NMOS Software Core

Turn-key Solution for AV over IP Control

Summary

Nextera's NMOS solution enables SMPTE ST 2110 based products to interoperate on a multi-vendor IP network. Developed by the Advanced Media Workflow Association (AMWA) and mandated by the European Broadcasters Union (EBU) and Joint Taskforce on Networked Media (JT-NM), NMOS allows your device to be truly interoperable. Nextera's field proven and reliable turn-key solution provides fast time to market for AV over IP OEMs.

What is NMOS?

Discovery and Registration (IS-04)

Enables ST 2110 devices to be discovered and registered on the network for plug and play functionality.

- Discovery of Registration and Discovery Server (RDS)
- Automatic registration of nodes, ports, and flows.

Connection Management (IS-05)

Enables ST 2110 devices to be configured and switched in a standard way by any NMOS broadcast controller.

- Simple API - HTTP Based
- Immediate, Relative, or Absolute Timed Switching
- SDP file generation and management enables real time receiver configuration.

Event & Tally (IS-07)

Provides an IP-friendly mechanism to carry time-sensitive information such as GPIO signals.

Audio Channel Mapping (IS-08)

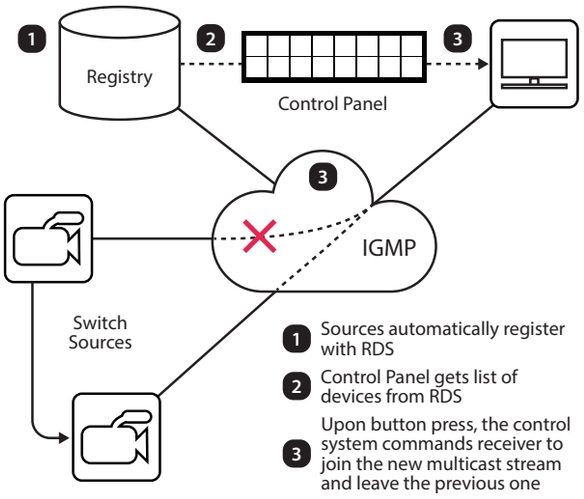
Enables mapping of audio channels from multiple sources into any destination.

System Parameters (IS-09)

Allows an NMOS Node to obtain global configuration parameters that are common across the system.

Secure NMOS (BCP-003-01)

Encrypts NMOS communications using HTTPS and TLS ensuring only authenticated users have access.



IS-04 and IS-05 System Diagram

Receiver Capabilities (BCP-004-01)

Reports supported AV formats to controller to ensure compatibility.

Benefits

- Delivered as standalone Linux daemon
- Compatible with Xilinx, Intel, and 3rd Party CPU's
- Optional full integration with Adeas ST 2110 Core
- Validated at multiple industry Interops, earned all "JT-NM Tested" badges (www.jt-nm.org)

http://www.nexteravideo.com/nmos

Nextera Video

sales@nexteravideo.com
www.nexteravideo.com
(650) 600 - 9686