VIDEO/AUDIO   VCT/VCR-1001

For Cost-effective Video and Contact Closure Applications

The *Litelink®* VCT/VCR-1001 system consists of the VCT-1001 transmitter and VCR-1001 receiver. This model utilizes linear modulation and wide-band low noise circuitry to transmit high quality video and contact closure status on a single optical fiber. The contact is typically used for a tamper switch on camera housing. The VCR-1002 is a dual receiver in a single housing.

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

Technical Specifications   Important Features

Video Bandwidth	8 MHz (+0, -3dB)
Video In / Out Impedance	75 Ohms
Video In / Out Level	1 Volt peak to peak
Video Signal/Noise Ratio*	60dB typical
Operating Wavelength	850, 1310 or 1550nm
Optical Loss Budget	0-13dB (multimode)
	0-13dB (single-mode)
Optical Connectors	ST (multimode)
	FCPC (single-mode)
Signal Connectors	Video: BNC
	Contact: 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 @150 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.

- **8 MHz Video Bandwidth**

- **Very Cost-effective**

- **Signal, Power, Contact Indicators**

- **Stand-alone, DIN or Rack Mountable (same unit)**

Ordering Information

Transmitter, VCT-1001-X
Receiver, VCR-1001-X
Dual Rx, VCR-1002-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 the power supply used with the rack panel.

Typical Fiber Optic CCTV System
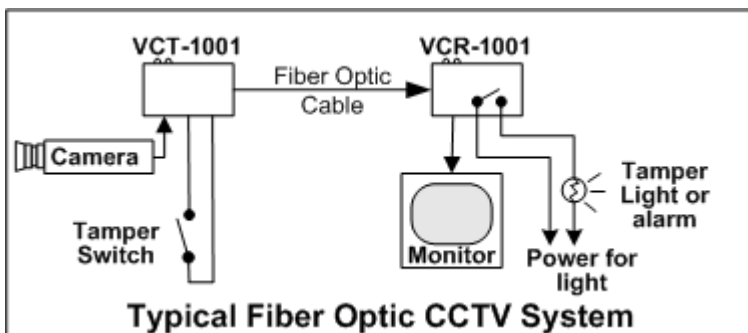
Fiber Optic Transmission Systems

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