RS3 Series – Storage Video Server

STORAGE VIDEO SERVER

Compact 1U server 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 surveillance projects. Fibrenetix Storage Video Server (RS3) has been designed to meet these ever growing needs.

NVR, Playback server, or VMS Management server

The RS3-462 is a compact and versatile 1U, 4-bay server based around high-performance server technology, with Intel Xeon E3-1200 v6 or E5-2600 v4 processors and Fibrenetix award winning RAID-6 engine, to deliver enterprise-level performance. It is ideal as a VMS Management server and a low capacity recording server, offering between 8 and 48 Terabytes of storage capacity.
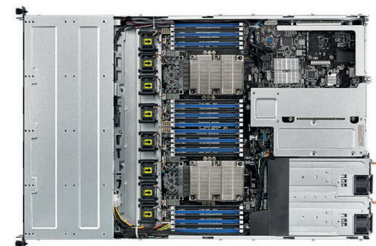
Fibrenetix SVS range has been certified to run with major IP video management software, offering support for up to 100+ cameras per NVR and longer retention capabilities than any other competitor in its class.

Ultra-dense Formfactor

The RS3 series offers a single or dual CPU, up to 4x DDR4 memory, 1x PCIe expansion device and a single or dual PSU module in a 1U high, 600mm deep enclosure. This ultra compact formfactor enables the server to be deployed in almost any SMB or datacenter environment.

Affordable, Enterprise-level Performance and Reliability

The RS3 delivers great performance with one of the best 'price per camera / cost per gigabyte' ratios in the industry. With the flexibility of LAN and storage expansion, with quick and easy configuration. The RS3 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 with minimal cost of ownership.

1U SERVER SOLUTION FOR VIDEO SURVEILLANCE

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RS3 Series

Flexible, Scalable I/O options
– plus key benefits over HP 1U server

The RS3 offers flexible I/O scalability to meet today's diverse datacenter application requirements. The additional PCIe expansion slot can be used with a Fibrenetix hardware RAID controller to provide up to 56TB of RAID 5 storage.

Remote Management via IPMI enabling cold or warm boot

A built-in, dedicated LAN port for remote monitoring (IPMI) enables the server administrator to monitor and manage the server from a remote location. The server can even be 'cold' booted remotely if required.

Features:

- Compact 1U server with onboard OS
- Win 10 Pro or Win Storage Server 2016
- 8GB memory as standard, upgradeable to 1024GB
- High performance Intel Xeon E3, E5 processor or Intel Gold-Series as standard
- Dual 240GB SSD drives in RAID 1 for applications & OS and Gold based series only
- 4x 3.5" HDD bays for up to 48TB of data
- Optional hardware RAID card
- Single, highly efficient PSU (optional dual PSU)

Technical Specifications

Storage Video server	RS3-462-xx-A4 Series	RS3-462-xx-A5 Series	RS3-465-1681-M12-A5 Series
No. of Drive Bays 2.5" or 3.5"	4	4	4
Optional 10Gbit Support	Yes	Yes	Yes
No. of Onboard LAN Ports	2/4	2/4	2/4
No. of PSUs	1	1 (**upgradeable to 2**)	1 (**upgradeable to 2**)
Hot-swap Components	HDDs, PSU when Dual, Fans	HDDs, PSU when Dual, Fans	HDDs, PSU when Dual, Fans
No of 4-core E3-1200 v6 Intel CPUs	1	–	Intel Gold-Series
No of 8-core E5-2600 v4 Intel CPUs	–	1 (**upgradeable to 2**)	1 (**upgradeable to 2**)
Max. cores per CPU	4	6 – 16	6 – 24
Memory: Standard / Maximum	8GB / 512GB	8GB / 1024GB	16GB / 2048GB
Maximum HDD Capacity	10TB	12TB	14TB
Storage capacity (gross)	40TB	48TB	56TB
Max Capacity – Incl. Expansion	2.440TB	2.440TB	2.440TB
Hardware RAID Levels	0, 1, 3, 5	0, 1, 3, 5	0, 1, 3, 5
Default Operating System	Windows 10 Pro or Windows Storage Server 2016	Windows 10 Pro or Windows Storage Server 2016	Windows 10 Pro or Windows Storage Server 2016
Dimensions – mm (D × W × H)	615mm x 444mm x 44mm (1U)	615mm x 444mm x 44mm (1U)	615mm x 444mm x 44mm (1U)

Specifications are subject to change, without prior notice.

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