

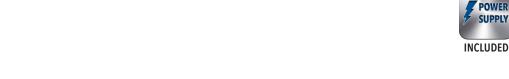
# **Single Mini Video Receiver With Automatic Gain Control (AGC)**

FVR11M











The ComNet™ FVR11M video receiver detects an AM video signal on one multimode fiber optic cable. The receiver utilizes Automatic Gain Control (AGC) and is compatible with the ComNet FVT11M and the FVT20 transmitters. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments.

## **FEATURES**

- > AM Video Receiver
- > NTSC, PAL, SECAM compatible
- > Full range Automatic Gain Control (AGC)
- > Full color compatibility
- > No in-field electrical or optical adjustments required
- > Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/lowline voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment.
- > Voltage transient protection on all power and signal input/ output lines provides protection from power surges and other voltage transient events.

- > Bi-Color (Red/Green) indicator to monitor system performance
- > Units may be DIN-Rail mounted by the addition of ComNet model DINBKT1 or DINBKT4 adaptor plate
- > Lifetime Warranty

### **APPLICATIONS**

> CCTV (Fixed Video)

### **SPECIFICATIONS**

### Video

Video Output 1 volt pk-pk (AGC controlled)

Bandwidth 5 Hz - 10 MHz<sup>1</sup> **Differential Gain** <5% **Differential Phase** <5° <1%

Signal-to-Noise Ratio (SNR) >55 dB @ 10 dB Attn.

>60 dB @ 7 dB Attn.

Max. RG-59 COAX Distance 100 m (300 ft) Camera to Fiber Optic Module to

maintain 6 Mhz Bandwidth

Wavelength

FVR11 850 nm, Multimode

**Number of Fibers** 

**Connectors** 

Optical

Terminal Block Power

BNC (Gold Plated Center-Pin) Video

**Indicating LEDs** Video Present

#### Power

8 to 15 VDC **Operating Voltage Range Power Consumption** 60 mA

#### **Electrical & Mechanical**

Size (in./cm) (L×W×H)

Circuit Board Meets IPC Standard

Surface Mount  $4.0 \times 3.7 \times 1.0$  in  $(10.4 \times 9.5 \times 2.7$  cm)

Shipping Weight <1 lb / 0.45 kg

**Environmental** 

MTBF >100,000 hours -40° C to +75° C **Operating Temp** Storage Temp -40° C to +85° C

Relative Humidity 0% to 95% (non-condensing)2

[1] At 6 dB Attenuation













### ORDERING INFORMATION

Part Number	Description	Fibers Required	Fiber	Optical PWR Budget	Maximum Distance <sup>3</sup>
FVR11M	AGC Mini Video Receiver (850 nm)	1	Multimode 62.5/125µm	14 dB	4 km (2.5 miles)
Accessories Options	DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included) [2] Add '/C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory) DIN-Rail Mounting Adaptor Plate Kit – With mounting hardware (Optional, order model DINBKT1 or DINBKT4)				

[3] Distance may be limited by optical dispersion.

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.

### TYPICAL APPLICATION



