

Archion's EditStor ES makes media sharing easy and affordable for creative professionals utilizing Final Cut Studio®, Avid Media Composer®, Adobe CS5®, Sony Vegas®, and other popular media creation tools. 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.

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. (Available Q3)

VOLUME EXPANSION

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.



EDITSTOR MODEL	ESS-8TB	ESS-16TB	ESS-32TB
Total Storage	8TB	16TB	32TB
Usable Storage*	6TB	12TB	24TB
Drive Size	500GB	1TB	2TB

*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.

EditStor ES is a complete self contained shared storage system that is loaded with rich media management tools for video and audio workflows and takes advantage of low cost standard Ethernet network protocols. The simplicity of set up and integration is unmatched; connect power and Ethernet, turn the unit on and just type the IP address into a browser. Immediately you are ready to configure and start sharing media across Windows, Macintosh, and Linux platforms. There are no drivers, installers, or client licenses required.

EditStor ES delivers superior media workflow flexibility. With file level sharing, all users can simultaneously read and write to the same volumes. Users can create shared volumes of any size and are then able to expand volumes on the fly. This volume expansion is all managed through a web based administrator interface without impacting the workflow. In addition, EditStor ES sharing will extend to projects for the most popular editing tools. Avid project sharing will be transparent to the Avid MC system and will require no changes in the Avid workflow. Project sharing for Final Cut Studio and Adobe will also be available.

Adding to this functionality is a rich media management feature set. EditStor ES has all the automation tools of an enterprise storage server, including storage pools, volume replication and snapshot, data replication, volume manager, and support for tape backup systems as well as virtual tape volumes created in the system. In addition, EditStor ES supports user and group management, user security and access, and industry standard IT protocols to deliver maximum connectivity to the workstations that drive your workflow.

The EditStor ES comes standard with hardware RAID protection and 4 ports of 1Gb Ethernet which can either be directly connected to 4 clients or can be connected to a standard Ethernet switch infrastructure. These 4 ports provide up to 400 MB/second bandwidth. With the addition of a second optional 4 port GigE card or a single 10 Gb Ethernet card, bandwidth can be significantly increased up to 800 MB/second and 1000 MB/second respectively. With these throughput figures, EditStor ES easily supports compressed workflows, including DNxHD, ProRes, and Quicktime protocols, and can be configured to support uncompressed SD or HD workflows. An unlimited number of users can be connected through standard Ethernet switch infrastructure and is only limited to the total amount of bandwidth available in the system.

TECHNICAL SPECIFICATIONS:



Storage

- Each EditStor ES is fully populated with high speed SATA II drives.
- EditStor ES comes in 8TB, 16TB and 32TB capacities with the latest 6 GB architecture.
- The storage is preconfigured with three 5 drive RAID sets and a hot spare for maximum protection.
- EditStor ES 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



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 ports of GigE
- Upgrade options include a second 4 port GigE card or a 10GigE card for uncompressed workflows.
- 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 8 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

- Support for ADS, PDC, SMB shares, NFS, FTP, and AFP
- 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)

EditStor ES™

SIMPLIFYING MEDIA WORKFLOWS

