



# Intrinsa ST445 and EX900 series

## Key Features

- Physical Security Optimized Storage
- Highly scalable for medium to high end surveillance applications

### PREDICTABLE PERFORMANCE

- Each controller comes with Dual 10Gbit iSCSI host connection
- High availability and fault tolerance
- Standard dual controller
- Ultra-high density with small footprint
- Supports all major VMS software
- Supports high performance SAS
- Multi-lane SAS connector for expandability and scalability
- Add JBOD storage to connect up to 256 HDDs
- Hot Swappable all active components
- Dual Active/Active RAID controller for maximum fault tolerance
- RAID levels: JBOD, 0, 1, 0+1, 3, 5, 30, 50, 60 plus RAID-6 for
- Intelligent cooling system continuously adapts to its environment

### 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.

### Accelerated performance

The ST445 is based on Intrinsa high performance video streaming chip technology, offering at least 30% more performance than any other product on the market and at least 30% more cameras per storage controller.

### Faster and more powerful

The ST445 with dual 10Gbit iSCSI connection has been designed and built to meet surveillance demands of hundreds of video streams and massive storage capacity, with long data retention periods and the smallest possible footprint. Each ST445 can service hundreds of megapixel cameras, with a storage capacity of up to 2 Petabytes per iSCSI controller.

Additional ST445 systems can be added to the storage network, offering scalability up to hundreds of Petabytes to meet the requirements for all large deployments such as Homeland Security, Airports and City Centre surveillance installations.

### Ultimate Expandability

The 16 and – 60 bay EX900 – Series expansion comes with a dual controller option which enables a fully redundant mode. All connection points and JBOD controllers also have dual controller support. Combined with hot-swap power supplies, fans and hard disk drives, the systems offer real Enterprise Class, High Availability. Ultra-Density enclosure, offers 5 Petabytes of capacity, including servers, in a single 42U, 19" rackmount cabinet.

### Fully integrated solution

Intrinsa delivers the best platform for easy to deploy video surveillance. Our range of high-performance appliances include video recording, viewing, monitoring and administration servers, along with the innovative ST445 EnterpriseStorage appliance. Designed for optimal use with all other Intrinsa appliances for a complete and cost-effective physical security solution that fits your business needs.



Simple,  
Powerful and  
Optimised for video

## Features

## Specifications

Core Technology	ST445	EX945	EX955
DriveBay	16	16	60
Backup	Battery backup	N/A	N/A
Dual Controller	iSCSI	SAS	SAS
Drive support	6, 8, 10 and 12TB SAS	6, 8, 10 and 12TB SAS	6, 8, 10 and 12TB SAS
Capacity	192TB	192TB	720TB
Physical Characteristics	2U	2U	4U
Weight	25KG	25KG	25lbs / 11.3kgs
Power	Dual	Dual	Dual
Voltage	110/220V AC	110/220V AC	110/220V AC
Watts	560w	560w	1200w
Operating Environment	Designed for 24x7x365 Operation	Designed for 24x7x365 Operation	Designed for 24x7x365 Operation
Operation temperature	10°C ~ 35°C	10°C ~ 35°C	10°C ~ 35°C
Non-operation temperature	-40°C ~ 70°C	-40°C ~ 70°C	-40°C ~ 70°C
Humidity:	20% ~ 90% (non condensing)	20% ~ 90% (non condensing)	20% ~ 90% (non condensing)
Operating altitude	0 to 10,000'/0 to 3000m	0 to 10,000'/0 to 3000m	0 to 10,000'/0 to 3000m

For more information contact:

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