



INCLUDED



HARDENED



1



The ComNet™ FVR10M video receiver detects an AM video signal on one multimode fiber optic cable. 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 only available in stand-alone configurations.

FEATURES

- › AM Video Receiver
- › NTSC, PAL, SECAM compatible
- › Manual Gain Control
- › Full color compatibility
- › 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.
- › Voltage transient protection on all power and signal input/output lines provides protection from power surges and other voltage transient events.

- › Bi-Color (Red/Green) indicator to monitor system performance
- › Units may be DIN-Rail mounted by the addition of ComNet model DINBKT1 or DINBKT4 adaptor plate
- › Lifetime Warranty

APPLICATIONS

- › CCTV (Fixed Video)

SPECIFICATIONS

Video

Video Output	1 volt pk-pk
Bandwidth	5 Hz - 10 MHz ¹
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

Wavelength

FVR10M	850 nm, Multimode
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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
Power Consumption	60 mA

Electrical & Mechanical

Circuit Board	Meets IPC Standard
Size	4.0 × 3.7 × 1.0 in (10.4 × 9.5 × 2.7 cm)
Shipping Weight	<1 lb / 0.45 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) ²

[1] At 6 dB Attenuation



ORDERING INFORMATION

Part Number	Description	Fibers Required	Fiber	Optical PWR Budget	Maximum Distance ³
FVR10M	Mini Video Receiver (850 nm)	1	Multimode 62.5/125µm	14 dB	4 km (2.5 miles)
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

