

Enterprise NVR Series RAID Storage

www.honeywellvideo.com

HIGH AVAILABILITY DISK-BASED VIDEO STORAGE SOLUTION

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

Enterprise NVR Series RAID storage appliances are an integral component of a successful digital video system. The overall video system is only as good as the performance of each of its components. The Honeywell storage solution leverages all the expertise of the IT industry including SCSI, fiber channel, RAID, and SATA hard drive technology.

The RAID storage series is offered in a variety of configurations including 4, 12, 16 and 24 bays with hard drive options of 250 GB, 500 GB, 750 GB and 1 TB. This flexibility can provide a RAID storage appliance with as little as 2 TB of capacity up to an incredible 24 TB of capacity in a single device. Honeywell tests the Enterprise NVR RAID extensively to ensure a smooth installation and minimal maintenance requirements. To further ensure uptime, the units include redundant cooling fans, power supplies, and device monitoring.

Market Opportunities

The Enterprise NVR Series RAID storage offers a cost effective balance of video storage capacity and satisfies the stringent data availability requirements for an enterprise class digital video system. This RAID solution applies to a variety of applications and features the raw capacity to store video data from a large number of cameras or storing video for up to 60 days. The Enterprise NVR Series RAID storage helps ensure that video is available when it is most needed.

Features

- Up to RAID5 for the 4, 12, 16 bays; up to RAID6 for the 24 bay
- Self monitoring voltage and temperature
- 1 Hot Spare Drive Option for RAID5; 2 Hot Spare Drive Options for RAID6
- Ethernet port for management
- Drive Hot Swapping
- Ultra320 SCSI data transfer speed or 2 GB fiber channel
- Automatic background rebuild of RAID after maintenance
- Programming SCSI and fiber channel ports looping of connections
- LCD keypad on a foldable forearm handle for status inquiries
- Redundant and modular power supplies and cooling fans



4 Bay



8 Bay



12 Bay



16 Bay



24 Bay

Enterprise NVR Series RAID Storage

www.honeywellvideo.com

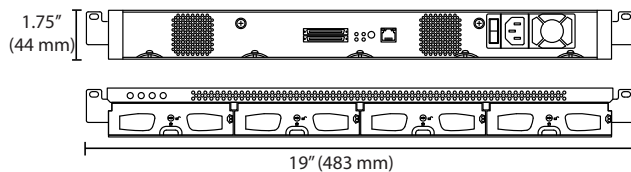
SPECIFICATIONS

Bays	RU	Power Supplies	Fans	Dimensions (W x H x D)	Weight * including drives	Power Consumption	Heat Generated at Maximum Wattage
4	1	1 (350 W)	1	19" x 1.75" x 20.5" (483 mm x 44 mm x 520 mm)	19.4 lb (8.8 kg)	200 W	683 BTU/hr
8	2	2 (350 W)	2	19" x 3.5" x 20.5" (483 mm x 89 mm x 520 mm)	47.4 lb (21.5 kg)	350 W	1197 BTU/hr
12	2	2 (350 W)	3	19" x 3.5" x 20.5" (483 mm x 89 mm x 520 mm)	49.6 lb (22.5 kg)	350 W	1197 BTU/hr
16	3	2 (460 W)	2	19" x 5.2" x 20.5" (483 mm x 133 mm x 520 mm)	60.8 lb (27.6 kg)	460 W	1573 BTU/hr
24	4	3 (405 W)	2	19" x 7.0" x 20.5" (483 mm x 178 mm x 520 mm)	74.7 lb (33.9 kg)	610 W	2070 BTU/hr

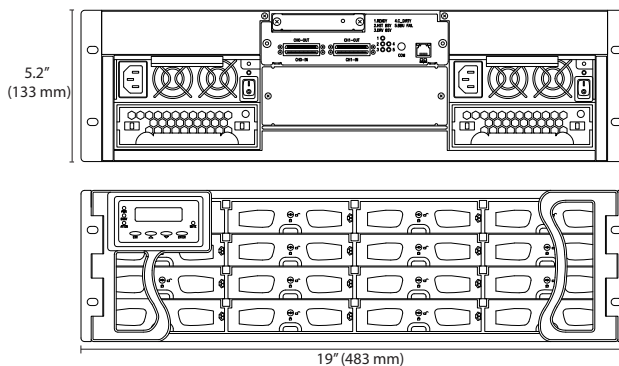
Operational	
Interconnect	SCSI: 4 LVD SCSI, CH0 in and out, CH1 in and out
Ethernet Port	1 RJ-45
Serial Port	1 RS232C (audio jack)
Electrical	
Input Voltage	100 ~ 240 VAC with PFC (auto switching) Freq 47 4.6 A/1.9 A, 47 Hz / 63 Hz

