



Data sheet

# Storage Video Server – RS9 Series



High Performance, Reliable & Scalable solution for Video Surveillance. In the history of the surveillance industry, there has never been more focus on Quality, Reliability and Cost Efficiency when it comes to selecting products for large CCTV projects. Fibrenetix Storage Video Server (SVS) has been designed to meet these ever-growing needs.

## Recording Server and mass storage in a single system

The Storage Video Server – RS9 Series (SVS-RS9) is based around high-performance server technology, offering dual Intel® Xeon® Processors combined with Fibrenetix award winning RAID-6 engine, developed to support large video streams. Fibrenetix use the same Video Optimization Technology in our range of high-end broadcasting and 3D video editing products which ensure you never lose a frame. Fibrenetix SVS range has been certified to run with all major video management software, offering support for more cameras per Recording Server and longer retention capabilities than any other competitor in its class.

The Storage Video Server – RS9 Series (SVS-RS9) supports a huge capacity of more than 5.12 Petabytes per Recording Server (using 20TB HDDs in SAS configuration) with Fibrenetix scalable Iceberg technology. The reliability and quality are truly enterprise class, with hot swappable PSUs, hard disk drives and cooling fans.

If an even higher level of fault tolerance is required, the Storage Video Server (SVS) can be upgraded to support remote replication and server clustering. Supporting more than 500\* cameras with H.264 image compression (CODEC), the Storage

Video Server offers one of the best 'price per camera / cost per gigabyte' ratios in the industry. With the capability to retain data for periods of 90 days or 180 days, even with a limited budget.

The Storage Video Server – RS9 (SVS-RS9) comes as a standard with a Windows user interface and an easy to use GUI for quick, problem free installation and maintenance. Offering an outstanding solution for any mid to large Video Surveillance Installation.

*\* Subject to SVS VMS installed & camera resolution*

## Performance improvement

- 1000 Cameras using Continuous Recording
- 260 Cameras using Motion Detection
- Scalability 5.12PB in SAS Configuration
- Fibrenetix Video Technology with 40% improvement



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## Key Benefits:

- Designed, Built in Denmark
- Spare Parts compatible with the E8-E88 Series, and the Great Dane
- Unique RAID Graphic User Interface for the RS9, E8-E88, Great Dane Series
- Upgradable Power Supplies
- Comes with Windows Storage Server R2016 instead of File Server R2016 which represents an advantage in Licenses cost when the CPUs are upgraded
- The RS9-2U provides truly 8 HDDs Bays for storage – the OS being installed on 2x separate SSDs

## Unique Caddy System, offers full protection of data

- Fibrenetix caddy system has been designed to offer a vibration free environment for high performance SAS/SATA drives with 7.2K/10K/15K RPM speed
- The caddy has a unique 'gearbox' design which controls the force used each time a caddy is removed or inserted, protecting the backplane and hard drives
- SVS supports 2.5" and 3.5" hard drives in the same caddy, using SAS, SATA-III and SSD (Solid State Drives) with capacities of up to 20TB per drive

## Flexible Design with Multiple Expansion

- Fibrenetix Storage Video Server (SVS) comes with 5x PCIe expansion slots – ranging from 4x lane to 64x lane technology
- The expansion slots can be used to install additional 1Gbps ethernet adaptors, 10Gbit network cards or GPU Cards
- 16 Gbps Fibre Channel (FC) HBAs can also be installed – offering connectivity to SAN (Storage Area Networks) and remote data replication
- 8GB cache memory installed as standard, upgradeable to 2048GB per Storage Video Server

## ICEBERG technology, provides more than 4.6 Petabytes of storage capacity

- Storage Video Server supports Fibrenetix ICEBERG scalable storage technology. Offering a total storage capacity of up to 5.12 Petabyte per server (using 20TB HDDs) with Expansion
- Up to 5x JBODs, with a capacity of up to 2.040PB per JBOD can be attached to the built-in SAS expander connection
- ICEBERG technology offers a massive bandwidth of up to 4800MB/sec using 4x lane 12Gbps SAS connection

## Industry leading platform, ensures maximum compatibility

- Storage Video Server is based on the Intel® Xeon® 64bits platform, with support the Intel® Xeon® Scalable CPU
- The SVS Series comes as standard with Microsoft Storage Server 2016
- Windows Storage Server 2016 provides NAS (Network Attached Storage) features including: File Sharing, Replication, Snapshot, File De-duplication and iSCSI Target Connectivity SVS



RS9-864 STORAGE VIDEO SERVER



HOT-SWAP FAN MODULES



HOT-SWAP PSU

\*Specifications are subject to change, without prior notice.

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### Technical Specifications

Product Category	RS9-864 Series	RS9-1664 Series
Processor(s)	Intel® Xeon® Scalable CPU	
Number of CPUs	1 (upgradeable to 2)	1 (upgradeable to 2)
Maximum cores per CPU	16	24
Memory: Standard / Maximum	8GB / 2048GB	
OS Storage (internal 2.5")	2x 240GB SSD	
No. of Drive Bays 2.5" or 3.5"	8x Hot-swap	16x Hot-swap
Optional 10GBps Support	Yes (2)	
No. of Onboard LAN Ports	2/4	2
Hot-swap Components	HDDs, PSUs, Fans	
Maximum HDD Capacity	20TB	
Storage Capacity (gross)	160TB	320TB
Max Capacity – Incl. Expansion SAS	5.12PB	
Max Capacity – Per IP San Controller	10.24PB	
Hardware RAID Levels	0, 1, 3, 5, 6, 50, 60	
USB Ports	2x USB 3.0 - 2x USB 2.0	
Video Ports	1x VGA	
Default Operating System	Windows Storage Server 2016	
No. of PSUs	2	
Power Supply	2x 800W Power Supply	
Voltage	110-240v 50/60Hz	
Dimensions – mm (D x W x H)	700mm x 444mm x 88mm (2U)	700mm x 444mm x 132mm (3U)
Net Weight (CPU, DRAM, HDDs, GPUs not included)	20.8kgs	23.4kgs
Environment	Operation temperature: 10°C ~ 35°C Non-operation temperature: -40°C ~ 70°C	
Relative Humidity (%)	Non-operation humidity: 20% ~ 90% (Non-condensing)	
Accessories	2 x Power Cords, Warranty Card, Quick-User Guide	
Certification	BSMI, CE, RCM, FCC(Class A)	
BTU	2,735.36	
Standard Warranty Period	3 Years	

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