The ComNet™ FVR11 video receiver detects an AM video signal on one multimode fiber optic cable. The receiver utilizes Automatic Gain Control (AGC) and is compatible with the ComNet FVT11M and the FVT20 transmitters. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments.

**FEATURES**

- AM Video Receiver
- NTSC, PAL, SECAM compatible
- Full range Automatic Gain Control (AGC)
- Full color compatibility
- No in-field electrical or optical adjustments required
- Voltage transient protection on all power and signal input/output lines provides protection from power surges and other voltage transient events.
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment.
- Bi-Color (Red/Green) indicator to monitor system performance
- Hot-swappable rack modules
- Interchangeable between stand-alone or rack mount - ComFit package
- Units may be DIN-Rail mounted by the addition of ComNet model DINBKT1 or DINBKT4 adaptor plate
- Lifetime Warranty

**APPLICATIONS**

- CCTV (Fixed Video)
FVR11

SPECIFICATIONS

Video
- Video Output: 1 volt pk-pk (AGC controlled)
- Bandwidth: 5 Hz - 10 MHz
- Differential Gain: <5%
- Differential Phase: <5˚
- Tilt: <1%
- Signal-to-Noise Ratio (SNR): >55 dB @ 10 dB Attn., >60 dB @ 7 dB Attn.
- Max. RG-59 COAX Distance: 100 m (300 ft)

Wavelength
- FVR11: 850 nm, Multimode

Number of Fibers
- 1

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

Indicating LEDs
- Video Present

Power
- Operating Voltage Range: 8 to 15 VDC (or from C1 Rack, sold separately)
- Power Consumption: 1 W

Electrical & Mechanical
- Number of Rack Slots: 1
- Circuit Board: Meets IPC Standard
- Size: 6.1 × 5.3 × 1.1 in (15.5 × 13.5 × 2.8 cm)
- Shipping Weight: <2 lb / 0.9 kg

Environmental
- MTBF: >100,000 hours
- Operating Temp: -40˚ C to +75˚ C
- Storage Temp: -40˚ C to +85˚ C
- Relative Humidity: 0% to 95% (non-condensing)

[1] At 6 dB Attenuation

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Fibers Required</th>
<th>Fiber</th>
<th>Optical PWR Budget</th>
<th>Maximum Distance³</th>
</tr>
</thead>
<tbody>
<tr>
<td>FVR11</td>
<td>AGC Video Receiver (850 nm)</td>
<td>1</td>
<td>Multimode 62.5/125µm</td>
<td>14 dB</td>
<td>4 km (2.5 miles)</td>
</tr>
</tbody>
</table>

Accessories
- DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included)

Options
- [2] Add '/C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory)
- DIN-Rail Mounting Adaptor Plate Kit - With mounting hardware (Optional, order model DINBKT1 or DINBKT4)

[3] Distance may be limited by optical dispersion.

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

In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

TYPICAL APPLICATION

[Diagram of FVT11M and FVR11 with optical fiber and video (Coax)]