

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 -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

Fiber Optic Video Multiplexer Models; VT-9004, VR-9004



The VT/VR-9004 system consists of the VT-9004 transmitter and VR-9004 receiver and will transmit four separate channels of high quality base-band video on one fiber in accordance with NTSC, PAL and SECAM specifications.

Technical Specifications

Video Bandwidth	10 MHz
In / Output Impedance	75 ohms
In/Out Signal Level	1 volt peak to peak
Signal/Noise Ratio	60 dB minimum
Differential Gain	3% maximum
Differential Phase	3° maximum
Operating Wavelength	850 (-1), 1310 (-3,-7), 1550 (-9)
Optical Output	-14 dBm typical
Optical Loss Budget	0 – 13 dB
Fibers Accommodated	1 multimode (-1,-3), 1 single-mode (-7,-9)
Temperature Range	-35° to +75°C
Power Requirements	11-18 VAC/DC @750 mA
Physical Size (mm)	5.2"(132)L x 1.1." (28)W x 12.5"(317)D

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

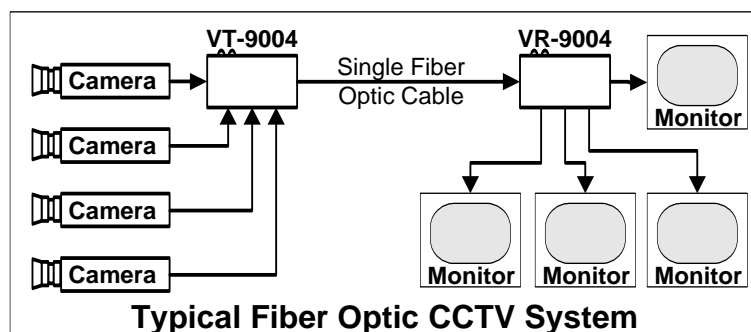
All specifications are subject to change without prior notice.

Litelink®
Fiber Optic Transmission Systems

www.LiteLink.com
USA 516-931-2800

Installation Instructions

The diagram below shows the typical installation of the VT-9004 and VR-9004 fiber optic video transmission units. Both should be connected exactly as shown. There are no adjustments necessary and each channel is totally independent of every other channel.



Indicator	Indicator lights when....
OPTICAL	The transmitter is generating an optical carrier and/or the receiver is receiving an optical carrier.
READY	The transmitter is modulating the optical carrier and/or the receiver is receiving the modulated carrier.
VIDEO IN (1 – 4)	Video signals are applied to the respective video input channels.
VIDEO OUT (1 – 4)	Video signals have been received and are available at the respective video output channels.

All video input and output signals are connected to the respective BNC connectors.

The **Power** Terminal Block Connections are:

- DC return (Common to Housing)
- +12VDC input (at 750mA. Maximum)

Note: Be certain to check all connections and voltages before applying power. Also note that the unit is reverse polarity protected.