Overview:

The HDMI 4K/ST2110 over IP Uncompressed Gateway Converter allows lower cost HDMI 4K equipment to utilized in a broadcast environment and extended up to 1300ft (400m) via duplex multimode OM4 fiber with LC connectors, at up to 4K resolution @ 30Hz uncompressed, in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint configurations are also possible by connecting several units to a 10G Ethernet network. The unit provides a 1G Ethernet Switch port to connect additional network devices, and an RS232 port for remote control of end devices.

The HDMI 4K/ST2110 over IP Uncompressed Gateway Converter supports SMPTE ST-2110 and a Rest API for third party management.

Applications:

- Commercial broadcast AV systems
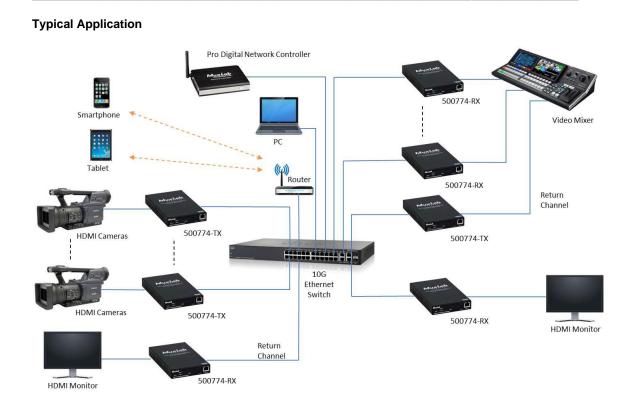- News/sports/TV stations
- Movie networks.

Key Features:

- Supports Uncompressed HDMI video up to 4K @ 30Hz and SMPTE ST-2110
- Extend HDMI over an IP network at up to 1300ft (400m) over duplex OM4 fiber
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports two 10G Ethernet ports for communications and a 1G Switch port for additional network devices
- Supports audio insert (TX) & audio extract (RX)
- Supports RS232 for remote control of end devices
- Manage with third party control software platforms supporting a Rest API

Environment	HDMI
Devices	Cameras, mixers, media players, monitors, TV, PC, laptops, servers supporting HDMI.
Signals	Up to HDMI 1.4
Connectors/Switches	One (1) HDMI connector Two (2) SFP Connectors for 10G Ethernet Switch ports One (1) RJ45S Connector for 1G Ethernet Switch port One (1) 3-position Phoenix Connector for RS232 One (1) 3.5mm audio connector One (1) 2.1mm locking power connector
Max Distance	OM4: 1300ft (400m), OM3: 985ft (300m)
Latency	Zero latency
Compression	None (uncompressed)
Network Bandwidth	Up to 10 Gbps
Network Requirement	10G Ethernet LAN
Cable	Two (2) Dual multi-mode fiber cables
Power Consumption	15 Watt
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Enclosure	Aluminium
Dimensions	4.4" x 7" x 1.0" (11.1 x 17.5 x 2.5 cm)
Weight	1.5 lb (0.7 kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	3 years
Order Information	500774-TX-MM: HDMI 4K/ST2110 over IP Uncompressed Transmitter, MM fiber (UPC: 627699917749) 500774-RX-MM: HDMI 4K/ST2110 over IP Uncompressed Receiver, MM fiber (UPC: 627699817742)
Accessories (Sold separately)	500920 16-Port Rackmount Transceiver Chassis 500917 Wall Mount Transceiver Bracket Kit

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Typical Application

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