



INSTALLATION AND OPERATION MANUAL

Value Line FVT/FVR81

8-CHANNEL DIGITAL VIDEO MULTIPLEXER

The FVT/FVR81 is an eight (8) channel video transmission system. It combines eight individual video signals into one high speed digital stream and transmits this over one optical fiber.

These units may be directly plugged into the ComNet Rack (Part C1) or they can operate as standalone modules. See **Figure A** on **Page 4** for mounting instructions.

See **Figures 1 – 4** for complete installation details.

FIGURE 1 – FVT/FVR81 TRANSMITTER AND RECEIVER

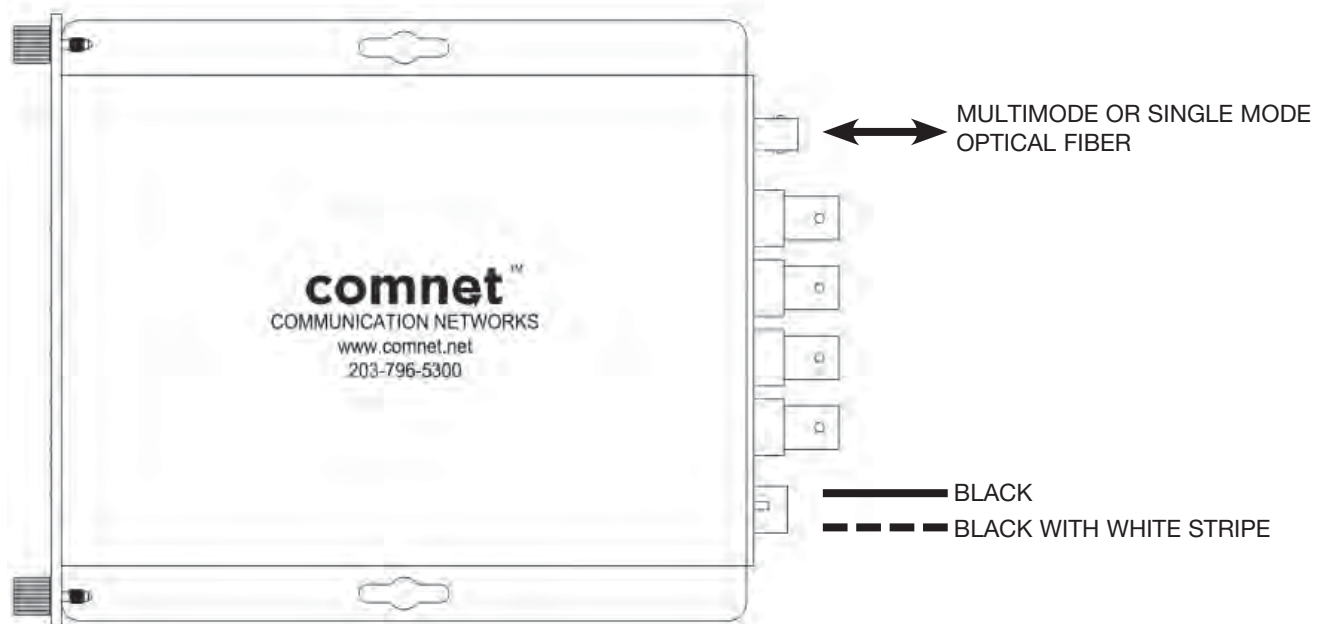


FIGURE 2 – FVT81 TRANSMITTER

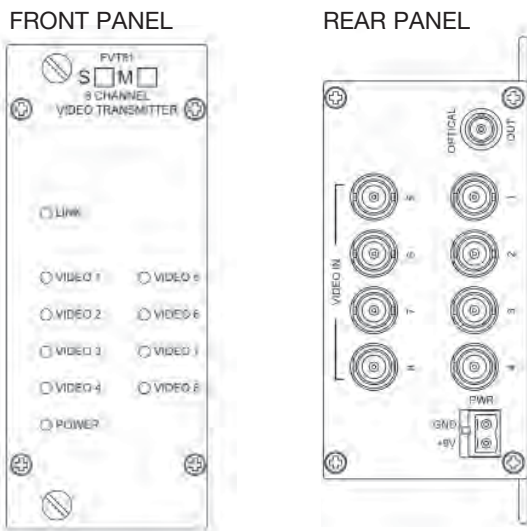
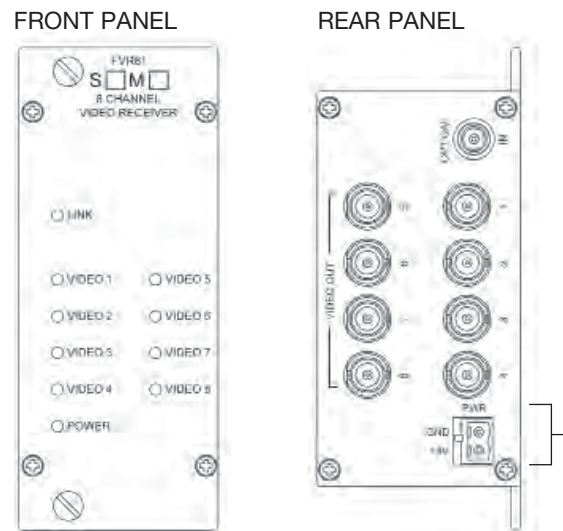


