

High-Performance Modular Storage For Post Production Workflow



Highlights

- Industry's best performance value with affordable capacity
 - Low latency, high performance for streaming workloads; both ingest and playback
 - Scalable modular systems to add controllers, expansion trays or drives, without disrupting service
 - Mirrored caching, coupled with 6Gb/s SAS front-to-back capable of handling mixed large block sequential and small block random metadata
 - (48) Seagate 6Gb SAS 10k, 2.5" drives
 - ATTO Celerity 84EN dual channel 8-Gb, PCIe2.0 x8, 1.41MP Driver
 - Apple MacPro with OS 10.6.6
 - Apple Final Cut Pro (FCP) certified
-

Increase digital media performance with high availability and high scalability modular storage for Mac OS X

The transition to HD, emerging distribution channels over the web and the ease of user generated video are all driving the growth of rich media content causing the increased demand for affordable enterprise storage. Video professionals and content developers are seeking high performance storage to meet the challenges of the Apple post production workflow environment including handling massive amounts of raw data, multiple users accessing data and aggressive deadlines.

ATTO, StorNext and IBM have partnered to deliver a High Performance Digital Media Solution using the IBM System Storage DS3500. The solution is targeted for all phases of the collaborative workflows from capture, ingest, editing, storage, and management of your media files. The DS3500 with its modular, innovative design offers scalability to add controllers, expansion trays or drives (24, 48, 96, 192) all without disrupting service. The system's balanced and sustainable performance allows it to reliably support both random access and sequential access intensive workloads.

Together, IBM, in conjunction with StorNext and ATTO provide a winning solution with speed, power, redundancy, and shared storage with no limitations.



Single Mac workstation performance when connected to DS3500

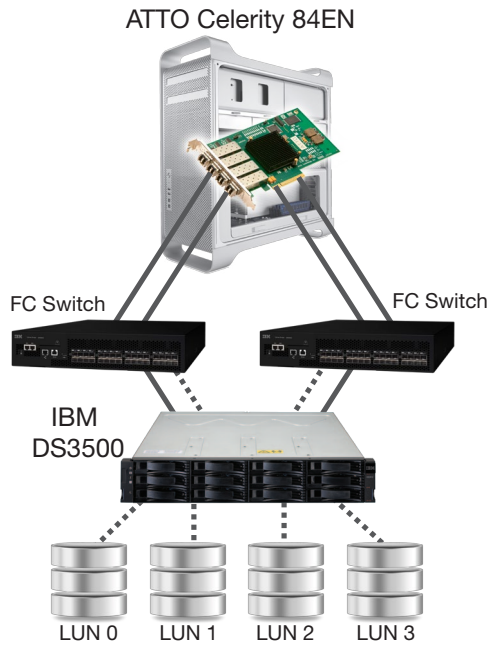
AJA video stream performance calculator*

DVCPProHD 1080i50	Reads: 55.7 streams	Writes: 45.4 streams
DVCPProHD 1080i60	Reads: 58.3 streams	Writes: 47.6 streams
1920 x 1080i (8-bit)	Reads: 14.4 streams	Writes: 10.2 streams
1920 x 1080i (10-bit)	Reads: 11.8 streams	Writes: 8.2 streams
1920 x 1080 (10-bit RGB)	Reads: 8.5 streams	Writes: 5.8 streams
2048 x 1556 (10-bit RGB)	Reads: 6.1 streams	Writes: 4.4 streams

Actual video performance using Final Cut Pro

1920 x 1080 (10-bit RGB)	Reads: 6 streams
--------------------------	------------------

* Runs IO that simulates video and calculates the number of concurrent streams that can be run through a storage system



©Copyright IBM Corporation 2010

IBM Systems and Technology Group
Route 100
Somers, NY 10589

Produced in the United States of America
August 2011
All Rights Reserved

IBM, the IBM logo, ibm.com and System Storage are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol ("®" or "™"), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at ibm.com/legal/copytrade.shtml.

This document could include technical inaccuracies or typographical errors. IBM may make changes, improvements or alterations to the products, programs and services described in this document, including termination of such products, programs and services, at any time and without notice. Any statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only. The information contained in this document is current as of the initial date of publication only and is subject to change without notice. IBM shall have no responsibility to update such information.

IBM is not responsible for the performance or interoperability of any non-IBM products discussed herein. Performance data for IBM and non-IBM products and services contained in this document was derived under specific operating and environmental conditions. The actual results obtained by any party implementing such products or services will depend on a large number of factors specific to such party's operating environment and may vary significantly. IBM makes no representation that these results can be expected or obtained in any implementation of any such products or services.



For more information

To learn more about the [IBM System Storage DS3500 Series Disk Systems](http://ibm.com/systems/storage/disk/ds3500), please contact your IBM marketing representative or IBM Business Partner, or visit: ibm.com/systems/storage/disk/ds3500