



## INSTALLATION AND OPERATION MANUAL

# FVT/FVR1001(M,S)1

### 10-BIT DIGITAL VIDEO

**This manual serves the following  
ComNet Model Numbers:**

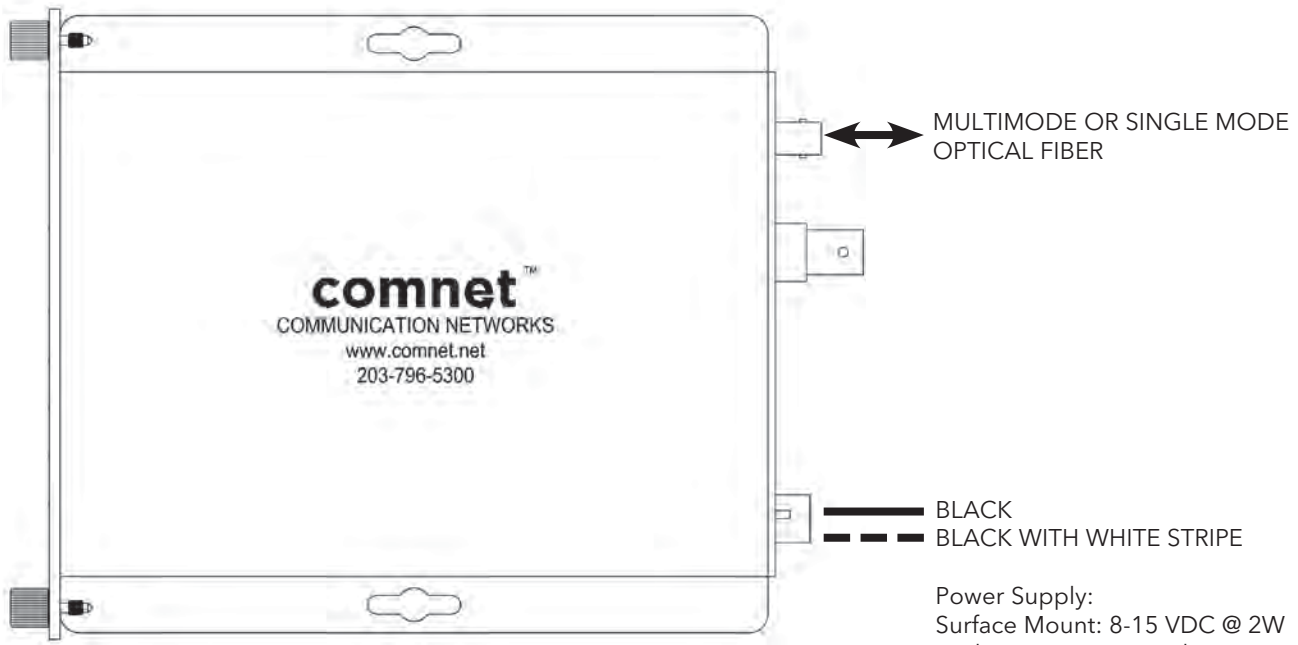
FVT1001M1  
FVR1001M1  
FVT1001S1  
FVR1001S1

The FVT/FVR1001 series video transmitter/receiver supports the transmission of short-haul quality 10-bit digital video over one multimode or single mode optical fiber. This module is universally compatible with major CCTV camera manufacturers. Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required.

Bi-color (Red/Green) LED indicators are provided for rapidly ascertaining equipment operating status. **Figure 4** on **Page 3** describes the indicators for each light on the unit.

The FVT/FVR1001 is interchangeable between stand-alone or card mount configurations, or may be DIN-rail mounted by the addition of ComNet model DINBKT1 adaptor plate. See **Figure A** on **Page 4** for mounting instructions.

