>	
Input voltage	110/220 VAC 50/60 Hz
Operating voltage	110V/220V Auto Sensing
Power consumption	820W 1+1 Dual Redundant
<b>Mechanical</b>	
Construction finish	Chassis: Black matte paint
Dimensions (W x H x D)	16.9" x 3.5" x 26" (430 mm x 88.8 mm x 660 mm)
Weight	Shipping: 65 lbs / 29.5kg
<b>Environmental</b>	
Temperature operating	32°F to 95°F (0° to 35°C)
Relative humidity	5-95% non-condensing
<b>Regulatory</b>	
Emissions	FCC part 15B Class A
Safety	ANSI / UL 60950-1;CAN/CSAC22.2 No 60950-1
Country of Origin	Assembled in the USA
<b>Warranty</b>	
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>

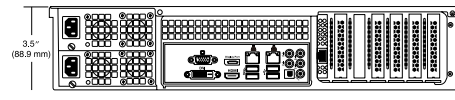
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## SYSTEM DIMENSIONS AND ORDERING



Front View

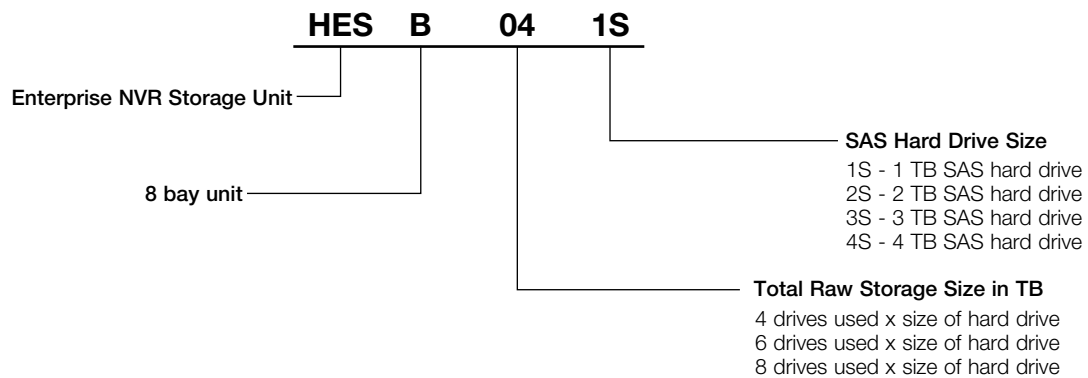


Rear View

Ordering		
Part #	Description	Usable Storage
HESB041S	Enterprise NVR Storage Unit, 4X1T SAS, 8D	1.819 TB RAID 6, 2.728 TB @ RAID 5
HESB061S	Enterprise NVR Storage Unit, 6X1T SAS, 8D	3.638 TB RAID 6, 4.547 TB @ RAID 5
HESB081S	Enterprise NVR Storage Unit, 8X1T SAS, 8D	5.457 TB RAID 6, 6.366 TB @ RAID 5
HESB082S	Enterprise NVR Storage Unit, 4X2T SAS, 8D	3.368 TB RAID 6, 5.457 TB @ RAID 5
HESB122S	Enterprise NVR Storage Unit, 6X2T SAS, 8D	7.276 TB RAID 6, 9.095 TB @ RAID 5
HESB162S	Enterprise NVR Storage Unit, 8X2T SAS, 8D	10.915 TB RAID 6, 12.734 TB @ RAID 5
HESB123S	Enterprise NVR Storage Unit, 4X3T SAS, 8D	5.456 TB RAID 6, 8.185 TB @ RAID 5
HESB183S	Enterprise NVR Storage Unit, 6X3T SAS, 8D	10.913 TB RAID 6, 13.642 TB @ RAID 5
HESB243S	Enterprise NVR Storage Unit, 8X3T SAS, 8D	16.370 TB RAID 6, 19.099 TB @ RAID 5
HESB164S	Enterprise NVR Storage Unit, 4X4 TB SAS, 8D	7.276 TB RAID 6, 10.914 TB @ RAID 5
HESB244S	Enterprise NVR Storage Unit, 6X4 TB SAS, 8D	14.552 TB RAID 6, 18.189 TB @ RAID 5
HESB324S	Enterprise NVR Storage Unit, 8X4 TB SAS, 8D	21.828 TB RAID 6, 25.466 TB @ RAID 5
Accessories		
HESBHD1S	1 TB SAS Upgrade Kit, Enterprise NVR Storage Rev B Server	
HESBHD2S	2 TB SAS Upgrade Kit, Enterprise NVR Storage Rev B Server	
HESBHD3S	3 TB SAS Upgrade Kit, Enterprise NVR Storage Rev B Server	
HESBHD4S	4 TB SAS Upgrade Kit, Enterprise NVR Storage Rev B Server	
HESBBZL	Front Locking Bezel, Enterprise NVR Storage Unit, Rev B Server	

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

### Enterprise NVR Storage Unit - Part Number Lookup



**Automation and Control Solutions**  
 Honeywell Security Products Americas  
 2700 Blankenbaker Pkwy, Suite 150  
 Louisville, KY 40299  
 1.800.323.4576  
 www.honeywell.com

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