

Overview

The IFS Fiberpak™ FP1910WDM fiber optic transmission kit includes everything you need to transmit a CCTV signal and bi-directional data simultaneously over 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, RS-422, and 2-wire or 4-wire RS-485 data interfaces and all major data protocols. In addition, the kit includes wall mounted 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:

- Javelin® Video and Bi-Directional RS-232 Data
- Panasonic® Video and Bi-Directional RS-422 Data
- Sensormatic® AD Video and Bi-Directional RS-422 Data
- Vicon® Video and Bi-Directional RS-422 Data

Video with Bi-Directional Data Transmission

Transmits a CCTV signal and
bi-directional data simultaneously
over one multimode optical fiber.



FP1910WDM Fiberpak™ Video Link IFS Video with Bi-Directional Data Transmission Kit

Standard Features

- FM Video Transmission
- Power Supplies and Installation Manuals Included
- Supports RS-232, RS-422, RS-485 (2-wire or 4-wire) Data Interfaces
- Transparent to Data Encoding/Compatible with Major CCTV Camera Manufacturers
- Power and Carrier Detect Status Indicating LED's to Monitor System Performance
- Integrated WDM for greater Product Reliability
- No In-field Electrical or Optical Adjustments Required
- Distances up to 2.5 Miles (4 km) Without Repeaters
- NTCIP Compatible
- 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.
- Hot-Swappable Rack Modules
- Full Color Compatibility
- NTSC, PAL, SECAM Compatible
- Automatic Resettable Fuses
- Comprehensive Lifetime Warranty



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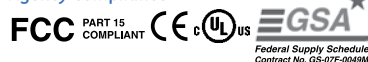
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gesecurity.com/ifs

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 - 8 MHz
Differential Gain: <5%
Differential Phase: <5°
Tilt: <1%
Signal-to-Noise Ratio (SNR): >55 dB @ 10 dB Attn.

Data

Data Interface: RS232, RS-422, Transformer, RS-485 (2 and 4 wire)
Data Format: NRZ, NRZI, Manchester, Bi-phase

Wavelength

850/1310 nm, Multimode

Number of fibers

1

Connectors

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

Electrical & Mechanical

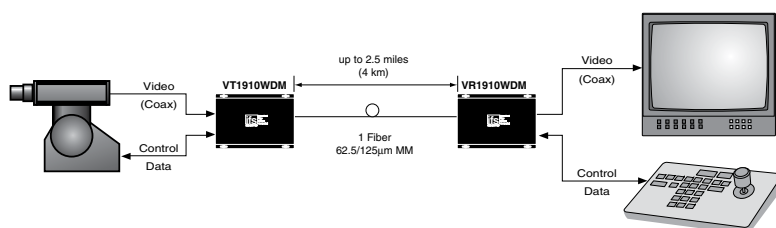
Power: 12 VDC @ 200 mA
Current Protection: Automatic Resettable Solid-State Current Limiters
Circuit Board: Meets IPC Standard
Size (in./cm.) (LxWxH)
Surface Mount: 7.0 x 4.9 x 1.0 in., 17.8 x 12.5 x 2.5 cm
Shipping Weight: < 2 lbs./0.9 kg

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)†

†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**	FP1910WDM	FiberPak™ Video Transmitter (850/1310 nm) FiberPak™ Video Receiver (1310/850 nm)	1	14 dB	2.5 miles (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.



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