



AVID NEXIS



Workflow-optimized tiered storage for real-time media production

Avid NEXIS® is the media industry's most comprehensive and reliable shared storage solution, offering flexible, scalable storage tiering on premises and in the cloud. Optimized and powered by Avid NEXIS | VFS (virtual file system) software to accelerate media production, it enables teams of hundreds to collaborate easily, efficiently, and securely across flash, online, nearline, and archive storage. It's the storage solution the industry relies on to help them adapt to the changing needs and unpredictability of today's media production.

BRING INTELLIGENCE TO YOUR MEDIA WORKFLOW

As the control center of Avid NEXIS, the Avid NEXIS | VFS file system virtualizes your hardware and/or cloud storage into a single pool of shared resources, providing automation intelligence to meet constantly changing workloads. From dynamically reallocating storage capacity and optimizing bandwidth to delivering protection with automatic drive rebuild, it provides the agile environment and reliability required for 24x7 operation.

ACCESS ASSETS FROM ANYWHERE

Browse, find, and share media and projects whether you're in the facility, on location, or at home, enabling easy collaboration and fast turnaround—no matter what video, audio, news, sports, or graphics production tool you use. With your organization's entire content library and archive within easy reach, you can even capitalize on new opportunities for media rediscovery and reuse.

GET UNMATCHED COLLABORATIVE PERFORMANCE

Enable hundreds of users to connect and access media simultaneously with Avid-patented technology that assures real-time media delivery to keep production running smoothly. Ingest, edit, and playout content to and from Avid NEXIS without dropping a single frame—even when working with high-res media in the most demanding broadcast and post-production environments.

DEPLOY AND SCALE YOUR STORAGE YOUR WAY

Gain more flexibility and choice for your media storage with an Avid NEXIS | FLEX Subscription. Get a lower cost of entry with on-premises, cloud, hybrid, and SaaS options available. Replace aging drives with powerful new Avid NEXIS F-series storage engines. Quickly scale your system to accommodate growing business, new projects, and remote teams. And transition production to the cloud more easily and cost-effectively.

GET PERFORMANCE WHEN YOU NEED IT MOST

The new Avid NEXIS | F2 SSD all-flash array delivers the high-speed performance needed for 4K and 8K finishing, VFX, DI, and color grading workflows. And it integrates easily with all other Avid NEXIS E- and F-series engines, providing the most efficient and comprehensive media storage workflow for all your production needs.

KEY FEATURES

- > Enable real-time and remote collaboration across flash, online, nearline, and archive storage tiers—on premises or in the cloud
- > Get a lower cost of entry with new Avid NEXIS | FLEX Subscription
- > Scale capacity and bandwidth with ease—up to 10 PB of total storage
- > Quickly adapt storage capacity, performance, and protection on the fly to meet changing requirements, without disruption or downtime
- > Safeguard all assets with the utmost security, reliability, and protection, including high-availability and media-mirroring options
- > Centralize your entire media library for faster, easier file search and access
- > Get performance on demand with the intelligent Avid NEXIS | VFS file system
- > Work with your favorite Avid and third-party tools, including Media Composer®, Pro Tools®, MediaCentral®, Adobe® Premiere® Pro, Autodesk Flame, and more
- > Simplify nearline workflows, keeping media within easy reach for rediscovery and reuse
- > Get the performance you need for 4K and 8K finishing, VFX, and more with an all-flash array
- > Control workspace access with folder-level permissions
- > Easily manage and monitor your system from anywhere using a computer or mobile device



FOR MORE INFORMATION, VISIT
avid.com/nexis





Aid NEXIS—Workflow-optimized tiered storage for real-time media production

FLEXIBLE SOLUTIONS FOR ALL YOUR WORKFLOW NEEDS

Mix and match Aid NEXIS F-series (and older E-series) engines into a single system for maximum performance and capacity, and scale both by adding more Media Packs. Aid NEXIS | F2, F2 SSD, and Aid NEXIS | PRO+ feature an embedded System Director for systems management, making these storage engines more affordable for smaller workgroups (note that PRO+/PRO engines cannot be connected to F/E-series engines). For larger scale deployments, high availability, and systems with F5/E5 and/or F5/E5 NL engines, the external System Director Appliance is required to boost your capabilities.

