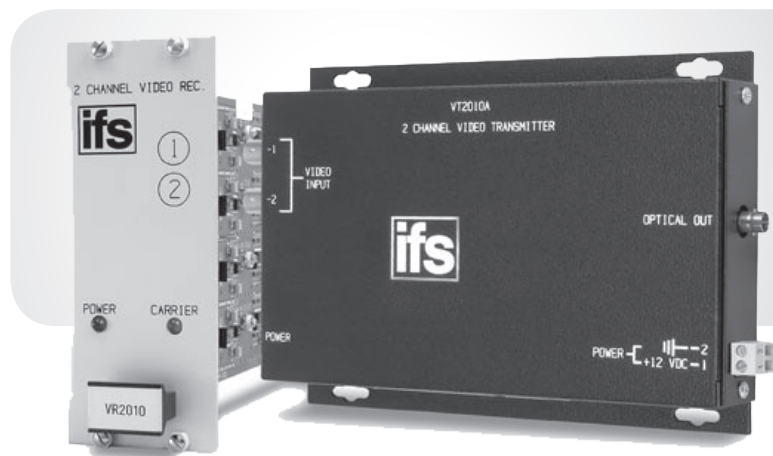


VT/VR2010 Series

IFS 2-Channel Video Multiplexer



OVERVIEW

The IFS VT/VR2010 Series multiplexer simultaneously transmits two channels of real-time video signals over one multimode optical fiber. The modules utilize frequency modulation (FM) to reduce ghosting, jitter and cross-talk between channels, thereby providing superior video transmission. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. The modules incorporate power and carrier detect status indicating LED's for monitoring proper system operation. The modules are available in either stand-alone or rack mount version.

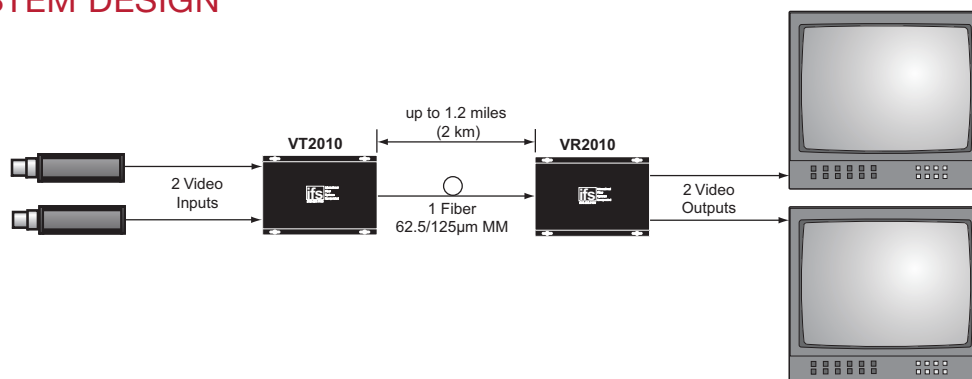
APPLICATION EXAMPLES

- Installations with Limited Fiber
- Retrofits/System Upgrades
- Conduit with Limited Space for Additional Cabling

STANDARD FEATURES

- FM Design
- Transmits and Receives Two Real-Time Video Signals
- 10 MHz Bandwidth Per Individual Channel
- NTSC, PAL, SECAM Compatible
- Full Color Compatibility
- Reduces Fiber/Cabling Cost
- No In-field Electrical or Optical Adjustments Required
- Power and Carrier Detect Status Indicating LED's to Monitor System Performance
- Hot-Swappable Rack Modules
- Automatic Resettable Fuses on all Power Lines
- Comprehensive Lifetime Warranty

SYSTEM DESIGN



VT/VR2010 Series

IFS 2-Channel Video Multiplexer

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**	VT2010	2-Channel Video Transmitter/Multiplexer (850 nm)	1	10 dB	1.2 miles (2 km)***
	VR2010	2-Channel Video Receiver/Demultiplexer (850 nm)	1	10 dB	1.2 miles (2 km)***
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.

*** This product may be used with 62.5 µm graded index multimode fiber having a maximum run length of 2 km and/or a maximum optical loss budget of 10 dB.

♦All accessories are third party manufactured.

Specifications

Video

Video Input:	1 Volt pk-pk (75 ohms)
Bandwidth:	10 Hz - 10 MHz (Typical)
Differential Gain:	<5%
Differential Phase:	<5°
Tilt:	<1%
Signal-to-Noise Ratio (SNR):	55 dB (typical)

Wavelength

850 nm, Multimode

Number Of Fibers

1

Connectors

Optical:	ST
Power and Audio:	Terminal Block with Screw Clamps
Video:	BNC (Gold Plated Center-Pin)

Electrical & Mechanical

Power:	
Surface Mount:	12 VDC @ 450 mA
Rack:	From Rack
Number of Rack Slots:	2
Current Protection:	Automatic Resettable Solid-State Current Limiters
Max. RG59 Cable Length:	750 ft.
Circuit Board:	Meets IPC Standard
Size (in./cm.) (LxWxH)	
Surface Mount:	7.0 x 4.9 x 1.0 in., 17.8 x 12.5 x 2.5 cm
Rack Mount:	7.7 x 5.0 x 2.0 in., 19.6 x 12.7 x 5.1 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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VT/VR2100 Series