



Vess A3340 Data Sheet



SMARTBOOST
The hidden force.

Features

- ▶ High-performance, state of the art design
- ▶ 3 year warranty – can extend to 5 years
- ▶ 2U 8-bay rackmount chassis
- ▶ Easily add Promise storage to expand capacity
- ▶ SMARTBOOST™ Technology inside

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



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) VEA2B222, VEA2B322, Vess A3340d1	
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.

Contact us

