WARRANTY

All fiber optic transmission systems, products and accessories manufactured by Liteway, Inc. and it's 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.

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123031 Rev C

OPERATING INSTRUCTIONS

Distribution Amplifier Model VM-2004

The VM-2004 is a single input, quad output wide-band video distribution amplifier designed for those applications where a single video source must be routed to four separate locations. Although not a fiber optic system per se, the VM-2004 may be used with any fiber optic transmission system where multiple video signals are required.

Technical Specifications

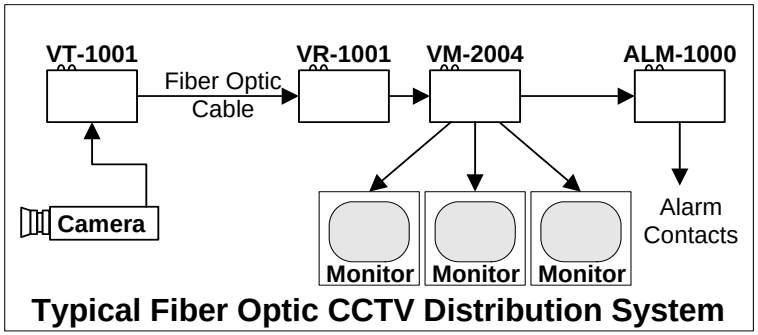
Video Bandwidth	DC to 100 MHz , 20Hz to 100 MHz
In/Out Impedance	75 ohms
In/Out Signal Level	1 volt peak to peak
Signal/Noise Ratio	75 dB minimum
Differential Gain	0.5% maximum
Differential Phase	0.5º maximum
Signal Connectors	BNC
Indicators	Power, Signal, Alarm
Temperature Range	-35º to +75ºC
Power 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 a typical installation of the VM-1004 Video Distribution Amplifier Module. A single input signal is split and routed to three separate isolated video outputs. Since the system is DC coupled, all portions of the video signal are passed to the various outputs. The VM-1004 also contains an alarm scheme that will sense the loss of an input signal and trigger an integral ALARM indicator as well as activate an optional ALM-1000 Alarm Sensing Module. A rear panel switch allows this feature to be turned off if so desired.



Typical Fiber Optic CCTV Distribution System

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 signal present
Sig	A signal is present.

Dip switch #1

This switch is used to turn the alarm function on and off.

Dip switch #2

This switch is used to set the input coupling for AC or DC.

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