FIGURE 3 – FVR81 RECEIVER



NOTE: Remove Electrical Connector for Rack Mount Units

FIGURE 4 – LED INDICATORS

	LINK	VIDEO (1 – 8)	POWER
GREEN	Communication link has been established over optical fiber	An active video signal is present on the BNC connector.	Unit powered up
RED	Communication link has not been established.	No video signal	–
OFF	Not powered up correctly	–	Unit powered down

MECHANICAL INSTALLATION INSTRUCTIONS

INSTALLATION CONSIDERATIONS

This fiber-optic link is supplied as a Standalone/Rack module. Units should be installed in dry locations protected from extremes of temperature and humidity.

C1-US, C1-EU, C1-AU OR C1-CH CARD CAGE RACKS

CAUTION: Although the units are hot-swappable and may be installed without turning power off to the rack, ComNet recommends that the power supply be turned off and that the rack power supply is disconnected from any power source. **Note:** Remove electrical connector before installing in card cage rack.

1. Make sure that the card is oriented right side up, and slide it into the card guides in the rack until the edge connector at the back of the card seats in the corresponding slot in the rack's connector panel. Seating may require thumb pressure on the top and bottom of the card's front panel.

CAUTION: Take care not to press on any of the LEDs.

2. Tighten the two thumb screws on the card until the front panel of the card is seated against the front of the rack.

WARNING: Unit is to be used with a Listed Class 2 or LPS power supply rated 9-12 VDC @ 1A.

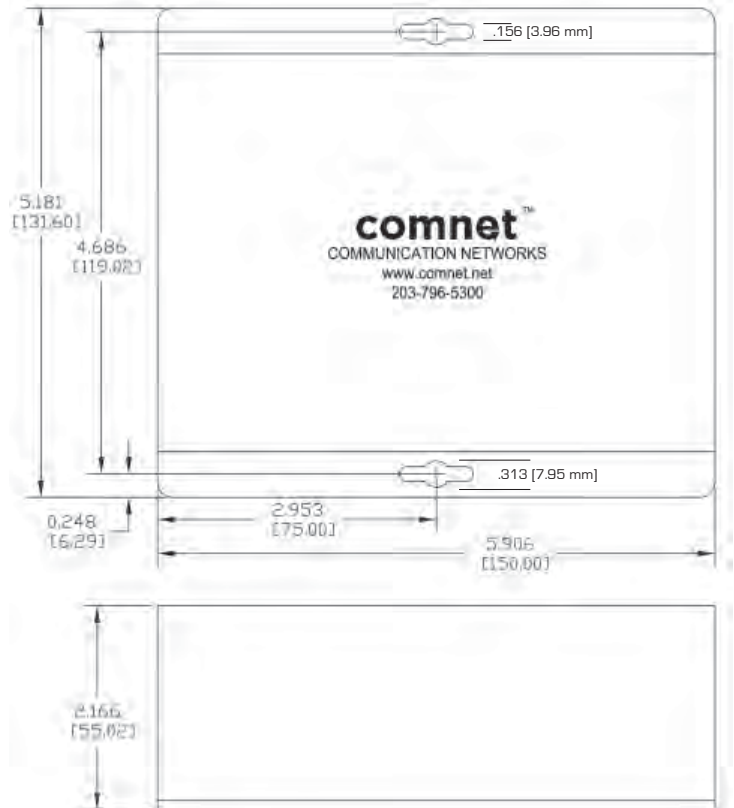
IMPORTANT SAFEGUARDS:

A) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.

B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

FIGURE A

Dimensions are for a standard ComNet™ two slot module



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Communication Networks

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

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PAGE 4