VT1101M Series
IFS AM Video Mini Transmitter with Contact Closure

OVERVIEW
The IFS VT1101M Series video mini-transmitter supports the simultaneous transmission of a fixed video signal using AM modulation and one contact closure on one multimode fiber optic cable. This contact closure allows an additional device such as a dome tamper switch or alarm event input to be added and its signal transmitted back to the monitoring location. The transmitter is direct camera mountable eliminating the use of coaxial cable at the camera connection and will fit in most camera housings. A BNC feed-through coupler is also supplied to connect to coaxial cable when not mounting the module directly to the camera. The VT1101M Series video transmitter is compatible with the IFS VR1000, VR1001, VR1100, VR2100 and VR1100CC receivers. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. The transmitter incorporates a power status indicating LED for monitoring proper system operation. The transmitter is available in a stand-alone version only.

APPLICATION EXAMPLES
• CCTV (Fixed Video)

SYSTEM DESIGN

STANDARD FEATURES
• AM Video Transmission
• NTSC, PAL, SECAM Compatible
• Full Color Compatibility
• Direct Camera Mountable
• Power Status LED
• Contact Closure
• No In-field Electrical or Optical Adjustments Required
• Comprehensive Lifetime Warranty
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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</td>
<td>Dual Video Transmitter (850nm)</td>
<td>1</td>
<td>14 dB</td>
<td>2.5 miles (4 km)</td>
</tr>
<tr>
<td>PS12VDC1.5A-U</td>
<td>12VDC, 1.5A Plug-in Power supply (110/220VAC) with Universal power plug adapter kit (Included)</td>
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</table>

*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.

All accessories are third party manufactured.

Specifications

**Video**
- Video Input: 1 volt pk-pk (75 ohms)
- Bandwidth: 5 Hz - 10 MHz
- Differential Gain: <5%
- Differential Phase: <5°
- Tilt: <1%
- Signal-to-Noise Ratio (SNR): 60 dB

**Contact Closures**
- Status: Normally Open

**Wavelength**
850 nm, Multimode

**Number Of Fibers**
1

**Connectors**
- Optical: ST
- Power: Terminal Block with Screw Clamps
- Video: BNC (Gold Plated Center-Pin)

**Electrical & Mechanical**
- Power: 9 - 12 VDC @ 150 mA
- 10 - 14 VAC @ 200 mA
- Max. RG59 Cable Length: 750 ft.
- Circuit Board: Meets IPC Standard
- Size (in./cm.) (LxWxH): 2.5 x 1.6 x 1.0 in., 6.4 x 4.1 x 2.5 cm
- Shipping Weight: < 2 lbs./0.9 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)

Specifications subject to change without notice.

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