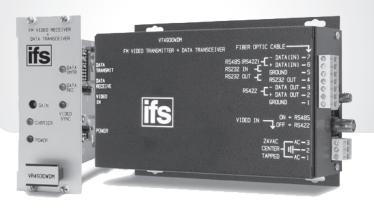
VT/VR4930WDM Series

IFS FM Video with Bi-Directional Data



OVERVIEW

The IFS VT/VR4930WDM Series video transmitter/data transceiver and video receiver/data transceiver units utilize frequency modulation for high video transmission quality. These environmentally hardened units provide the simultaneous transmission of video and full-duplex data over one single mode optical fiber and are ideal for use in unconditioned out-of-plant or roadside installations. Completely transparent to and universally compatible with any NTSC, PAL, or SECAM CCTV camera system. All standard pan-tilt-zoom control signals including RS-232, RS-422, and 2-wire RS-485 data are supported. Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required. LED indicators are provided for rapidly ascertaining equipment operating status, and these units are available in either stand-alone or rack mount configurations.

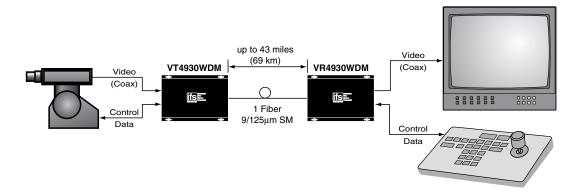
APPLICATION EXAMPLES

CCTV with PTZ Control

SYSTEM DESIGN

STANDARD FEATURES

- Frequency Modulation for High Quality Video Transmission
- Directly Compatible with All NTSC, PAL, or SECAM CCTV Camera Systems
- LED Status Indicators Provide Rapid Indication of Critical Operating Parameters
- Integrated WDM for Greater Reliability
- Solid-State Current Limiters on All Power Lines Provide Equipment Protection
- Wide Optical Dynamic Range: Optical Attenuators are Never Required
- Robust Design Ensures Extremely High Reliability In Unconditioned Roadside Environments
- Tested and Certified by an Independent Testing Laboratory for Full Compliance with the Environmental Requirements (Ambient Operating Temperature, Mechanical Shock, Vibration, Humidity with Condensation, High-Line/Low-Line Voltage Conditions and Transient Voltage Protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment.
- NTCIP Compatible
- Comprehensive Lifetime Warranty



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Ordering Information

	Part Number	Description	Fibers Required	Optical Pwr. Budget	Max. Distance*
Single Mode 9/125µm	VT4930WDM	Video Transmitter/Data Transceiver (1310/1550 nm)	1	23 dB	43 miles (69 km)
	VR4930WDM	Video Receiver/Data Transceiver (1550/1310 nm)	1	23 dB	43 miles (69 km)
Accessories ♦	PS12VDC1.5A-U	J 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

ata,		
l Data,		
Terminal Block with Screw Clamps		
BNC (Gold Plated Center-Pin)		
VT: 24 VAC C.T. @ 300 mA		
7.7 x 5.0 x 2.0 in., 19.6 x 12.7 x 5.1 cm		

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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