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FVR21
DUAL INDEPENDENT AM VIDEO RECEIVER
WITH MANUAL GAIN CONTROL

The ComNet™ FVR21 dual video receiver detects 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 the rack mount version can be used to double the fixed video capacity of the C1 rack for up to 28 independent video channels per card cage. The modules utilize Manual Gain Control.
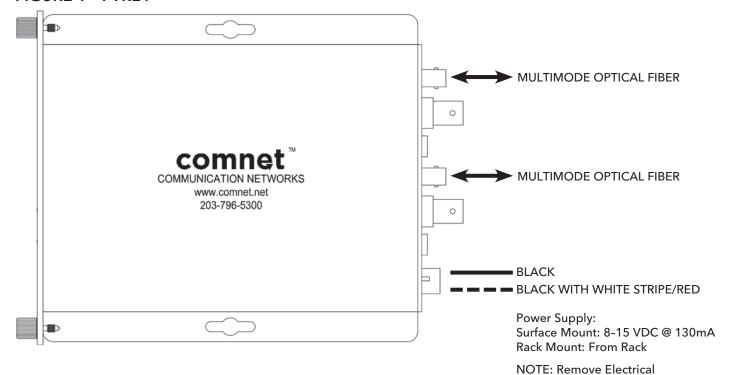
The receiver is compatible with the ComNet FVT11M single video transmitter and the FVT20 dual video transmitter.

Each receiver incorporates a bi-color (Red/Green) indicating LED for monitoring proper system operation. See **Figure 3** on **Page 2** for LED Indicator explanations.
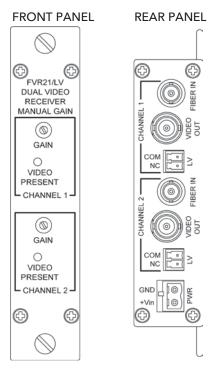
The FVR21 may be directly plugged into the ComNet Rack (Part C1) or may be either wall-mounted, rack-mounted, or DIN-rail mounted by the addition of ComNet model DINBKT1 adaptor plate. See **Figure A** on **Page 3** for mounting instructions.

See **Figures 1 – 3** for complete installation details.

FIGURE 1 – FVR21

MULTIMODE OPTICAL FIBER

MULTIMODE OPTICAL FIBER

BLACK
BLACK WITH WHITE STRIPE/RED

Power Supply:
Surface Mount: 8–15 VDC @ 130mA
Rack Mount: From Rack

NOTE: Remove Electrical
Connector for Rack Mount Units

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FIGURE 2 – FVR21 RECEIVER

FRONT PANEL

REAR PANEL

FVR21/LV
DUAL VIDEO
RECEIVER
MANUAL GAIN

GAIN

VIDEO
PRESENT

CHANNEL 1

GAIN

VIDEO
PRESENT

CHANNEL 2

CHANNEL 1
FIBER IN
VIDEO OUT
COM NC   LV

CHANNEL 2
FIBER IN
VIDEO OUT
COM NC   LV

GND
+Vin   PWR

FIGURE 3 – LED INDICATORS

	VIDEO PRESENT - Channel 1	VIDEO PRESENT - Channel 2
GREEN	Activity	Activity
RED	No Activity	No Activity
OFF	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.
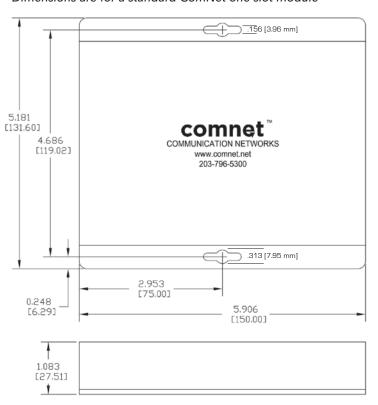
WARNING: Unit is to be used with a Listed Class 2 or LPS power supply.

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 (Tma) 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

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