



Data sheet

Storage Video Server - RS3 Series



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 Series) has been designed to meet these ever-growing needs.

Playback Server, VMS Management Server or Recording Server

The RS3 Series is a compact and versatile 1U, 4-bay server based around high-performance server technology, with Intel® Xeon® Scalable Processors equipped with Fibrenetix award winning RAID-6 engine, to deliver enterprise-level performance. It is ideal as a VMS Management server and a low space recording server, offering between 22 and 88 Terabytes of storage capacity.

Fibrenetix SVS range has been certified to run with major IP video management software, offering support for up to 300+ cameras per server 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 eight DDR4 memory, one PCIe expansion device and two 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.

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Flexible, Scalable I/O options

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 88TB of RAID 5 storage, or an additional four Ports Graphic Card.

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.

Benefits:

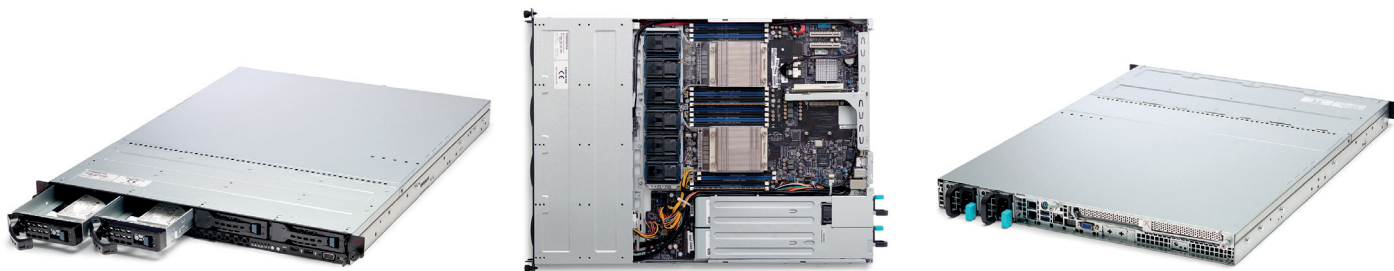
- Milestone Verified through System Builder Program
- Versatile Storage Capability
- Optimized thermal design for heat sink and heat pipe
- Best-in-class power efficiency and stability
- High Networking Connection

Features:

- Compact 1U server with onboard OS
- Windows 10 Pro or Windows Storage Server 2016
- 8GB memory as standard, upgradeable.
- High performance Intel® Xeon® Scalable as standard
- Dual 240GB SSD drives in RAID 1 for Applications & OS.
- 4 x 3.5" HDD bays for up to 88TB of data
- Optional hardware RAID Controller or GPU Card
- Dual, highly efficient PSUs

Applications:

- CCTV Enterprise Class
- Media & Entertainment
- Medical
- Data Center
- BIG DATA and Cloud Business



1U SERVER SOLUTION FOR VIDEO SURVEILLANCE – DUAL PROCESSOR

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Technical Specifications

Product Category	RS3-462-XX
Processor	Intel® Xeon® Scalable CPU
Number of CPUs	1 (upgradeable to 2)
Maximum Core per CPU	8 – 24
Core Logic	Intel® C622
Memory	32GB RDIMM up to 512GB RDIMM
OS Storage (internal 2.5")	2x 240GB SSD
OS Storage (M.2 Connectors)	1x M.2 connectors
Storage Bays	4x Hot-swap 3.5" HDD Bays
Max. HDD Capacity Supporter	22TB
Maximum Raw Storage Capacity	88TB
Max Capacity – Incl. Expansion	11.26 PB (Via IP SAN)
Hardware RAID Levels	0, 1, 5, 6, 10
Optional 10GBps Support	Yes
Network	2 x Intel® X722 + Marvel PHY 88E1514 + 1 Mgmt LAN
Graphics (Standard)	Aspeed AST2500 16MB VRAM
I/O Ports	2 Type-A (USB3.2 Gen1) Front Panel 1 DB15 (VGA) Rear I/O 2 Type-A (USB3.2 Gen1) Rear 1x RJ45 Gigabit Ethernet LAN port
Hot-swap Components	HDDs, PSUs, FANs
Operating System	Windows Storage Server 2016/2019
Power Supply	1 + 1 Redundant 750W 80PLUS Platinum Power Supply
Voltage	100-127/200-240Vac, 8A/4A, 47-63Hz, Class 1
Dimensions – mm (D × W × H)	625 mm X 430 mm X 43.4 mm
Net Weight (CPU, DRAM, HDDs, GPUs not included)	11 Kg
Environment	Operation temperature: 10°C ~ 35°C Non-operation temperature: -40°C ~ 70°C
Relative Humidity (%)	Non-operation humidity: 20% ~ 90% (Non-condensing)
Certification	BSMI, CE, RCM, BIS, FCC(Class A), IEC 62368-1
Warranty Period	3 Years
BTU/hr	1,538.64

*Specifications are subject to change, without prior notice.