

dual video transmitter



Description

The ComNet™ FVT20 dual video transmitter supports two independent AM video signals in one module on two independent multimode fiber optic cables. The module is not a multiplexer. The module is ideal for CCTV installations and can be used to double the fixed video capacity of the C1 rack for up to 28 independent video channels per card cage. The FVT20 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.

Applications

- CCTV (Fixed Video)

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

PART NUMBER	FIBERS REQUIRED	FIBER
FVT20	2	Multimode 62.5/125µm

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

WAVELENGTH

FVT11M 850 nm, Multimode

NUMBER OF FIBERS

2

CONNECTORS

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

LED INDICATOR*

- Video Present

* LEDs: RED = "No Activity"
 GRN = "Activity"

NOTE: RED DOES NOT MEAN "Error"

ELECTRICAL & MECHANICAL

Power: 8-15VDC @ 130 mA
 Surface Mount: From Rack
 Rack: 1
 Number of Rack Slots: Meets IPC Standard
 Circuit Board:
 Size (in./cm) (LxWxH): 6.1 x 5.3 x 1.1 in.,
 (15.5 x 13.5 x 2.8 cm)
 Surface Mount:
 Shipping Weight: <2 lbs./0.9 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.

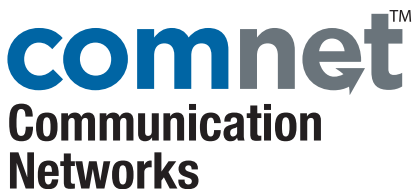
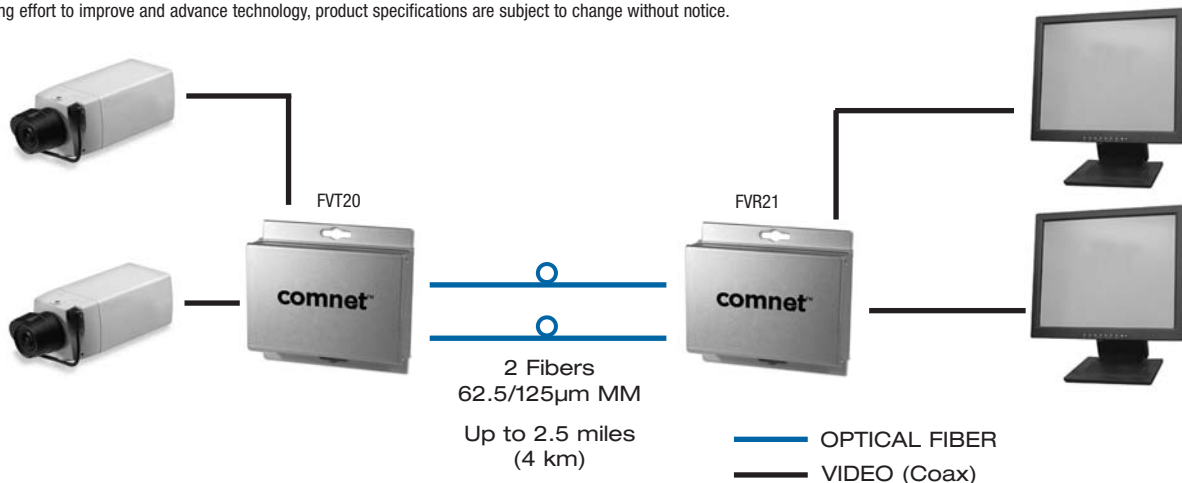


PART NUMBER	DESCRIPTION	FIBERS REQUIRED	FIBER	OPTICAL PWR BUDGET	MAX. DISTANCE**
FVT20	Dual Video Transmitter (850 nm)	2	Multimode 62.5/125µm	14 dB	4 km (2.5 miles)

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.

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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