



INCLUDED



HARDENED



1



The ComNet™ FVT10 single channel transmitter supports one independent AM video signal on one independent multimode optical fiber. The FVT10 video transmitter is compatible with the FVR10, FVR10M, FVR11, FVR11M, FVR21 and FVR22 receivers. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. Packaged in the exclusive ComNet ComFit housing, these units may be either wall or rack-mounted, or may be DIN-rail mounted by the addition of ComNet model DINBKT1 or DINBKT4 adaptor plate.

## FEATURES

- › AM Video Transmission
- › NTSC, PAL, SECAM compatible
- › Full color compatibility
- › 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
- › Hot-swappable rack modules
- › Interchangeable between stand-alone or rack mount use - ComFit
- › 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 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

850 nm, Multimode

### Number of Fibers

1

### Connectors

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

### Indicating LEDs

Video Preset

### Power

Operating Voltage Range	8 to 15 VDC
Power Consumption	2 W

### Electrical & Mechanical

Circuit Board	Meets IPC Standard
Number of Rack Slots	1
Size (L×W×H)	6.1 × 5.3 × 1.1 in (15.5 × 13.5 × 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) <sup>1</sup>

AGENCY COMPLIANCE



## ORDERING INFORMATION

Part Number	Description	Fibers Required	Fiber	Optical PWR Budget	Maximum Distance
FVT10	Video Transmitter (850 nm)	1	Multimode <sup>2</sup> 62.5/125µm or 50/125µm	14 dB <sup>3</sup>	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)				

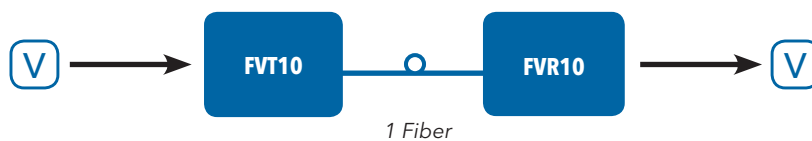
[2] For 50/125µm fiber, subtract 4 dB from the optical power budget.

[3] When paired with one of six compatible receivers.

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



 OPTICAL FIBER  
 VIDEO (Coax)

NOTE: Other system configurations are possible. Consult your sales representative.