

single video receiver with
manual gain control



Description

The ComNet™ FVR10 video receiver detects an AM video signal on one multimode optical fiber. The receiver utilizes Manual Gain Control 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.

Features

- AM Video Receiver
- NTSC, PAL, SECAM compatible
- Manual Gain Control
- Full color compatibility
- Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.
- Bi-Color (Red/Green) indicator to monitor system performance
- Hot-swappable rack modules
- Interchangeable between stand-alone or rack mount use
 - ComFit
- Lifetime Warranty

Applications

- CCTV (Fixed Video)



specifications

VIDEO

Video Output: 1 volt pk-pk
 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: 100m (300ft) Camera to Fiber Optic Module to maintain 6Mhz Bandwidth

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)
 Size (in./cm) (LxWxH): <2 lbs./0.9 kg
 Surface Mount:
 Shipping Weight:

WAVELENGTH

FVR10 850 nm, Multimode

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)†

NUMBER OF FIBERS

1

CONNECTORS

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

* At 6 dB Attenuation
 † May be extended to condensation conditions by adding suffix '/C' to model number for conformal coating.

LED INDICATORS

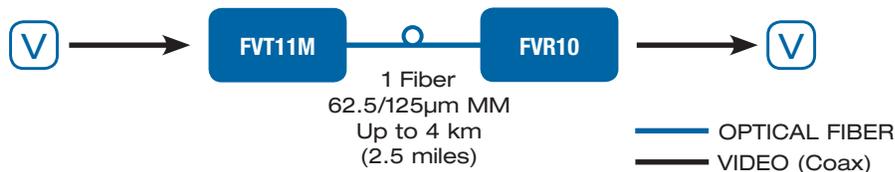
- Video Present



PART NUMBER	DESCRIPTION	FIBERS REQUIRED	FIBER	OPTICAL PWR BUDGET	MAX. DISTANCE‡
FVR10	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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