



Competitive Benchmark - FastFrame



Overall Best Stream Counts for Mac® with ATTO FastFrame NS-12 10GbE Network Interface Card vs. Myricom and Chelsio

Overview

Video accessibility and manageability is becoming increasingly important to video editing workflows. Just as storage performance can dictate the success of any given project, a 10GbE Network Interface Card (NIC) can relay data over greater distances when compared to direct attached connectivity (without sacrificing speed). Testing NICs using AJA's System Test measurement tool provides actual performance in a video workflow. AJA's System Test tool shows which product provides the highest stream counts in several different video formats.

Configuration

Test Tool

- AJA System Test

Platform

- Mac Pro 5.1 Six Core Intel Xeon Processor @ 2.8Ghz
- 6GB RAM
- ATTO FastFrame NS12 Dual-Channel 10GbE PCIe 2.0 Network Adapter
- Chelsio T420-CR 10GbE Dual-Channel 10GbE PCIe 2.0 Network Adapter
- Myricom 10G-PCIE2-8C2-2S Dual-Channel 10GbE PCIe 2.0 Network Adapter

Storage

- Micron SSD Raid 0 Array, P300

Operating Platform

- Mac OS X Lion

Results

The ATTO FastFrame NS12 offers up to a 15% higher stream counts with NTSC DV25, 25% with DVC ProHD and 30% with uncompressed HD compared to competitors. This means user can utilize:

- 18 additional NTSC DV25 streams.
- 4 additional DVC ProHD streams.
- 1 additional stream of uncompressed high definition video.

Summary and Conclusions

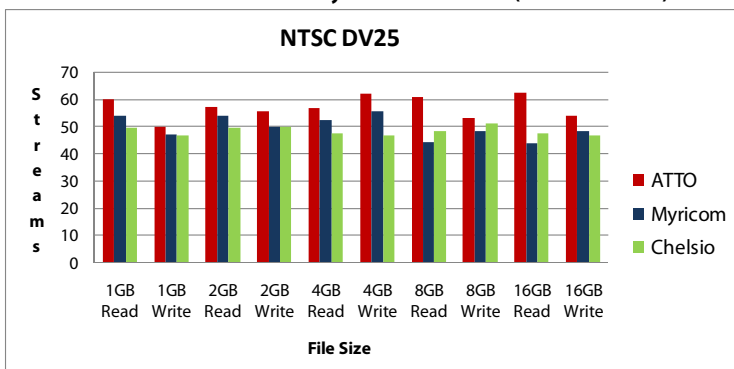
Whether NTSC DV25 or uncompressed HD, ATTO outperforms Myricom and Chelsio on the Mac platform. This benchmark shows that FastFrame achieves higher stream counts over competing solutions not designed for this market space. When additional streams are available, performance and content production improves due to a greater concentration of source material available to editors at one time.

With 10 Gigabit Ethernet backbones installed, companies have the capability to provide Gigabit Ethernet service to workstations and clients in order to support applications such as streaming video, medical imaging, centralized applications, and high-end graphics. ATTO designed FastFrame to maintain high performance by utilizing exclusive performance and latency management features like Advanced Data Streaming (ADS™) to ensure consistent performance. These differentiators make ATTO the premier choice for high-performance network interface cards.

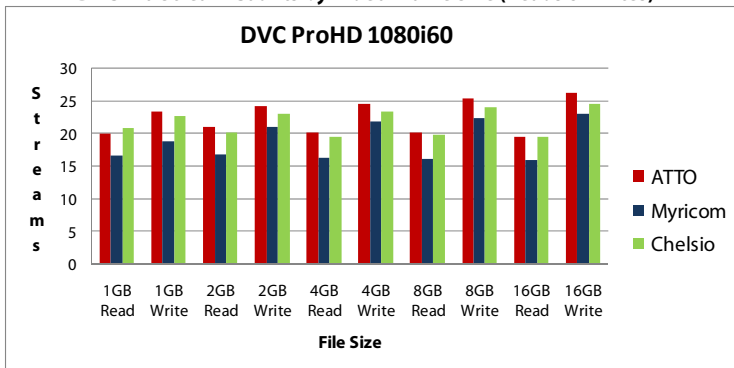
Video Stream Results

Comparative AJA System Test performance benchmark data:

NTSC DV25 Stream Counts by Video Frame Size (Reads & Writes)



DVC Pro Stream Counts by Video Frame Size (Reads & Writes)



1920x1080 10-Bit Counts by Video Frame Size (Reads & Writes)

