**Model 2809-TR/2810-REC**

**CCTV - Fiber Optic Video System**

---

**Operation Mode:** CCTV video - color or black and white

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

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

**Input Voltage:** 1 Volt rms

**Receiver Adjustment Range:** 40:1

**Linearity:** 1 percent typical

**Output Load Impedance:** 75 ohms

**Operating Wavelength:** 820 nanometers (1300 nm options)

**Optical Connectors:** ST or SMA receptacle

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

**Plastic Enclosure:** 6" X 6.5" X 2.75" (15.2 X 16.5 X 7 cm)

**Weight:** 2lbs. (1 kg)

**Input Power:** 110 VAC 50/60 Hz

**220 Volt Version:** Model 2809V TR/2810V REC

**Card Version:** 2379/2380 (3000 Rack)

---

**Optical Connectors:**
- **OPTICAL INPUT**
- **BNC CONNECTOR OUTPUT**
- **TERMINATE IN 75 ohm CABLE**

**GAIN ADJUST (CONTRAST) ALLOWS 10X RANGE OF ADJUSTMENT**

Note: Adjust gain in receiver preamp for desired output (clips at 2 Vpp with 75 ohm load 4 Vpp open circuit)

---

**How to Order**

- **Model Numbers**
  - 2809: 1 Ch. Transmitter, Multimode, 110VAC, ST
  - 2809-2: 2 Ch. Transmitter, Multimode, 110VAC, ST
  - 2809-3: 3 Ch. Transmitter, Multimode, 110VAC, ST
  - 2809-4: 4 Ch. Transmitter, Multimode, 110VAC, ST
  - 2809-SM: 1 Ch. Transmitter, Single Mode, 110VAC, ST
  - 2809-2-SM: 2 Ch. Transmitter, Single Mode, 110VAC, ST
  - 2809-3-SM: 3 Ch. Transmitter, Single Mode, 110VAC, ST
  - 2809-4-SM: 4 Ch. Transmitter, Single Mode, 110VAC, ST
  - 2809-V: 1 Ch. Transmitter, Multimode, 220VAC, ST
  - 2810: 1 Ch. Receiver, Multimode, 110VAC, ST
  - 2810-SM: 1 Ch. Receiver, Single Mode, 110VAC, ST
  - 2810-V: 1 Ch. Receiver, Multimode, 220VAC, ST

**Operating Distance for Fiber Optic Cable**

<table>
<thead>
<tr>
<th>Fiber Size (Microns)</th>
<th>Attenuation (dB/Km)</th>
<th>Minimum Feet/Meters**</th>
<th>Maximum Feet/Meters**</th>
</tr>
</thead>
<tbody>
<tr>
<td>62.5</td>
<td>4.0</td>
<td>0/0</td>
<td>3300/1000</td>
</tr>
<tr>
<td>50</td>
<td>3.0</td>
<td>0/0</td>
<td>4000/1200</td>
</tr>
<tr>
<td>10 SM</td>
<td>1.0</td>
<td>0/0</td>
<td>66000/10000</td>
</tr>
</tbody>
</table>

SM - Single mode (1300 or 1550 nm option)

**Specifications subject to change without notice.**

---

**TYPICAL APPLICATION**


©2008 S.I. Tech, Inc.