

NMOS Software Core

Turn-key Solution for Media 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 Media over IP OEMs.

What is NMOS?

IS-04, Discovery and Registration

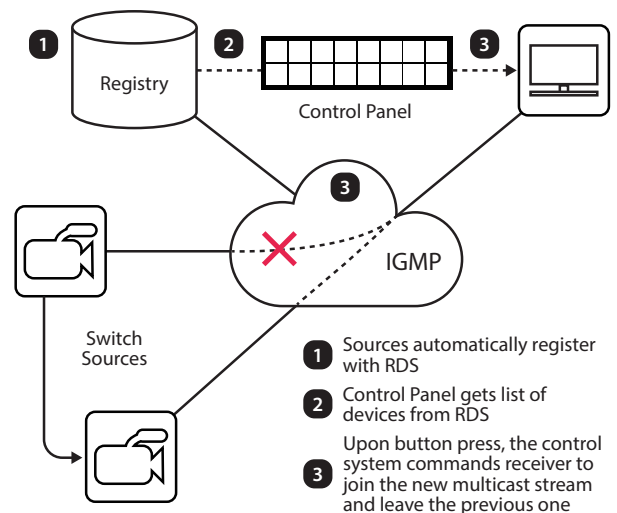
Enables ST 2110 devices to be discovered and registered on the network for plug and play functionality.

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

IS-05, Connection Management

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.



IS-04 and IS-05 System Diagram

IS-07, Event & Tally

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

IS-08, Audio Channel Mapping

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

IS-09, System Parameters

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

IS-10, API Security

Secures the control layer.

<https://www.nexteravideo.com/nmos>

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)



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