



**Simple,
Powerful and
Optimised for video**



VA622 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 has been prequalified and can be preloaded. We continually add more to ensure the widest possible certification coverage.

ANALYTICS ONBOARD

A first in the industry – choose from a range of tested and certified, leading software applications that can be pre-loaded and ready to run at installation. These include Video Management Systems, facial recognition, mobile information and incident management, abnormal behaviour detection, suspect tracking, cybersecurity and more. These enhance the hardware offering and provide a value-added, optimised software surveillance solution.

PERFORMANCE MONITORING TOOLS

End-to-end continuous diagnostics of the security video network, alerts, advisories, and daily status reports of server, storage, switches, camera and infrastructure disruptions. Manage and track video assets for one or more sites and receive actionable information about the video network infrastructure.

- High performance, with 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 VA622 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 continually 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 VA622 combines the latest generation, high-performance Intel® Skylake Xeon® E3-1230v5 quad-core server class processor with up to 3.8GHz clock speed and fast 2133 MHz DDR4 memory. Its high bandwidth connectivity and unmatched LAN connectivity with 4 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 VA622 eliminates this by providing dual redundant power supplies. The VA622 only uses ECC RAM and video being stored and transferred within the system is fully protected with RAID. Most NVRs and DVRs are not protected to this level and with these products crucial video can be lost.

Flexible & Scalable

Choose from a server only or versions with up to 144TB of storage and two SSD drives for the OS in RAID 1 configuration. The VA622 combines storage capacity with exceptional performance to deliver simple, reliable video storage to suit your needs. Expand the VA622 with the ST350, allowing capacity to grow by an additional 480TB.

Features

Specifications

VIDEO CLASS DRIVES

Video class 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.

EASY INSTALLATION

The VA622 delivers effortless installation, management and administration. All administration functions can be carried out with minimal storage knowledge. Once racked, setup time should be 15 minutes or less.

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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

Expansion

Expansion Slots	2
Slot Type	1xPCI-Ex16 (Gen3) (Half-Height) 1xPCI-Ex4(Gen3 x1 link) (Half-Height)

Storage

HDD Bays	12x Hot-swap 3.5" and 2x 2.5"
RAID levels	0, 1, 5 and 6
Drive support	4, 6, 8 & 10TB SATA / 120GB SSD

Networking

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

Video

Graphic	Aspeed AST2300
Optional HD Graphics	HD 7750 1 GB DDR5 plus DP, DVI, HDMI and VGA
Opt Graphics performance	1631
On Board I/O	1 x External Serial Port 4 x USB 3.0 ports USB 3.0 port, (front x 2, rear x 2) 1 x VGA port
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 3.5" / 625 x 482.6 x 87 mm
Server weight	49.6lbs / 22.5kg
Shipping weight	56.2lbs / 25.5kg
Box dimensions	32.5" x 23.5" x 7.5" / 825.5 x 597 x 190.5 mm

Power

Voltage	Dual redundant 1+1 110/220V AC
Watts	875W 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

