



MuxLab's New Transmitter Delivers 4K/60 Video Around the World with Support for Streaming Video Codecs including H.264/5 and MotionJPG

MONTREAL, QUEBEC - At ISE, MuxLab will showcase its newest signal transmitter solution that utilizes an IP-based Ethernet network to stream AV from a variety of sources. Because it supports the H.264/H.265 video codec setting, this HDMI over IP H.264/H.265 PoE Transmitter, 4K/60 can stream AV content from the Internet with near zero latency, delivering it locally, remotely or even across the world provided all equipment is connected on the network. Each transmitter connects a video source via an Ethernet switch to a MuxLab receiver, such as the HDMI over IP H.264/H.265 PoE receiver, which delivers AV to each connected display.

Upscaling the system to accommodate multiple sources and displays is exceedingly easy, with the ability to support potentially hundreds of displays provided the network can accommodate 4K signal transmissions. When configured on a network, multiple sources and displays can be integrated and content can be delivered in a multitude of combinations. Integrators can create user configurable video walls supporting multiviews for commercial applications with a very low bandwidth solution. This transmitter also supports a MotionJPG (MJPEG) video codec setting for low latency applications. The transmitter provides a two-channel audio input that can be delivered alongside HDMI on the receiving end.

While RS232 and directional IR are provided for the remote control of sources, this transmitter works with the MuxLab ProDigital Network Controller, an auto-configuration system that detects equipment and simplifies IP-system access, configuration and control with a user friendly interface. When combined with the MuxControl app, any smart device can provide end user access and control, freeing the user to deliver content anywhere with complete mobility.

"Because of the exceedingly low bandwidth required to achieve a very high quality image, and with 200ms latency, we think this solution is ideal for most applications that stream content over a LAN, particularly in classrooms, digital signage applications, medical and corporate environments," said MuxLab's VP of Business Development and Product Management, Joe Teixeira.

Sources can connect to the Ethernet switch using standard CAT5e/6 cable from up to 100 meters away, allowing integrators to keep equipment secure and away from the end user environment. Once connected, video is delivered up to 4K@60Hz resolutions. PoE is supported, eliminating power requirements.



ABOUT MUXLAB:

MuxLab is a leading designer of value-added connectivity solutions for the pro AV and broadcast markets. Since 1984, MuxLab has supported its main mission to provide customers with innovative, dependable and industry leading designs that are engineered in Canada. A forerunner of the AV over IP evolution, MuxLab continues to deliver comprehensive, game changing IP-enabled systems for both commercial and residential installations of all shapes and sizes.