

**EFS 210**

High-performance media storage designed for boutique and medium-sized agencies.



Ultimate EFS 210 Media Production Storage

The latest generation of media-optimized, scale-out shared storage, the Ultimate EFS 210 delivers the benefits of the EditShare File System in a compact format that meets boutique creative facilities' capacity and budget needs. Its modular design offers easy scalability, enabling organizations to expand capacity and bandwidth by simply adding storage nodes as their requirements grow. The 210 provides more bandwidth, more stream counts and more processing power than previous EFS generations of a similar size.

Whether configured as a single, entry-level 32TB node or a fully expanded 432TB 3-node cluster, the EFS 210 maintains a unified namespace for seamless management. This simplifies administration by eliminating the need to balance user workloads across volumes or workspaces and removes the complexity of creating multiple user accounts or permission sets.

The Ultimate EFS 210 utilizes the EFS Native Client, a multi-threaded driver designed for low overhead and latency, delivering exceptional performance across Windows, macOS, and Linux workstations. Its support for bonded Ethernet ports enhances the capabilities of 10G networks by accommodating payloads beyond standard bandwidths, while also enabling fault-tolerant MLAG protocols to eliminate single points of failure related to network switches.

In multi-node EFS 210 clusters, the EFS Native Client enhances performance by enabling parallel data transactions between workstations and storage nodes, preventing the common "hot

spots" found in NAS clusters. Depending on the number of nodes, the EFS 210 can support XOR and COPY protection schemes, allowing it to tolerate the failure of one or more storage nodes. Additionally, Editshare SwiftRead allows workstations to retrieve data from other parts of the cluster when a storage node is congested or unavailable.

A Complete Post Production Environment

The EFS 210 stands out from other storage solutions with its rich, enterprise-grade feature set. In addition to offering ultra-reliable, scalable, high-performance storage, it includes powerful applications to streamline video production workflows. The system, designed to ensure guaranteed bandwidth and stream counts, scales as your system expands.

FLOW Asset Management is a robust, comprehensive application for managing media. Pre-installed for file-based ingest, logging, cataloging, searching, and sequence editing features, it supports Avid Media Composer, DaVinci Resolve, Adobe Premiere Pro, and other NLEs. It includes features such as integrated NLE panels and a full suite of web-based tools through the intuitive EditShare One user interface.

ARK Media Archive is also bundled with the EFS 210, allowing users to automate the backup of critical media assets to LTO-9 tape storage. Additionally, ARK enables users to restore backup directly to the production storage. A proxy of all your archive media is always kept online to restore backup data sets directly to your production storage, or use FLOW to restore individual clips.

EFS Control is a comprehensive application that enables system administrators to manage users, permissions, quotas, workspaces, projects, reporting, and other aspects of system usage.

EditShare Connect is a powerful client software application that facilitates collaboration between project members. In addition to providing access to permitted media assets and workstations, it enforces quotas, read and write permissions, and implements project sharing and bin locking.

NLE and VFX Agnostic Ultimate EFS nodes have been designed to integrate with any creative or visual effects software without compatibility issues. This allows multiple tools to coexist and function in harmony within the same EFS environment. Additionally, there are no client-per-seat licenses, ensuring all users can access the system without extra licensing costs.

EditShare Swift Link allows secure, collaborative remote work by transforming on-premise storage into a private cloud. Users can mount media spaces on their remote devices use FLOW panels to find clips, and the system automatically adjusts for latency to ensure optimal performance.

EditShare Swift Sync enables high-speed, secure synchronization of media and projects between EFS nodes in different locations. Shoot on set with the Ultimate Field Unit and sync dailies back to base. It's ideal for organizations or broadcasters with regional offices looking to share content across locations easily.

EFS 210 Scalability

EFS 210 also allows you to add dual standalone Metadata Controllers to support a fault-tolerant, high-availability, no single-point-of-failure architecture in conjunction with our XOR data storage protection scheme. FLOW production nodes can be added to build out the FLOW microservices architecture.



Ultimate EFS 210 Front



Ultimate EFS 210 Rear

Ultimate EFS 210 Product Information

MODELS AND OPTIONS

2U Node

- 2U Server with 8 enterprise grade HDD, select 32, 64, 96, 144TB raw capacity
- Mirrored SSD OS drives with hardware RAID 1 failover
- Select dual port 10G-BaseT RJ45, dual port 10G SFP+, dual port 25G SFP28
- 4 port 25 GbE, SFP28, dual port 100 GbE, QSFP56
- Includes FLOW Asset Management application, 5/1 FLOW/FLOW ingest licenses, ARK Media Archiving application

HARDWARE SPECIFICATION

- Next-generation 2RU chassis with 28" tool-less slide rail
- Motherboard with powerful multi-core Xeon CPU
- 64 GB DDR5 - 4800MHz ECC High Speed RAM
- Mirrored 480GB SSD OS drives, hot-swappable, rear-accessible
- PCIe 4.0 Hardware RAID Controller with RAID 6 and cache protection module
- Media drives: 8 enterprise-grade 6Gb/s SATA HDDs in 4, 8, 12, 8 or 18TB capacities
- Hot-swappable power supplies, fans, media and OS drives
- Standard dual port 1G-BaseT RJ45
- IPMI management port RJ45
- Options, dual port 10G-BaseT RJ45, dual port 10G SFP+, dual port 25G SFP28 4 port 25 GbE, SFP28, dual port 100 GbE, QSFP56
- Dual redundant auto-switching power supplies

SOFTWARE SPECIFICATION

- EditShare OS (Ubuntu) 64-bit Operating System
- EFS Native Client driver for Windows, Mac OS and Linux
- Supports Native EFS or SMB network, and other protocols

Technical Specifications

ELECTRICAL

Input Voltage	100-240 VAC
Input Frequency	50/60 Hz
Power Supply	2U 800W 1+1 redundant

ENVIRONMENTAL

Operating Temperature	0°C(32°F) ~ 50°C (122°F)
Storage Temperature	0°C(32°F) ~ 50°C (122°F)
Storage Humidity	5% ~ 95% non-condensing

DIMENSIONS

Width/Height/Depth	430 x 88 x 680 mm 16.9 x 3.46 x 26.8 in
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For more information on the Ultimate EFS 210 unit, reach out to us at sales@editshare.com or visit our website.

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