

WARRANTY

All fiber optic transmission systems, products and accessories manufactured by Liteway, Inc. and its subsidiaries are fully tested prior to shipment and are warranted against defective materials and workmanship for a period of five full years from the date of the original shipment. Should a problem occur, a Return Material Authorization Number (RMA) must be obtained from Liteway Inc. at (516) 931-2800 and the item returned to Liteway, Inc. 166 Haverford Road, Hicksville, NY 11801, USA, prepaid. Liteway Inc. will then, at its option repair or replace the defective item.

Liteway, Inc. maximum liability under this warranty is limited to the cost of the defective item only. No contingent liabilities of any kind are either assumed or implied.

Any items returned to Liteway, Inc. that have been misused, abused, damaged, modified, connected or adjusted in any way contrary to the instructions furnished by Liteway, Inc. or repaired by unauthorized personnel will not be covered by this warranty. Any non-warranty repairs required will be quoted at the current rate for such services.



Important Notices



CAUTION ! AVOID DIRECT EXPOSURE TO BEAM.

All -5, -7, -8, and -9 Models use laser diodes. These solid-state laser diodes are located in the optical ports of these units. Laser diodes produce invisible radiation that may be harmful to human eyes. Never look directly into the optical port of any fiber optic unit designed to operate with single-mode optical fiber.

NOT FOR LIFE SUPPORT SYSTEMS

Liteway, Inc. does not authorize or warrant any of its products or accessories for use in critical life support systems or applications of any kind.

OPERATING INSTRUCTIONS

Litelink® Fiber Optic Analog Video Transmission System

**Models; VT-1001, VR-1001,
VR-1002, VT-1301, VR-1301**



The VT/VR-1001 system consists of the VT-1001 transmitter and VR-1001 receiver and will transmit high quality analog baseband video in accordance with NTSC, PAL and SECAM specifications.

Technical Specifications

Video Bandwidth	10 MHz (30 MHz for VT/VR 1301)
In/Out Impedance	75 ohms
In/Out Signal Level	1 volt peak to peak
Signal/Noise Ratio	68 dB minimum
Differential Gain	5% typical
Differential Phase	1.5° max
Operating Wavelength	850 (-1), 1300 (-3,-7), 1550 (-9)
Optical Loss Budget	0 – 12 dB
Fibers Accommodated	1 Multimode (-1,-3), 1 Single-mode (-7,-9)
Temperature Range	-35° to +75°C
Power Requirements	11-24 VAC/DC @150 mA
Physical Size (mm)	5.0"(127)L x 1.0" (25.4)W x 3.0"(7)D

All specifications measured with 1Km of 62.5u multimode fiber.

All specifications are subject to change without prior notice.

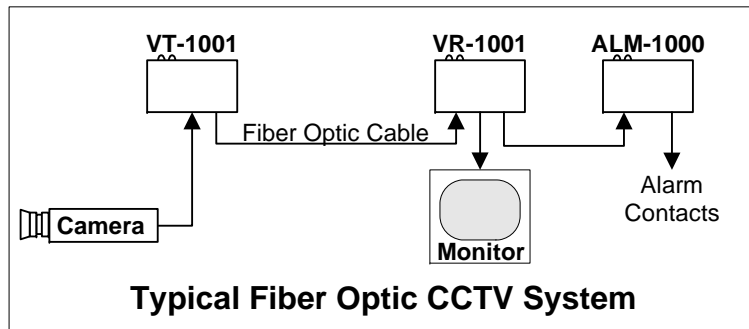
Litelink®
Fiber Optic Transmission Systems

www.LiteLink.com
USA 516-931-2800

Installation Instructions

The diagram below shows the typical installation of the VT-1001 and VR-1001 fiber optic video transmission units. Both should be connected exactly as shown. To compensate for the unique fiber optic losses of your installation there is a level adjustment on the VR-1001. Apply video signal applied to the transmitter and set the receiver level adjustment for a 1-volt peak-to-peak video output signal, or for an acceptable picture. The range of the receiver level control is adequate to allow the full 0 - 13dB optical path loss range to be accommodated.

A dual channel unit, the VR-1002 which consists of two VR-1001 mounted in the same housing to conserve rack space is also available.



Power Terminal Block Connections

Pin	Function
1	Alarm output for use with optional Alarm Sensing Unit ALM-1000. No other connections should be made to this terminal
2	+11 to 24 DC or AC Volts input
3	AC or DC return (Common to Housing)

Be certain to check all connections, settings and voltages before applying power

Indicator Lights

Indicator	Lights when
Pwr	Proper power is present.
Alrm	The loss of video alarm is activated and there is no video present
Sig	A video signal is being transmitted or received.

The **Alarm** switch is used to turn the alarm function on and off.