



single mini video transmitter



Description

The ComNet™ FVT11M video mini-transmitter supports transmission 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. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. The transmitter incorporates a bi-color (Red/Green) indicating LED for monitoring proper system operation.

Features

- AM Video Transmission
- NTSC, PAL, SECAM compatible
- Full color compatibility
- No in-field electrical or optical adjustments required
- 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) Video Present indicator
- Lifetime Warranty

Applications

- CCTV (Fixed Video)

specifications

VIDEO

Video Input:	1 volt pk-pk (75 ohms)
Bandwidth:	5 Hz - 10 MHz
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)

LED INDICATOR

- Video Present

ELECTRICAL & MECHANICAL

Power:	8-15 VDC @ 80 mA
Circuit Board:	Meets IPC Standard
Size (in./cm) (LxWxH):	
Surface Mount:	2.3 x 1.6 x 1.1 in., (5.7 x 4.1 x 2.8 cm)
Shipping Weight:	<1 lb./0.45 kg

ENVIRONMENTAL

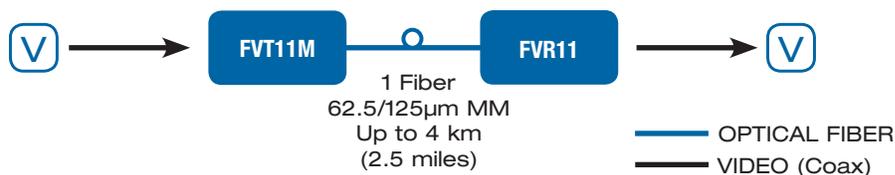
MTBF:	>100,000 hours
Operating Temp:	-40° C to +75° C
Storage Temp:	-40° C to +85° C
Relative Humidity:	0% to 95% (non-condensing)*

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



PART NUMBER	DESCRIPTION	FIBERS REQUIRED	FIBER	OPTICAL PWR BUDGET	MAX. DISTANCE†
FVT11M	Mini Video Transmitter (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. ‡ For 50/125µm fiber, subtract 4 dB from the optical power budget.
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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