PROMISE TECHNOLOGY

Vess

Storage Solutions Designed for Surveillance

PROMISE Vess™ A6000

Features

Optimized for Surveillance

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 more than a hundred full-HD IP cameras, perfect for banking, retail, gaming, manufacturing, and more.

Cost Effective & Scalable

Integrated solution results in less management overhead; it's easy andeconomical to expand storage capacity using the Promise JBOD external storage series.

Easy to Administer & Maintain

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

SMART BOOST
The hidden force.

More Flexible Deployment with Linux OS Supported

For those who prefers Linux OS than Windows to build up their surveillance system, Promise Vess A series support the multiple Linux distributions on different Vess A models to meet the various requirement to deploy the Linux-base VMS in their surveillance back-end system(*). This helps the Linux users have more options for their surveillance system deployment to enjoy the benefit of Linux OS.

Optimized for Video Surveillance

The Vess A6000 Series storage appliance is specially engineered for IP video surveillance deployment on medium to large scale; ideally suited for surveillance systems in banks, malls, casinos, factories, warehouses, commercial, residential, governmental or private enterprises. The subsystems are capable of continuous recording and playback operation without dropping frames.

Higher Capacity with Better Design

Two options for large HDD capacity enclosures are available: a 3U 16-drive (Vess A6600) and 4U 24-drive (Vess A6800). Combined with Promise Technology knowhow creates an outstanding combination of performance and reliability for Midsize to Large-Scale surveillance deployments. For larger storage system requirements, the system is cost effect using the Promise JBOD products to extend capacity without the added expense of an additional RAID server.

Reduces Deployment Costs and Complexity

Support and equipment costs are reduced; without a separate RAID storage unit to manage, there is no longer a need for a server, controller cards, external cables, and a separate storage enclosure. Additionally, the Vess A6000 Series reduces interoperability conflicts caused when integrating different hardware.

SMARTBOOST™ Technology

PROMISE proprietary SMARTBOOST™ Technology provides the most stable and high performance storage solution for your surveillance system. Performance that can be limited by storage equipment bottlenecks is significantly improved by Promise SMARTBOOST™ Technology. With the optimized software features and FRU hardware design, you have the best stability and storage performance with the best C/P ratio.

Reduce the complexity of Maintenance by OPAS

One Plug Auto Service (OPAS), a feature unique to Promise's video surveillance solutions, offering user convenience, reduced complexity, lower maintenance cost and streamlined technical support. OPAS enables users to easily collect all the necessary logs and data used by the Promise support team to analyze.

*The supported Linux distributions is listed on the datasheet and please contact your channel partners if you need others.

Technical Specifications

Model	Vess A6600	Vess A6800
General Information		
Camera Range[1]	150	200
Form Factor	3U, 19" Rackmount	4U, 19" Rackmount
Number Of Drives	16 Drives (3.5")	24 Drives (3.5")
Drive Type	12Gbs SAS/ 6Gbs SATA @ 3.5", SSD capable @2.5"[2], Hot Swappable	
# of Controllers	Single	
System Processor	Intel Xeon E3-1275v5	Intel® Core™ i7-7700
System Memory	8GB x 2 Default (Max 64GB)	
I/O Interface	2x Gigabit Ethernet	
Internal Storage (M.2)	128GB	
Storage Expansion	Optional Promise SAS and iSCSI Storage	
Max # of HDDs Supported	Up to 96 drives through SAS JBOD expansion(iSCSI optional)	Up to 104 drives through SAS JBOD expansion(iSCSI optional)
Other Interfaces		
# of USB Ports	4x USB 3.0, 2x USB 2.0	
PCI Express Ports	1x8-lane gen3	
Graphics	D-sub x 1, DVI x 1, HDMI x 1	
Microphone	5x 3.5 mm + 1xSPDIF Audio Jack	
RAID Operational Feature		
RAID Levels	0, 1, 1E, 3, 5, 6, 10 (0+1), 30, 50, 60. Any combination 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		
OS Supported (64-bit)	Windows 10, WS 2016, Cent OS 7.6	
Management Tools	Graphical UI/SNMP via Ethernet, CLI via Ethernet or Graphics, OPAS Service via USB, SDK or API for Integration	
Appliance Mode	Surveillance Optimization @ Arrays in Normal and Degrade	
Event Notification	Email, SNMP, Buzzer, LEDs	
System Information		
AC Input	100 ~ 240 VAC, 60 ~ 50Hz	
Current (Maximum)	8-4A	
Power Supply	Redundant 550W for each power, Hot swappable N+1 Design (80 PLUS certified)	
Controller	Replaceable FRU design	
Temperature	5° ~ 40℃ (-40° ~ 60℃ non-operational)	
Dimensions (H x W x D)	131 x 503 x 447 mm (5.1 x 19.8 x 17.6 in)	173 x 503 x 447 mm (6.8 x 19.8 x 17.6 in)
Weight	System W/O HDD: 16.11kg System W/ HDD: 26.84kg	System W/O HDD: 19.26 kg System W/ HDD: 35.36 kg
Safety/EMI	CE, FCC, VCCI, RCM, BSMI, KC, (EMI Class A), CB[3], cTUVus[4]	
Warranty and Support		
Warranty	3 year limited warranty[5]	
Optional Accessories	Sliding Rail, 8/16 GB DDR4 Memory	

[1] The ideal camera range were the test output with fully populated enclosure and 16GB memory under 1080P/30FPS/5Mbps/H264/Pure Recording/Motion Detection disabled/Normal RAID Status.

[2] For 2.5" SSD/HDD it will need to use different optional carriers.

[3] CB Report is tested according to IEC/EN 60950-1 and IEC/EN 62368-1.

[4] cTUVus label marking is tested according to UL 62368-1 and CAN/CSA-C22.2 NO. 62368-1.

[5] Available to purchase the extra 2 years warranty to total 5 years warranty.

*The final spec may be vary without further notice, please check with Promise website for the latest information

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