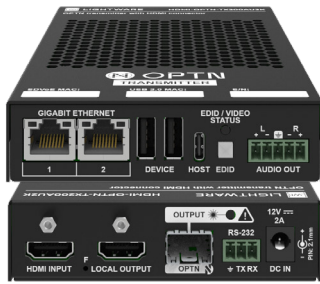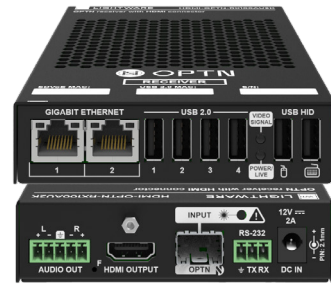**SDVoE-based Point-to-multipoint HDMI 2.0 over Fiber Optical Link Transmitter and Receiver**

Optical HDMI2.0 transmitter and receiver with analog audio output, local video output, KVM, and full USB2.0 support for point-to-multipoint (networked) applications. Full 4K HDMI 2.0 and HDCP 2.3 compliant (SFP+ module not included)

HDMI-OPTN-TX200AU2K

HDMI-OPTN-RX100AU2K

Details

The **HDMI-OPTN-TX200AU2K** and **HDMI-OPTN-RX100AU2K** transmitter and receiver devices are fiber extenders based on **SDVoE technology** and allow users to extend **HDMI 2.0 compliant** video, audio and control signals from a single source to multiple destinations through a **fiber optical** link.

Beyond the benefits of sending **high-resolution video** and **USB2.0 data** to a **distance of up to 10km via fiber**, the extenders are also able to handle various connectivity standards, including a 1G user Ethernet channel over the 10G link, as well as command injection into **RS-232**.

The Gigabit Ethernet ports are also valuable additions, allowing users to connect Ethernet capable devices to the network directly through the OPTX extenders. This is particularly useful for controlling external devices like projectors and displays.

HDCP 2.3 and basic **EDID management** functionality are also among the features offered by these devices, such as their connectivity and easy integration into a wide range of AV operations and with 3rd party devices, such as the Christie Terra projector.

Composite **USB2.0 transmission** adds the ability to connect remote **USB-HID devices** to a host computer through an extender pair. Transparent USB2.0, on the other hand, provides support for various types of USB2.0 devices like webcams, microphones, touch displays just to name a few.

Features

- **Transmission distance of up to 10km (when SM SFP+ module is used)**

- **SFP+ cage for single mode or multimode SFP+ modules**

- **Allows for the transmission of HDMI 2.0, embedded audio, Ethernet, and RS-232 data between an extender pair through single mode or multimode fiber**

- **Transparent USB transmission mode (for various USB2.0 devices including cameras, microphones, and touch screens) and composite USB transmission mode (for USB-HID devices)**

- **Supports HDMI 4K signal formats (4K UHD @60Hz RGB 4:4:4, up to 18 Gbps)**

- **HDR and Low Latency Dolby Vision support**

- HDCP 2.3 compliant

- Compatible with third-party SDVoE devices and controllers

- Ethernet extension (1 Gbps)

- Command injection on RS-232