accelstor

MAXIMIZED MEDIA PRODUCTION WORKFLOW

EMBRACE ALL-FLASH ARRAY FOR BETTER PRODUCTIVITY

Work faster, more efficiently, and with better storage space utilization. Immediately improve the overall performance of your media production workflow, including ingestion, non-liner editing in 3D, SD, HD, 2K, 4K and even 8K, as well as rendering and broadcasting, all with maximized use of storage. Focus on your media production projects – and let our AccelStor All-Flash Array Solution handle the data workload!

NeoSapphire All-Flash Array

FlexiRemap®: Stunning Performance for All Stages of Media Production

The storage performance demand for processing media content creation requires a combination of random throughput (MB/s) and random IOPS. NeoSapphire All-Flash Arrays are built with AccelStor FlexiRemap® technology, re-defining storage performance to handle the media content creation process far better than conventional disk arrays.

Throughput intensive workflow

Ingest | Non-Liner Editing | Broadcast

SSD performance

HDD performance

10+ times FASTER

* One SSD vs.one NL-SAS HDD under random 1MB read workload

IOPS intensive workflow

Transcode/Render

SSD performance

HDD performance

150+ times FASTER

* One SSD vs. one NL-SAS HDD under random 4KB read workload

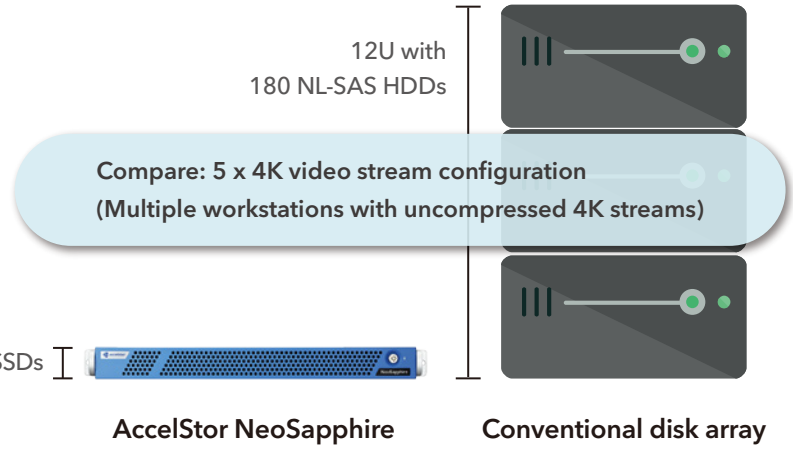
Optimum Space Utilization and Amazing TCO

91%

REDUCTION IN PHYSICAL SPACE

98%

REDUCTION IN POWER USAGE



Use Case

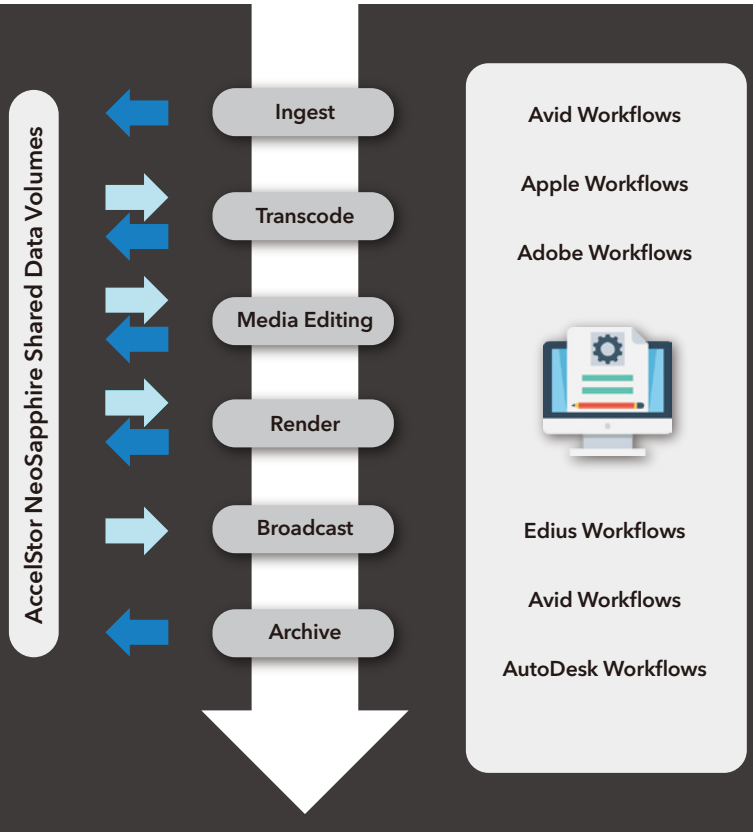
You can:

Deploy dedicated high-performance shared data volumes from AccelStor All-Flash Storage Array to increase overall workflow performance

You can also:

Deploy AccelStor All-Flash Storage Array to achieve high-performance tier for shared data volumes and enhance media accessibility*

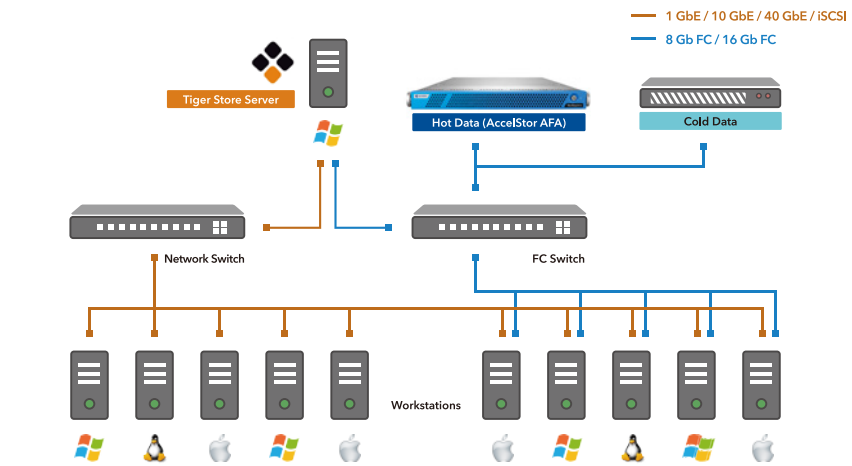
* Must deploy Tiger Serve/Tiger Store, StorNext or third-party appliance/ software supporting tiering functionality.

