OVERVIEW

The IFS VT1101M-AC Series video transmitter provides transmission of a fixed video signal using AM modulation on one multimode fiber optic cable. The transmitter includes a built-in isolation transformer allowing both the camera and fiber optic transmitter to be powered by the same 24 VAC power supply. The VT1101M-AC video transmitter is compatible with the IFS VR1000, VR1001, VR1100, and VR2100 series receivers. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments.

APPLICATION EXAMPLES

• CCTV (Fixed Video)

SYSTEM DESIGN
VT1101M-AC Series
IFS AM Video Mini Transmitter

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Fibers Required</th>
<th>Optical Pwr. Budget</th>
<th>Max. Distance*</th>
</tr>
</thead>
<tbody>
<tr>
<td>VT1101M-AC</td>
<td>Video Transmitter (850 nm)</td>
<td>1</td>
<td>14 dB</td>
<td>2.5 miles (4 km)</td>
</tr>
</tbody>
</table>

VT1101M-AC is compatible with: VR1000, VR1001, VR1100 and VR2100 Series Receivers

*Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels. Distance can also be limited by fiber bandwidth. **For 50/125 Fiber, subtract 4 dB from Optical Power Budget.

Specifications

Video

- Video Output: 1 Volt ok-ok (75 ohms)
- Bandwidth: 5 Hz - 10 MHz
- Differential Gain: <5%
- Differential Phase: <5°
- Tilt: <1%
- Signal-to-Noise Ratio (SNR): 60 dB

Wavelength

- 850 nm, Multimode

Number Of Fibers

- 1

Connectors

- Optical: ST
- Power: Flying Lead
- Video: BNC Jumper

Electrical & Mechanical

- Power: 24 VAC @ 150 mA * Power supplies by camera 24VAC
- Circuit Board: Meets IPC Standard
- Size (in/cm.) (LxWxH): 2.5 x 2.0 x 1.0 in., 6.35 x 5.08 x 2.5 cm
- Shipping Weight: < 1 lbs./.5 kg

Environmental

- MTBF: > 100,000 hours
- Operating Temp: -40°C to +74°C
- Storage Temp: -40°C to +85°C
- Relative Humidity: 0% to 95% (non-condensing)

Agency Compliance

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

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Specifications subject to change without notice.