



Simple,
Powerful and
Optimised for video



VA422 VideoAppliance

Features

PREDICTABLE PERFORMANCE

A powerful appliance with a finely-tuned OS, designed for video processing and recording. Award-winning technologies include VSOP Video Stream Optimisation delivering smooth video recording and playback. This eliminates disk fragmentation and the resulting frame loss for continuous write performance.

OPEN PLATFORM

All major OS and Video Management Software can be easily integrated and pre-loaded, having been pre-tested and qualified.

CHOOSE YOUR SOFTWARE

Your preferred video analytics software can be pre-loaded and ready to run at installation. These include facial recognition, abnormal behavior detection, suspect tracking, mobile information and incident management, cybersecurity and more, to further empower your solution.

PERFORMANCE MONITORING

Manage and track video assets for one or more sites and receive actionable information about the video network infrastructure. Continuous diagnostics including alerts, advisories, and daily status reports of server, storage, switches, camera and infrastructure disruptions help prevent issues and ensure maximum uptime.

- High performance with onboard software analytics
- Fully scalable and supports a large number of high definition cameras
- Maintains image quality without frame loss
- Award-winning technologies

Simply Smarter

The VideoAppliance VA422 rackmount integrates VMS (Video Management Software) and storage into a simple to use, high performance video surveillance storage server solution. This eliminates the cost of a separate VMS server, significantly reduces cabling and the complexity of integrating VMS, OS, commodity server and storage, while significantly lowering the total cost of ownership.

Tested & Certified

The Intrinsa Technology Labs constantly test and certify cameras, VMS systems, NVRs and other applications for use with Intrinsa products for physical security's real-world demanding requirements. This allows for risk-free integration, without the complications of products that are not designed for physical security.

Faster & More Powerful

The VA422 combines the high-performance Intel® Skylake Xeon® E3-1230v5 quad-core server class processor with up to 3.8 GHz clock speed and fast 2133 MHz DDR4 memory. Its high bandwidth connectivity and unmatched LAN connectivity with 5 GbE ports, gives it the speed and responsiveness for the unique performance requirements of video surveillance infrastructure.

Fully Protected

We provide advanced RAID technologies which eliminate disk drive failure - the number one cause of video loss and downtime. Disk drives are hot swappable without interruption in service or loss of data. The second most common failure is power supplies. The VA422 eliminates this by providing dual redundant power supplies. The VA422 only uses ECC RAM and video being stored and transferred within the system is fully protected.

Flexible & Scalable

Choose from a server only or versions with up to 48TB of storage and two SSD drives for the OS in RAID 1 configuration. The VA422 combines storage capacity with exceptional performance to deliver simple, reliable video storage to suit your needs. Expand the VA422 with the ST350, allowing capacity to grow by an additional 480TB.

Features

SURVEILLANCE DRIVES

Surveillance drives are designed for video storage to deliver reliable 24x7 operation—optimised for low power consumption, quiet operation, smooth video streaming, enterprise-class reliability and high capacity. Ensuring highest performance, and significant cost savings.

QUICK TO INSTALL

The VA422 can be installed in just a few minutes as all the integration work and testing has already been done. It just needs to be plugged in and configured to your project needs.

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Specifications

Core Technology

CPU Type	Intel Skylake Xeon® E3-1230v5 (3.4-3.8Ghz)
Socket	LGA1151
Core Logic	Intel® C236 Chipset
Benchmark/Clock speed	9705/3.4 Ghz
Memory size	8GB (expandable to 32GB)
Memory type	DDR4 2133 ECC
Video Storage Performance	Up to 120Mbps / 15Mbps

Expansion

Expansion Slot	1
Slot Type	1xPCI-E x16 (Gen3) (Full-Height/HL)

Storage

HDD Bays	4x Hot-swap 3.5" and 2x 2.5"
Drive support	2, 4, 6, 8 & 10TB SATA Video class 120GB SSD SATA III
RAID	0, 1, 10, 5

Networking

Data	4 x GbE (Intel® i210)
Management	1 x GbE (Intel® i210)

Video

Graphic	Aspeed AST2300
On Board I/O	4 x USB 3.0 ports USB 3.0 port, (front x2, rear x2) VGA port (1x rear) 1 x Serial Port (rear)
Management Solution	Remote IPMI support

Compliance

Safety	US/Canada (UL1950-CSA950) Europe (CE, EN55022 compliance to EU Directive 89/366/EEC) Europe (TUV)
EMI	US (FCC , CFR47 Part 15, Class A) Europe (CE, EN55022 class A & EN55024)

Physical Characteristics

Server dimensions (in./mm)	24" x 19" x 1.75" / 625 x 482.6 x 44.4 mm
Server weight	29.6lbs / 13.4kg
Shipping weight	36.2lbs / 16.4kg
Box dimensions	32.5" x 23.5" x 6" / 825.5 x 597 x 152 mm

Power

Voltage	Dual redundant 1+1 (Optional) 110/220V AC
Watts	750W 80 PLUS Platinum

Operating Environment

Operation temperature	Designed for 24x7x365 Operation 10°C to 35°C
Non-operation temperature	-40°C to 70°C
Humidity	20% to 90% (non-condensing)
Operating altitude	0 to 10,000ft / 0 to 3000m

