Fiber Optic Video Link

V 2 5 0

Features:

- Easy to Install and Use
- Low Cost
- AGC is Standard
- Eliminates Ground Loops
- Distances up to 20 Km
- NTSC, PAL & SECAM compatible
- Available in MM and SM
- LED Indicator of Video Signal

The V-250 is designed for transmitting high quality video in any standard format over much longer distances than are possible with coaxial cable. The plug and play design make this system simple to install and use, the built-in automatic gain control eliminates the need for adjustments by automatically compensating 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. 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 VXT-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 VXT-250 mounts directly on the output BNC connector of the camera or video source. The V-250-850 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 V-250-1300MM and V250-1300SM can be used for distances of 10 or 20 km.

Terahertz Technologies Inc.

Made In the USA

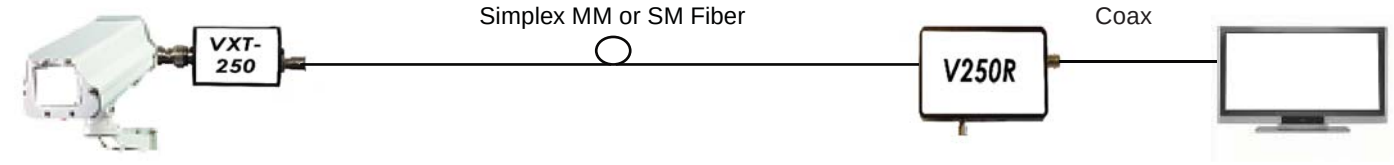
Terahertz Technologies Inc.
169 Clear Rd., Oriskany NY 13424
Tel:315-736-3642
sales@terahertztechnologies.com
www.terahertztechnologies.com

V-250 Specifications

System Bandwidth	10Hz - 10MHz (-3dB)
Input.Output Imdedance	75 Ohms
Norminal Input/Output Voltage	1V p-p
Operating Wavelength	850/1300nm
AGC Range	20dB
Optical Connectors	ST
Signal Connectors	BNC
Link Budget (850/1300)	16/14 dB
Differential Gain	2% Typical
Differential Phase	2 Degrees Typical
Signal To Noise Ratio	65dB Minimum
Operating Temperature	0 - 50 C
Dimensions Transmitter	1.5"Dia. x 1.5"L
Dimensions Receiver	4.5"L x 2.5"W x 1"H
Power Requirement	120/240 VAC 50-60Hz

TTI reserves the right to change specifications without notice.

Typical Installation



Ordering Information

Part Number	Wavelength	Cable	Max. Distance
V250-850	850nm	Multi-Mode	5 km
V250-1300SM	1310nm	Singlemode	20 km

Made In the USA

Terahertz Technologies Inc.
169 Clear Rd., Oriskany NY 13424
Tel:315-736-3642
sales@terahertztechnologies.com
www.terahertztechnologies.com