



Data Sheet

Vess A3340P



All-in-One Server and Scalable Total Solution of Storage Appliance

Vess A3340P is ideal for small-to-mid-sized video surveillance installations; reliable, high performance, easy to deploy and maintain. Certified and verified by the most popular VMS with proven installations worldwide, the Vess A3340P offers a wide choice of Intel Core and Xeon CPUs that easily handle system demand. Vess A3340P models are available with a single Power Supply Unit (PSU) or a redundant PSU to guarantee system function if the PSU fails.

Highlights

- | **Optimized for Surveillance**
Storage appliance optimized for IP video surveillance.
- | **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
- | **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
- | **Extensive VMS Support**
Certified/tested with the world's leading video management software.
- | **PROMISE SmartBoost™**
For robust, error free performance in video recording applications.

Technical Specifications

Model **Vess A3340Ps** **Vess A3340Pd**

General Information

Camera Range	60	80
Form Factor	2U, 19" Rackmount	
Number Of Drives	4 Drives	8 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	i3-9100e	Xeon E-2226GE
System Memory	2 x 16GB DDR4 Default (Max 64GB)	
Storage Expansion	Optional PROMISE Vess R and Vess J series via iSCSI	

Interfaces

NIC Port	2 x Gigabit Ethernet
USB Port	Front: 2 x USB 3.0, Back: 4 x USB 3.0, 2 x USB 2.0
PCI Express Ports	1 x PCIe3.0 x8 Low profile / 1 x PCIe3.0 x4 Low profile (available only when OS RAID card is not present)
Graphic Interface	1 x D-sub VGA, 1 x Display Port, 1 x HDMI*
Audio I/O	3 x 3.5mm Audio Jack
Optical S/PDIF	Yes

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, Windows11, Windows Server 2019, Windows Server 2022, Ubuntu, Rocky
Management Tools	Graphical UI/SNMP via Ethernet, CLI via Ethernet or Graphics, OPAS Service via USB, SDK or API for Integration
Optimization Technologies	SMARTBOOST(TM) 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)	<8A @ 100-240Vac @full load	
Power Supply	Swappable 80 PLUS Platinum 550W Power Supply	Hot Swappable 80 PLUS Platinum 550W Redundant Power Supply
Temperature	5° ~ 40°C (-40° ~ 60°C non-operational)	
Dimensions (H x W x D)	85 x 447 x 410 mm / 3.35" x 17.60" x 16.14"	
Weight	W/o HDD: ~11.25kg (~24.80 lbs) W/ HDD: ~17.25kg (~38.00 lbs)	W/o HDD: ~12.75kg (~28.10 lbs) W/ HDD: ~18.50kg (~40.80 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.

¹ 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.

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