Storage Video Server – RS2 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 (RS2 Value Point Series) has been designed to meet these ever-growing needs.

NVR, Playback Server, VMS Management Server or Recording Server

The RS2 Value Point Series is a compact and versatile 1U, 4-bay server based around high-performance server technology, with Intel® Xeon® E-23xx series processor, 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.

The Fibrenetix RS2 Series has been certified to run with major IP video management software, offering support for up to 150+ cameras per server and longer retention capabilities than any other competitor in its class.

Ultra-dense Formfactor

The RS2 Value Point Series offers a single CPU, up to four DDR4 memory, three PCIe expansion slots and two PSU modules in a 1U high, 497mm deep enclosure. This ultra-compact formfactor enables the server to be deployed in almost any SMB or datacenter environment.

Features:

- Compact 1U server with onboard OS
- Windows 10 Enterprise 64-bit or Windows Server 2019/2022
- Up to 128GB of RAM.
- High performance Intel® Xeon® E-23xx series processor
- 4 x 3.5" HDD bays for up to 88TB of data
- Optional hardware RAID Controller or LP GPU Card
- Dual, highly efficient PSUs

Applications:

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

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Technical Specifications

Product Category	RS2-453
Processor	CPU Xeon E-23xx series upto 8 cores
Number of CPUs	1x Socket LGA1200
Core Logic	Intel® C252 PCH
Memory	4x Slots, DDR4, up to 128GB UDIMM
OS Storage (M.2 Connector)	'1x M.2 240 GB SSD
Storage Bays	4x Hot-swap 3.5" HDD Bays
Max. HDD Capacity Supporter	22TB
Maximum Raw Storage Capacity	88TB
Max Capacity – Incl. Expansion	10.24PB (via IP SAN)
Software RAID Levels	Intel® VROC - RAID 0, 1, 5, 10
Optional Hardware RAID Controller	Yes, FBX R08 Controller, for SAS HDDs - RAID 0, 1, 10, 5, 50, 6, 60
Optional 10Gbps Support	Yes
Network	2x Intel® I210AT + 1 Management LAN
Graphics (Standard)	Aspeed AST2600 with 64MB VRAM
Optional GPU Support	Yes - Low Profile Graphic Card (ex: NVIDIA T400, T1000)
Auxiliary Storage FDD/CD/DVD	Optional
Expansion Slots	1x PCI-E x 16 (Gen4 x16 Link), FH/HL 1x PCI-E x 8 (Gen4 x8 Link), HH/HL 1x PCI-E x 8 (Gen3 x4 Link)
I/O Ports	Rear I/O Ports: 2 x USB 3.2 Gen 2 ports 1 x VGA port * 1 x HDMI port from CPU 1 x COM port 2 x RJ-45 ports Front I/O Ports: 1 x VGA port* 2 x USB 3.2 Gen1 ports
Hot-swap Components	HDDs, PSUs
Operating System	Windows 10 Enterprise 64-bit, Windows 2016/2019 Server (Optional)
Management Solution	On-board ASMB10-iKVM for KVP-over-IP (Optional)
Power Supply	1 + 1 Redundant 450W 80PLUS PLATINUM Power Supply
Voltage	100-127/200-240Vac, 8A/4A, 47-63Hz, Class 1
Dimensions – mm (D × W × H)	497mm x 439.5mm x 44mm(1U)
Net Weight (CPU,DRAM, HDDs, GPUs not included)	15.2 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	2x Power Cords, Warranty Card, Quick-User Guide
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.

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