



Vess A6000 Series



SMART BOOST
The hidden force.

Optimized for Video Surveillance

The Vess A6000 Series storage appliance is specially engineered for IP video surveillance deployment of 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.

Highlights

- Optimized for Surveillance**
Storage appliance optimized for IP video surveillance.
- 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 to expand storage capacity using iSCSI connection to PROMISE Vess R/J storage hardware systems for massive storage capacity potential
- Extensive VMS Support**
Certified/tested with the world's leading video management software.
- 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.
- PROMISE SmartBoost™**
For robust, error free performance in video recording applications.

Technical Specifications

Model **Vess A6600** **Vess A6800** **Vess A6600P** **Vess A6800P**

General Information

Camera Range ¹	150	200	170	200
Form Factor	3U, 19" Rackmount	4U, 19" Rackmount	3U, 19" Rackmount	4U, 19" Rackmount
Number Of Drives	16 Drives (3.5")	24 Drives (3.5")	16 Drives (3.5")	24 Drives (3.5")
Drive Type	12Gbs SAS/ 6Gbs SATA @ 3.5", SSD capable @2.5" ² , Hot Swappable		6Gbs SATA @ 3.5", SSD capable @2.5" ² , Hot Swappable	
# of Controllers	Single		Single	
System Processor	Intel® Xeon® E3 series	Intel® Core™ i7 series	Intel® Xeon E series	
System Memory	8GB x 2 Default (Max 64GB)		16GB x 2 Default (Max 128GB)	
I/O Interface	2 x Gigabit Ethernet		2 x Gigabit Ethernet	
Internal Storage	128GB (SSD M.2)		256GB (NVMe M.2)	
Storage Expansion	Optional PROMISE SAS and iSCSI Storage		Optional PROMISE iSCSI Storage(Vess R3600)	

Other Interfaces

# of USB Ports	USB2.0 x 2 (Front) / USB3.2 x 4(Back)		
PCI Express Ports	1x8-lane gen3		
Graphics	D-sub x 1, DVI x 1, HDMI x 1	D-sub x 1, DP x 1, HDMI x 1	

RAID Operational Feature

RAID Levels	RAID 0, 1, 5, 6, 10, 50, 60
Hot Spares	Multiple global or dedicated hot-spare drives with revertible option

Software

OS Supported (64-bit)	Windows 10, WS 2019
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(V1/V2/V3), 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°C (-40° ~ 60°C non-operational)			
Dimensions (H x W x D)	131 x 503 x 447 mm	173 x 503 x 447 mm	131 x 503 x 447 mm	173 x 503 x 447 mm
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	System W/O HDD: 16.11kg System W/ HDD: 26.84kg	System W/O HDD: 19.26 kg System W/ HDD: 35.36 kg

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.

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. Vess A6600 equivalent to VES0603
 4. Vess A6800 equivalent to VES0604

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

Contact us

