



Data sheet

SVS X9 Series – Storage Video Server



RS9 STORAGE VIDEO SERVER

Recording Server and mass storage in a single system, providing a Cost Effective High Performance, Reliable & Scalable solution for Video Surveillance

Recording server & mass storage in a single system

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.

The SVS is based around high-performance server technology, offering dual Xeon processors combined with Fibrenetix award winning RAID-6 engine, developed to support large video streams. Fibrenetix use the same technology in our range of high-end broadcasting and 3D video editing products which ensure you never lose a frame or a single second of your CCTV video footage.

Fibrenetix SVS range has been certified to run with Key industry IP video management software like Milestone and others, offering support for more cameras per recording server and longer retention capabilities than any other competitor in its class.

The Storage Video Server (SVS) supports a huge capacity of more than 3 Petabytes per server (using 14TB HDDs) with Fibrenetix scalable Iceberg technology.

The reliability and quality is 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 260* cameras

Supporting more than 260* 4Mbps camera with full motion detections (20% motion) and 30FPS, 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 even 180 days, even with a limited budget.

The Storage Video Server (SVS) comes as 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.

** Milestone systembuilder certification*



Storage Server installed with NVR software and offering up to 3.5PB RAID 6 protected Storage Capacity

fibrenetix



Unique Caddy System, offers full protection of data

- Fibrenetix caddy system has been designed to offer a vibration free environment for high performance SAS drives and SATA-III drives.
- 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.
- Only Fibrenetix offer support for 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 14TB per drive.

ICEBERG technology, provides up to 3584 TB storage capacity

- Storage Video Server supports Fibrenetix ICEBERG scalable storage technology. Offering a total storage capacity of up to 3584 TB per server (using 14TB HDDs).
- Up to 5x JBODs, can be attached to the built-in SAS expander connection.
- ICEBERG technology offers a massive bandwidth of up to 4800MB/sec using 4x lane 12Gbit SAS connection.

Flexible design with multiple expansion

- Fibrenetix Storage Video Server (SVS) comes with 5x PCIe expansion slots - ranging from 4x lane to 64x lane technology. Support high performance GPU cards
- The expansion slots can be used to install additional Ethernet adaptors, or 10Gbit network cards, for increased performance.
- 16 Gbit Fibre Channel HBAs can also be installed - offering connectivity to SAN (Storage Area Networks) and remote data replication.
- 8GB cache memory installed as standard, upgradeable to 768GB per SVS.

Industry Leading Platform, ensures maximum compatibility

- Storage Video Server is based on the Intel Xeon 64bit platform, with support for the latest E5-2600 V4 Intel multi-core processors - offering up to 40 cores in dual processor configuration (QPI up to 9GT/sec, according to Intel Inc).
- SVS comes as standard with Microsoft Storage Server 2016 installed, but can be ordered without an operating system - offering customers the flexibility to install an alternative OS, such as Linux, or other applications.
- Windows Storage Server 2016 provides optional NAS (Network Attached Storage) features including: File Sharing, Replication, Snapshot, File De-duplication, and iSCSI Target Connectivity.

Technical Specifications

Storage Video server	RS9-862-xxxx-xx-Ax	RS9-864-xxxx-xx-Ax	RS9-1662-xxxx-xx-Ax	RS9-16624xxxx-xx-Ax
No. of Drive Bays	8	8	16	16
Optional 2 × 10Gbit Support	Yes	Standard	Yes	Standard
No. of Onboard LAN Ports	4	4+2	4	4+2
No. of PSUs	2	2	2	2
Hot-swap Components	HDDs, Fans, PSUs	HDDs, Fans, PSUs	HDDs, Fans, PSUs	HDDs, Fans, PSUs
E52600 V4 Intel CPUs	1 (upgradeable to 2)	1 (upgradeable to 2)	1 (upgradeable to 2)	1 (upgradeable to 2)
Max. cores per CPU / Dual	12/24	12/24	20/40	20/40
Memory: Standard / Maximum	8GB / 768GB	8GB / 768GB	8GB / 768GB	8GB / 768GB
Maximum HDD Capacity	14TB	14TB	14TB	14TB
Storage capacity (gross)	112TB	112TB	224TB	224TB
Max Capacity – Incl. Expansion	3584 TB	3584 TB	3584 TB	3584 TB
Hardware RAID Levels	0, 1, 5, 6, 50, 60			
Default Operating System	Windows Storage Server 2016			-
Dimensions – mm (D × W × H)	700 × 444 × 2U	700 × 444 × 2U	700 × 444 × 3U	700 × 444 × 3U

*Specifications are subject to change, without prior notice.