



Simple,
Powerful and
Optimised for video



SE224 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.

- Ultra-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 SE224 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 SE224 combines the dual high-performance Intel® Xeon® E5-2603 v4 six-core processors with up to 1.7G GHz clock speed and 16GB DDR4 2400 MHz ECC memory. Its high bandwidth connectivity and unmatched LAN connectivity with 4 GbE ports and an option of 10 GbE, 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 SE224 eliminates this by providing dual redundant power supplies. The SE224 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. Expand the SE224 with Expander series or with the ST350, allowing capacity to grow by an additional 480TB. This is a perfect configuration for a VMS live database. The SE224 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	Dual Intel Xeon E5-2603 v4 Broadwell 1.7 GHz
Socket	2 x Socket 2011 v3
Core Logic	Intel® C612 Chipset
Benchmark/Clock speed	8807 / 1.7GHz
Memory size	16GB(2x8GB)
Memory type	DDR4 2400 ECC
Video Storage Performance	Up to 320Mbps / 40MBs

Expansion

Expansion Slot	1
Slot Type	1 x PCI-E x16

Storage

HDD Bays	2 x 2.5" and 4 x 2.5" drives
Drive support	120GB to 2TB SSDs
RAID	0, 1 and 10

Ethernet

Data	4 x GbE (Intel® i210) Optional 2x 10GbE Intel X540
Management	1 x GbE (i210)

Video

Onboard Graphic	ASPEED AST2400
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On Board I/O

	2 x USB 3.0 (front) and 2 x USB 3.0 (rear) 1 x D-Sub (1x rear) 1 x Serial Port (COM1) (w/ 1x HDMI to DVI Adp. & 1 MDP to D-Sub Adp.)
Management Solution	Remote IPMI support

Compliance

Safety	US/Canada (UL1950-CSA950) Europe (CE, EN55022 compliance to EU Directive 89/366/EEC & 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	32.6lbs / 14.8kg
Shipping weight	39.2lbs / 17.8kg
Box dimensions	32.5" x 23.5" x 6" / 825.5 x 597 x 152 mm

Power

Voltage	Dual redundant 1+1
Watts	100 - 240 VAC 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

