

video transmitter



Description

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 adaptor plate.

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.
- Hot-swappable rack modules
- Interchangeable between stand-alone or rack mount use – ComFit
- Lifetime Warranty

Applications

- CCTV (Fixed Video)



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
vCircuit Board:	Meets IPC Standard
Size (in./cm) (LxWxH)	
Surface Mount:	6.1 x 5.3 x 1.1 in., (15.5 x 13.5 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
FVT10	Video Transmitter (850 nm)	1	Multimode [‡] 62.5/125µm or 50/125µm	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)				
	DIN-Rail Mounting Adaptor Plate Kit – With mounting hardware (Optional, order model DINBKT1)				

[†]When paired with one of six compatible receivers. [‡] 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.

