



The ComNet™ FVT11MAC video mini-transmitter supports transmission of a fixed video signal using AM modulation on one multimode fiber optic cable. The FVT11MAC 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.

FEATURES

- › AM Video Transmission
- › NTSC, PAL, SECAM compatible
- › Full color compatibility
- › Power: 24 VAC electrically isolated from case and BNC
- › Plug-and-Play design for ease of installation
- › No electrical or optical adjustments required
- › 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) LED indicators are provided for rapidly ascertaining equipment operating status
- › May be DIN-rail mounted by the addition of ComNet model DINBKT1 or DINBKT4 adaptor plate.
- › Automatic resettable fuses on all power lines
- › Lifetime Warranty

APPLICATIONS

- › CCTV (Fixed Video)

SPECIFICATIONS

Video

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

Wavelength

FVT11MAC	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

Power

Operating Voltage Range	22 to 27 VAC
Power Consumption	3 W

Electrical & Mechanical

Max. RG59 Cable Length	750 ft.
Circuit Board	Meets IPC Standard
Size (L x W x H)	4.5 x 2.5 x 1.1 in (11.4 x 6.4 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) ¹

AGENCY COMPLIANCE



ORDERING INFORMATION

Part Number	Description	Fibers Required	Fiber	Optical PWR Budget	Max Distance ²
FVT11MAC	Mini Video Transmitter (850 nm)	1	Multimode ³ 62.5/125µm	10 dB	2.5 km (1.6 miles)
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)				

[2] Distance may be limited by optical dispersion.

[3] 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.

TYPICAL APPLICATION

