

For Cost-effective Video and Audio Applications

The **Litelink**® VAT/VAR-1001 system consists of the VAT-1001 transmitter and VAR-1001 receiver. Both units utilize linear modulation and wide-band low noise circuitry to transmit high quality video and stereo audio signals in accordance with NTSC, PAL or SECAM specifications. The unit will work with both balanced or unbalance Audio signals.

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



Technical Specifications

Video Bandwidth (minimum)	8 MHz (+0, -3dB)
Audio Bandwidth	15 KHz (+0, -3dB)
Input / Output Impedance	Video: 75 Ω ; Audio: 600 Ω
Input / Output Level	Video: 1 volt pp Audio: 1 volt rms Balanced or Unbalanced
Signal/Noise Ratio*	60 dB typical
Differential Gain/Phase*	3.0% / 3.0° typical
Audio Separation	60 dB
Operating Wavelength	850, 1310 or 1550nm
Optical Output Power	-16 dBm (multimode) -16 dBm (single-mode)
Optical Loss Budget	0-13 dB (multimode) 0-15 dB (single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Signal Connectors	Video: BNC Audio: Terminal Block
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
MTBF (per MIL HBK 217)	>120,000 hours
Power Requirements**	11-24 VAC/DC @ 250 mA
Physical Size (mm)	5.0" (127) x 3.0" (76) x 1.0" (25.4)

*Measured with 1Km of 62.5u multimode fiber.

Note that all specifications are subject to change without prior notice.

Important Features

- **8 MHz Video Bandwidth**
15 KHz Audio Bandwidth
- **Very Cost-effective**
- **Signal/Power Indicators**
- **Multimode or Single-mode versions**
- **Stand-alone, DIN or Rack Mountable (same unit)**

Ordering Information

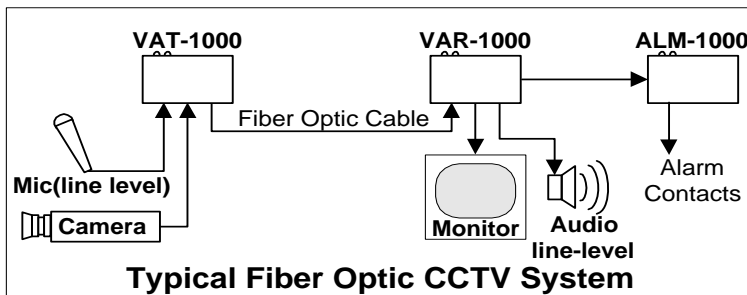
Transmitter, VAT-1001-X
Receiver, VAR-1001-X

"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.



Litelink®

Fiber Optic Transmission Systems

www.LiteLink.com
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