Storage Video Server (SVS)

Compressed or Uncompressed... that's the question in 4K workflow, **but not for the Storage Video Server**

4K workflow has changed the landscape for the media and entertainment industry. The requirement for ultra high performance and scalable storage has never been more in demand than with 4K. Fibrenetix Storage Video Server (SVS) has been developed to meet these ever growing needs.

Super Server or Extreme Workstation

The SVS combines high performance server technology, offering dual Xeon processors, with a built-in Dual Core high performance video enabled RAID controller for extreme I/O handling. The SVS works perfectly as a Fileserver or NAS for Editing Workstations with multiple 1Gbit and 10Gbit LAN connections.

By adding a high-end graphic card, such as NVIDIA 6000, the SVS immediately becomes a high-powered Video Editing Workstation handling 10 bit 4K uncompressed video with ease.

When configured as a Fileserver or as a high-powered Video Editing Workstation, the SVS offers scalable storage via the onboard SAS expansion ports. By attaching Fibrenetix JBOD enclosures, each SVS can support up to 480 Terabytes of storage.

Dependent upon I/O data requirements, solid state disks, SAS and SATA hard drives can be combined in a single SVS to optimi handling of the most demanding tasks.

Server Highlights

- The quality and reliability of Fibrenetix SVS is truly enterprise class, with hot-swap power supply units, hard drives and cooling fans
- If an even higher level of fault tolerance is required, the Storage Video Server can be upgraded to support remote replication and server clustering
- Every Storage Video Server comes with a Windows user interface as standard, plus an easy to use GUI
- Whether your needs are editing, color grading, on-set digital dailies or network storage for visual effects workstations, Fibrenetix Storage Video Server is built to protect your data. All the while providing access at speeds that meet or exceed the needs of modern acquisition and post-production systems.

Scalable Storage, of Up to 480TB

- Storage Video Server supports Fibrenetix ICEBERG scalable storage technology. Offering a total storage capacity of up to 480TB per server (using 6TB HDDs)
- Up to 4x JBODs, with a capacity of up to 96TB per JBOD can be attached via the built-in SAS expander connections

SVS 16-BAY SERVER

Flexible Design With Multiple Expansion

Fibrenetix Storage Video Server comes with 6x PCIe 3.0 expansion slots – ranging from 8x lane to 16x lane, up to a total of 64x lane support (Support for 64 lane requires dual CPU installed).

The expansion slots can also be used to install additional ethernet adapters, 10Gbit network cards for added performance, or fibre channel cards for SAN (Storage Area Networks) connectivity.

Every SVS comes with 8GB memory installed as standard, but can be upgraded to 1TB per SVS.

Unique Caddy System Offers Full Protection of Data

Fibrenetix hard drive caddy system has been designed to offer a vibration free environment for high performance 15K SAS and 7.2K rpm 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.

Fibrenetix offer support for 2.5" and 3.5" hard drives in the same caddy, using any combination of SAS, SATA and Solid State Drives with capacities of up to 6TB per drive.

Industry Leading Platform, Ensures Maximum Compatibility

Storage Video Server is based on the Intel Xeon 64bit platform, with support for the latest E5-2600 Intel multi-core processors, offering up to 16 cores in dual processor configuration (QPI up to 8GT/sec).

SVS comes with Microsoft Storage Server 2008 R2 or Storage Server 2012 R2 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 2008 R2 provides NAS (Network Attached Storage) features including: File Sharing, Replication, Snapshot, File De-duplication, and iSCSI Target Connectivity.

TECHNICAL SPECIFICATIONS

Storage Video Server (SVS)	RS9-864-841	RS9-1664-841	RS9-1664-842	JBOD Expansion E8-1262-J31
No. of Drive Bays	8	16	16	12
Optional 2x 10Gbit Support	Yes	Yes	Yes	–
No. of Onboard LAN Ports	4	4	4	–
No. of PSUs	2	2	2	2
Hot-swap Components	HDDs, Fans, PSUs	HDDs, Fans, PSUs	HDDs, Fans, PSUs	HDDs, Fans, PSUs
No of 6-core E52600 Intel CPUs	1 (upgradeable to 2)	1 (upgradeable to 2)	2	–
Memory – Standard / Maximum	8GB / 1TB	8GB / 1TB	8GB / 1TB	–
Maximum HDD Capacity	6TB	6TB	6TB	6TB
Storage capacity (gross)	48TB	96TB	96TB	72TB
Max Capacity – Including Expansion	432TB	480TB	480TB	–
Hardware RAID Levels	0, 1, 3, 5, 6, 50, 60	0, 1, 3, 5, 6, 50, 60	0, 1, 3, 5, 6, 50, 60	–
Default Operating System	Windows Storage Server 2008 R2	Windows Storage Server 2008 R2	Windows Storage Server 2008 R2	–
Dimensions – mm (D x W x H)	700 x 444 x 2U	700 x 444 x 3U	700 x 444 x 3U	700 x 444 x 2U

HOT SWAP FAN MODULES

HOT SWAP PSU

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