

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

Fiber Optic Video

Transmission System

Models; VT-4005, VR-4005

Models; VT-4010, VR-4010

Models; VT-4100, VR-4100



The VT/VR-4005 system consists of the VT-4005 transmitter and VR-4005 receiver. A high quality system for transmitting up to 5 CATV VSB/AM video channels over fiber optics. Perfect for using in campus environments. Fiber optics provide for complete EMI immunity. The VT/R-4010 will transmit 10 CATV channels. The VT/R-4100 will transmit 125 CATV channels.

Technical Specifications

Bandwidth	5 MHz to 300 MHz (VT/R-4005) 5 MHz to 700 MHz (VT/R-4010) 5 MHz to 1200 MHz (VT/R-4100)
In/Out Impedance	75 ohms
In/Out Signal Level	10dB mV
Carrier/Noise Ratio	44 dB minimum
Signal Connector	BNC (with Type F adapter included)
Operating Wavelength	850 (-1), 1300 (-3,-7), 1550 (-9)
Optical Output	-14 dBm typical
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.

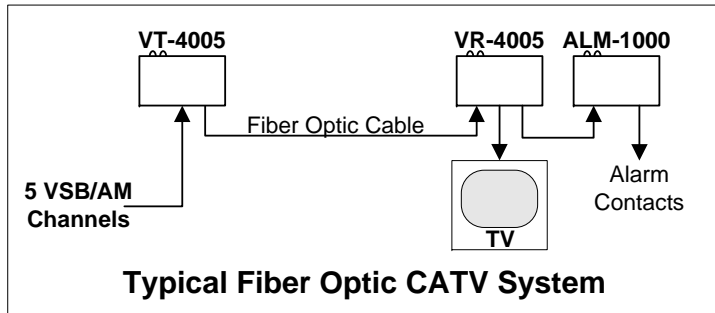
All specifications are subject to change without prior notice.

LuxLink®
Fiber Optic Transmission Systems

www.LuxLink.com
USA 516-931-2800

Installation Instructions

The diagram below shows the typical installation of the VT-4005 and VR-4005 fiber optic video transmission units. Both should be connected as shown.



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.

Type F Adapter

If your cable connections are Type-F connectors, use the supplied BNC to Type F adapter



Compensation for short or long fiber runs

On the VR-4005 there is a level adjustment to compensate for very short or very long fiber optic cable installations. On most typical installations no adjustment is needed. To make the adjustment, apply a video signal applied to the transmitter and view the picture on the TV receiver. If you do not have an acceptable image, turn the VR-4005 front panel adjustment as follows;

If the picture appears noise turn the pot clockwise.

If the picture tears, turn the adjustment counter-clockwise.