FIGURE 1 - FVT/FVR1001



Power Supply:  
 Surface Mount: 8-15 VDC @ 2W  
 Rack Mount: From Rack

NOTE: Remove Electrical Connector for Rack Mount Units

FIGURE 2 - FVR1001 RECEIVER

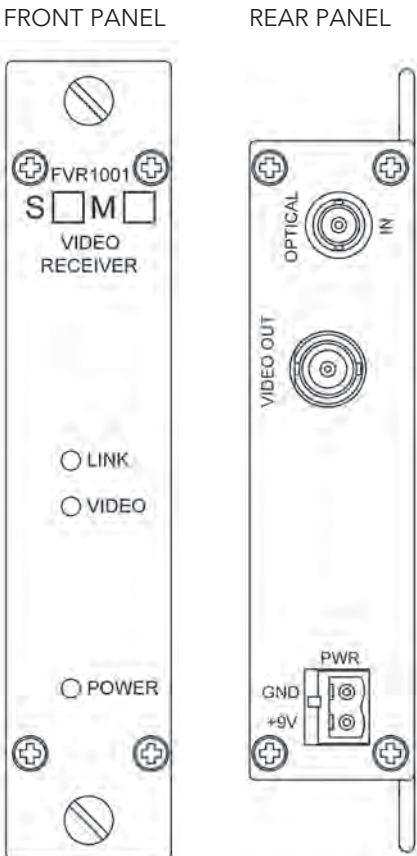
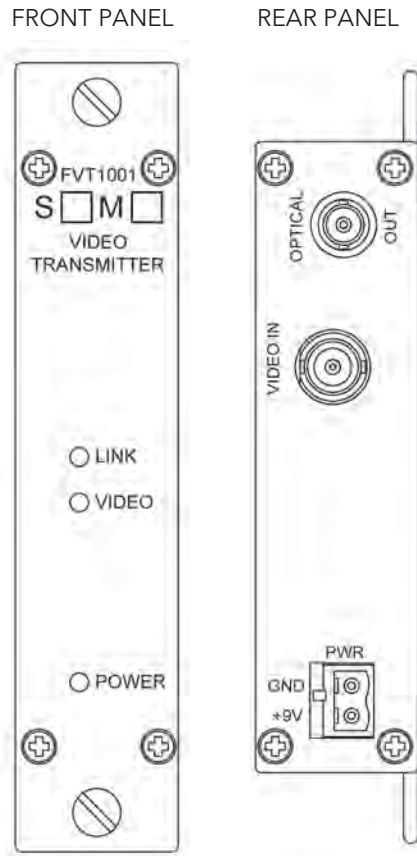


FIGURE 3 - FVT1001 TRANSMITTER



**FIGURE 4 - LED INDICATORS**

	<b>LINK</b>	<b>VIDEO</b>	<b>POWER</b>
<b>GREEN</b>	Communication link has been established over optical fiber	An active video signal is present on the BNC connector.	Unit powered up
<b>RED</b>	Communication link has not been established.	-	-
<b>OFF</b>	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.

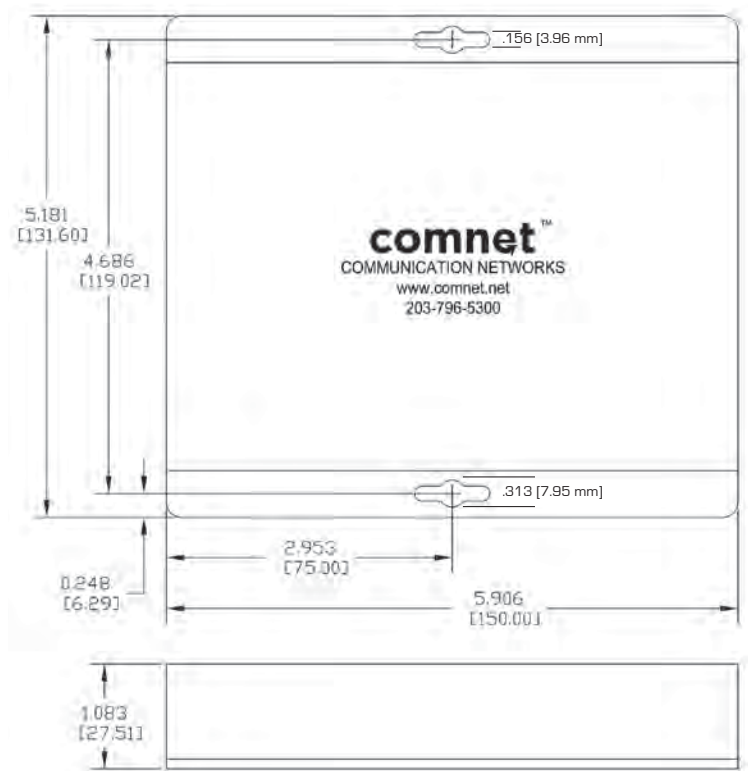
## IMPORTANT SAFEGUARDS:

**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<sub>ma</sub>) 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™ one slot module



MADE IN THE  
**USA**

**comnet**  
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