Drive up to 4 displays from one DVI video source up to 3,280 ft (1,000 meters)

- Broadcast real-time DVI video to multiple display locations.
- Supports crisp and clear resolutions to 1920x1200.
- Signal transmission via single-strand 50-micron multimode SC fiber optic cable – no RF interference.
- Compact design of transmitter and receivers allows for direct connection to source/displays.
- Cables can be installed in conduit prior to transmitter/receiver installation.
- Built-in default EDID table can be programmed to support any DVI display device.
- Complies with DVI 1.0 standard.
- No power supply required for the optical splitter or transmitter.
- Integrated mounting brackets on the optical splitter for easy surface/wall mounting.
- Ideal solution for digital signage applications.

## Specifications

### Optical Splitter

- Five SC fiber connectors

### Cables

- Use a FIBER-S-SCSC-50-xM simplex 50-micron multimode SC fiber optic cable to extend the receiver from the transmitter up to 3,280 feet (1,000 meters).
- Cables not included.

### 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

### Distances & Resolutions

<table>
<thead>
<tr>
<th>Distance</th>
<th>Maximum Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,280 ft (1,000 m)</td>
<td>1024x768 (XGA)</td>
</tr>
<tr>
<td>2,300 ft (701 m)</td>
<td>1280x1024 (SXGA)</td>
</tr>
<tr>
<td>1,650 ft (503 m)</td>
<td>1600x1200 (UXGA)</td>
</tr>
<tr>
<td>984 ft (303 m)</td>
<td>1920x1200 (WUXGA)</td>
</tr>
</tbody>
</table>

### Transmitter and Receivers

#### Video

- Connectors (for transmitter and receivers): one male DVI-D single link connector and one SC fiber connector.
- Supports resolutions up to 1920x1200 (WUXGA); refer to the resolution chart below for resolutions at different lengths.
- Built-in default EDID table can be programmed to support any DVI display device.
- Low RFI/EMI.
- Laser Class 1 Safety compliant.
- Optical source: 850nm VCSEL.
- Supports a simplex 50-micron multimode SC fiber optic cable.
  - Extend the receiver from the transmitter up to 3,280 feet (1,000 meters).
- Frequency Bandwidth: 1.65Gbps (Single Link)

#### Power

- Local unit: powered from attached video source.
- Remote unit: 100 to 240 VAC at 50 or 60 Hz via AC adapter. (US AC adapter included.)

#### Environmental

- Operating temperature: 32 to 122°F (0 to 50°C).
- Storage temperature: -4 to 158°F (-20 to 70°C).

### Regulatory Approval

- CE, FCC, RoHS

### Dimensions

- WxDxH: 1.57x2.64x0.59 in (40x67x15 mm)

### Warranty

- Two years
Configuration and Cable Illustration

Drive up to 4 displays from one DVI video source up to 3,280 ft (1,000 meters)

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

SC Multimode Fiber Cable (Up to 3,280 feet)