

Powerful 16G FC Storage Solution for Editing, Grading and VFX



Key Features

Versatile Active SAN Platform

Dual-active 16Gb/s Fibre Channel storage controllers optimized for high resolution 4K/5K capture, editing, grading and visual effects creation.

Enterprise-Class Reliability

The DS320FS 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 DS320FS storage capacity by adding low-cost JBOD expansion enclosures.

VMware Certified Solution

DS320FS 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 16G FC storage for media and VFX creation

Make the DS320FS the centerpiece of your editing, color grading or visual effects studio. The DS320FS features an easy-to-use hardware design which allows users to spend more time being creative and less time optimizing computer technology to meet their unique workflow demands. Empower your workstation with the speed and reliability needed for today's high-resolution post production and VFX workflows. Achieve smooth, real-time playback of complex visual effects compositions, preview projects at full native resolution and gain higher track counts in the edit process - all while enjoying fail-safe RAID protection of your most valuable digital assets.

Optimized for high resolution workflows

Supercharge your workflow with a storage solution that is ready for any project. With a sustained throughput of up to 4,000MB/s (RAID 5), the DS320FS 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 DS320FS 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-class redundancy and reliability

At the heart of DS320FS is the industry's most dependable RAID technology. Designed to meet the high demands of professional users, the DS320FS represents Proavio's commitment to the cinema, broadcast, pro audio and VFX communities. The DS320FSF8 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. DS320FS 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.

Professional Storage Solutions for Editing, Grading and Finishing

DS320 Series Technical Specifications

	DS320FS	DS320JS
Max. Raw Capacity	256TB ^[1]	256TB ^[1]
Max. Drives	80 ^[2]	80 ^[2]
Form Factor	Dual (2) 16G FC Controllers 16-Disk, 3 RU	SAS JBOD Array for PCI-e RAID 16-Disk, 3 RU
Memory	16GB (8GBx2)	-
Data I/O Ports	(4) SFP, 16G FC	(3) SFF8088 6G SAS
Disk Support	<ul style="list-style-type: none"> ● 6G 7.2K SAS (3.5") ● 6G 10K SAS (3.5") ● 6G/12G SAS SSD (2.5") 	<ul style="list-style-type: none"> ● 6G 7.2K SAS (3.5") ● 6G 10K SAS (3.5") ● 6G/12G SAS SSD (2.5")
Storage Protocols	16G Fibre Channel	6G SAS
RAID & Volume	<ul style="list-style-type: none"> ● RAID level 0 (0+1) 5, 6 & JBOD ● Multiple array support ● Hot-swap drive support ● Global & dedicated spare drive assignment ● Online volume expansion 	<p>* With Optional PCI-e RAID Controller</p> <ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● 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 4,000MB/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) DS320 storage system and (4) DS320 JBOD expansion Arrays



Learn more

Go to <http://www.proavio.com/> to find out more about PROAVIO® storage products and solutions.

How to buy

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