



**Simple,  
Powerful and  
Optimised for video**



# ST350 EnterpriseStorage EX900 StorageExpander

## Features

### PREDICTABLE PERFORMANCE

A powerful appliance designed for video storage, featuring the latest generation of our advanced, award-winning StorStac™ Storage Area Network (SAN) software and a feature-rich GUI. Management and monitoring of your video surveillance infrastructure just got easier.

### NO FRAME LOSS

Our unique VSOP Video Stream Optimisation technology delivers smooth video recording and playback. It eliminates disk fragmentation and frame loss to ensure continuous long-term write performance.

### OPEN PLATFORM

Designed to work with all major OS and Video Management Software for optimal recording.

### 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.

### SURVEILLANCE/ ENTERPRISE DRIVES

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.

- Ultra-high performance storage with comprehensive CCTV infrastructure performance monitoring
- Fully scalable and supports a large number of ultra-high definition cameras
- Maintains image quality without frame loss
- Award-winning technologies

### Simply Smarter

The EnterpriseStorage ST350 rackmount works seamlessly with the EnterpriseServer (SE) and ServerBlade (SB) appliances to deliver a total storage solution. VMS software operates on the SE and SB products while video data is stored on the EnterpriseStorage and up to three Expanders. Each EX900 StorageExpander holds an additional 12 drives of up to 10TB each. The result is an extremely high capacity, ultra-high performance video surveillance storage and server solution.

### Faster & More Powerful

The ST350 combines the single high-performance Intel® Xeon® E5-2603 v4 quad-core processor with up to 3.0 GHz clock speed and 16GB DDR4 2133 MHz ECC memory. Its high bandwidth connectivity and unmatched LAN connectivity with 2 GbE ports, gives it the speed and responsiveness for the unique performance requirements of video surveillance infrastructure.

### Tested & Certified

The Intrinsa Technology Labs continually test and certify cameras, VMS systems, NVRs and other applications for use with Intrinsa SE (EnterpriseServer) and SB (ServerBlade). Used in conjunction with the ST350, they are specifically designed for physical security's real-world demanding requirements.

### 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 ST350 eliminates this by providing dual redundant power supplies. The ST350 only uses ECC RAM and video being stored and transferred within the system is protected.

### Flexible & Scalable

Choose from versions with up to 48TB of storage and two SSD drives for the OS in RAID 1 configuration. The ST350 combines storage capacity with exceptional performance to deliver simple, reliable video storage to suit your needs. Expand the ST350 with the EX900 StorageExpander, allowing capacity to grow by an additional 480TB.

## Features

### QUICK TO INSTALL

The EnterpriseStorage 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

Models	ST350 Storage controller EX900 Storage expander
CPU Type	Intel® Xeon® E5-2603 v4
# Controllers	Single or Dual
Memory size	8GB per controller
Memory type	DDR4 2133 ECC UDIMM
Cache Type	Mirrored/Persistent
Cache Settings	Cache can be configured to write-back, write-through or mirrored **for each virtual disk volume
Max. HDDs	48
Host Connect Options	IPSAN
Interface Ports	2x GbE iSCSI ports (per Ctrl.) One 24Gbps downstream SAS 2.0 ports (per Ctrl.) One Serial port (per Ctrl.) Two USB 3.0 ports (per Ctrl.)
HDD Type	Video Class SATAIII
Drives	3.5", 24/7/365. Video Class SATAIII – 4, 5, 6, 8 & 10TB
Redundancy	Power Supplies Fans
Availability Features	IP & disk group failover** Auto drive rebuild w/global spares
Serviceability	Power Supplies Fans System Software
Data Protection	RAID 0, 1, 5, 50, 10, 6, 60 Disk Group concatenation Bad sector reconstruction Scheduled drive inspection SMART diagnostics
Management	Web-based management utility Telnet Serial console management SNMP management (Enterprise MIB) iSNS
Security	LUN masking, Chap authentication
Software Services	Online capacity expansion Online software upgrades (OS/JBOD/Drives) Volume management (256 LUNs), Smart Sparing Intelligent Power Management

### Physical Characteristics

#### ST350

Dimensions (in./cm)

Weight (w/HDDs)

3.4" x 17.6" x 23.7" / 8.68 x 44.58 x 60.12 cm

28.4kg (62.5 Lbs)

#### EX900

Dimensions (in./cm)

Weight (w/HDDs)

3.4" x 17.6" x 23.7" / 8.68 x 44.58 x 60.12 cm

28.4kg (60.5 Lbs)

### Power

920W Redundant Platinum power supply

### Operating Environment

10-35°C (50-104°F) 10%-90% non-condensing  
Designed for 24x7x365 Operation

### Compatibility

Windows and Linux

\*Performance derived from an Intrinsa Video Surveillance configuration (test data available on request)

\*\*Dual models only