

Storage Solutions Designed for Surveillance

PROMISE Vess™ A4000 NVR Storage Appliances



Features

Optimized for Surveillance

NVR storage appliance optimized for IP video surveillance.

Extensive VMS Support

Certified/tested with the world's leading video management software.

Midsize to Large-Scale Solutions

Ideal for up to over a hundred full-HD IP cameras making it perfect for banking, retail, gaming, manufacturing, and many more industries.

Cost Effective & Scalable

Integrated solution results in less management overhead, plus it's easy & affordable to add capacity with the Vess R2000 external storage series.

Easy to Administer & Maintain

Hot swappable drive bays, redundant power supplies, & One Plug Auto Service ensure Vess is incredibly easy to administer & maintain.



Engineered for Video Surveillance

The Vess A4000 Series NVR storage appliance is engineered specifically to be the best solution for midsize to large-scale IP video surveillance deployments. Featuring failsafe protection that provides continuous recording without dropping frames under live playback conditions, it is ideal for 32 to over a hundred full-HD IP cameras, making it perfect for banking, retail, gaming, manufacturing, and many more industries.

Reduces Deployment Costs and Complexity

The Vess A4000 Series reduces support and equipment costs because there is no separate RAID storage unit to manage, eliminating the need for a server, controller cards, external cables, and a separate storage enclosure. Additionally, the Vess A4000 Series reduces interoperability conflicts caused when integrating different hardware.

Integrated Solution - Easier to Manage & Grow

The Vess A4000 Series integrates the recorder and storage in a single solution making it significantly easier to scale as your business grows. Security practitioners can easily scale with no user configuration, just plug and add. When external storage is a must, easily scale up with PROMISE's Vess storage series, creating a total video surveillance solution that combines a recording appliance and external storage.

Surveillance Solution Planner

The Vess A4000 supports the new PROMISE Surveillance Solution Planner, a tool that helps determine the overall installation requirements of a given video surveillance project and makes it easier to build solutions designed specifically for the security requirements of each installation. The planner will calculate the total storage space and bandwidth needed, in addition to the requirements for recording servers and external storage, while also including a topology of the installation for reference.

Try it now at: www.promise.com/solution/Surveillanceplanner

Technical Specifications



Model	Vess A4600	Vess A4800
General Information		
Form Factor	3U, 19" rackmount	4U, 19" rackmount
# of Drive	16 Drives (3.5")	24 Drives (3.5")
Drive Support	SATA (6Gb/s or 3Gb/s), NCQ, TCQ	
# of Controller	Single	
Network Interface	2x Gigabit Ethernet RJ-45 ports (1000Base-T)	
System Processor	Intel® Core™ i3 Dual-core 4-thread	
System Memory	4GB Standard (max. 32GB)	
Internal Built-in Storage	64GB (128GB option) DOM	
Max. # of HDDs Supported	Up to 80 drives through multiple 3U JBOD expansion enclosures	Up to 96 drives through multiple 4U JBOD expansion enclosures
Other Interfaces		
# of USB Ports	2x USB front, 6x USB rear	
PCI Express Ports	2x Gen 3.0 PCIe, 1x Gen 2.0 PCIe	
Graphics	1x VGA D-sub, 1x DVI, 1x HDMI, 1x Display Port	
Serial Interfaces	1 (Internal COM port)	
Audio & Microphone	3x 3.5mm Audio Jack	
RAID Operational Feature		
RAID Levels	0, 1, 1E, 5, 6, 10 (0+1), 50, 60 Any combination of these RAID levels can exist at the same time	
Hot Spares	Multiple global or dedicated hot-spare drives with revertible option	
Max. LUNs per System/Array	256/32	
Software		
Supported OS (64-bit)	Windows Storage Server 2012R2 Standard	
Management Tools	Graphical UI/SNMP via Ethernet, CLI, Graphics SDK, API for Integration	
Event Notification	Email, SNMP, Buzzer	
System Information		
AC Input	100 ~ 240 VAC, 60 ~ 50Hz	
Current (Maximum)	4A (100V); 2A (240V)	
Power Supply	Three redundant 250W Energy-efficient 80PLUS Certified 90-264V full-ranging w/PFC Hot swappable N+1 Design	
Fan	PWM non-swappable	
Temperature	5° ~ 35°C (-40° ~ 60°C non-operational)	
Relative Humidity	10% to 80% non-condensing	
Dimensions (H x W x D)	131 x 447 x 630 mm (5.1 x 17.6 x 24.8 in)	174 x 447 x 630 mm (6.9 x 17.6 x 24.8 in)
Safety/EMI	CE	
Base Configuration	Vess A4600B Base Unit w/ Drive Carrier Power Cords Quick Start Guide, Set of Screws	Vess A4800B Base Unit w/ Drive Carrier Power Cords Quick Start Guide, Set of Screws
Warranty and Support		
Warranty	3 years limited warranty	
Optional Accessories	Sliding Rail, Front Panel with Keys, 4/8GB DDR3 Memory	

*Specifications may change without prior notice

Contact us



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