**FEATURES**

- Real-Time Video Over One Fiber
- Distances up to 3 km
- Dual Channel Rack Cards
- Color or Monochrome

**DESCRIPTION**

Radiant Communications V100M Series is capable of transmitting real-time video signals over one multimode fiber for distances of up to 3 km. The Series is capable of transmitting standard video signals, and can be ordered as a standalone or rack mounted units. For large capacity systems, a dual-channel unit is available for up to 34-video transmitters or receivers rack mounted in our CR200 19” x 5.25” rack. Like all Radiant Communications transmission systems, no adjustments are required at time of installation, or anytime thereafter.
V100M Series, Video One-Way FIBER OPTICS SYSTEM

SPECIFICATIONS

VIDEO

Bandwidth: 8 MHz per Channel
SNR/CTN: > 50 dB
I/O Level: 75 ohms
Electrical: BNC
Optical: ST
Differential Phase: < 5º
Differential Gain: < 3%

POWER/TEMPERATURE/SIZE

Operating Temp: -20 to 50º C
Storage Temp: -40 to 85º C
Power: 0.25A @ 12-16VDC, 5W @ 12-14VAC
Size: 2.81” W x 3.75” D x 1.1” H
Rack Slots: 1 in CR200

ORDERING INFORMATION (Multimode 62.5um)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Fibers</th>
<th>Attenuation Max</th>
<th>Wavelength (in nm)</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>V100M-T</td>
<td>Video Transmitter</td>
<td>1</td>
<td>10 dB</td>
<td>850</td>
<td>0-3 km</td>
</tr>
<tr>
<td>V100M-R</td>
<td>Video Receiver</td>
<td>1</td>
<td>10 dB</td>
<td>850</td>
<td>0-3 km</td>
</tr>
<tr>
<td>V100M2-T-R</td>
<td>Video Tx, 2 Channel, Rack Mount</td>
<td>2</td>
<td>10 dB</td>
<td>850</td>
<td>0-3 km</td>
</tr>
<tr>
<td>V100M2-R-R</td>
<td>Video Rx, 2 Channel, Rack Mount</td>
<td>2</td>
<td>10 dB</td>
<td>850</td>
<td>0-3 km</td>
</tr>
</tbody>
</table>

OPTIONS

Power Adapter: Order one PS-1 for each unit. For V100M2-T/-R standalone, order one CR-1 enclosure and one PS-2.
Rack Mount: Add –R to part number for rack mount version.
High Power: For Higher Power version, please refer to the V110, V111, and V112M Series.
Singlemode: For Singlemode version, please refer to the V115S Series.

Due to product enhancements, specifications subject to change without notice.

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