

single video receiver with  
 automatic gain control (agc)



### Description

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. Bi-color (Red/Green) LED indicators are provided for rapidly ascertaining equipment operating status. These units are interchangeable between stand-alone or card mount configurations.

### Applications

- CCTV (Fixed Video)

### Features

- AM Video Receiver
- NTSC, PAL, SECAM compatible
- Full range Automatic Gain Control (AGC)
- Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.
- Full color compatibility
- No in-field electrical or optical adjustments required
- Bi-Color (Red/Green) Video Present indicator
- Lifetime Warranty

PART NUMBER	FIBERS REQUIRED	FIBER
FVR11	1	Multimode 62.5/125µm

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.

WAVELENGTH

FVR11 850 nm, Multimode

NUMBER OF FIBERS

1

CONNECTORS

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

LED INDICATORS\*

- Received Data
- Transmitted Data

\* LEDs: RED = "No Activity"  
 GRN = "Activity"  
 NOTE: RED DOES NOT MEAN "Error"

ELECTRICAL & MECHANICAL

Power: 8-15 VDC @ 60 mA  
 Surface Mount: From Rack  
 Rack: 1  
 Number of Rack Slots: Meets IPC Standard  
 Circuit Board: 6.1 x 5.3 x 1.1 in.,  
 (15.5 x 13.5 x 2.8 cm)  
 Surface Mount: <2 lbs./0.9 kg  
 Shipping Weight:

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)†

† May be extended to condensation conditions by adding suffix '-C' to model number for conformal coating.

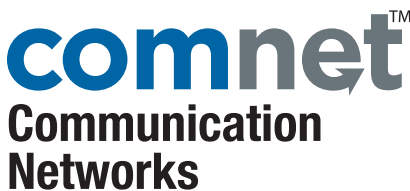
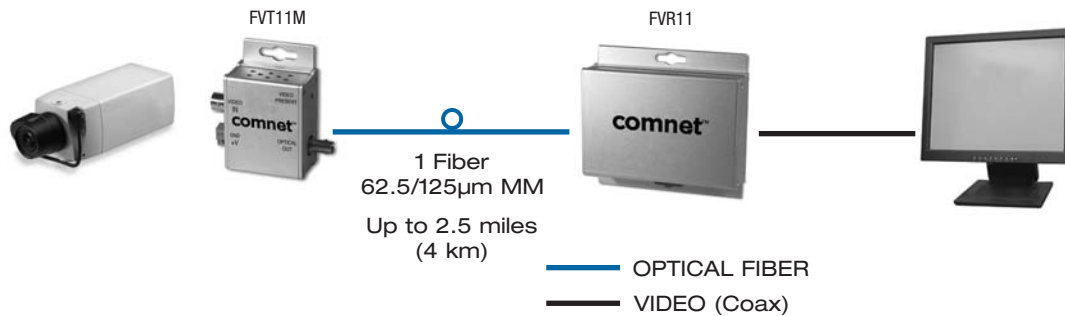
\* At 6 dB Attenuation



PART NUMBER	DESCRIPTION	FIBERS REQUIRED	FIBER	OPTICAL PWR BUDGET	MAX. DISTANCE**
FVR11	AGC Video Receiver (850 nm)	1	Multimode 62.5/125µm	14 dB	4 km (2.5 miles)
Accessories	9 Volt DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included)				
Options	Add '-C' for Conformally Coated Circuit Boards (Extra charge, consult factory)				

\*\*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.



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