



## INSTALLATION AND OPERATION MANUAL

### COMPAK4VB

4-CHANNEL 8-BIT DIGITALLY ENCODED VIDEO RECEIVER  
WITH 4 CONTACT CLOSURES OVER 4 OPTICAL FIBERS  
+ 8-BIT DIGITALLY ENCODED VIDEO MINI TRANSMITTERS  
WITH CONTACT CLOSURE

The FVR4C4B receives four channels of video and contact closure over four optical fibers utilizing state-of-the-art 8-bit digital decoding for high-quality video transmission. The FVT1C1B-M video mini-transmitter supports transmission of a fixed video and a contact closure signal using an 8-bit digitally encoded signal on one multimode or single mode fiber optic cable.

These units are completely transparent to and universally compatible with any NTSC, PAL, or SECAM CCTV camera systems. 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. See **Figures 5** and **6** on **Page 4** for an explanation of LED indicators.

These units may be either wall or rack-mounted, or may be DIN-rail mounted by the addition of ComNet model DINBKT1 adaptor plate. See **Figures A** and **B** on **Page 5** mounting instructions.

See **Figures 1 – 7** for complete installation details.

FIGURE 1 – FVR4C4BS4 RECEIVER

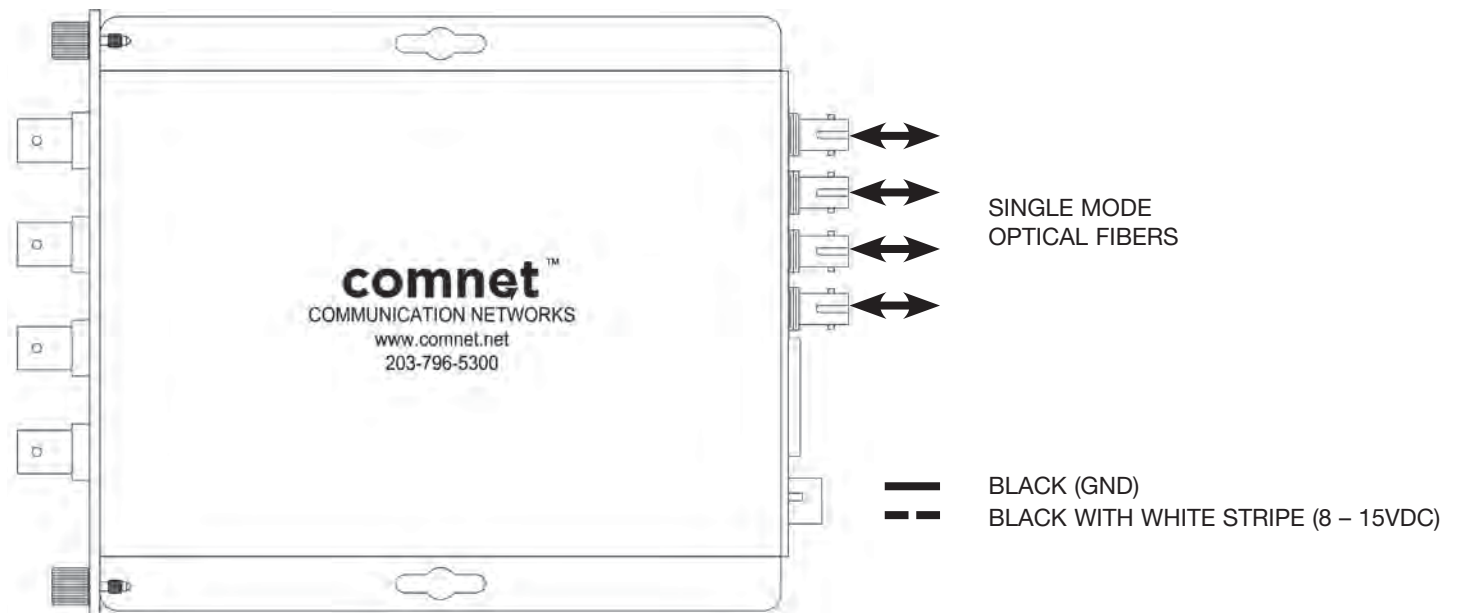
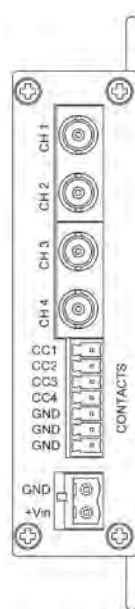
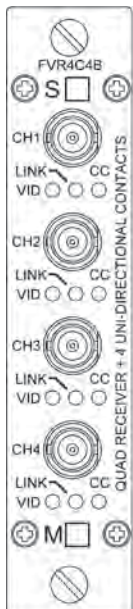


