

Memorandum

Date: March 16, 2015
To: Harmonic NMX Customers and Channel Partners
From: Allan Nicholson, Senior Director, Video Product Management
Subject: Availability of the NMX 7.3 Software Release

We are pleased to announce the general availability of the NMX 7.3 software release for NMX Digital Service Manager systems.

NMX 7.3 is the first NMX release to support virtual machine (VM) and blade server environments. NMX as a VM allows service providers to take advantage of the benefits made possible by Harmonic's VOS virtualized media processing architecture, including unparalleled function integration, increased operational flexibility and unlimited scalability. The first product to leverage the broad capabilities of VOS is the Electra XVM virtualized media processor, a fully converged platform that integrates real-time encoding, high-quality branding and graphics, and transport stream playout for broadcast and multiscreen services.

NMX 7.3 also introduces some key usability enhancements that greatly improve the performance of NMX and the various systems and products it controls. These include:

NMX

- Distribution as a VM (requires ESXi v 5.5 or higher)
- Improved alarm handling for Promedia
- Designer topology map validation

Electra X2 and XVM

- Initial support for 50/60 Hz applications
- Electra X2-G2 Haswell chassis support
- PIP encoding
- MCS rate control for eMBMS applications
- Mediaroom certification
- Subtitling passthrough (DVB subtitles and SCTE-27)
- Transcode from a Dolby E source over SDI

Electra 8000

- Improved resilience to network attacks (phase 2)
- Display input and output AFD value in web GUI
- Ability to enable/disable splice_insert repetition on output
- Insert avail_descriptor in the output only when it is also present on the input





Electra 9200

- Picture enhancement
- Advanced Automatic Pre-Filtering (Phase 2)
- ISDB-Tb 1-Seg encoding
- Audio description encoding on IOM-RAC2 audio module
- Improved resilience to network attacks (phase 2)

ProStream 1000

- Multiscreen profiles: 720p50/60, 1080p25/30
- Broadcast logo insertion

ProStream 9100

- Quad GbE card — VLAN tagging
- Quad GbE card — 10G port
- Longtail splicing (Service Substitution)
- Multiscreen profiles: 720p50/60, 1080p25/30
- Broadcast logo insertion

Ellipse 3200 & ProView 8100

- Alarm level monitoring

Promedia

- Bug fixes and stability improvements from NMX 7.1.1(ProMedia 1.6.3)

For a complete list of new features in NMX 7.3, please see the release notes, user guides and application notes.

For additional information, please contact Harmonic Technical Support:

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