

FEATURES

- 5 Hz - 10 MHz Bandwidth
- 60 dB Signal-Noise
- Distances to 3.5 miles (5.5 km)
- 24 VAC Powered
- Fully color compatible
- Ambient Operating Temperature -40° C to +74° C
- NTSC, PAL, SECAM Compatible



SPECIFICATIONS

Input:	1 volt pk-pk (75 ohms)
Bandwidth:	5 Hz - 10 MHz
Differential Gain:	<5%
Differential Phase:	<5°
Tilt:	<1%
Signal-Noise:	60 dB
Operating Temp:	-40° C to +74° C
Storage Temp:	-40° C to +85° C
Relative Humidity:	0% to 95% (non-condensing)*
Wavelength:	850 nm
Number of Fibers:	1
Power:	24 VAC
MTBF:	>100,000 hours
Connectors	
Optical:	ST
Power:	Terminal block with screw clamps
Video:	BNC (gold plated center-pin)
Size (in.) (LxWxH):	4.2 x 3.5 x 2.0

*May be extended to humidity with condensation conditions by adding suffix "C" to model number for conformal coating.

PLUG AND PLAY OPERATION

- No Electrical or Optical Adjustments
- Distances up to 3.5 miles (5.5 km) without repeaters

SYSTEM FLEXIBILITY

- NTSC, PAL, SECAM Standards

QUALITY DESIGN

- Mil-Grade Circuit Board
- U.L. Listed, CE Approved
- Automatic Resettable Fuses
- 100,000 Hours MTBF
- Lifetime Warranty

APPLICATIONS

- CCTV (Fixed Video)

OPTICAL POWER BUDGET

62.5/125 Fiber (Loss Assumption: 4 dB/km)

TRANSMITTERS		RECEIVERS (Sensitivity)
Model No.	Output Power	VR1000, VR1001, VR1100, VR2100 (1uw), (-30 dBm)
VT1000AC	25 uw (-16 dBm)	14 dB 2.5 miles (4 km)
VT1002AC	100 μw (-10 dBm)	20 dB* 3.5 miles (5.5 km)

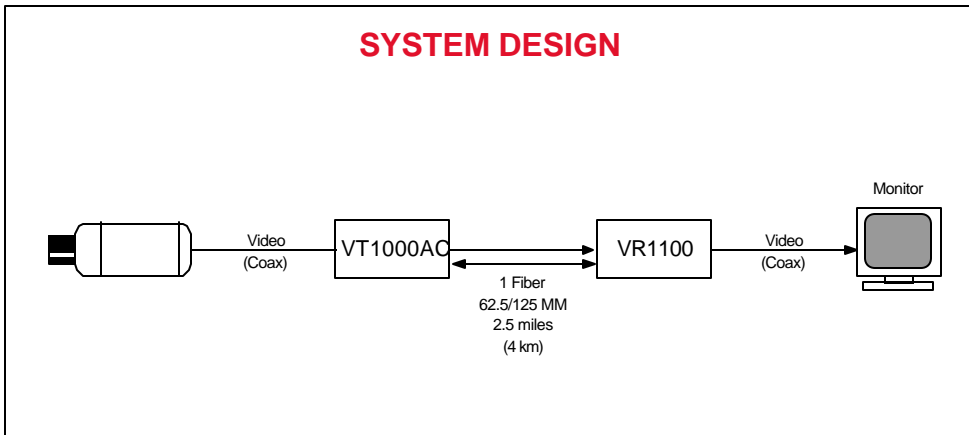
For 50/125 Fiber, subtract 4 dB

*Requires 6 dB minimum attenuation

ENGINEERING SPECIFICATIONS

The fiber optic video mini-transmitter shall be an IFS VT1000AC series. The unit shall provide transmission of video signals over standard 62.5/125 multimode fiber optic cable. Compatible receivers shall be IFS VR1000, VR1100, VR1001 and VR2100 series. It shall be fully color compatible. The unit shall provide for transmission of video over distances of up to 3.5 miles (5.5 km) without requiring manual adjustments. All printed circuit boards shall be manufactured from Mil-Grade specification circuit board material. The housing shall be all metal construction with all connections identified with silk screened labels. The units shall have solid state limiters on all power lines which shall provide for automatic reset. The unit shall be U.L. Listed.

SYSTEM DESIGN



MADE IN THE USA

Regulatory Agencies / Approvals:

ORDERING INFORMATION

VT1000AC Video Transmitter (850 nm, 1 Fiber, multimode)

VT1002AC Video Transmitter, high power (850 nm, 1 Fiber, multimode)

Compatible with: VR1000, VR1001, VR1100, VR2100 Series Receivers.

LISTED



Contract #
GS-03F-5043C



I.T.E.
6D16



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