FIGURE 3 – FVR4C4BS4 RECEIVER

FRONT PANEL

REAR PANEL



NOTE: Remove Electrical Connector for Rack Mount Units

FIGURE 3 – FVT1C1BS1 TRANSMITTER

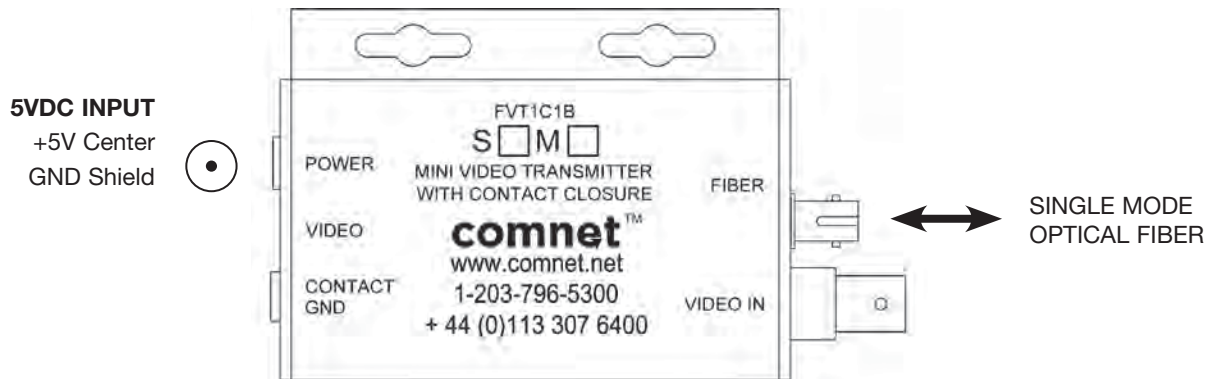


FIGURE 4 – FVT1C1BS1 TRANSMITTER

FRONT PANEL

REAR PANEL

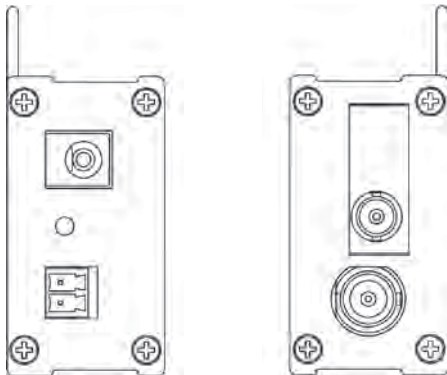


FIGURE 5 – LED INDICATORS (FVR4C4BS4 RECEIVER)

	LINK	VIDEO	CCOUT
<b>GREEN</b>	Communication link has been established over optical fiber	Video signal is present	Contact Closed
<b>RED</b>	Communication link has not been established.	No video signal is present	–
<b>OFF</b>	Unit powered down.	–	Contact Open

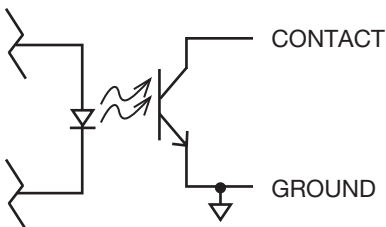
FIGURE 6 – LED INDICATORS (FVT1C1BS1 TRANSMITTER)

	VIDEO PRESENT
<b>GREEN</b>	A Video signal is present.
<b>RED</b>	No Video signal is present.
<b>OFF</b>	Unit not powered up.

