**Overview:**
The HDMI 4K/ST2110 over IP Uncompressed Gateway Converter allows lower cost HDMI 4K equipment to be 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.

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**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

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**Environment**

<table>
<thead>
<tr>
<th>Device</th>
<th>Signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI</td>
<td>Up to HDMI 1.4</td>
</tr>
</tbody>
</table>

**Connectors/Switches**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>One (1) HDMI connector</td>
</tr>
<tr>
<td>Two (2) SFP Connectors for 10G Ethernet Switch ports</td>
</tr>
<tr>
<td>One (1) RJ45S Connector for 1G Ethernet Switch port</td>
</tr>
<tr>
<td>One (1) 3-position Phoenix Connector for RS232</td>
</tr>
<tr>
<td>One (1) 3.5mm audio connector</td>
</tr>
<tr>
<td>One (1) 2.1mm locking power connector</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Order Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>500774-TX-MM: HDMI 4K/ST2110 over IP Uncompressed Transmitter, MM fiber (UPC: 627699917749)</td>
</tr>
<tr>
<td>500774-RX-MM: HDMI 4K/ST2110 over IP Uncompressed Receiver, MM fiber (UPC: 627699817742)</td>
</tr>
</tbody>
</table>

**Accessories (Sold separately)**

<table>
<thead>
<tr>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>500920 16-Port Rackmount Transceiver Chassis</td>
</tr>
<tr>
<td>500917 Wall Mount Transceiver Bracket Kit</td>
</tr>
</tbody>
</table>

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Typical Application

- **HDMI Cameras**: Connected to the 50074-TX converter.
- **10G Ethernet Switch**: Converts HDMI signals to IP over Ethernet.
- **50074-RX Converters**: Receive and process the IP signals.
- **Video Mixer** and **HDMI Monitor**: Display the processed signals.
- **Manage Units via Rest API**: Interface for remote management.
- **Return Channel**: Connects the output of the 50074-TX to the 50074-RX.