Aid NEXIS | F2 SSD (all-flash array)



For post-production facilities that require maximum media throughput for demanding 4K/8K finishing, color grading, and VFX workflows, Aid NEXIS | F2 SSD delivers the highest level of performance.

Aid NEXIS | F2



For small- to mid-size post-production, broadcast, audio, live event, house of worship, government, corporate, and media education environments, this team-level storage engine offers high redundancy and great scalability, performance, and collaboration.

Features

- > Aid NEXIS | VFS file system enables you to access, scale, customize, reconfigure, manage, protect, and secure your system
- > 38.4–307.2 TB of flash storage capacity per F2 SSD engine with up to two SSD Media Packs (all drives are hot-swappable), delivering 4 GB/s all READ and 2 GB/s all WRITE per Media Pack
- > Scalable from 38.4 TB to more than 9.8 PB of flash storage by combining up to 64 F2 SSD engines into a single scale-out system
- > Field-replaceable storage engine controller
- > Two mirrored SSDs for system configuration and metadata management
- > Dual 100 Gigabit Ethernet (100GbE)
- > Redundant power and cooling
- > 2U rack-mountable chassis

Base configurations

- > Single engine controller with 1 x 38.4 TB or 2 x 38.4 TB SSD Media Packs
- > Single engine controller with 1 x 153.6 TB or 2 x 153.6 TB SSD Media Packs

Options

- > Redundant Controller
- > 38.4 and 153.6 TB Media Packs
- > One or two hot spare SSD media drives



Avid NEXIS—Workflow-optimized tiered storage for real-time media production

Avid NEXIS | F2X



For facilities and teams working with Avid NEXIS | F2, this expansion unit for F2 enables you to expand capacity and performance while also providing two optional hot spare disks.

Avid NEXIS | F5



Designed for large-scale broadcast and post-production environments, this enterprise-level storage engine offers high redundancy, the highest level of scalability, performance, and client connections, and requires an external System Director Appliance.

Features

- > Adds an additional 60–140TB of storage capacity to F2 with a single Media Pack (60 TB, 100 TB, or 140 TB HDDs, offering up to 480MB/s scale out and 700 MB/s high-performance storage group)
 - > Two optional hot spare hard disk drives providing protection for all drives in F2X and the attached F2
 - > Redundant power and cooling
 - > 2U rack-mountable chassis
- > Avid NEXIS | VFS file system enables you to access, scale, customize, reconfigure, manage, protect, and secure your system
 - > 240 TB–1.12 PB of storage capacity with from 4–8 Media Packs (60 TB, 100 TB, or 140 TB HDDs, offering up to 3.84 GB/s of bandwidth)
 - > Scalable from 240 TB–8.96 PB by combining F5 with other F- and E-series engines into a single system with up to 64 Media Packs
 - > Modular field-replaceable storage engine controller
 - > Two hot-swappable SSDs for system configuration and metadata management
 - > Two hot spare hard disk drives
 - > 50 Gigabit Ethernet (50GbE QSFP+)
 - > Redundant power and cooling
 - > 5U rack-mountable chassis

Base configurations

- > Single expansion unit with 1 x 60, 100, or 140 TB Media Pack
- > Single engine controller with 4 x 60, 100, or 140 TB Media Packs
- > Single engine controller with 8 x 60, 100, or 140 TB Media Packs

Options

- > Redundant Controller
- > Redundant Controller
- > 60, 100, and 140 TB Media Packs



Aid NEXIS—Workflow-optimized tiered storage for real-time media production

Aid NEXIS | F5 NL



System Director Appliance



For Aid NEXIS-equipped, MediaCentral-enabled creative teams working in demanding broadcast and post-production environments, this high-density, disk-based, nearline storage engine streamlines the media workflow between active and non-active production and requires an external System Director Appliance.

