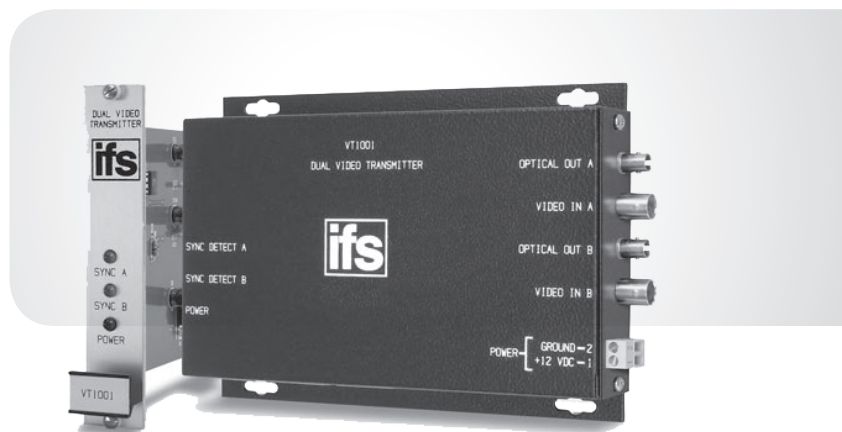


VT1001 Series

IFS Dual Independent AM Video Transmitter



OVERVIEW

The IFS VT1001 Series dual video transmitter provides transmission of two independent fixed video signals in one module utilizing AM modulation on two independent multimode fiber optic cables. The module is not a multiplexer. The module is ideal for smaller CCTV installations and the rack-mount version can be used to double the fixed video capacity of the R3 rack for up to 28 independent video channels per card cage. The VT1001 is compatible with the IFS VR1000, VR1001, VR1100, and VR2100 Series receivers. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. The module incorporates a power and channel A and B sync detect status indicating LED's for monitoring proper system operation. The module is available in either stand-alone or rack mount version.

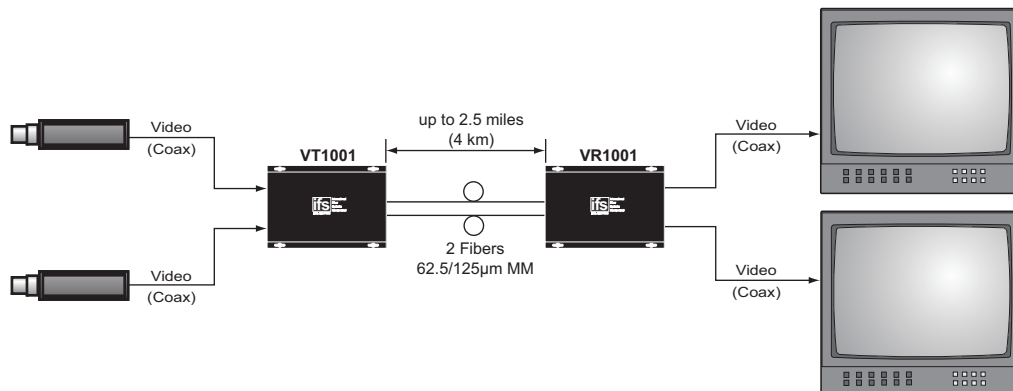
STANDARD FEATURES

- AM Video Transmission
- NTSC, PAL, SECAM Compatible
- Full Color Compatibility
- Two Independent Receivers in One Module
- Can be Used to Double the Fixed Video Capacity of an R3 Card Cage
- No In-field Electrical or Optical Adjustments Required
- Power and Sync Detect Status Indicating LED's to Monitor System Performance
- Distances up to 2.5 miles (4 km) without Repeaters
- Automatic Resettable Fuses on all Power Lines
- Hot-Swappable Rack Modules
- Comprehensive Lifetime Warranty

APPLICATION EXAMPLES

- CCTV (Fixed Video)

SYSTEM DESIGN



VT1001 Series

IFS Dual Independent AM Video Transmitter

North America
T 855-286-8889

Latin America
T 561-998-6114

Ordering Information

	Part Number	Description	Fibers Required	Optical Pwr. Budget	Max. Distance*
Multimode 62.5/125µm**	VT1001	Dual Video Transmitter (850 nm)	2	14 dB	2.5 miles (4 km)
		VT1001 Series is compatible with: VR1000, VR1001, VR1100 and VR2100 Series Receivers			
Accessories ♦	PS12VDC1.5A-U	12VDC, 1.5A Plug-in Power supply (110/220VAC) with Universal power plug adapter kit (Included)			
Options	Add '-R3' to Model Number for R3 Rack Mount - No Charge (Requires R3 Rack purchased separately)				

*Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels. Distance can also be limited by fiber bandwidth. **For 50/125 Fiber, subtract 4 dB from Optical Power Budget.

♦ All accessories are third party manufactured.

Specifications

Video	
Video Input:	1 volt pk-pk (75 ohms)
Bandwidth:	5 Hz - 10 MHz
Differential Gain:	<5%
Differential Phase:	<5°
Tilt:	<1%
Signal-to-Noise Ratio (SNR):	>60 dB typical, 54 dB minimum
Wavelength	
	850 nm, Multimode
Receiver Sensitivity	
	1 µw (-30 dBm)
Number Of Fibers	
	2
Connectors	
Optical:	ST
Power:	Terminal Block with Screw Clamps
Video:	BNC (Gold Plated Center-Pin)
Electrical & Mechanical	
Power:	12 VDC @ 150 mA
Rack:	From Rack
Number of Rack Slots	1
Current Protection:	Automatic Resettable Solid-State Current Limiters
Circuit Board:	Meets IPC Standard
Size (in./cm.) (LxWxH)	
Surface Mount:	7.0 x 4.9 x 1.0 in., 10.7 x 8.9 x 2.5 cm
Rack Mount:	7.7 x 5.0 x 1.0 in., 17.8 x 12.5 x 2.5 cm
Shipping Weight:	< 2 lbs./0.9 kg
Environmental	
MTBF:	> 100,000 hours
Operating Temp:	-40° C to +74° C
Storage Temp:	-40° C to +85° C
Relative Humidity:	0% to 95% (non-condensing)

Agency Compliance

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J



interlogix.com

Specifications subject to change without notice.

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VT1001 Series