



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 20 and 80 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 data-center application requirements. The additional PCIe expansion slot can be used with a Fibrenetix hardware RAID controller to provide up to 80TB 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:

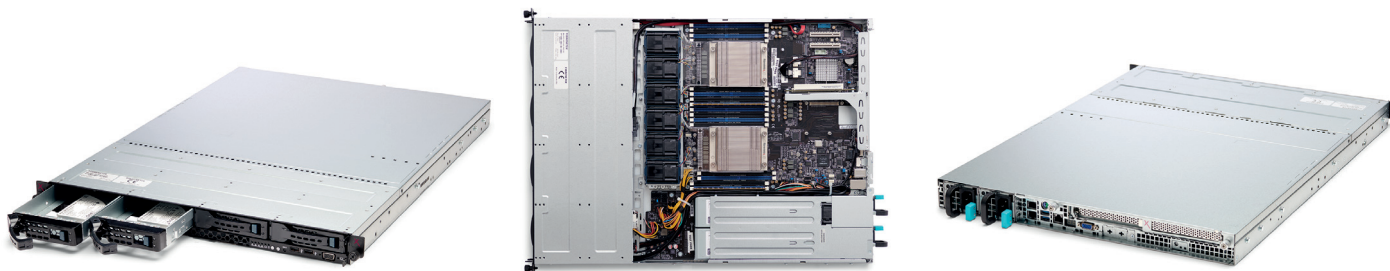
- Milestone Verified through System Builder Program
- Versatile Storage Capability
- Optimized thermal design for heat sink and heat pipe
- Best-in-class power efficiency and stability
- High Networking Connection

## 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 80TB 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

<b>Product Category</b>	<b>RS3-Series</b>
<b>Processor</b>	Intel® Xeon® Scalable CPU
<b>Number of CPUs</b>	2
<b>Maximum Core per CPU</b>	8 – 24
<b>Core Logic</b>	Intel® C612 Chipset
<b>Memory</b>	32GB LRDIMM, up to 2048GB LRDIMM
<b>OS Storage (internal 2.5")</b>	2x 240GB SSD
<b>OS Storage (M.2 Connectors)</b>	2x M.2 Connectors
<b>Storage Bays</b>	4x Hot-swap 3.5" HDD Bays
<b>Max. HDD Capacity Supporter</b>	20TB
<b>Maximum Raw Storage Capacity</b>	80TB
<b>Max Capacity – Incl. Expansion</b>	2.440TB (via IP SAN)
<b>Hardware RAID Levels</b>	0, 1, 3, 5, 6
<b>Optional 10GBps Support</b>	Yes
<b>Network</b>	2 x Intel® X722 + Marvel PHY 88E1514 + 1 Mgmt LAN
<b>Graphics (Standard)</b>	Aspeed AST2500 64MB VRAM
<b>Auxiliary Storage FDD/CD/DVD</b>	Slim-type Optical Drive Bay
<b>I/O Ports</b>	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
<b>Hot-swap Components</b>	HDDs, PSUs, FANs
<b>Operating System</b>	Windows Storage Server 2016/2019
<b>Management Solution</b>	On-board ASMB9-iKVM for KVP-over-IP
<b>Power Supply</b>	1 + 1 Redundant 450W 80PLUS Gold Power Supply
<b>Voltage</b>	100-127/200-240Vac, 8A/4A, 47-63Hz, Class 1
<b>Dimensions – mm (D x W x H)</b>	615mm x 444mm x 44mm (1U)
<b>Net Weight (CPU, DRAM, HDDs, GPUs not included)</b>	11 Kg
<b>Environment</b>	Operation temperature: 10°C ~ 35°C Non-operation temperature: -40°C ~ 70°C
<b>Relative Humidity (%)</b>	Non-operation humidity: 20% ~ 90% (Non-condensing)
<b>Accessories</b>	2 x Power Cords, Warranty Card, Quick-User Guide
<b>Certification</b>	BSMI, CE, RCM, FCC(Class A)
<b>Warranty Period</b>	3 Years
<b>BTU/hr</b>	1,538.64

\*Specifications are subject to change, without prior notice.