DS316

Professional Storage Solutions for Editing, Grading and Finishing

Key Features

Versatile Active SAN Platform

Features single or dual 8Gb/s Fibre Channel storage controllers optimized for high resolution HD/2K/4K capture, editing, grading and visual effects creation.

Enterprise-Class Reliability

The DS316 offers the highest level of reliability and scalability for media and broadcast applications. Redundant, load-balancing components deliver uninterrupted system availability.

Lower Storage Costs

Increase DS316 storage capacity by adding low-cost JBOD expansion enclosures.

VMware Certified Solution

DS316 is a VMware VSphere 5 certified solution for seamless integration with virtual and cloud computing environments.

Recommended for:

- Filmlight Baselight
- Davinci Resolve
- Autodesk Smoke, Flame
- SGO Mistika
- Digital Vision Nucoda
- Assimilate Scratch
- Side Effects Houdini
- Colorfront On-Set Dailies
- RED Cine-X Pro
- Adobe Creative Cloud
- Final Cut Pro X

Performance-driven storage solutions for 4K workflows

High performance center of your creative process

The DS316 delivers the ultimate in rock-solid system reliability, redundancy and unmatched performance for mission critical post production workflows. Available in single or dual active-active controller models, the DS316 provides users with continuous availability of media files at data transfer rates up to 3,000MB/s in RAID 5 mode. A dual-port, 6G SAS expansion bus offers massive growth capabilities by simply adding multiple 16-disk expansion nodes (up to 192TB). Extend compatibility with industry-leading Thunderbolt-to-FC bridging technology and add simultaneous support for both Fibre and Thunderbolt users.

Create, grade and render 4K media

The Supercharge your workflow with a storage solution that is ready for any project. With a sustained throughput of up to 3,000MB/s (RAID 5), the DS316 unlocks your workstation's true creative potential by giving facilities the option to take on a wider range of projects, formats and possibilities. From HD to 4K, the DS316 is the best storage solution for high resolution media formats such as DPX, RED R3D, ARRIRAW, Cinema DNG, uncompressed HD 4:4:4 and more. Create, grade and render with total confidence knowing your system is ready to meet the demands of your next big project.

Enterprise reliability for the creative business

At the heart of DS316F8 is lies the industry's most dependable RAID technology. Designed to meet the high demands of professional users, the DS316F8 represents Proavio's commitment to the cinema, broadcast, pro audio and VFX communities. The DS316F8 incorporates next generation RAID technology with powerful active-active storage engines that deliver unimpeded performance and reliability - critical in today's fast-paced post production environments. Proavio has been an integral part of leading post production and broadcasters worldwide, including FOX, NDR, Industrial Color, HBO, SONY and ABC.

Thunderbolt-ready solution

Proavio has partnered with ATTO Technologies, the industry's leading connectivity experts, to offer instant compatibility with today's Apple and Thunderbolt equipped systems. DS316F8 users can take full advantage of Proavio FC SAN storage solutions without compromising reliability or performance. Connect FC and Thunderbolt users to one centralized cost-effective solution.

PROAVIO®
Drive Your Creativity

Professional Storage Solutions for Editing, Grading and Finishing

DS316 Series Technical Specifications

	DS316F8	DS316JS
Max. Raw Capacity	256TB [1]	256TB [1]
Max. Drives	80 [2]	80 [2]
Form Factor	Dual (2) 8G FC Controllers 16-Disk, 3 RU	SAS JBOD Array for PCI-e RAID 16-Disk, 3 RU
Memory	8G	-
Data I/O Ports	(8) SFP, 8G FC	(3) SFF8088 6G SAS
Disk Support	● 6G 7.2K SAS (3.5") ● 6G 10K SAS (3.5") ● 6G/12G SAS SSD (2.5")	● 6G 7.2K SAS (3.5") ● 6G 10K SAS (3.5") ● 6G/12G SAS SSD (2.5")
Storage Protocols	8G Fibre Channel	6G SAS
RAID & Volume	● RAID level 0 (0+1) 5, 6 & JBOD ● Multiple array support ● Hot-swap drive support ● Global & dedicated spare drive assignment ● Online volume expansion	* With Optional PCI-e RAID Controller ● RAID level 0 (0+1) 5, 6 & JBOD ● Multiple array support ● Hot-swap drive support ● Global & dedicated spare drive assignment ● Online volume expansion
High Availability	● Dual-active RAID controller ● Flexible RAID group ownership management ● Multi-path & Load-balancing support	NA
Infrastructure Support	Direct Attached or SAN	Direct Attached
Host OS Support	Windows 7, Windows Server 2012, Windows Server 2008, Linux, Mac OS X, VMware® VSphere/ESX	
Performance	Up to 3,000MB/s	
Hot-swap Power	(2) 500W, 80 PLUS, load-balancing, hot-swap power modules	
Power Requirements	90~264 VAC 7.5A~4A, 47Hz~63Hz (each module)	
System Cooling	(2) Hot-swap smart fan modules	
Operating Temperature	50°F ~ 104°F	
Relative Humidity	10% ~ 85% Non-condensing	
Weight	78 lbs	
Dimensions	(L) 23.22" x (W) 19" x (H) 18.97"	
Compliance	RoHS, CE, TUV, FCC	

[1] Usable capacity will vary with filesystem and RAID settings   [2] Based on (1) DS316 storage system and (4) DS316 JBOD expansion Arrays

Learn more

Go to *http://www.proavio.com/* to find out more about PROVAIO® storage products and solutions.

How to buy

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