Lightspeed VLS-300

Next-Level Media Processing Speed

The VLS-300 is the latest evolution in the Vantage Lightspeed server family, representing the flagship model of **next-generation** Lightspeed servers. Engineered to deliver exceptional performance, the VLS-300 will supercharge Vantage workflows, offering unparalleled **speed** and **efficiency** in high-volume transcoding and media processing tasks. With a significant **30% performance increase** over the G10 Lightspeed server, the VLS-300 redefines media workflow efficiency.

Ultra-Fast Performance

High Speed Processing: Provides the compute power necessary to handle resource-intensive tasks, particularly in large 4K media workflows.

Reduced Bottlenecks: Eliminate processing delays while shortening media processing times, enabling faster turnaround and more efficient operations.

High Scalability and Adaptability

Scalable Design: Scales with your operations, easily meeting the growth of your workflow demands.

Advanced Connectivity: Seamlessly integrates into existing infrastructures with robust design and cutting-edge connectivity options.

Dependable Quality

Dual GPU Configuration: Features dual NVIDIA A4000 GPUs to ensure that even the most demanding content meets and exceeds the highest quality and compliance standards.

Superior Processing Capabilities: Delivers your content with consistent and dependable quality with enhanced processing power.

No-Compromise Efficiency

Cost-Effective Operation: Offers exceptional performance while keeping operational costs in check.

Innovative Design: Maintains high efficiency without sacrificing reliability or performance through its design.

Advantages of the VLS-300:

- **Unmatched Processing Power:** With two NVIDIA A4000 GPUs at its core, the VLS-300 redefines speed and efficiency, setting a new benchmark in the Lightspeed series.
- **Engineered for Excellence:** Built with robust cooling systems, dual power supplies, and all solid-state storage, the VLS-300 ensures consistent top-tier performance and unparalleled reliability.
- **Manage Demanding Workflows with Ease:** Featuring NVMe 800GB OS drives and dual 1.92TB media storage RAID drive bays, this server is ready to handle the most demanding media workflows with ease.
- **Future-Proof:** The VLS-300 offers versatile Ethernet options, including 2-Port 1G/10G RJ45, and is ready for additional 25G and 100G network configurations, ensuring your operations are always ahead of the curve.

Technical Specifications

Standard Configuration VLS-300

Base Chassis
1RU Supermicro Server

CPU
Intel (Dual) 6442Y

Number of Cores
2x 24c, 48c

Memory
256GB

OS Drives
2x 800GB NVMe

Power Supply
2x 800/1200W Redundant

GPU
2x NVIDIA GPUs

Media Drives
2x 1.92TB SATA SSD

OS
Windows Server 2022

Ethernet Connectivity
2-Port 1G/10G RJ45

Factory Fitted Options

Ethernet Option 1
2-Port 25G + SR SFP's

Ethernet Option 2
2-Port 100G QSFP + SFP's

Environmental Specifications (Preliminary)

Operating Temperature
15°C to 30°C (59°F to 85°F)

Power Consumption (Idle)
345W/2.9A

Power Consumption (Full Load)
960W/8.4A