



Avid NEXIS | E5 NL

Intelligent nearline storage for real-time media production



Avid NEXIS® | E5 NL is a high-density, disk-based nearline storage system that provides a fast, intelligent solution for parking and retrieving assets and projects no longer in active production. It offers highly scalable, multilevel protected storage, making it easy to access, preview, and restore content for reuse. From accelerating archive-to-online workflows, to delivering to multiple storage tiers when integrated with MediaCentral® for public and private cloud workflows, Avid NEXIS | E5 NL provides everything you need to maximize and protect the value of your media.

PARK AND RESTORE MEDIA FAST

Accessing your media archive is easier than ever. Avid NEXIS | E5 NL streamlines the workflow between active and non-active production, enabling you to park assets and completed projects on high-density nearline storage, and keep them within easy reach for rediscovery and reuse. With support for on-disk proxy archive, you can instantly browse and preview media and restore content back to online storage—without the delay of retrieving archived media from tape.

ADAPT QUICKLY TO CHANGES

Like all other Avid NEXIS storage engines, Avid NEXIS | E5 NL is powered by a unique file system—Avid NEXIS | FS. This intelligent, scale-out file system enables you to create highly protected virtual workspaces quickly and add and adapt storage capacity, bandwidth, drive protection levels, and user read/write permissions to meet changing production and security needs.

INTEGRATE SEAMLESSLY INTO MEDIACENTRAL

Avid NEXIS | E5 NL integrates with MediaCentral to take advantage of the platform's media management capabilities. This includes MediaCentral | Shared Library, which provides a powerful, flexible archiving solution for all types of assets. Get instant browse access to parked assets, projects, and proxy archive, which can be restored to Avid NEXIS | E5, E4, or E2 for active production, then parked back to Avid NEXIS | E5 NL when finished.

GET EASY SCALABILITY

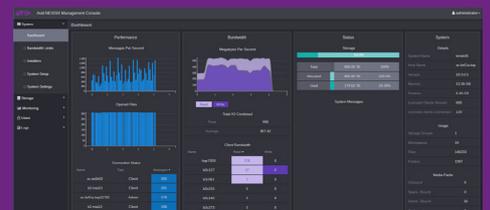
As your business and project needs grow, Avid NEXIS | E5 NL is right there with you. Scale from 480 TB of storage to more than 7.5 PB—or more than 6.5 PB with single disk protection—by connecting multiple E5 NL engines together as a single nearline system. Plus, each engine delivers 1 GB/s of throughput performance, enabling lightning-fast media transfer in even the most media-intensive production environments.

MANAGE SYSTEMS WITH EASE

Avid NEXIS Management Console is a new easy-to-use, highly-responsive web-based application that makes it easier and more convenient to manage, control, and monitor Avid NEXIS systems. Aligned with the look and feel of MediaCentral | Cloud UX, this redesigned user interface offers the flexibility and security of HTML5 to provide mobile device support, enabling you to monitor and configure your system while on the go. Its Dashboard provides an overview of your system's performance, bandwidth, and status, as well as access to configure and manage workspaces, storage groups, user access, notifications, and other functions quickly.

KEY FEATURES

- Accelerate the workflow between active and non-active production in the most demanding Avid NEXIS and MediaCentral environments
- Browse, preview, and restore archived media fast with on-disk proxy archive support
- Easily add and configure storage capacity, workspaces, user access, and more with Avid NEXIS | FS, the common file system across all Avid NEXIS systems
- Scale a system from 480 TB to more than 7.5 PB in a multi-engine system
- Configure multiple engines as a dedicated nearline/archive system, or mix and match with other Avid NEXIS | E2, E4, and E5 engines for total workflow flexibility
- Get the speed you need with 1 GB/s of bandwidth throughput per engine
- Automate your archive by leveraging MediaCentral | Shared Library for media management
- Stage content for upcoming projects and events that can be moved quickly to online production
- Manage and maintain multiple systems from anywhere, using any web browser
- Safeguard your media with multiple levels of media protection, including 1-disk (RAID 5) and 2-disk (RAID 6), plus redundant controllers and other components



FOR MORE INFORMATION, VISIT
avid.com/nexis-E5NL

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	Avid NEXIS E5 NL	Avid NEXIS System Director Appliance
		
	High-density nearline storage engine	Enables scalability and redundancy
Media drives	Four or eight Media Packs of 10 drives (12 TB each) for a total storage capacity of 960 TB and 1 GB/s of bandwidth per engine	N/A
System drives	Two solid-state system and metadata drives	Two solid-state system and metadata drives
File system	Avid NEXIS FS—64-bit self-balancing, distributed file system with intelligent media distribution/redistribution, real-time media access, and dynamic disk protection	Choice of Avid NEXIS FS Extended or Advanced—64-bit self-balancing, distributed file system with intelligent media distribution/redistribution, real-time media access, and dynamic disk protection
Supported clients	Windows 10, 8, and 7 (64-bit); macOS 10.13, 10.12, and 10.11 (64-bit); Red Hat Linux 6.5; CentOS 7.3	Windows 10, 8, and 7 (64-bit); macOS 10.13, 10.12, and 10.11 (64-bit); Red Hat Linux 6.5; CentOS 7.3
Client connections	Supports more than 100 active connected clients	<ul style="list-style-type: none"> Extended File System license supports up to 165 active connected clients Advanced File System license supports up to 330 active connected clients
File support	20 million files	20 million files
System management	Requires Avid NEXIS System Director Appliance	N/A
Network interface	10 Gigabit Ethernet SFP+	10 Gigabit Ethernet SFP+
Rack size	5U	2U
Dimensions (W x D x H)	19 x 36.8 x 8.7 inches (483 x 930 x 220 mm)	19 x 24.8 x 3.5 inches (483 x 630 x 89 mm)
Weight (with drives)	282 lbs (128 kg)	37 lbs (16.8 kg)
Power supply	Redundant 2,200W, 220 VAC, 60/50 Hz	Redundant 764W, 100–240 VAC, 60/50 Hz
Fans	Five fan modules (two must be functional)	N/A
Operating temperature	41°–104° F (5°–40° C)	41°–104° F (5°–40° C)
Operating humidity	8%–80% noncondensing	8%–80% noncondensing
Operating altitude	0–10,000 feet (0–3,045 m)	0–10,000 feet (0–3,045 m)
Non-operating altitude	10,000 to 40,000 feet (3,050 to 12,192 m)	10,000 to 40,000 feet (3,050 to 12,192 m)