POWER SUPPLY
INCLUDED

75° -40°
HARDENED

VIDEO
2

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.

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)

› Lifetime Warranty

APPLICATIONS

› CCTV (Fixed Video)

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
850 nm, Multimode

Number of Fibers
2

Connectors

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

LED Indicators
› Video Present

Power

Operating Voltage Range	8 to 15 VDC
Power Consumption	2 W

Electrical & Mechanical

Circuit Board	Meets IPC Standard
Size	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)[1]

AGENCY COMPLIANCE

FC PART 15 COMPLIANT   CE   c(UL)us E322911   RoHS COMPLIANT   N24621

MADE IN THE USA

ORDERING INFORMATION

Part Number	Description	Fibers Required	Fiber	Optical Power Budget	Max. Distance[2]
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

V →
V →
FVT20
○
○
FVR21
→ V
→ V
2 Fibers

○ OPTICAL FIBER
— VIDEO (Coax)

29 Jul 2014