

BlueStor™

High Performance DigiLab™ Video Server



CAPACITY
UP TO 48TB*

TRANSFER RATE
UP TO 1600MB/S

JMR's **BlueStor™ DigiLab™** Video Server is an extremely flexible, open platform storage system that delivers unprecedented on-set digital image processing, monitoring and control functionality for the most demanding digital video workflows, whether on set or in a post facility.

Using JMR's renowned and patented PCI-Express DAS technology, the **DigiLab™** Video Server can sustain transfer rates up to 1600 MB/s while providing the processing power needed to run sophisticated digital intermediate applications. The array of I/O connections provided with each **DigiLab™** make ingesting and transcoding from any of today's popular digital media formats a breeze.

The **BlueStor™ DigiLab™** Video Server seamlessly integrates top-of-the-line Quad-Core Intel® processors, NVIDIA® (or other brand) graphics card, built-in BluRay writer and a 19-in-1 media reader into a high performance 16-drive hotswappable RAID storage system. The ultra-fast RAID performance is the result of laboratory optimized hardware and software, as each **DigiLab™** contains dual RAID controllers and dual SAS expanders that provide higher real world throughput rates than any competing solution.

Features:

- 4U 16-Bay SAS/SATA Storage Server
- Up to 48 TB Capacity
- Dual 3 Gb/s Internal SAS Expanders
- Dual PCIe RAID Controllers
- Redundant (N+1) Hot Swap Power Supplies
- Redundant (N+1) Hot Swap, Thermostatically Controlled Cooling Elements
- Dual Quad Core Intel Nehalem 3.2GHz Processors
- 24GB DDR3 ECC Memory
- NVIDIA® Quadro® FX3800SDI Graphics
- Blu-ray Optical Disk Drive (Writer)
- 19-in-1 Media Reader
- IEEE 1394 Firewire and eSATA I/O Ports
- Dual GigE Ports
- Supports Assimilate SCRATCH Digital Process Solutions
- Rack Mount Kit and Hardware Included

*Based on current drive capacities

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DigiLab™ Video Servers are fully SES 2.0 compliant and provide real-time disk activity/failure status for every drive bay as well as physical user interface controls and indicators for power and cooling status with visible and audible alarms, plus front panel power and reset switches. JMR's RAID controllers provide support for RAID levels 0/1/4/5/6/40/50/60, DVRAID, N-way mirroring, and global hot spares, plus automatic RAID rebuild, online capacity expansion and RAID group partitioning with an easy-to-use GUI for RAID management and configuration.

Rack Mount Specifications

Dimensions/Weight

Weight	51lbs. (23.13 kg) (excluding drives)
Height	6.97" (4U) (177.04 mm)
Width	19" (483 mm)
Depth	25" (635 mm)

Power Supply (includes internal cooling fan)

Quantity	2
Power	620 Watts each (N+1) Power Factor Correction
Input	100-260 VAC; 50-60 Hz

Mother Board Features

- Two 3.2GHz Quad-Core Intel® Nehalem Processors with a 667MHz, 1066MHz, or 1333MHz System Bus
- Intel® 5500P Server Chipset
- Quad Memory-Channel Architecture (96GB Max)
- PCI Express I/O Interconnect Technology
- Six Port SATA Via Integrated Controller on Mother Board

JMR Electronics, Inc.

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