

single mini video transmitter
24VAC transformer isolated



Description

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.

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
- Power: 24 VAC electrically isolated from case and BNC
- 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) Power indicator
- Lifetime Warranty

Applications

- CCTV (Fixed Video)



FVT11MAC

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

FVT11MAC 850 nm, Multimode

NUMBER OF FIBERS

1

CONNECTORS

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

LED INDICATOR

- Video Present - Power

ELECTRICAL & MECHANICAL

Power: 22-27 VAC @ 100 mA
 Max. RG59 Cable Length: 750 ft.
 Circuit Board: Meets IPC Standard
 Size (in./cm) (L x W x H)
 Surface Mount: 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)*

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



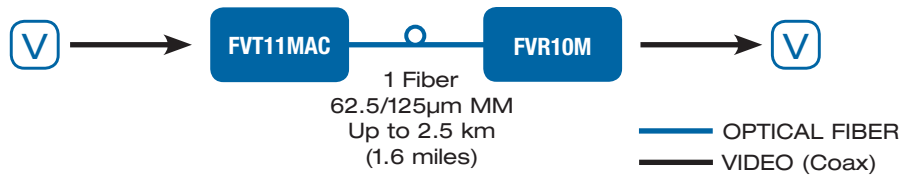
PART NUMBER	DESCRIPTION	FIBERS REQUIRED	FIBER	OPTICAL PWR BUDGET	MAX. DISTANCE†
FVT11MAC	Mini Video Transmitter (850 nm)	1	Multimode‡ 62.5/125µm	10 dB	2.5 km (1.6 miles)

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.



3 CORPORATE DRIVE | DANBURY, CT 06810 | USA
 T: 203.796.5300 | F: 203.796.5303 | TECH SUPPORT: 1.888.678.9427 | INFO@COMNET.NET

8 TURNBERRY PARK ROAD | GILDERSOME | MORLEY | LEEDS, UK LS27 7LE
 T: +44 (0)113 307 6400 | F: +44 (0)113 253 7462 | INFO-EUROPE@COMNET.NET