

MuxLab Unveils New HDMI Extender Delivering Enhanced Options for System Integration

New Solution Supports H.264/H.265 Video Streams and Up-Scales for True 4K@60Hz Performance

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-- MuxLab today announced the introduction of its HDMI over IP H.264/H.265 PoE Extender system (model [500762](#)), which provides two methods of delivering AV content with support for superb quality 4K imagery. This new extender works with both CATX cables and IP-based infrastructures, supplying new and traditional methods of AV signal delivery in one compact solution. It allows computers, mobile devices and traditional AV sources to be connected to a remote display or TV with unprecedented 4K@60Hz quality and a nearly instantaneous delivery with less than 300ms latency.



When riding on an IP-based architecture, transmitters and receivers connect AV sources to displays at local or remote distances via an Ethernet switch. Nearly unlimited sources and displays are supported in this system, depending on network bandwidth. Every source is accessible from any remote display, allowing point-to-multipoint and multipoint-to-multipoint interactions. If used traditionally, transmitter and receiver connect an AV source to its display up to 100m (330ft) in distance via one CAT5/6 cable.

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Joe Teixeira, Director Product Management at MuxLab.

Because of its extremely low bandwidth requirements, this Extender can stream AV content over a local network, Wi-Fi and the Internet, reaching nearly any location around the world. The system operates in a flexible, expandable and cost effective manner, enabling virtual switching and signal

extension without dedicated cabling.

Integrators can include AV devices with a maximum resolution of 1080p@60Hz in the system, which will be up-scaled to 4K@60Hz on the output for higher resolution enjoyment. H.264/H.265 video streams are accepted, allowing AV content to better stream on a LAN, Wi-Fi or Internet infrastructure. Users can also connect a USB drive to the system for local playback and storage of content. PoE is supported, eliminating separate power requirements for both transmitters and receivers.

"Today marks an exciting new milestone in MuxLab's [AV over IP](#) product line, where the HDMI over IP H.264/H.265 PoE Extender caters to installers looking to provide a true 4K experience when integrating AV content from multiple sources," said Joe Teixeira, Director Product Management at MuxLab. "By accelerating the AV over IP innovation at MuxLab, we're ultimately enabling integrators to better meet the needs of their clients in both commercial and residential markets."

The form factor of this transmitter/receiver system is compact and unobtrusive. Each receiver provides one digital SPDIF (TosLink) audio out. A two channel audio insert is supported on the transmitter and a two channel audio extract on the receiver. For remote control, RS-232 and bi-directional IR is supplied.

The entire system can be managed via a smart phone or tablet when connected through MuxLab's ProDigital Network Controller (model [500811](#)). An intuitive web interface allows for centralized control of IP-connected devices. Users can easily access and automate devices using the many features of the Controller. Plus, a common API allows for third party control systems.

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