EditStor EO™

ACCELERATING MEDIA WORKFLOWS

From Edit to Archive, creative professionals can rely on EditStor EO for their entire media workflow. This complete feature rich shared storage system is about much more than just storing, creating, and sharing; it facilitates the flow, conversion, and management of media within the production workflow. Designed specifically for media workflows, EditStor EO delivers the most comprehensive set of media management tools for video and audio workflows.

KEY BENEFITS:

MULTI-PLATFORM
Multi read and write across MAC, Windows, and Linux workstations, enabling complete compatibility with Final Cut Studio, Avid Media Composer, and other leading editing tools.

COMPLETE DATA PROTECTION
High speed, high availability RAID controller brings full hardware RAID protection (at levels 0, 1, 3, 5, 6, 50, and 60).

PROJECT SHARING
Sharing of storage and projects that is transparent to Avid MediaComposer systems and requires no changes to Avid Workflows. Mac and PC

STORAGE AND VOLUME EXPANSION
Hot pluggable expansion chassis' can be added and shared volume sizes can be increased on the fly with a simple web based administrator interface.

RICH MEDIA MANAGEMENT TOOLSET
Advanced features allows for automated backup, replication of media to second system, and user security and access.

Transparent Avid® Project Sharing



EDITSTOR MODEL	ESO-32TB	ESO-64TB	ESO-96TB
Total Storage	32TB	64TB	96TB
Usable Storage*	24TB	51TB	82TB
Drive Size	2TB	4TB	6TB

*Usable Storage is the amount of RAID 5 protected storage less the failover hot spare. The usable capacity can vary based on type of configuration.

With the high bandwidth and fast processing, yet with the security of RAID 5 protection, all media professionals utilizing such creative tools as Adobe Premiere® and After Affects®, Avid Media Composer® and ProTools®, Apple Final Cut Studio®, Autodesk Smoke®, and other popular finishing tools, can greatly benefit. EditStor EO takes advantage of low cost standard Ethernet network protocols, while also enabling the fast growing utilization of 10Gig networking (as well as the future of 40Gig networking). From simple compressed HD workflows to uncompressed high definition and demanding digital intermediate (2K/4K) workflows, the answer is in EditStor EO. While four (4) 10GigE ports is standard on EditStor, you can now directly connect up to 16 workstations, via 10GigE or GigE.

The flexibility of EditStor EO is truly unmatched for media workflows. With a comprehensive, yet easy to use, GUI, connecting up an unlimited number Windows, Macintosh and Linux clients is simple; there are no drivers, installers or client licenses required. EditStor EO supports industry standard IT file transfer protocols simultaneously for maximum connectivity to and integration of the servers and workstations that drive your workflow, including such devices as ingest & playout servers or asset management systems

Adding to this is a broad spectrum of media management features. This begins with ability to create shared volumes of any size while also having the convenience of being able to expand those volumes on the fly without downtime and performance degradation. EditStor EO expansion chassis can also be added to the same volume group or separate without shutting down or stopping work. This volume and storage expansion is all managed through a web based administrator interface without impacting the workflow. In addition, EditStor EO offers a comprehensive set of user and group management, as well as user security and access. This includes the support of both an internal or external LDAP protocol. Archion also extends sharing to projects with the APS Shareconnector™ Tool.

When it comes to the copy, migration and back up of your media, EditStor EO has all the automation tools of an enterprise storage server, including storage pools, volume replication and snapshot, data replication, volume manager, virtual tape volumes (created in the system), as well as direct and fast tape backup (LTO/LTFS) for long term archive. EditStor EO automates the back up of media to tape as well as the retrieval of media from tape

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TECHNICAL SPECIFICATIONS:

Storage
- Each EditStor EO is fully populated with high speed SATA 3.0 drives on a PCIe 3.0 bus for Max Throughput
- EditStor EO comes in 32TB, 48TB, 64TB and 96TB capacities with the latest 6 GB architecture.
- The storage is preconfigured with RAID 5 and a hot spare for maximum protection.
- EditStor EO RAID controller with 6GB/s data transfer rate
- 512 gig of cache RAM tuned for Digital Video
- Supports RAID Levels 0, 1, 5, 6, 10, 50 and 60
- Hot pluggable expansion chassis with 16TB, 32TB, 48TB, 64TB and 96TB capacities

RAID Operation
- RAID is configured and tuned for digital video over IP
- Automatic failover and rebuild is pre-configured. Global hot spare covers all drives

GigE and Host Connections
- Comes standard with 4 optical ports (10 GigE)
- Upgrade options include up to three additional 4 port 10GigE optical cards or 4 port GigE cards Maximum of 16 ports.
- Web based configuration GUI for headless operation. No need for Monitor, keyboard or mouse for operation
- Configured for either direct connect or multiport switch
- Supports load balancing and jumbo frames for maximum throughput
- Sharing with up to 16 clients without Ethernet switch

Storage Management
- S.M.A.R.T. with E-Mail Notification
- Support for Logical Volumes over 16 TB
- Multiple Snapshots (multiple active snapshots per one LV at time)
- Multiple Logical Volumes and Groups
- Online Logical Volume Expansion
- Support for Online Capacity Expansion
- Built-in, SNMP based monitoring system

Network Storage Features
- Windows Active Directory / Primary Domain Controller
- Support for Network Information Service (NIS)
- Internal and External LDAP
- Avid Project Sharing
- File System with Journaling Support
- User and Group Quota Control
- Antivirus

Backup Utilities
- Local Backup
- Integrated Backup System
- Virtual Tapes
- Support for Tape Libraries, Autoloaders
- Tape Retention Time
- WORM Support (Write Once Read Many)
- NDMP v3.0 Support (Network Data Management Protocol)
- USB Storage Support for Dynamic Disk
- Backup-Agents (Backup Exec®, Retrospect®, BrightStor®…)

Cooling
- Redundant, hot-swappable fans with automatic speed control and front to back cooling.
- Built-in environmental management for constant optimal temperature control of entire chassis

Electrical
- Three redundant hot-swappable power supplies (750W) universal input (100-240V AC)
- Maximum input current 6A at 100-120V or 3A at 220-240V
- Frequency: 47Hz to 64Hz, single phase
- Power Usage: 400W typical continuous power, 500W maximum continuous power.
- RoHS compliant

Environmental requirements
- Operating Temperature 5C to 35C
- Non-operating/Storage -40 to 70C
- Relative humidity (non-operating): 95% at 30C non-condensing

Dimensions and Weight
- Height: 3RU rackmount
- Width: 17 inches (43.2 cm)
- Depth: 27.875 inches (70.8 cm)
- Fits industry standard 19 inch rack for 30 to 36 inches deep.
- Weight 100 lbs (45.3 kg)

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