Mechanical	
Construction	Housing: Steel Finish: Brushed Steel
Environmental	
Temperature	Operating: 32°F to 104°F (0°C to 40°C) Storage: -4°F to 144°F (-20°C to 60°C)
Relative Humidity	5% to 95%, non-condensing

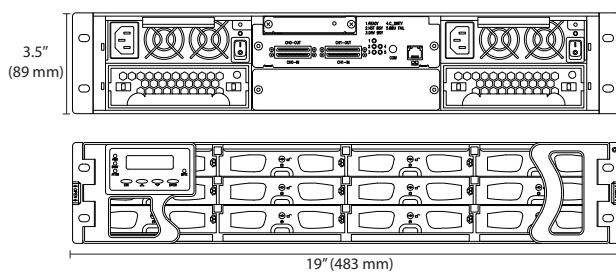
4 Bay



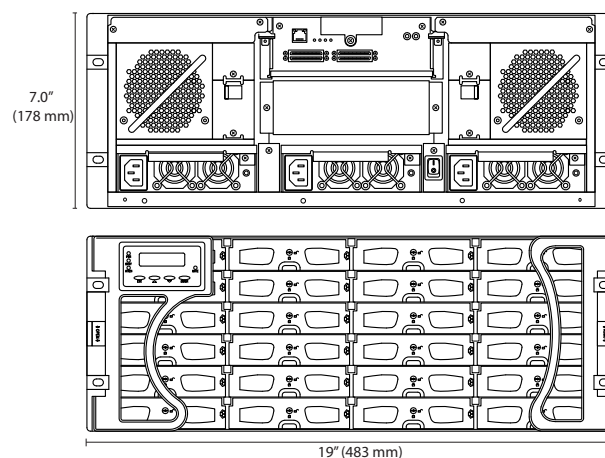
16 Bay



8/12 Bay



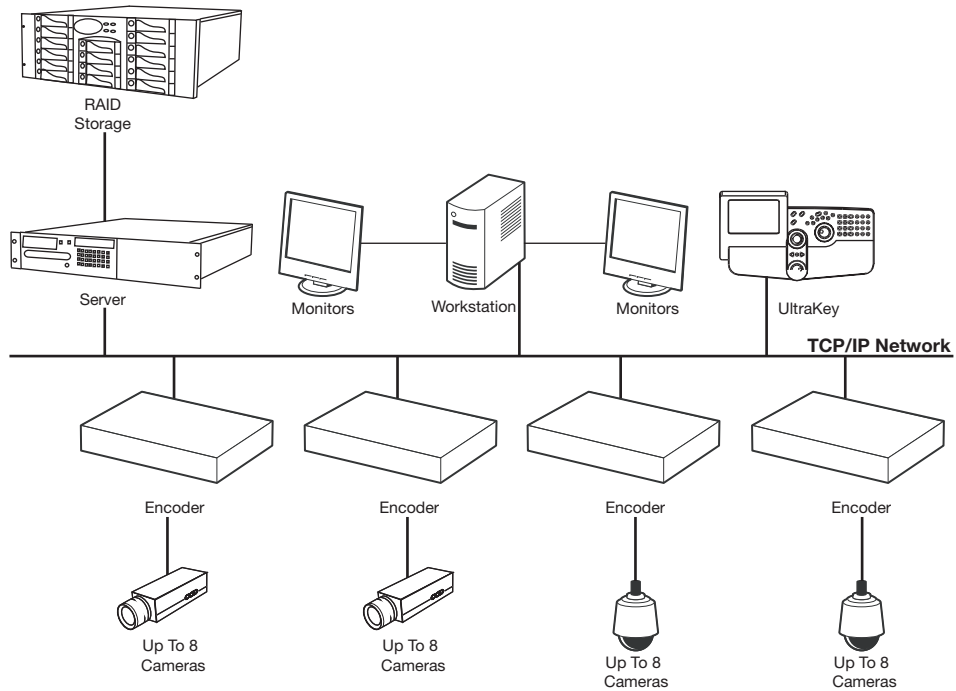
24 Bay



Enterprise NVR Series RAID Storage

ORDERING AND SYSTEM DIAGRAM

Enterprise NVR RAID storage is an integral piece of an Enterprise NVR Series solution. Please visit www.honeywellvideo.com for documentation on Enterprise NVR Series components such as software, workstations, and servers.