FIGURE 7 – CONTACT SETTINGS

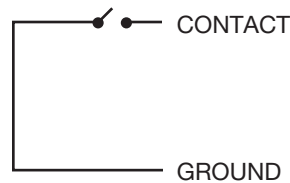
FVR4C4BS4 RECEIVER

Open Circuit ≤ 30 VDC  
 Closed Current ≤ 500 mA



FVT1C1BS1 TRANSMITTER

Open Circuit 3.3V  
 Current Sink to Close ≤ 1mA



# 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:

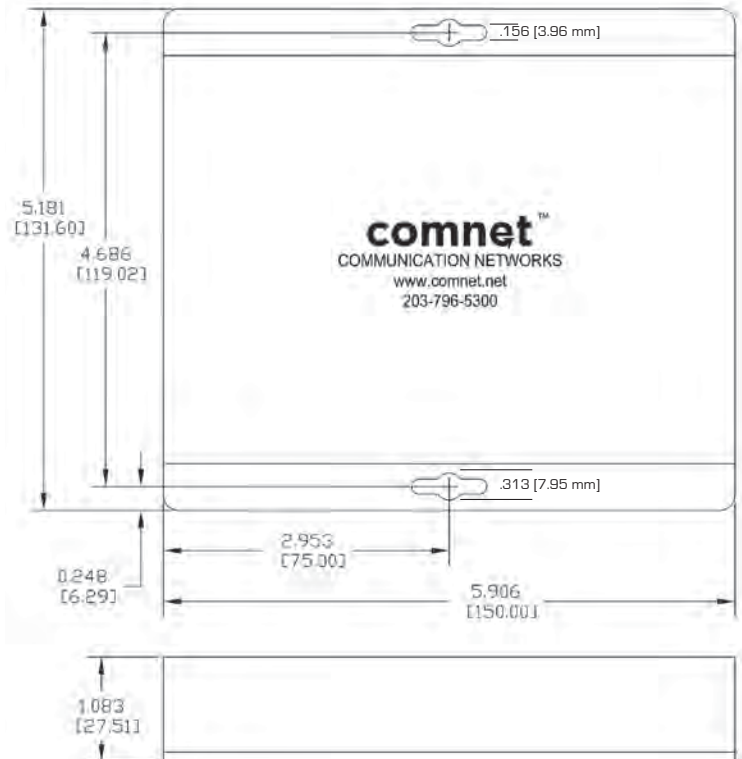
**A) Elevated Operating Ambient** - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient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



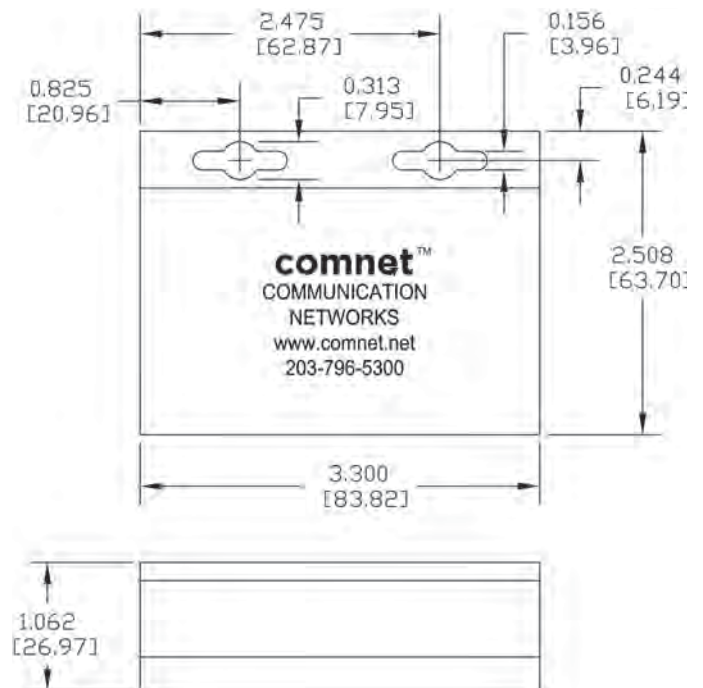
## FIGURE A

Dimensions are for a standard ComNet one slot module



## FIGURE B

Dimensions are for a standard ComNet™ “mini” module



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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 12/06/10  
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