

### **Dual Video Transmitter**

FVT20





The ComNet<sup>™</sup> 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.

#### **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 protection from power surges and other voltage transient events.
- > Bi-Color (Red/Green) Status indicating LEDs provide rapid indication of critical operating parameters
- > Hot-swappable rack modules
- Interchangeable between stand-alone or rack mount use -ComFit
- May be DIN-rail mounted by the addition of ComNet DIN-Rail adaptor plate (Model DINBKT1 or DINBKT4, sold separately)

**APPLICATIONS** 

> Lifetime Warranty

> CCTV (Fixed Video)

#### FVT20

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### **SPECIFICATIONS**

Video		Power			
Video Input Bandwidth	1 volt pk-pk (75 ohms) 5 Hz - 10 MHz	Operating Voltage Range Power Consumption	8 to 15 VDC 2 W		
Differential Gain Differential Phase Tilt Signal-to-Noise Ratio (SNR) Max. RG-59 COAX Distance	<5% <5° <1% 60 dB 100m (300ft) Camera to Fiber Optic Module to	Electrical & Mechanical Circuit Board Size Shipping Weight	Meets IPC Standard 6.1 × 5.3 × 1.1 in (15.5 × 13.5 × 2.8 cm) <1 lb/0.45 kg		
	maintain 6Mhz Bandwidth	Environmental			
Wavelength Number of Fibers	850 nm, Multimode 2	MTBF Operating Temp	>100,000 hours -40° C to +75° C		
Connectors	-	Storage Temp Relative Humidity	-40° C to +85° C 0% to 95% (non-condensing)¹		
Optical Power Video	ST Terminal Block BNC (Gold Plated Center-Pin)				
LED Indicators	› Video Present	PART 15 COMPLIANT E322911	NZ4621		

#### **ORDERING INFORMATION**

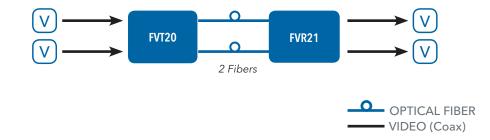
		Fibers		Optical Pow	er	
Part Number	Description	Required	Fiber	Budget	Max. Distance <sup>2</sup>	
FVT20	Dual Video Transmitter	2	Multimode 62.5/125µm	14 dB	4 km (2.5 mi)	
Accessories	DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included)					
Options	[1] Add '/C' for Conformally Coated Circuit Boards (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.

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**



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