

# NEXIO® InstantOnline III™

## High-Resolution Conforming Engine



NEXIO® InstantOnline III™ (IOL) is an automatic conforming engine that enables edit decision lists (EDLs), projects and timelines from Harris® Velocity™ editing systems, Apple® Final Cut Pro® sequences and media files to be conformed into high-resolution clips. This content is stored on the NEXIO® shared storage system and is immediately available for play to air as soon as the conform process begins — enabling a highly efficient workflow and the creation of broadcast-ready content from EDLs faster than real time.

InstantOnline III is a third-generation specialty server commonly used with the NEXIO® Global Proxy low-resolution system. Tight integration between InstantOnline™ and Velocity PRX™ proxy editors allows for direct timeline conforming and proxy creation at the push of a button. Voiceovers, timelines and EDLs created on the proxy editors are seamlessly conformed to high-resolution clips and are immediately ready for playback. With InstantOnline, proxy editor users also gain a real-time monitor showing current status of all timelines and voiceovers being conformed.

Extremely versatile, InstantOnline can conform EDLs into clips containing both metadata and essence from any low-resolution browser that adopts the Harris EDL standard. It can also directly conform high-resolution timelines and projects from Velocity ESX™ on-SAN editors — as well as from Final Cut Pro® workstations (when used in conjunction with the NEXIO® FCP Integration Gateway). This ability eliminates the need to process the final output from the editing workstation, allowing the editor to move quickly to the next time-critical project.

In addition to conforming, InstantOnline provides a quick and efficient method for importing content onto the NEXIO SAN. Media copied to an InstantOnline watch folder are automatically imported directly to the SAN, where they can be edited or instantly sent to air. The system accepts a multitude of file types from third-party applications and devices.

### PRODUCT DETAILS

#### LLM

NEXIO LLM software manages real-time transactions, status updates and RAIDsoft™, the patented and award-winning Harris software RAID and disk storage management system.

#### InstantOnline Client

InstantOnline III features a client application that connects and communicates with the InstantOnline server to monitor and manage EDLs, media files and timeline processing. The client is used to monitor status and error codes, and manually rearrange processing queues based on job priority. The real-time status window constantly displays all timelines and voiceovers being conformed and names of files being processed, along with duration updates.

The client also appears as a tab within Velocity PRX and optionally in the Velocity ESX and XNG applications, allowing the conforming progress to be monitored. It can also be installed on any remote PC, provided that the workstation maintains an Ethernet connection to the InstantOnline server. This capability allows InstantOnline to be managed from any networked computer using a valid user name and password. Functionality is the same for local and remote clients.

### FEATURES

- Creates broadcast-ready video clips from EDLs faster than real time
- Conforms projects and timelines from Harris Velocity editing systems, Apple® Final Cut Pro® sequences and an array of multi-media files
- Creates simultaneous Global Proxy low-resolution file during output of a high-resolution clip
- Makes clips available for playback as soon as conforming begins
- Supports voiceovers recorded at the user's desktop
- Supports prioritization of EDLs waiting to be conformed
- Integrates directly with Velocity PRX proxy editors
- Integrates optionally with Velocity ESX, Velocity XNG and Final Cut Pro®
- Integrates optionally with Invenio® Motion for advanced multi-site workflows
- Supports all transitions, effects, and audio controls from Velocity PRX, Velocity ESX and Velocity XNG
- Supports basic wipes, dissolves and multi-track audio with levels, fades, and panning from Final Cut Pro®
- Supports all file formats of NEXIO servers and Velocity editors
- Accepts a multitude of media file types for direct importation via watch folder
- Supports multiple InstantOnline servers running simultaneously in a single NEXIO domain
- Allows the management of all InstantOnline applications from one user interface
- Supports 4 Gb/s Fibre Channel interface connection to shared storage

#### InstantOnline Settings

InstantOnline III features an interface for manipulating the final conforming settings of all projects and files sent to it. This includes aspect ratio handling, target output format, output ID type, simultaneous proxy creation and multiformat output configuration.

#### Shared Watch Folder

A shared folder can be made available for easy drag and drop of compliant EDL and media files. The folder is constantly watched by the InstantOnline software as it waits for a new job to process. Accepted media files can exist in a variety of different formats including:

.lxf, .avi, .m2t, .mpg, .mpeg, .mp4, .vob, .wmv, .3gp, .3g2, .swf, .mov, .mxf, .dps, .dva, .ltv, .lta, .wav, .aif, .aiff, .mp3, .dpt, .icg, .scribe, .bmp, .tif, .dib, .pcd, .wpg, .psd, .tga, .jpg, and .png

NEXIO native formats (.lxf) are imported natively while all others are transcoded using preset format. Once the media has been imported into the SAN, it is available to all other users.

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### Multiformat Output

InstantOnline III simplifies and accelerates the output of multiformat material such as Quicktime®, Windows Media®, Real Media, AVI, MPEG-2, MPEG-4, H.264, Flash, 3GP/3G2 and iPod®/iPhone®. Configured presets allow creation of multiple formats upon output of the ID with a single button click.

### Global Proxy Output

When used in conjunction with a NEXIO Global Proxy system, InstantOnline creates a proxy file simultaneous with the output of edit (single clip) or media ID (NEXIO reference file) clips. This allows instant access to the proxy file without burdening the Global Proxy Transcoder server.

### Invenio Motion Integration

Instant Online III can be optionally integrated with Invenio Motion to facilitate advanced multi-site workflows. Global Proxy content from multiple locations used by Velocity editors can be retrieved and transferred to the local NEXIO SAN by Invenio Motion. High-resolution versions of content referenced in a low-resolution proxy edit are the transferred by Invenio Motion to enable conforming and output by InstantOnline. The Invenio Motion media transfer progress is monitored in the InstantOnline client's Deferred Queue status tab.

### Native 64-bit Application

InstantOnline uses hardware profile calibration to optimize the software based on the current system configuration. Internally, the software is a native 64-bit application, which gives optimized performance, faster renders and additional stability.

## SPECIFICATIONS

Specifications are subject to change without notice.

### System Configuration

- Mainframe . . . . . 2 AMD Opteron™ 64-bit processors
- PCI-e platform
- 16 GB ECC RAM
- Dual mirrored SATA boot drives
- Dual-channel 4 Gb/s Fibre Channel host bus adapter
- 4 x 10/100/1000Base-T Ethernet ports
- Dual-head DVI-I/D monitor interface
- 5 USB 2.0 ports (1 front, 4 rear)
- 1 FireWire® (IEEE 1394) port (front-mounted)
- Windows® XP Professional x64 Edition

### RAID Redundancy

- Controller . . . . . RAIDsoft software RAID management system
- RAID Protection Schemes . . . . . RAID 3 (single-drive parity, single-drive failure protection)
- ECC (multiple-drive parity, dual-drive failure protection)
- Support for Intrinsic Mirroring (fully redundant SANs)

### Physical Characteristics

- 3RU (H x W x D) . . . . . 5.25 x 19 x 28 in. (13.4 x 48.3 x 71.4 cm)
- Weight . . . . . 47 lbs (27.3 kg)

### Power

- Power Supply . . . . . Dual hot-swappable, dual load-sharing
- Voltage . . . . . AC 115 to 120 V, 120 to 200 V, auto-select
- Frequency . . . . . 60/50 Hz
- Consumption . . . . . 350 W

## ORDERING INFORMATION

- NX3000IOL . . . . . InstantOnline III conforming engine