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.

NVR, 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® E3-1200 v6 or 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 18 and 72 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 72TB 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.
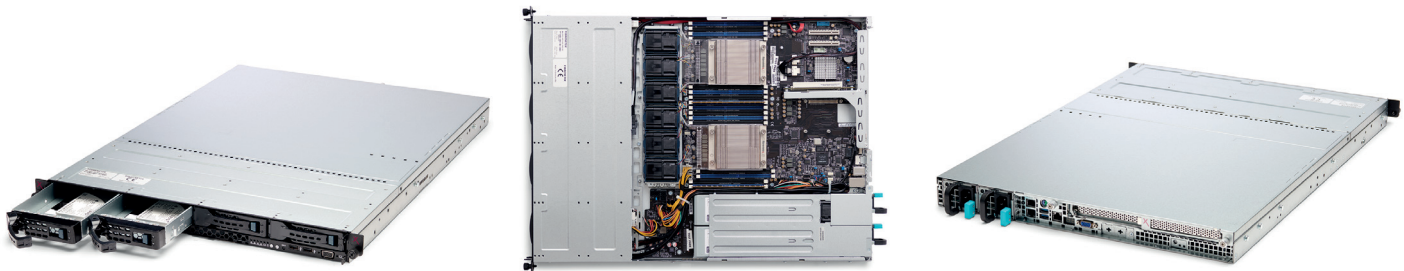
Benefits:

- 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® E3, E5 Processor or Intel® Gold-Series as standard
- Dual 240GB SSD drives in RAID 1 for Applications & OS.
- 4 x 3.5" HDD bays for up to 72TB 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

3:0 SVS-RS3 Series

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Technical Specifications

Storage Video server	RS3-462-xx-Ax Series	RS3-465-xx-M16-A9 Series
Processor	Intel® Xeon® CPU E3-1200 v6	Intel® Xeon® Scalable CPU
Number of CPUs	1	1 (upgradeable to 2)
Maximum Core per CPU	4	8 – 24
Core Logic	Intel® C232 Chipset	Intel® C612 Chipset
Memory	8GB UDIMM, up to 64GB UDIMM	16GB LRDIMM, up to 2048GB LRDIMM
OS Storage (internal 2.5")	2x 240GB SSD	
OS Storage (M.2 Connectors)	-	2x M.2 Connectors
Storage Bays	4x Hot-swap 3.5" HDD Bays	
Max. HDD Capacity Supporter	18TB	
Maximum Raw Storage Capacity	72TB	
Max Capacity – Incl. Expansion	2.440TB (via IP SAN)	
Hardware RAID Levels	0, 1, 3, 5, 6	
Optional 10GBps Support	Yes	
Network	4 x Intel® I210 + 1 Management LAN	2 x Intel® X722 + Marvel PHY 88E1514 + 1 Mgmt LAN
Graphics (Standard)	Aspeed AST2400 32MB VRAM	Aspeed AST2500 64MB VRAM
Auxiliary Storage FDD/CD/DVD	–	Slim-type Optical Drive Bay
I/O Ports	4 x USB 3.0 ports (Front x 2, Rear x 2) 2 x USB 2.0 ports (Rear x 2) 2 x VGA ports (Front x 1, Rear x 1) 1 x External Serial Port 2 x Internal A-Type USB Port 1 x PS/2 mouse/keyboard combo Port	2 x USB 3.0 ports (Rear x 2) 2 x USB 2.0 ports (Front x 2) 2 x VGA ports (Front x 1, Rear x 1) 1 x RJ-45 Mgmt LAN Port
Hot-swap Components	HDDs, PSUs, FANs	
Operating System	Windows 10 Pro or Windows Storage Server 2016	Windows Storage Server 2016
Management Solution	Optional ASMB8-iKVM for KVP-over-IP	On-board ASMB9-iKVM for KVP-over-IP
Power Supply	1 + 1 Redundant 450W 80PLUS Gold Power Supply	
Voltage	100-127/200-240Vac, 8A/4A, 47-63Hz, Class 1	
Dimensions – mm (D × W × H)	615mm x 444mm x 44mm (1U)	
Net Weight (CPU,DRAM, HDDs, GPUs not included)	8.98 Kg	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)	
Accessories	2 x Power Cords, Warranty Card, Quick-User Guide	
Certification	BSMI, CE, RCM, FCC(Class A)	
Warranty Period	3 Years	
BTU/hr	1,538.64	1,538.64

Specifications are subject to change, without prior notice.

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