

HDMI 2.0 over IP SDVoE Transmitter and Receiver 10Gb, MM

500709



Overview

The HDMI 2.0 over IP SDVoE Transmitter and Receiver enables the distribution of content to an unlimited number of displays over a 10Gb Ethernet switch. It is a versatile solution for extending video and audio transmission over long distances. It can extend video and audio transmission distance up to 300m (990ft) (OM3) / 400m (1320ft) (OM4) over fiber and supports Ultra-HD 4K2K@60(4:4:4) format, providing high-quality visuals.

The HDMI 2.0 over IP SDVoE is a comprehensive solution for demanding applications that require reliable, high-quality Ultra-HD video broadcasting over an IP network, with added features such as RS-232 pass-through and video wall support.

Applications

- Medical Imaging
- Military Control Room
- Broadcast Control Room
- Restaurants
- Conference Center

Key Features

- Supports HDMI resolutions up to 4K/60 (4:4:4)
- SDVoE Technology
- Uncompressed up to 4K/60 (4:2:0), and light compression visually lossless at (4:4:4) (with zero latency)
- Extends the transmission over multi-mode optical cable up to 300m (990ft) (OM3) / 400m (1320ft) (OM4)
- Full duplex RS-232 control up to 115,200 bps
- Supports Videowalls
- Managed via MuxLab Network Controller (500812) and Muximus Network Controller (500813)

Specification	Transmitter and Receiver
HDMI Compliance	HDMI 2.0a
HDCP	HDCP 2.2 and 1.4
Video Bandwidth	Single Link 594MHz (18Gbps)
Video Support	480i / 480p / 720p / 1080i / 1080p60 / 4K30 / 4K60 4:4:4
Audio Support	Surround sound [up to 7.1ch] or stereo digital audio
RS232 support	3-Pin Terminal Block Connector
HDMI Connection	1 x HDMI Input on Transmitter, 1 x HDMI output on Receiver
Ethernet Connection	10G SFP (Fiber or Copper SFP modules)
Housing	Black Metal enclosure
Working Power Supply	12VDC, 2A
Weight	223g
Working Temperature	0-40°C
Dimensions	89 x 90 x 25mm
Warranty	2 years
Order Information	500709-TX HDMI 2.0 over IP SDVoE Transmitter 10Gb, MM (UPC: 627699907092) 500709-RX HDMI 2.0 over IP SDVoE Receiver 10Gb, MM (UPC: 627699807095)

Diagram

