The Ultimate EFS NVMe is a ferocious leap forward in media-engineered storage, built to dominate post-production, VFX, and broadcast workflows with aggressive speed and unmatched power in a compact 24 NVMe drive 2U form factor.

Unrivaled Speed and Capacity

Delivering a massive throughput improvement over the first generation of EFS NVMe and supporting nearly three-quarters of a petabyte of capacity in a single 2U node, this latest solution is built for professionals who demand the most extreme speed, massive capacity, and cutting-edge efficiency.

Whether working in post-production, VFX, or finishing, this system sets a new standard for high-performance media storage.

With faster aggregate throughput exceeding 24GB/s per node, higher stream counts, and improved efficiency across all media workflows, we've ensured that every bit of power from our NVMe solution is fully optimized to meet the growing demands of modern production environments.

Built for the Most Demanding Workflows

This solution can deliver more total bandwidth than fits in a single 100-gigabit port on your network switch, it's that fast. Harnessing the power of next-generation NVMe technology, all powered by our media-aware EFS file system, this new 2U 24-drive node dramatically reduces bottlenecks and accelerates every aspect of media production.

The EFS Native Client, an advanced, multi-threaded network filesystem driver with ultra-low overhead and latency, delivers superior performance and resiliency compared to legacy protocols like SMB or NFS, enabling direct, high-speed data transactions between EFS NVMe storage nodes and workstations running Windows, macOS, or Linux.

Whether collaborating, editing, or grading, the Ultimate EFS NVMe ensures massive performance with breakneck speed and immediate response.

Imagine multiple editors and graders working on finishing 12-bit DPX workflows concurrently from the same node.

Like all EFS servers, it supports Avid project sharing and Blackmagic project sharing and integrates natively with Adobe and Blackmagic panels.

Plus, FLOW is included for powerful asset management, ingest, and automation.

Scalable Storage Options

Start at 192TB or go all-in with nearly three-quarters of a petabyte in a single 2U node; there's an EditShare Ultimate EFS NVMe built to match your needs.

Whether scaling up for an enterprise media hub or deploying a compact powerhouse, this system delivers exceptional speed and capacity tailored to your workflow.

Real-World Applications: Extreme Power in Action

Unleash the Power of Film Restoration

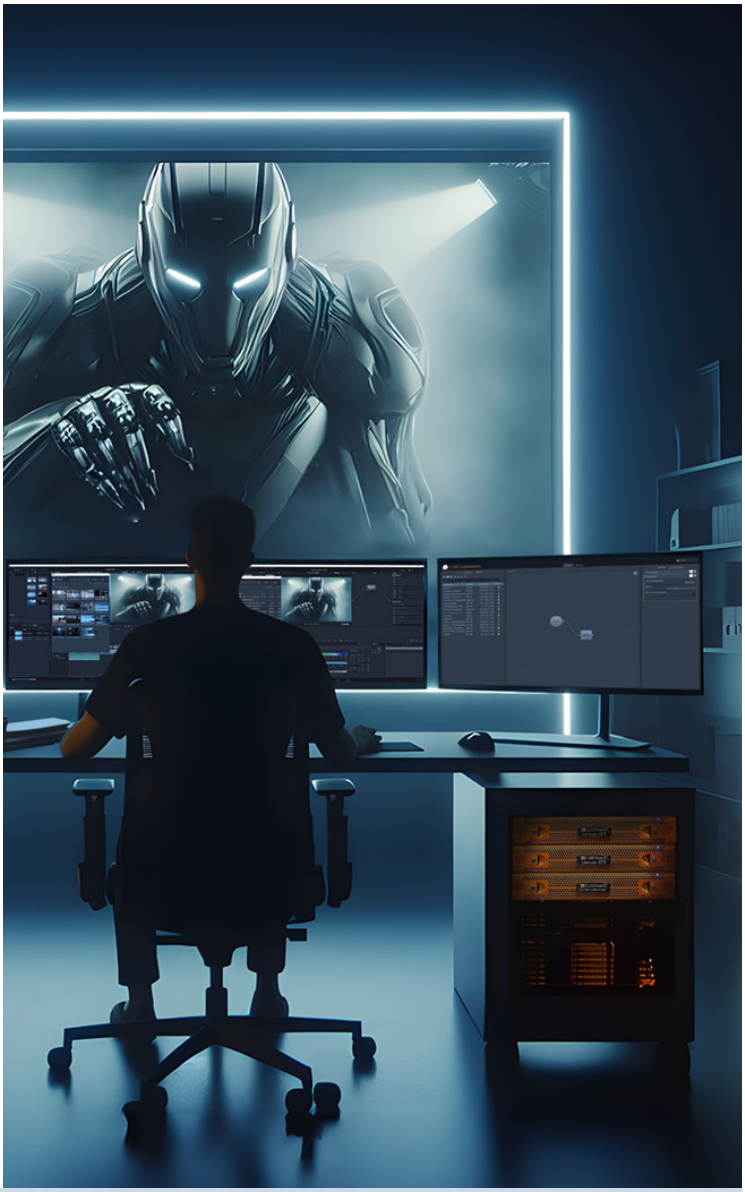
Pair the EditShare Ultimate NVMe Server with a high-resolution film scanner to create a real-time restoration powerhouse.

