



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 |
| 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

