

Overview

The IFS Fiberpak™ FP1500WDM fiber optic transmission kit includes everything you need to transmit a CCTV signal with one-way PTZ control data on one multimode optical fiber. The kit includes a transmitter and receiver that are designed to be universally compatible with major CCTV camera manufacturers and support RS-232 and RS-422 data interfaces and all major data protocols. In addition the kit includes wall mount AC transformers for both transmitter and receiver as well as a complete installation and operations manual. FiberPak™ Videolinks Plug-and-play design and included accessories make selecting the right fiber optic modules for your installation easy.

Application Examples

Compatible with:

- Kalatel® Video and One-Way RS-422 Data
- Pelco® Video and One-Way Type "P" Data
- Pelco® Video and One-Way Type "D" Data
- Sensormatic AD® Video and One-Way Manchester Data
- Vicon® Video and One-Way Modupulse Data

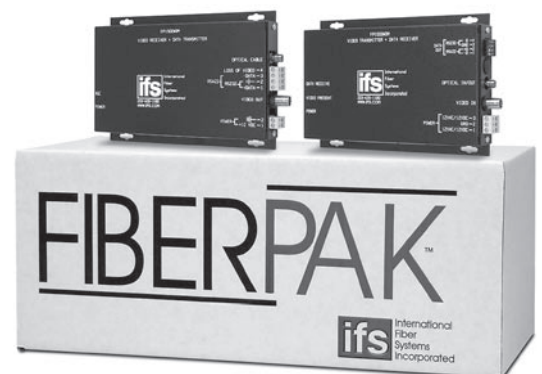
Video with One-Way Data Transmission

Transmit a CCTV signal with
one-way PTZ control data on
one multimode optical fiber.



Standard Features

- AM Transmission
- Automatic Resettable Fuses on all Power Lines
- Power Supplies and Installation Manuals Included
- Supports RS-232 or RS-422 Data Interfaces
- Transparent to Data Encoding/Compatible with Major CCTV Camera Manufacturers
- Full Range Automatic Gain Control (AGC)
- No In-field Electrical or Optical Adjustments Required
- NTCIP Compatible
- Full Color Compatibility
- 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.
- Power, Video Presence In, Data Out, and AGC Status Indicating LED's to Monitor System Performance
- Integrated WDM for Greater Product Reliability
- NTSC, PAL, SECAM Compatible
- Distances up to 2.5 miles (4 km) without Repeaters
- Comprehensive Lifetime Warranty



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Specifications subject to change without notice

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Agency compliance



Made in the USA

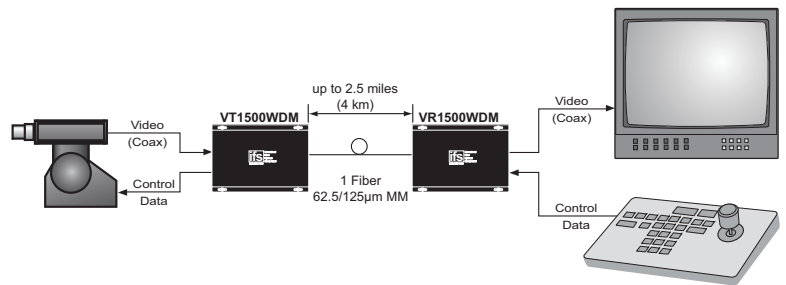
Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

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):	>55 dB @ 10 dB Attn.
Data	
Data Interface:	RS-232, RS-422
Data Format:	NRZ, NRZI, Manchester, Bi-phase
Data Rate:	DC-100 Kbps (NRZ)
Sync	
Output Voltage:	4 volt negative pulse
Impedance:	75 ohms
Wavelength	
850/1310 nm, Multimode	
Number Of Fibers	
VT1500: 2 VT1500WDM: 1	
Connectors	
Optical:	ST
Power and Data:	Terminal Block with Screw Clamps
Video and Sync:	BNC (Gold Plated Center-Pin)
Electrical & Mechanical	
Power:	
Transmitter:	24 VAC C.T. @ 200 mA
Receiver:	12 VDC @ 500 mA
Current Protection:	Automatic Resettable Solid-State Current Limiters
Circuit Board:	Meets IPC Standard
Size (in./cm.) (LxWxH)	7.0 x 4.9 x 1.0 in., 17.8 x 12.5 x 2.5 cm
Surface Mount:	
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)†

†May be extended to condensation conditions by adding suffix '-C' to model number for conformal coating.

System Design



Ordering Information

	Part Number	Description	Fibers Required	Optical Pwr. Budget	Max. Distance*
Multimode 62.5/125µm**	FP1500WDM	FiberPak™ Video Transmitter (850/1310 nm) FiberPak™ Video Receiver (1310/850 nm)	1	14 dB	2.5 mile (4 km)
Accessories♦	PS-12VDC 12 Volt DC Plug-in Power Supply (Included) PS-12VDC-230 12 Volt DC Plug-in Power Supply, 230 VAC Input (Included if specified at time of order)				

*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.