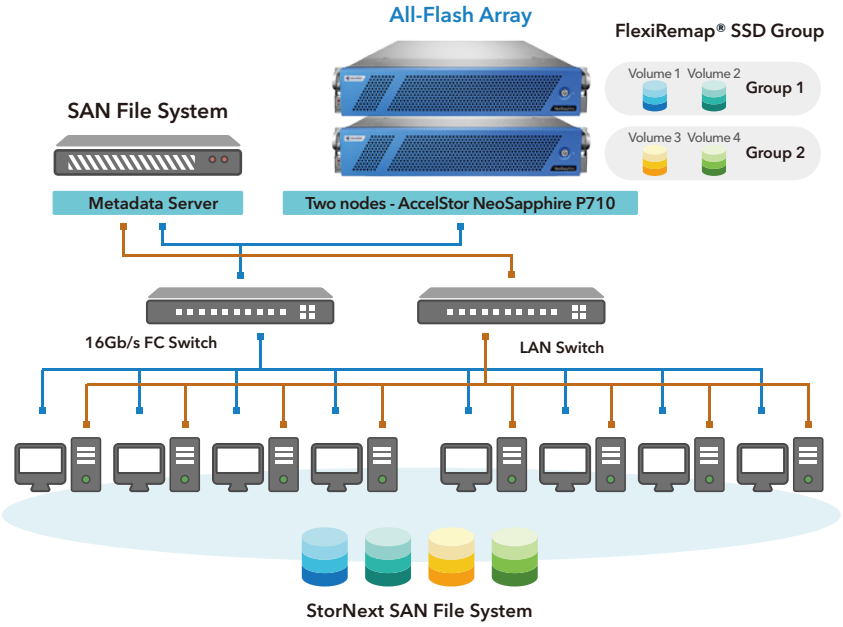


Partnered with Tiger Technology for Top-Notch Media Production Solutions

"AccelStor all-flash arrays provide the extreme performance needed for 2K, 4K, UHD and even 8K content production. The combination of AccelStor all-flash arrays with Tiger's advanced yet simple storage and workflow management creates an ideal solution to meet the demands of high-resolution media production." said Angus Mackay, Tiger Technology Marketing Director.

Tiger Store and AccelStor All-Flash Array Solution





Test Environment under Real World Condition

We simulate eight editing workstations as multiple media editing environment with 16Gb/s FC SAN file system configuration.

The function of Metadata server is that making block level volume to become shared volume to make all editing workstation recognize same volume and share media materials.

The tested benchmark tool is System Test v12. 5 builds on AJA's extremely popular System Test software, which has been used throughout the industry to provide accurate and detailed evaluations of drive performance statistics

Experience the Tremendous Performance in Multiple Workstation Environment

Dual Node AccelStor NeoSapphire P710 (FC)
Uncompressed video format performance

AJA Throughput Performance (MB/s)					
Resolution	Codec	FPS	Data Rate (MB/s)	Read	Write
HD 1280x720	10bit RGB	30	106	8,254	6,654
HD 1920x1080	10bit RGB	30	237	8,330	7,606
2K 2048x1556	10bit RGB	24	300	8,480	7,722
4K 4096x2160	10bit RGB	24	810	8,414	7,600
4K 4096x3112	10bit RGB	24	1,740	8,394	7,794
Supported Stream Number					
Resolution	Codec	FPS	Data Rate (MB/s)	Read	Write
HD 1280x720	10bit RGB	30	106	77	62
HD 1920x1080	10bit RGB	30	237	45	32
2K 2048x1556	10bit RGB	24	300	28	25
4K 4096x2160	10bit RGB	24	810	10	9
4K 4096x3112	10bit RGB	24	1,740	4	4

AccelStor NeoSapphire All-Flash Array that Maximized Your Media Production Workflow

If you are looking for
2K/4K even 8K media entertainment storage solution!

If your team needs ***high speed shared volume!***

If you are compromising with
performance and compel to deploy stand-alone configuration!

Contact us

www.accelstor.com | inquiry@accelstor.com

NeoSapphire All-Flash Array
Media Production Selection Guide

- *Professional Models*
- *High Availability Models*

Model Name	NeoSapphire 3706	NeoSapphire P710
Storage Controller	High Availability Model	Professional Model - Single Node
Form Factor	2U 24-bay	2U 24-bay
Ingesting Performance	1,500 MB/s	3,800 MB/s
Non-Linear Editing Performance (SD, HD, 2K, 4K)	3,298 MB/s for random read (4 x 4K uncompressed streams) 1,588 MB/s for random write	4,207 MB/s for random read (5 x 4K uncompressed streams) 3,897 MB/s for random write
Composing Performance (SD, HD, 2K, 4K)		
Render Farm Performance	500K IOPS for random read 360K IOPS for random write 3,298 MB/s for random read 1,588 MB/s for random write	900K IOPS for random read 700K IOPS for random write 4,207 MB/s for random read 3,897 MB/s for random write
Broadcasting Performance	3,298 MB/s for random read	4,207 MB/s for random read