

NEXIO AMP[™]

Advanced Media Platform



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NEXIO AMP™

The NEXIO AMP™ advanced media platform will change the way you think about video servers.



The NEXIO AMP media platform from Harris represents an entirely new approach to managing digital content.

From ingest to transmission, NEXIO AMP delivers exceptional reliability, flexible media I/O and complete format transparency. No competing server offers HD/SD baseband video and file-based ingest, editing and playout as standard on a single platform. NEXIO AMP is even the first professional broadcast server to be 1080p ready. Add the ability to run a comprehensive set of integrated media applications right from the compact, 3RU chassis, and you've got a best-in-class solution you can build your business around with confidence.

Reliability

Content integrity is a hallmark of the NEXIO® SAN, and NEXIO AMP is your link to a next-generation, shared-storage solution that boasts no single point of failure. Complete I/O, data path and storage redundancy raise fault tolerance to its highest level so that no drive, storage array, Ethernet or Fibre Channel anomaly will disrupt your on-air product.

As standard, NEXIO AMP features the RAIDsoft™ software RAID controller, which provides two distinct levels for safeguarding your media assets: RAID 3, for protection against single drive failures in a volume; and the proprietary error correction code (ECC) parity, which guards against two simultaneous drive failures in a volume. This Emmy® award-winning RAID management system is complemented by the optional, patent-pending Intrinsic Mirroring™ technology.

Intrinsic Mirroring automatically and simultaneously mirrors your content to two NEXIO SANs at the point of ingest. This capability eliminates the need to copy content from one SAN to another, or to replicate data as a background function. The result is no loss of content and 100 percent bandwidth capacity even in the unlikely event of a SAN failure.

Scalability

Key to any NEXIO server system is the ability to build a solution that suits your operational requirements and budget. As your needs change, NEXIO changes to accommodate

them. Modify channel configurations. Switch ports from SD to HD. Install new software codecs to support emerging standards, such as XDCAM HD and AVC-Intra. Add channels, features and new media applications. Increase file-based I/O throughput. With NEXIO AMP, the list of possibilities is virtually unlimited.

The inherent scalability of the NEXIO SAN allows you to grow from a streamlined, two-channel system with integrated storage to a comprehensive storage area network with hundreds of channels, thousands of hours of shared storage and hundreds of megabytes per second of IP network bandwidth. You can even scale across multiple domains connected via Fibre Channel and Ethernet via LAN and WAN, and through the use of near-line and archival storage.

Software Empowered

The media landscape is changing faster than ever. To stay ahead of the curve, NEXIO AMP leverages the power of software in multiple, innovative ways. Software-configurable settings determine how your NEXIO AMP will operate now — and well into the future.



Start with SD today, then reconfigure to mixed SD/HD or full HD mode as soon as you're ready — no changes to the server hardware required. What's more, integrated HD/SD software codecs and automatic up/down/cross conversion with AFD mean your existing SD assets can coexist with HD content on the same system.

As you migrate to a file-based workflow, NEXIO AMP simplifies the process. Transfer files from other server platforms into NEXIO AMP in their native formats — without transcoding. Start using new software codecs as needed. Increase your channel count. Add new NEXIO AMP systems without having to reconfigure any other device in the SAN. Run your NEXIO AMP along with previous generations of NEXIO hardware. These and many other options are available with NEXIO AMP.

Traditional server functionality on NEXIO AMP is driven by real-time, 64-bit processing. The power of this technology establishes the foundation for NEXIO AMP to host software-enabled media applications — which is where the advanced media

platform leaves other video servers far behind. By running media applications directly on the NEXIO AMP mainframe, hardware expenditures are reduced and the challenges associated with point-product compatibility are eliminated — improving workflow efficiency throughout the entire content acquisition-transmission chain.

Driving Your Growth

By uniting best-of-breed performance with sophisticated content protection and the ability to integrate previously discrete broadcast applications, NEXIO AMP delivers exceptional growth potential. It's the ideal, next-generation platform for taking your operation wherever you want it to go.

System Highlights

- Real-time, 64-bit HD/SD architecture
- Task-specific CPU/GPU/FPGA processing
- 720p/1080i/1080p ingest and playback
- Agile, integrated software codecs, including AVC-Intra, XDCAM HD, DVCPRO HD, DV, MPEG-2 and IMX
- Support for an extensive range of file-based workflow formats, including MXF, LXF, Final Cut Pro® and Avid
- Up/down/cross conversion with aspect ratio conversion and AFD
- Integrated media applications
- RAIDsoft software RAID controller
- Support for Intrinsic Mirroring
- Support for Redundant Ethernet



ONE Company for Workflow Solutions Throughout the Media Chain

Harris is the ONE company delivering interoperable workflow solutions across the entire media delivery chain — providing today's broadcaster with a single, integrated approach to capitalize on the benefits of IT and mobile applications. By providing unparalleled interoperability across our product portfolio, Harris is able to offer customers integrated solutions that improve workflows, save money, enable new revenue streams and provide a migration path to emerging media business models. To meet the evolving needs of broadcast, distribution, government agencies and entertainment businesses, Harris is the ONE answer for change.

Service And Support

At Harris, we are committed to customer service excellence. It is our goal to provide the highest level of support by applying a simple rule: We take ownership of helping our customers succeed. Our support teams consist of innovative technical experts who support all situations regarding product performance, integration and operational processing. We are adept at providing proven solutions, making workflows better and ensuring reliability of the product and system. At Harris, our experienced and dedicated teams stand ready to help you meet your goals for premium product performance, 100% up-time and reduced maintenance investment.

Warranty

Because we want to assure you that Harris stands beside its products and system solutions, our products carry a standard set of warranty services, which are competitive with — and in some cases outperform — others in the industry.

Service Packages

We offer value-add services that allow you to customize the level of services you need in meeting mission-critical performance levels. Our service package options offer many ways to upgrade your standard warranty by choosing the All-Inclusive OnePak, or by selecting individual services from our extensive portfolio. Our service and support advisors can assist in the selection of the individual services that best suit your requirements.

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For more information, please visit www.broadcast.harris.com/nexioamp.

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