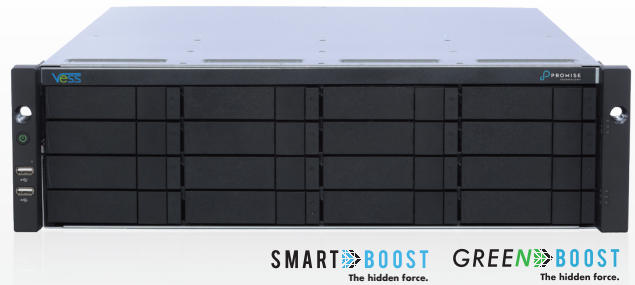




Data Sheet

# Vess A8000 Series



## Engineered for Surveillance

Vess A8600 and Vess A8800 are designed for the storage needs specific to video recording and Intelligent Video Analytics (IVA) applications. Options include an additional Intel Xeon CPU or a GPU card for IVA, AI-optimized and processor intensive applications.

The system included industry proven SmartBoost™ technology to ensure high-performance storage for continuous video recording and playback without dropping frames; as well as GreenBoost™ technology to reduce power consumption, noise and thermal output. Capacity can be scaled up to as much as 320TB or 480TB for the Vess A8600 and A8800 systems respectively with additional Vess R Series and Vess JBOD storage hardware. The systems support VMS integration from most major vendors for simplified management of large video surveillance networks.

## 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.

## Technical Specifications

Model	Vess A8600	Vess A8800
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### General Information

Camera Range	170	200
Form Factor	3U, 19" Rackmount	4U, 19" Rackmount
Number Of Drives	16 Drives	24 Drives
Drive Type	Hot Swappable 3.5" Enterprise SATA HDD 6Gbs. Optional 2.5" Enterprise SATA SSD	
Internal Storage	M.2 PCIe NVMe SSD 256GB (Standard) or M.2 256GBx2 OS RAID (Optional)	
System Processor	Intel Xeon® Scalable Silver 4208 or Silver 4210R (Dual CPU optional)	
System Memory	2 x 16GB DDR4 Default (Max 768GB)	
Storage Expansion	Optional PROMISE Vess R and Vess J series via iSCSI	

### Interfaces

NIC Port	4 x Gigabit Ethernet (Optional accessory: Dual port 10Gbps SFP+ NIC)	
IPMI Port	1 x Dedicated IPMI Gigabit Ethernet	
USB Port	2 x USB3.0	
PCI Express Ports	4 x PCIe3.0 x16 / 1 x PCIe3.0 x8 (available only when OS RAID card is not present)	
Graphic Interface	1 x D-sub VGA	
Audio I/O	3 x 3.5mm Audio Jack	
Graphic Card Support	Supports Nvidia Pascal, Turing, Ampere, Ada Lovelace and Hopper Arch. GPUs	
	4 x 350mm (L) * 111mm(H) * single slot 2 x 350mm (L) * 111mm(H) * dual slots	4 x 350mm (L) * 155mm(H) * single slot 2 x 350mm (L) * 155mm(H) * dual slots

### RAID Operational Feature

RAID Levels	0, 1, 1E, 3, 5, 6, 10 (0+1), 30, 50, 60 (Any combination can be configured simultaneously)
Hot Spares	Multiple global or dedicated hot-spare drives with revertible option

### Software

OS Supported (64-bit)	Windows 10, Windows Server 2019, Windows Server 2022, Ubuntu
Management Tools	Graphical UI/SNMP via Ethernet, CLI via Ethernet or Graphics, OPAS Service via USB, SDK or API for Integration
Optimization Technologies	SMARTBOOST™ Storage for Video Surveillance optimization
Event Notification	Email, SNMP (V1/V2/V3), Buzzer, LEDs

### System Information

AC Input	100 ~ 240 VAC, 60 ~ 50Hz	
Current (Maximum)	<15A @ 100-127Vac @full load / <10A @ 200-240Vac/160-340Vdc @full load	
Power Supply	Hot Swappable 80 PLUS Platinum 1200W Redundant Power Supply (80 PLUS Titanium 1300W available for Europe)	
Temperature	5° ~ 40°C (-40° ~ 60°C non-operational)	
Dimensions (H x W x D)	131 x 482 x 665 mm / 5.16" x 18.98" x 26.18"	175 x 482 x 665 mm / 6.89" x 18.98" x 26.18"
Weight	W/o HDD ~21.50kg (~ 47.40 lbs) W/ HDD: ~33.50kg (~ 73.75 lbs)	W/o HDD ~25.50kg (~ 55.25 lbs) W/ HDD: ~43.00kg (~ 94.75 lbs)

### 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.

<sup>1</sup> The Camera range is suggested value, tested in PROMISE lab under specific test scenario. For specific requirement, please consult with PROMISE sales representative.

\*The final spec may vary without advance notice. Please check PROMISE website for the updated information.

