



V-250 Fiber Optic Video Link

Features

- Easy to Install and Use
- Low Cost
- AGC is Standard
- Eliminates Ground Loops
- 5 Km Transmission Range

Call, Fax or Email
your application requirements

The V-250 is designed for transmitting high quality video in any standard format over much longer distances than are possible with coaxial cable. Simple to install and use, the built-in automatic gain control eliminates the need for adjustments. This rugged, low-cost system is immune to the effects of radiated interference, high voltage differentials, water, ground loops, and the effects of hazardous environments.

The V-250 video transmission system consists of the VXM-250 Fiber Optic Transmitter, the VR-250 Fiber Optic Receiver and two 115/240 VAC power adapters. The system is fully compatible with NTSC, SECAM, PAL and D2MAC video standards. Small in size, the VXM-250 mounts directly on the output BNC connector of the camera or video source. The VR-250 is equipped with an automatic gain control that automatically compensates for varying cable lengths, degradation of splices and variations in video signal strength. The unit comes equipped with a bi-color LED that indicates the presence of video signals and proper operation of the units. Versions are available with either ST* or SMA fiber optic connectors. The ST connector is compatible with 50/125 or 62.5/125 μm fibers, while the SMA will also accommodate 100/140 μm fibers. The VX-250 operates at an optical wavelength of 850 nm. With its 16 dB link budget it can support transmission distances in excess of 5 km. If greater distances are required, the VX-250 - 1300 is available. This unit operates at a wavelength of 1300 nm. At this wavelength fiber losses are much lower and thus a concomitantly greater range is possible.

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Specifications

System Bandwidth ... 10 Hz-10 MHz (-3dB)
Input/Output Impedance 75 Ohms
Nominal Input/Output Voltage 1 V p-p
Operating Wavelength 850/1300 nm
Optical Connectors ST or SMA
Signal Connectors BNC
Link Budget (850/1300)** 16/14 dB
Differential Gain 2 % Typical
Differential Phase 2 Degrees Typical
Signal to Noise Ratio 65 dB Minimum
Operating Temperature 0 - 50 C
Dimensions..1.5" dia., 1.5" L, 4.5"x2.5"x1"
Power Req..... 120/240 VAC 50-60 Hz

**62.5/125 μm fiber

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