



Vess A8600/8800

Data Sheet



Highlights

- ▶ **Intelligent Video Analytics (IVA)**
Capabilities to enhance real-time monitoring applications
- ▶ **High Performance GPU Card**
Options available for IVA or other processing-intensive applications
- ▶ **Expansion-Ready**
iSCSI connection to PROMISE Vess R/J storage hardware systems for massive storage capacity potential
- ▶ **Intel Xeon Scalable CPU**
Including dual CPU option to seamlessly scale to support immediate responsiveness and diverse performance requirements
- ▶ **Management**
Easy-to-use WebPam management interface reduces administration time
- ▶ **PROMISE SmartBoost™**
For robust, error free performance in video recording applications
- ▶ **PROMISE GreenBoost™**
For minimized power consumption, noise reduction and optimal thermal environment.

Performance and Capacity

The Vess A8600 and A8800 combines performance and scalable on premise storage capacity ideal for video surveillance and data-intensive workloads of large enterprises.

Vess A8600 and A8800 are specially engineered for video recording and Intelligent Video Analytics (IVA) applications. Hardware options include PCI slots suitable for an additional Intel Xeon CPU (dual CPU option); or a GPU card can be used for video analytics or other processor intensive applications.

PROMISE proprietary SmartBoost™ technology ensures robust, high-performance storage for video recording without frame drop; it has proven itself in the industry in thousands of large-scale deployments worldwide.

Storage capacity of 320TB for the Vess A8600 and 480TB for the Vess A8800 plus huge scale up potential (320TB / 480TB) provides flexibility for future growth. Capacity can be seamlessly added to an existing setup as needed using Vess R3000/J3000 external storage hardware connected via iSCSI interface.

Simplified Management and Reduced Complexity



Vess A8600 and A8800 simplifies management of the surveillance network for daily operation. Integration of recorder and storage servers provides a total video surveillance solution combining VMS software and external storage. The legacy of the Vess A-Series is fully expressed in the Vess A8600 and A8800 with features integrated into the most popular VMS vendors. The systems are easy to setup, manage and maintain, greatly reducing the burden upon already overloaded IT staff. Once in place, little active management is needed and for many VMS platforms, storage system status is monitored directly the VMS user interface using a special plug-in designed for the particular VMS. Management software supports SNMPv2 as well as SNMP v3 for additional security.

Modular hardware design enables quick replacement in the field for components such as hard drives and power supplies plus One Plug Auto Service (OPAS) for fast diagnosis of any problems by PROMISE tech support staff available 24/7 online or via phone.

Reduced Power Consumption and Green Technology

PROMISE is committed to creating products that are power efficient and reduce harmful waste in the manufacturing. The new Vess A8600/A8800 continues in this effort with hot-swappable power supply modules and green design concepts (GreenBoost™ technology) incorporated into the hardware engineering to reduce power consumption, noise and thermal output.

Technical Specifications

	Vess A8600	Vess A8800
Model		
General Information		
Form Factor	3U, 19" Rackmount	4U, 19" Rackmount
Number of Bays	16 (front)	24 (front)
Drive Support	16 x 3.5"	24 x 3.5"
OS SSD	SSD : M.2 PCIe NVMe SSD 256GB (Standard) or M.2 PCIe NVMe SSD 512GB (Optional)	
HDD Type	Enterprise SATA HDD	
Processor	Intel Xeon® Scalable Silver4208 or Silver 4210R; Optional for Dual CPU	
Memory	DDR : 32GB (Standard)	
External Storage Option	Optional Promise Vess R/J Series (SATA/SAS) via iSCSI	
Interfaces		
NIC Port	4 x RJ45 Gigabit LAN Port	
IPMI Port	1 x RJ45 Dedicated IPMI LAN port	
USB Port	2 x USB 3.0	
PCI Express Port	6 x PCIe 3.0	
Graphic Port	1x D-sub VGA	
Audio I/O	3x 3.5mm Audio Jack	
RAID Operational		
RAID Level	0, 1, 1E, 5, 6, 10 (0+1), 50, 60; Any Combination can exist at the same time	
Hot Spare	Multiple global or dedicated hot-spare drives with revertible option	
Software		
OS Supported (64-bit)	Windows 10, WS2019	
Management Tools	WebPAM, Graphical UI/SNMP via Ethernet, CLI via Ethernet or Graphics, OPAS Service via USB, SDK or API for Integration	
SMARTBOOST™ Technologies	SMARTBOOST™ Storage	
Event Notification	Email, SNMP, Buzzer, LEDs	
Physical Information		
Dimensions (H x W x D)	131 x 484.2 x 667 mm	174 x 484.2 x 667 mm
Weight	7.38kg (16.23 lbs) w/o drives / 12.9kg (28.38 lbs) w/drives	9.24kg (20.37 lbs) w/o drives 14.6kg (32.19lbs) w/drives
AC Input	100 ~ 240 VAC, 60 ~ 50Hz	
Current (Maximum)	<15A@100-127Vac @full load / <10A@200-240Vac/160-340Vdc @full load	
Power Supply	80 PLUS Platinum 1200W 2+1 Redundant Power Supply	
Hot Swap	HDD Module/PSU Module	
Environment		
Temperature	5° ~ 40°C (-40° ~ 60°C non-operational)	
Warranty and Support		
Warranty	3-years standard warranty, optional extended warranty, and on-site parts replacement program (PROMISE ServicePlus) available	
Support	24/7 PROMISE eSupport Portal (support.promise.com), optional 24/7 phone and email support available.	