Enterprise NVR Series RAID Storage

www.honeywellvideo.com

ORDERING AND SYSTEM DIAGRAM

Ordering	
HE510RA4	4 HDD Bay, SCSI 266 MHz RAID5 Array, 4 250 GB Hard Drives (697.9 MB @ RAID5), 1RU
HE520RA	8 HDD Bay, SCSI 266 MHz RAID5 Array, 8 250 GB Hard Drives (1.59 TB @ RAID5), 2RU
HE530RA	12 HDD Bay, SCSI 266 MHz RAID5 Array, 12 250 GB Hard Drives (2.50 TB @ RAID5), 2RU
HE540RA	16 HDD Bay, SCSI 266 MHz RAID5 Array, 16 250 GB Hard Drives (3.42 TB @ RAID5), 3RU
HE596RA24	24 HDD Bay, SCSI 266 MHz RAID5 Array, 24 250 GB Hard Drives
HE520RA4	4 HDD Bay, SCSI 266 MHz RAID5 Array, 4 500 GB Hard Drives (1.4 TB @ RAID5), 1RU
HE540RA8	8 HDD Bay, SCSI 266 MHz RAID5 Array, 8 500 GB Hard Drives (3.18 TB @ RAID5), 2RU
HE560RA12	12 HDD Bay, SCSI 266 MHz RAID5 Array, 12 500 GB Hard Drives (5.00 TB @ RAID5), 2RU
HE580RA16	16 HDD Bay, SCSI 266 MHz RAID5 Array, 16 500 GB Hard Drives (6.81 TB @ RAID5), 3RU
HE5120RA24	24 HDD Bay, SCSI 266 MHz RAID5 Array, 24 500 GB Hard Drives
HE530RA4	4 HDD Bay, SCSI 266 MHz RAID5 Array, 4 750 GB Hard Drives (2.05 TB @ RAID5), 1RU
HE560RA8	8 HDD Bay, SCSI 266 MHz RAID5 Array, 8 750 GB Hard Drives (4.77 TB @ RAID5), 2RU
HE590RA12	12 HDD Bay, SCSI 266 MHz RAID5 Array, 12 750 GB Hard Drives (7.50 TB @ RAID5), 2RU
HE5120RA16	16 HDD Bay, SCSI 266 MHz RAID5 Array, 16 500 GB Hard Drives (10.23 TB @ RAID5), 3RU
HE5180RA24	24 HDD Bay, SCSI 266 MHz RAID5 Array, 24 750 GB Hard Drives
HE540RA4	4 HDD Bay, SCSI 266 MHz RAID5 Array, 4 1 TB Hard Drives (2.73 TB @ RAID5), 1RU
HE580RA8	8 HDD Bay, SCSI 266 MHz RAID5 Array, 8 1 TB Hard Drives (6.37 TB @ RAID5), 2RU
HE512RA12	12 HDD Bay, SCSI 266 MHz RAID5 Array, 12 1 TB Hard Drives (10.0 TB @ RAID5), 2RU
HE5160RA16	16 HDD Bay, SCSI 266 MHz RAID5 Array, 16 1TB Hard Drives (13.6 TB @ RAID5), 3RU
HE5240RA24	24 HDD Bay, SCSI 266 MHz RAID5 Array, 24 1 TB Hard Drives
Accessories	
HEHD250E	250 GB SATA II HDD compatible HDD, no tray
HEHD320E	320 GB SATA II HDD compatible HDD, no tray
HEHD400E	400 GB SATA II HDD compatible HDD, no tray
HEHD500E	500 GB SATA II HDD compatible HDD, no tray
HEHD1000E	1 TB SATA II HDD compatible HDD, no tray
HEHDTRAY	Spare hard drive tray for RAID chassis
HERA-RAIL-KIT	Spare 19 inch rack mounting kit for RAID chassis
HE8CHAS-266	Spare 8 bay 2U RAID chassis, 266 MHz model
HE8CNTRL-266	Spare 8 bay RAID controller, 266 MHz model
HE8/12PRSP-266	Spare 8/12 bay RAID 350 W power supply, 266 MHz model
HE8/12FAN-266	Spare 8/12 bay RAID fan assembly, 266 MHz model
HE12CHAS-266	Spare 12 bay RAID Chassis 2U, 266 MHz model
HE12CNTRL-266	Spare 12 bay RAID Controller, 266 MHz model
HE16CHAS-266	Spare 16 bay RAID Chassis 3U, 266 MHz model
HE16CNTRL-266	Spare 16 bay RAID Controller, 266 MHz model
HE16PRSP-266	Spare 16 bay 460 W Power Supply, 266 MHz model
HE16FAN-266	Spare 16 bay Fan Assembly, 266 MHz model
HE24PSRA-266	Spare power supply for 24 bay RAID chassis, 266 MHz SCSI model
HE24FANRA-266	Spare fan for 24 bay RAID chassis, 266 MHz SCSI model
HE24CONRA-266	Spare 24 bay RAID controller, 266 MHz SCSI model

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

Honeywell Security & Data Collection

Honeywell
2700 Blankenbaker Pkwy, Suite 150
Louisville, KY 40299
1.800.796.CCTV (2288)
www.honeywell.com

L/RAID/D
January 2009
© 2009 Honeywell International Inc.