Vess

Vess A3340 `Data Sheet`

Features

▸ **High-performance, state of the art design**

▸ **2U 8-bay rackmount chassis**

▸ **SMARTBOOST™ Technology inside**

▸ **3 year warranty – can extend to 5 years**

▸ **Easily add Promise storage to expand capacity**

Vess A3340 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 A3340 offers a wide choice of Intel Core and Xeon CPUs that easily handle system demand. Vess A3340 models are available with a single Power Supply Unit (PSU) or a redundant PSU to guarantee system function if the PSU fails.

PROMISE Alliance Partners

aimetis a Senstar company | AXIS COMMUNICATIONS | axxonsoft EXPERIENCE THE NEXT™ | BOSCH Invented for life | digifort

Genetec | milestone | nˣ | OnSSI | SeeTec An OnSSI Company | SONY

| **More Flexible Deployment with Linux OS Supported** | Linux users now have more options for their surveillance system deployment. Promise Vess A Series supports Linux distributions on select Vess A models for surveillance networks running Linux-based VMS in the back-end system(*).

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

| **All-in-One Server and Scalable Total Solution of Storage Appliance** | Reduce maintenance and service costs.
Easily expand capacity via iSCSI by adding Promise storage. |

| **Purpose Built for Surveillance and Highly Integrated Capability** | SDK library available for VMS UI & Management Integration.
Supports to develop VMS plug-in enabling it to be managed via VMS |

| **Simplified Management and Serviceability** | Modular design and the Promise One Plug Auto Service (OPAS) simplify maintenance and tech support. |

| **Partner Proven** | Fully compatible with the most widely used VMS, including Aimetis, AxxonSoft, CamIQ, CSVi, Digifort, Genetec, Milestone and OnSSi and IP cameras from Axis, Bosch, HANWHA Techwin and Sony. |

| **Simplified Project Planning Online** | Create a list of the suggested products for your project with just a few clicks using the Promise online Planner. Planning a surveillance project could not be easier.
Start planning now at: www.promise.com/Surveillance/DesignTool |

| **SMARTBOOST™ Technology** | A basket of unique and proprietary features dedicated for surveillance application. These technologies are used to overcome RAID performance bottlenecks and allow Vess A series to handle a higher quantity of IP cameras than competing systems. |

Product Specifications

	Vess A3340s	Vess A3340d
Model		
Camera Range*	Up to 100	
Form Factor	2U, 19" Rackmount	
Number Of Drives	8 Drives (3.5")	
Drive Type	SATA	
# of PSU	Single	Dual
System Processor	Intel® Xeon® E3, Optional Intel® Core i3/i5/i7	
System Memory	8GBx2 DDR4 (Max. to 32GB)	
Internal Built-in Storage for OS	M.2 128GB	
I/O Interface	2 x Gigabit Ethernet	
Storage Expansion	iSCSI	
Max # of HDDs Supported	Up to 112 drives through iSCSI & JBOD expansion	
Other Interfaces		
# of USB Ports	6x USB 3.0, 2x USB 2.0	
PCI Express Ports	1 x PCIe 3.0 x 8 / 1 x PCIe 3.0 x 4	
Graphics	D-sub, HDMI and Display Port	
Serial Interfaces	1x RS-232	
Audio & Microphone	3x 3.5mm Audio Jack + SPDIF	
RAID Operational Features		
RAID Levels	0, 1, 1E, 3, 5, 6, 10 (0+1), 30, 50; 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, WS2016, UBUNTU 18.04, Debian 9.0, Cent OS 6.8	
Management Tools	Graphical UI/SNMP via Ethernet, CLI/CLU via Ethernet or Graphics, OPAS Service via USB, SDK or API for Integration	
SMARTBOOST™ Technologies	SMARTBOOST™ Storage	
Event Notification	Email, SNMP, Buzzer, LEDs	
System Information		
AC Input	100 ~ 240 VAC, 60 ~ 50Hz	
Current (Maximum)	1A - 2A	
Power Consumption	250W	
BTU	853.25 BTU/h	
Power Supply	350W per Power Supply	
Fan	Redundant	
Temperature	5° ~ 40°C (-40° ~ 60°C non-operational)	
Dimensions (H x W x D)	88.2 x 446 x 410 mm (3.5 x 17.6 x 16.1 in)	
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
Safety/EMI	FCC(Class A) / CE / VCCI(Class A) / RCM / BSMI / ICES-003 / KC (A3340s) / CCC (A3340d)	
Warranty and Support		
Warranty	3 year limited warranty	
Optional Accessories	Sliding Rail, 2/4/8/16GB DDR Memory	

*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.

www.promise.com