

30 MHz Analog Video

VT/VR-1301

For High Bandwidth Radar and Analog Video Applications

The **Litelink**® VT/VR-1301 system consists of the VT-1301 transmitter and VR-1301 receiver. This system transmits wideband analog video signals in accordance with NTSC, PAL, SECAM and conventional analog radar specifications.

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



Technical Specifications

Video Bandwidth (minimum)	30 MHz (+0,-3dB)
Input/Output Impedance	75 ohms
Input/Output Level	1 volt pp
Signal/Noise Ratio*	68dB minimum
Differential Gain*	5.0% maximum
Differential Phase*	1.5° maximum
Operating Wavelength	850, 1310 or 1550nm
Optical Loss Budget	0-12dB (multimode or single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Signal Connector	BNC
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
MTBF (per MIL HBK 217)	>120,000 hours
Power Requirements**	11-18 VAC/DC @150 mA
Physical Size (mm)	5.0" (127) x 3.0" (76) x 1.0" (25.4)

*Measured with 10m of 62.5u multimode fiber.

Note that all specifications are subject to change without prior notice

Important Features

- **30MHz Video Bandwidth**
- **Signal/Power Indicators**
- **Multimode or Single-mode versions**
- **Stand-alone, DIN or Rack Mountable (same unit)**

Ordering Information

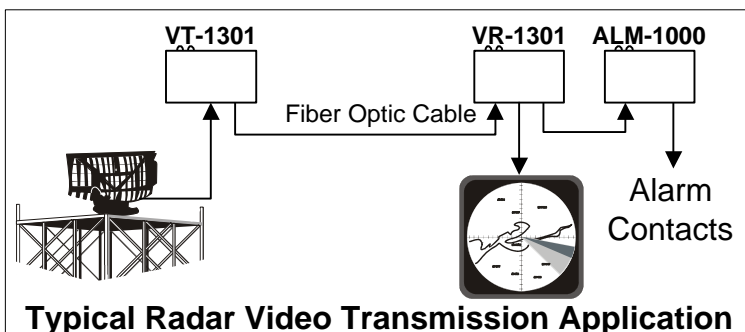
Transmitter, VT-1301-X
Receiver, VR-1301-X

"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

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