Drive up to 4 displays from one HDMI video source up to 12.4 miles (20 km)

- Broadcast real-time HDMI video to multiple display locations.
- Supports HDTV resolutions to 1080p.
- HDMI features supported:
  - Deep Color
  - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, and DTS
  - Bandwidth up to 10.2 Gbps
- HDCP compliant.
- Signal transmission via single-strand 9-micron singlemode SC fiber optic cable – no RF interference.
- Plug and play functionality – no software needed.
- Cables can be installed in conduit prior to transmitter/receiver installation.
- Built-in default EDID table.
- No power supply required for the optical splitter.
- Integrated mounting brackets on the optical splitter, transmitter, and receivers for easy surface/wall mounting.
- Ideal solution for digital signage applications.

The VOPEX® HDMI Splitter/Extender simultaneously distributes high resolution HDMI video to up to four displays up to 12.4 miles (20 km) from an HDMI video source using a single-strand SC singlemode fiber optic cable. The VOPEX system consists of three components: the optical splitter, which connects to the transmitter and receivers; the transmitter, which connects to the host HDMI video source; and a receiver for each remote HDMI display. The units are interconnected by a simplex 9-micron singlemode SC fiber optic cable.

### Specifications

#### Optical Splitter

- Connectors
  - Five SC singlemode fiber connectors
- Power
  - Powered from video source connected to transmitter.
- Dimensions
  - WxDxH: 6.42x4.76x1.09 in (163x121x28 mm)
- Environmental
  - Operating temperature: -40 to 185°F (-40 to 85°C)
- Regulatory Approvals
  - RoHS
- Warranty
  - Two years

#### Transmitter and Receivers

- Connectors (for transmitter and receivers): one female HDMI connector and one SC singlemode fiber connector.
  - The transmitter and receiver feature a 3.5mm port for IR.
  - IR extension is not supported with more than one receiver.
- Supports HDTV resolutions up to 1080p.
- Built-in default EDID table.
- Low RFI/EMI.
- Frequency Bandwidth: 10.2Gbps
- Latency: 220ms
- Supports HDMI cable lengths up to 32 feet (10 meters) for the input and output (not included).
- Power
  - Local and remote unit: 100 to 240 VAC at 50 or 60Hz via AC adapter.
  - Input voltage: 5VDC.
  - Power consumption: 5W each.
- Dimensions
  - WxDxH: 5.39x3.07x0.91 in (137x78x23 mm)
- Environmental
  - Operating temperature: 32°F to 140°F (0°C to 60°C).
- Regulatory Approval
  - CE, RoHS
- Warranty
  - Two years
Drive up to 4 displays from one HDMI video source up to 12.4 miles (20 km)

**Configuration and Cable Illustration**

**HDMI Splitter/Extender via Singlemode Fiber Optic Cable**

<table>
<thead>
<tr>
<th>NTI Part #</th>
<th>Function</th>
<th># of Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIBER-1X4-SSSC</td>
<td>Optical Splitter</td>
<td>1 SC Fiber Input, 4 SC Fiber Outputs</td>
</tr>
<tr>
<td>ST-FOHD-SC-L-ULC</td>
<td>Transmitter</td>
<td>1 HDMI for Source, 1 SC Fiber</td>
</tr>
<tr>
<td>ST-FOHD-SC-R-ULC</td>
<td>Receiver</td>
<td>1 HDMI for Display, 1 SC Fiber</td>
</tr>
</tbody>
</table>

SC Singlemode Fiber Cable  (Up to 12.4 miles from Local Unit to Remote Unit)