

## Video Transmission

## VT/VR-4005

### For Cost-effective CATV Applications

The **LiteLink**® 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 campus environments. Fiber optics provide complete EMI immunity.

Both multimode and single-mode versions are available and installation only requires a simple one-minute adjustment. In addition, integral indicators are provided on both units to continuously indicate the presence of CATV signals as well as the presence of operating power making system troubleshooting simple.



### Technical Specifications

### Important Features

Bandwidth (minimum)	5 MHz to 300MHz
Input / Output Impedance	75 ohms
Input / Output Level	10 dB mV
Carrier/Noise Ratio*	44dB minimum
Operating Wavelength	850, 1310 or 1550nm
Optical Output Power	-14dBm (multimode) -14dBm (single-mode)
Optical Loss Budget	0-12dB (multimode) 0-12dB (single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Signal Connector	BNC (with F adapter inc.)
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
MTBF (per MIL HBK 217)	>120,000 hours
Power Requirements**	11-24 VAC/DC @150 mA
Physical Size (mm)	5.0" (127) x 3.0" (76) x 1.0" (25.4)

- **5 CATV Channels**
- **Signal/Power Indicators**
- **Multimode or Single-mode versions**
- **Low Cost**
- **Stand-alone, DIN or Rack Mountable (same unit)**

\*Measured with 1Km of 62.5u multimode fiber.  
All specifications are subject to change without prior notice.

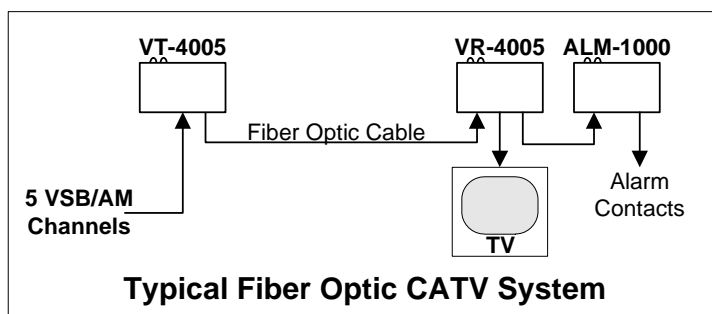
### Ordering Information

Transmitter	VT-4005-X
Receiver	VR-4005-X

"X" = Wavelength/Fiber

- 1 = 850nm Multimode
- 3 = 1310nm Multimode
- 7 = 1310nm Single-mode
- 9 = 1550nm Single-mode

\*\*For stand-alone operation order a PS-1205 power supply for each unit. For rack mounted operation all operating power is provided by power supply used with the rack-mounting panel.



**Liteway**®

Fiber Optic Transmission Systems

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