- > The external SDA+ is available in two options and is required for any Aid NEXIS system that meets one or more of the following criteria:
 - > Requires more than 40 client connections
 - > Requiring five or more Media Packs (50 drives) across all networked engines
 - > Contains an Aid NEXIS | F5, E5, F5 NL, or E5 NL storage engine
 - > Requires mirror media protection

Features

- > Aid NEXIS | VFS file system enables you to access, scale, customize, reconfigure, manage, protect, and secure your system
- > 640 TB–1.28 PB of redundant nearline storage capacity with four to eight 160 TB Media Packs (offering 1 GB/s of bandwidth per engine)
- > Scalable from 640 TB–10.24 PB by combining multiple engines together; can also be combined with E-series Aid NEXIS engines
- > Field-replaceable storage engine controller
- > Two hot-swappable SSDs for system configuration and metadata management
- > 10 Gigabit Ethernet (10GbE SFP28)
- > Redundant power and cooling
- > 5U rack-mountable chassis
- > Enables a single Aid NEXIS system to support up to 24 Media Packs with a Standard license and up to 64 Media Packs with the Advanced license
- > Enables a single Aid NEXIS system to support more connected clients—up to 165 with an Standard license or up to 330 with an Advanced license
- > Aid NEXIS Mirror protection
- > Increases Aid NEXIS file count. Up to 28 million with Standard license and 175 million files with Advanced license.
- > Two mirrored hot-swappable SSDs for system configuration and metadata management
- > Redundant power and cooling

Base configurations

- > Single engine controller with 4 x 160 TB Media Packs
- > Single engine controller with 8 x 160 TB Media Packs
- > Redundant Controller—provides high redundancy when added

Options

- > Redundant Controller
- > 160 TB Media Packs



Avid NEXIS—Workflow-optimized tiered storage for real-time media production

Using the embedded System Director

Avid NEXIS | F2 SSD, F2, and PRO+ storage engines

- > Scale up to four Media Packs
- > Expand F2 storage capacity and bandwidth with the F2X expansion unit
- > Supports up to 24 active PRO+ clients and up to 40 active F-series clients
- > Supports 3 million (PRO+) and 8 million (F-series) files

Adding the System Director Appliance with Standard File System license

Avid NEXIS | F2 SSD, F2, F2X, F5, and F5 NL storage engines

- > Enables up to 24 Media Packs
- > Supports up to 165 active Ethernet-connected clients
- > Enables Avid NEXIS Mirror protection for systems using F2, F2X, and/or F5 engines
- > Support for 28 million files

Adding the System Director Appliance with Advanced File System license

Avid NEXIS | F2 SSD, F2, F2X, F5, and F5 NL storage engines

- > Enables up to 64 Media Packs
- > Supports up to 330 active Ethernet-connected clients
- > Enables Avid NEXIS Mirror protection for systems using F2, F2X, and/or F5 engines
- > Support for 175 million files

Avid NEXIS | PRO+



For independent professionals, small post-production, audio, house of worship, government, corporate, and media education environments, this professional-class standalone storage system can be used alongside other Avid NEXIS storage engines, but not physically mixed with them

Avid NEXIS | Cloud



Deploy media storage in the cloud with a software subscription, making it fast and easy to set up a production environment and enable team members to access media from anywhere.

Features

- > Avid NEXIS | VFS file system enables you to access, scale, customize, reconfigure, manage, protect, and secure your system
- > 40 TB of storage capacity with a single Media Pack per engine (offering up to 480MB/s scale out and 700 MB/s high-performance storage group)
- > Scalable from 40–160 TB by combining one to four Avid NEXIS | PRO+ engines together (cannot be mixed with F/E-series engines)
- > Field-replaceable storage engine controller
- > Two hot-swappable SSDs for system configuration and metadata management
- > 10/25 Gigabit Ethernet (SFP28)
- > Redundant power and cooling
- > 2U rack-mountable chassis
- > Expand media production in the cloud for work-from-anywhere access while maintaining your broadcast workflows on-premises
- > Move your media entirely to the cloud with a solution that provides easy storage tiering
- > Choose a subscription that best matches your storage budget and business needs
- > Scale storage capacity as needed at any time, on demand

Base configurations

- > Single engine with 1 x 40 TB Media Pack

All Avid NEXIS storage engines and the System Director are compliant with the California SB-327 law for IoT and network-connected devices, providing built-in measures for more secure password protocol.

