



The ComNet™ FVT11M video mini-transmitter and FVR11M video mini-receiver supports transmission and reception of a fixed video signal using AM modulation on one multimode fiber optic cable. The FVT11M video transmitter is compatible with the FVR11M, FVR10M, FVR21, and FVR22 receivers. The FVR11M 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 Transmitter and Receiver
- › NTSC, PAL, SECAM compatible
- › The receiver utilizes 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.

- › Bi-Color (Red/Green) Video Present indicating LEDs
- › Lifetime Warranty

APPLICATIONS

- › CCTV (Fixed Video)

** Small Form-Factor Pluggable Module. Sold separately.*

SPECIFICATIONS

Video

Video Input TX	1 volt pk-pk (75 ohms)
Video Output RX	1 volt pk-pk (AGC controlled)
Bandwidth	5 Hz - 10 MHz ¹
Differential Gain	<5%
Differential Phase	<5°
Tilt	<1%
Signal-to-Noise Ratio (SNR)	60 dB
Max. RG-59 COAX Distance	100m (300ft) Camera to Fiber Optic Module to maintain 6Mhz Bandwidth

Wavelength 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
FVT11M Power Consumption	2 W
FVR11M Power Consumption	1 W

Electrical & Mechanical

Max. RG59 Cable Length	750 ft.
Circuit Board	Meets IPC Standard
Size	FVT11M 2.3 × 1.6 × 1.1 in. (5.7 × 4.1 × 2.8 cm)
	FVR11M 4.0 × 3.7 × 1.0 in (10.4 × 9.5 × 2.7 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) ²

[1] At 6 dB Attenuation
[2] May be extended to condensation conditions by adding suffix 'C' to model number for conformal coating.

INCLUDED IN KIT

Part Number	Wavelength	Connector	Fibers Required	Fiber	Optical Power Budget	Max. Distance ³
FVT11M	Mini Video Transmitter	ST	1	Multimode	14 dB	4 km (2.5 mi)
FVR11M	AGC Mini Video Receiver	ST	1	Multimode	14 dB	4 km (2.5 mi)
Accessories	DC Plug in Power Supply, 90-264VAC, 50/60Hz (Included)					
Options	[1] Add suffix 'C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory)					

[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



Low Power Consumption