EditStor Omni

SHARED STORAGE FOR ALL EDITORIAL WORKFLOWS

EditStor Omni provides creative facilities a single networked storage solution for all their high performance media collaboration needs. From 4K to 6K (and even 8K) media files, to every day compressed video and audio streams, Omni has the performance and capacity to handle it all. Omni is setting new standards for demanding post production workflows

KEY BENEFITS:

EXTREME SPEEDS
Over 4000 MB per second of bandwidth utilizing 12 Gig storage technology available with 10 gig optical and 10 gig copper. (40 GIgE optional)

MULTI PROTOCOL & OS
Sharing of files over multiple protocols, including AFP, NFS and SMB, for greater sharing efficiency across Mac, Windows and Linux operating systems

USERS AUTHENTICATION
Windows Active Directory, internal/external LDAP and more advanced users and groups control

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.



EDITSTOR OMNI	OM-48TB	OM-72TB	OM-96TB	OM-144TB
Total Storage	48TB	72TB	96TB	144TB
Usable Storage*	38TB	60TB	82TB	124TB
Drive Size	2TB	3TB	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.

It's time for media facilities to move on from the complicated and expensive SAN technology which require multiple servers to support metadata, SAN software and more while limiting important functionality. EditStor Omni's tremendous capabilities are delivered in a single, online high density networked storage server for simplicity and cost effectiveness. With 10GigE optical Copper connections standard and optional 40Gig (as well as just basic GigE copper), your storage technology can seamlessly blend in with your existing IT architecture.

Media facilities need to be prepared for highly demanding editorial requirements and EditStor Omni is solution to rely on. Finishing and compositing professionals have been mostly limited to local storage in the past because networked storage could not provide the provide the necessary speeds, management and affordability. With 4-fold or greater increase over HD, 4K play back is a challenge for most networked media storage systems. Omni is different and delivers the throughput, IOPS and performance optimized storage technology to address the demands of high bandwidth networking.

EditStor Omni is your ultimate compatibility and collaborate engine with interoperability for all the favorite production tools - including 4K cameras from AJA, ARRI, Blackmagic, RED, Sony and more - as well as all the editorial applications - such as Adobe Premiere® and After Affects®, Avid Media Composer® and ProTools®, Apple Final Cut Studio®, Autodesk Smoke® and Flame, Blackmagic Resolve, and other popular finishing tools.
The flexibility of EditStor Omni 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. 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 Omni expansion chassis can also be added to the same volume group or separate without shutting down or stopping work

A 4K digital workflow is both possible and affordable with EditStor Omni.

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TECHNICAL SPECIFICATIONS:

Storage
- Each Editstor Omni is fully populated with high speed SATA 3.0 drives on a PCIe 3.0 bus for Max Throughput
- EditStor Omni comes in 48TB, 72TB, 96TB and 144TB capacities with the latest 12 GB architecture.
- The storage is preconfigured with RAID 5 and a hot spare for maximum protection.
- EditStor Omin RAID controller with 12GB/s data transfer rate
- 64 gig of system RAM for fast processing
- 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 48TB, 72TB, 96TB and 144TB 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)
- Comes standard with 4 1000BaseT 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 50 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
- Avid Project Sharing
- File System with Journaling Support
- User and Group Quota Control
- Antivirus

Backup Utilities
- Local Backup
- Integrated Backup System
- 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
- Dual redundant hot-swappable power supplies (950W) universal input (100-240V AC)
- Maximum input current 4A at 100-120V or 5A at 220-240V
- Frequency: 47Hz to 64Hz, single phase
- Power Usage: 400W typical continuous power, 700W 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: 4RU 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 150 lbs (68 kg)

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