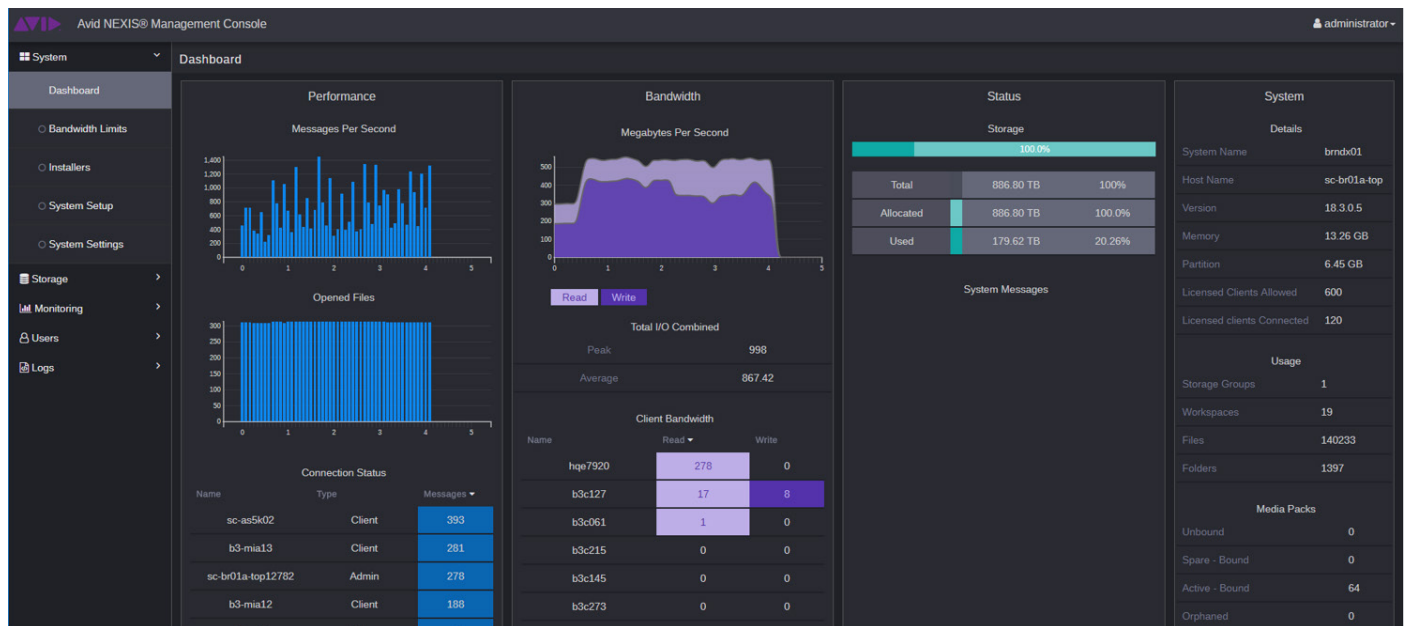


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ADD AVID NEXIS TO YOUR WORKFLOW IN NEW WAYS

Get more flexibility and choice for your media storage and workflows with new Avid NEXIS on-premises, cloud, and SaaS offerings.

- **ON PREMISES STORAGE**—Purchase an Avid NEXIS F-series hardware storage engine with Avid NEXIS | VFS software; add an Avid NEXIS | EDGE subscription to enable access and collaboration from anywhere
- **ON PREMISES WITH CLOUD FLEXIBILITY**—Purchase an Avid NEXIS hardware storage engine with an Avid NEXIS | FLEX software subscription, enabling you to migrate your file system to the cloud whenever you're ready; add an Avid NEXIS | EDGE subscription to enable access and collaboration from anywhere
- **CLOUD-BASED STORAGE**—Purchase an Avid NEXIS | Cloud subscription for storage in the cloud for access from anywhere
- **BRING YOUR OWN CLOUD**—Purchase an Avid NEXIS | VFS software subscription and bring the power of Avid NEXIS to your existing Microsoft Azure cloud storage
- **TURNKEY PRODUCTION**—Purchase an Avid | Edit On Demand subscription and quickly spin up a full virtual editing suite in the cloud—complete with cloud-based Media Composer editing and Avid NEXIS storage



Easily manage, monitor, and configure your Avid NEXIS system from anywhere, using any computer or mobile device, with the Avid NEXIS web-browser Management Console.

FOR MORE INFORMATION, VISIT avid.com/nexis