Model 2509 is a miniature fiber optic transmitter that attaches directly to a CCTV camera. Power can come from the camera or an optional power supply. (Model 2121)

The Mini 2509 is compatible with 2809/2810 and also with CCTV transmitter/receiver cards in series 1000 and 3001 rack.

### Specifications

**System Bandwidth:** 10 Hz to 15 MHz

**Transmitter Input Impedance:** 75 ohms, BNC bulkhead jack

**Input Voltage:** 1 Vpp

**Receiver Adjustment Range:** 40:1

**Linearity:** 1 percent typical

**Output Load Impedance:** 75 ohms

**Output Voltage:** 2 Vpp into 75 ohm load

**Operating Wavelength:** 820 nanometers* (1310 nm options)

**Optical Connectors:** ST

**Power Requirements:** 12 volt from camera or external power supply (S.I.Tech #2121)

**Operating Temperature:** 0 °C to 50 °C

**Dimensions:** 1.50" X 1.13" X 0.88"

**Weight:** 0.1 LB (45 grams)

*1310 nanometers is an option for long distance mm or sm fiber

**Operating Distance for Fiber Optic Cable**

<table>
<thead>
<tr>
<th>Fiber Size (Microns)</th>
<th>Attenuation dB/Km</th>
<th>Maximum Feet/Meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>62.5</td>
<td>3.5</td>
<td>6600/2000</td>
</tr>
<tr>
<td>50</td>
<td>3.0</td>
<td>6600/2000</td>
</tr>
<tr>
<td>10 SM</td>
<td>1.0</td>
<td>33000/10000</td>
</tr>
</tbody>
</table>

SM - Single mode (1300 or 1550 nm option)

Optical power budget: 10dB typical

Specifications subject to change without notice.