

# 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.

### Dependable Quality

**Dual GPU Configuration:** Features dual NVIDIA 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.

### 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.

### 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 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 V-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 2019

**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

**OS Option 1**

Windows Server 2022

### Environmental Specifications (Preliminary)

**Operating Temperature**

15°C to 30°C (59°F to 85°F)

**Power Consumption (Idle)**

142W/1.2A (approximate)

**Power Consumption (Full Load)**

960W/8.4A (approximate)