The unmatched read/write speeds allow high-resolution file per frame scans to be ingested directly from the scanner to EFS NVMe via 100GbE, simultaneously presenting it to multiple Resolve or other finishing editors doing editing and grading of that high bitrate file per frame content.

Supporting Hundreds of Concurrent Students on a Single 2U Server

Imagine a single 2U server handling the demands of an entire film school's student body. With its vast storage capacity and high-speed NVMe performance, hundreds of students can edit, render, and collaborate on projects simultaneously without performance drops.

This solution ensures no bottlenecks, no slowdowns, just uninterrupted creativity. Combine it up with a 60NL and you have a DR and back up for all your content.



Performance and Sustainability: A Greener, Smarter Choice

Beyond power and performance, the EditShare Ultimate EFS NVMe is designed with sustainability in mind. Lower heat output, increased density, and lower electricity consumption mean studios and production houses can cut operational costs while delivering superior results.

It's a solution built not just for speed, but for efficiency and environmental responsibility. Multiple creators sharing one node minimizes hardware needs and energy use.

Ready to Redefine Your Media Workflow

The new Ultimate EFS NVMe delivers industry-leading performance, groundbreaking throughput with total aggregate reads exceeding 24GB/s, and massive storage in a compact 2U footprint.

Whether tackling file-per-frame workflows, high-resolution film scanning, or large scale education deployments, this is the next step in ultra-high-performance media infrastructure.

EFS NVMe 2U Node Front

ELECTRICAL	
Input Voltage	100 - 240 VAC
Input Frequency	50/60 Hz

DIMENSIONS	
Width/Height/Depth	430 x 88 x 680 mm
Width/Height/Depth	17 x 3.5 x 26.8 in

ENVIRONMENTAL	
Operating Temperature	0°C (32°F) - 50°C (122°F)
Operating Humidity	5% - 95%, non-condensing
Storage Temperature	-20°C (-4°F) - 60°C (140°F)
Storage Humidity	5% - 95%, non-condensing

HARDWARE SPECIFICATIONS

- 2U chassis with tool-less slide rails
- Motherboard with high-performance 5th gen Xeon 12-core CPU (Emerald Rapids)
- 128 GB DDR5 ECC high-speed RAM
- Mirrored (hardware RAID 1) 480GB SSD OS drives, hot-swappable
- 3x NVMe hardware RAID controllers with RAID 5 and write cache protection
- 24 enterprise-grade U.2/U.3 NVMe SSDs in configurations from 184TB up to 737TB raw
- Hot-swappable power supplies, fans, and drives
- Standard dual-port 100GbE QSFP28/56 ethernet + dual port 1G-BaseT ethernet
- IPMI management port RJ45

MODELS AND OPTIONS

MODEL	RAW CAPACITY (TB/TiB)	USEABLE CAPACITY COPY 1 (TB/TiB)
Ultimate EFS NVME 184	184/167	161/146
Ultimate EFS NVME 368	368/335	322/293
Ultimate EFS NVME 737	737/670	645/586

Optional networking: Dual/quad port 10GbE RJ45, Dual/quad port 10/25GbE SFP+/SFP28

SOFTWARE SPECIFICATION

- EditShare OS 64-bit Operating System
- EFS Native Client driver for Windows, macOS, and Linux
- Supports Native EFS or SMB, and other protocols
- Integrated support for Avid/Blackmagic project sharing, Adobe/Blackmagic panels
- Includes FLOW Asset Management, 10/2 FLOW ingest licenses with Automation engine