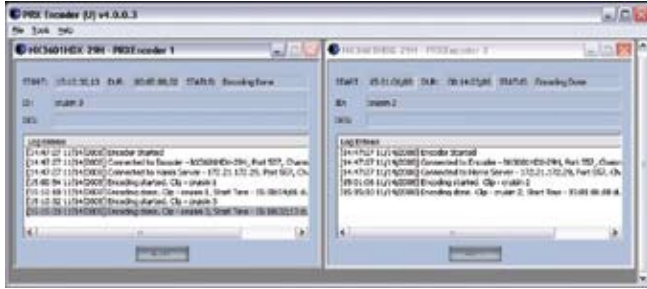


NEXIO AMP® PRX Encoder

Low-Resolution Encoding Software



Part of the new NEXIO® Global Proxy solution, the NEXIO AMP® PRX Encoder is an optional, integrated media application for the NEXIO AMP® advanced media platform. It enables the NEXIO AMP server to automatically generate low-resolution H.264 MP4 proxy files simultaneously with the baseband ingest of high-resolution video. These proxy files are saved to any standard storage array, where they can be viewed, edited and conformed back to high-resolution with other components of the Harris® NewsForce™ platform. The NEXIO AMP PRX Encoder supports up to two record channels per server.

PRODUCT DETAILS

The NEXIO Global Proxy solution is part of the NewsForce HD/SD news platform. All NEXIO global proxy products contribute to a highly efficient low-resolution workflow that:

- Eliminates the need for an expensive and complicated baseband infrastructure for proxy storage and management
- Facilitates simple and scalable browse viewing and editing in large low-resolution SANs
- Offers high-quality, high-performance, frame-accurate proxy encoding
- Provides flexible encoding options
- Speeds editing and play to air
- Simplifies media management

SPECIFICATIONS

Specifications are subject to change without notice.

Media Application Package	Software CD Software license key for one NEXIO AMP server Quick start guide 1-year Harris software maintenance agreement
Video	H.264 4:2:0 @ 384 Kb/s, 768 Kb/s, or 1.5 Mb/s 640x360 @ 59.94/50 f/s 352x240 @ 29.97 f/s 352x288 @ 25 f/s
Audio	AAC 2, 4, 6, 8, 10, 12, 14, 16 channels 32 Kb/s per channel pair
Aspect Ratio	HD Source content: 16:9 SD Source content: 16:9, 4:3

ORDERING INFORMATION

NXA3601LRE2 NEXIO AMP PRX Encoder media application for the NEXIO AMP advanced media platform

FEATURES

- Encodes NEXIO content to 384 Kb/s, 768 Kb/s or 1.5 Mb/s proxy video with audio content to 32 Kb/s audio (per pair) up to eight pairs
- Encodes HD NEXIO content to 640x360 resolution
- Encodes SD NEXIO content to 352x240 (NTSC) or 352x288 (PAL) resolution
- Encodes up to two independent, simultaneous streams frame accurately and in real time
- Number of PRX Encoder channels used matches the configured NEXIO ingest channel count
- Creates universally accepted MP4 file format on standard storage devices
- Encodes all NEXIO-supported high-resolution HD and SD formats
- Supports NEXIO SANs with up to 192 drives
- Supports NEXIO® Intrinsic Mirroring™
- Supports redundant Ethernet for NEXIO LAN traffic

The PRX Encoder application monitors the high-resolution ingest channels for activity; when a recording is detected, it starts a frame-accurate proxy encode at the same time. When the high-resolution recording stops, it directs the low-resolution encode to stop as well. The NEXIO AMP PRX Encoder runs as a background task showing current status of each ingest channel — no user interaction is required. All proxy files generated with the NEXIO AMP PRX Encoder are universally accepted MP4 files stored on standard storage devices.

The H.264 MP4 proxy files generated by the PRX Encoder are available for browse viewing with any standard media player. Alternately, due to the unique implementation of the global proxy file format, the MP4 files created by the PRX Encoder can be viewed in a Harris PRX Player or through the NEXIO® Mediabase™ plug-in with all of the same metadata information that is saved with the high-resolution files on the NEXIO SAN.

These MP4 proxy files are also available for editing with version 2.0 Velocity PRX proxy editors. Projects edited with Velocity PRX using global proxy files can be conformed directly to high-resolution clips using the NEXIO® InstantOnline III™ conforming engine or sent to Velocity ESX™ and/or Apple® Final Cut Pro® for high-resolution finishing.

Available Channel Configurations	SD 2 bidirectional + 2 play-only + 2 proxy channels 2 ingest-only + 4 play-only + 2 proxy channels HD or mixed HD/SD 1 bidirectional + 1 play-only + 1 proxy channel 1 ingest-only + 2 play-only + 1 proxy channel 2 ingest-only + 2 proxy channels
Servers Supported	NEXIO AMP NX3601HDX generation 2 server NEXIO AMP NX3601HDX generation 1 server with NX3601UPCPU1 NEXIO AMP NX3601HDX generation 1 server with NX3601UP1