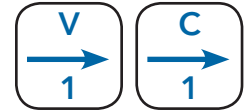


8-bit digitally encoded video mini transmitter with contact closure



Description

The ComNet™ FVT1C1B-M Video Transmitter supports transmission of one analog video signal and a single simplex contact closure over one multimode or single mode optical fiber. The contact closure channel may be used with triggered-event CCTV camera systems, or other applications such as access controlled gates, doors, or other equipment requiring remote actuation and control. This module is universally compatible with all major CCTV camera manufacturers. Housed in a compact, rugged, and lightweight package, this surface/shelf-mount unit is ideal for those installations where space may be limited, and may be DIN-rail mounted by the addition of ComNet DINBKT2 Adaptor Plate Kit. Plug-and-play design ensures ease of installation, and no electrical or optical adjustments are ever required. The FVT1C1B(M)(S)1-M Transmitter is fully compatible with ComNet model FVR4C4B(M)(S)4 4-Channel Video/4-Channel Contact Closure Receiver Unit.

Applications

- Industrial Security: Triggered-event CCTV surveillance and incident detection
- Industrial Control/Factory Automation: Triggered-event CCTV monitoring and control of critical manufacturing and shop floor processes
- Transportation/ITS: Triggered-event CCTV roadside monitoring and surveillance systems, and actuation of remotely actuated gate/lane controllers

Features

- 8-bit Digitally Encoded Video, and Contact Closure Transmission
- One simplex dry contact closure channel
- Compatible with all NTSC, PAL, or SECAM CCTV camera systems
- Full Color Compatibility
- No In-field electrical or optical adjustments required
- Supports Optical Transmission Distances up to 33 miles (54 km)
- Lifetime Warranty



8-bit digitally encoded video mini transmitter with contact closure

FVT1C1B(M)(S)1-M

specifications

VIDEO

Video Input:	1 volt pk-pk (75 ohms)
Overload:	>1.5V pk-pk
Bandwidth:	5 Hz - 8 MHz
Differential Gain:	<2%
Differential Phase:	<2°
Tilt:	<0.5%
Signal-to-Noise Ratio (SNR):	60 dB @ Maximum Optical Loss Budget

CONTACT

Interface: Response Time:	0.5 msec
Input:	Dry Contact Closure (0-3.3V, 1mA max. @ 0VDC)

CONNECTORS

Optical:	ST
Power:	2.1mm Center Positive Plug
Video:	BNC
Contact:	Screw Terminal Block

WAVELENGTH

NUMBER OF FIBERS

LED INDICATOR

Wavelength:	1310 nm
Number of Fibers:	1
LED Indicator:	- Power - Video (Sync Presence for each Video Channel)

ELECTRICAL & MECHANICAL

Power:	5 VDC @ 0.25A
Surface Mount:	Meets IPC Standard
Circuit Board:	3.3 × 2.5 × 1.1 in., (8.4 × 6.4 × 2.8 cm)
Surface Mount (L × W × H):	<1 lb./0.45 kg
Shipping Weight:	<1 lb./0.45 kg
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.

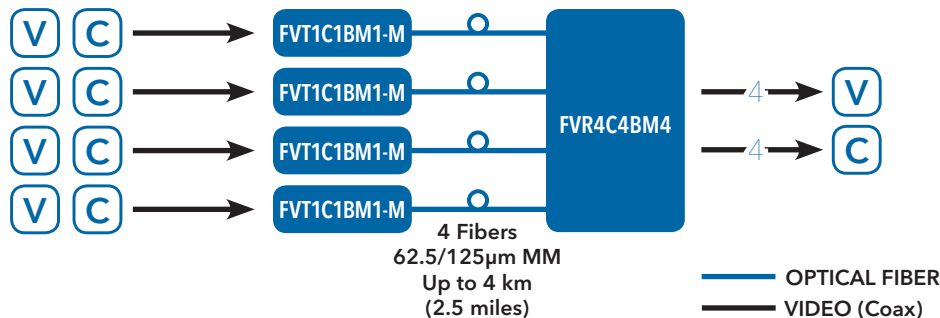


PART NUMBER	DESCRIPTION	FIBERS REQUIRED	FIBER	OPTICAL PWR BUDGET	MAX. DISTANCE†
FVT1C1BM1-M	Video Transmitter (1310 nm)	1	Multimode 62.5/125µm	12 dB	4 km (2.5 miles)
FVT1C1BS1-M	Video Transmitter (1310 nm)	1	Single Mode 9/125µm	16 dB	54 km (33 miles)
Accessories	5 VDC Power Supply, 90 - 249VAC 50/60Hz (Included)				
Options	Add '/C' for Conformally Coated Circuit Boards (Extra charge, consult factory)				

NOTE: This product requires a fiber installation with a minimum 30 dB connector return loss. The use of Super Polish Connectors is recommended. 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.

† Transmission distance will be diminished if additional losses are introduced by the optical connectors, splices and other factors regarding the quality of the fiber. Operating distance of multimode is limited by the characteristics of the fiber bandwidth. For additional information or support, contact the ComNet Applications Engineering Department.



3 CORPORATE DRIVE | DANBURY, CT 06810 | USA
T: 203.796.5300 | F: 203.796.5303 | TECH SUPPORT: 1.888.678.9427 | INFO@COMNET.NET

8 TURNBERRY PARK ROAD | GILDERSOME | MORLEY | LEEDS, UK LS27 7LE
T: +44 (0)113 307 6400 | F: +44 (0)113 253 7462 | INFO-EUROPE@COMNET.NET

© 2012 Communications Networks Corporation. All Rights Reserved. "ComNet" and the "ComNet Logo" are registered trademarks of Communication Networks, LLC.