



Simple,
Powerful and
Optimised for video



SE422 EnterpriseServer

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 behaviour 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.

QUICK TO INSTALL

The EnterpriseServer 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.

- High performance with onboard software analytics
- Fully scalable and supports a large number of HD cameras
- Designed to record to external storage as part of larger surveillance infrastructure solutions
- Award-winning technologies

Simply Smarter

The EnterpriseServer SE422 is a video-optimised application server, designed to interface with video-optimised, shared external storage such as the Intrinsa EnterpriseStorage ST350, to eliminate the need for commodity IT servers and storage.

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 SE422 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 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 lost video and downtime. Disk drives are hot swappable without interruption in service or loss of data. The second most common failure is power supplies. The SE422 eliminates this by providing dual redundant power supplies. The SE422 only uses ECC RAM and video being stored and transferred within the system is protected.

Flexible & Scalable

Choose from a server with two SSD drives for the OS in RAID 1 configuration and options of up to 4 SSD drives with a capacity ranging from 120GB to 6TB. This is a perfect configuration for a VMS live database. The SE422 delivers simple, reliable performance to suit all your VMS application needs including recording, failover, archiver, directory and database servers.

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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	2 x 2.5" and 4 x hot swap 2.5"
Drive support	120GB to 6TB SSD SATAIII
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

