

GE Security

Overview

The IFS Fiberpak™ FP1505WDM fiber optic transmission kit is designed for full compatibility with “Up-the-Coax” video/data systems from major manufacturers such as Panasonic Proteus™, Pelco Coaxitron™, Robot, Vicon Vicoax™, Videolarm CoaxLynx™, Elbex, and others. The kit includes a transmitter and receiver designed to support the simultaneous transmission of video and “Up-the-Coax” one-way data over one multimode optical fiber. 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:

- Panasonic®
- Pelco® Coaxitron™
- Robot®
- Vicon® Vicoax™
- Videolarm® CoaxLynx™

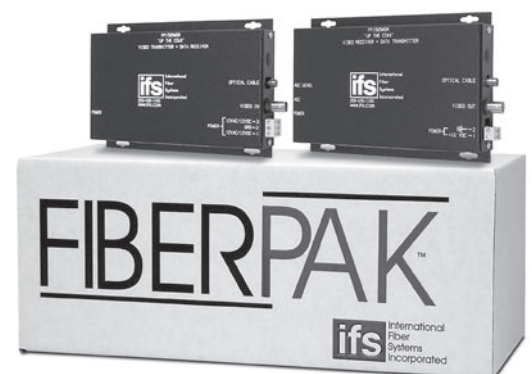
FP1505WDM Fiberpak™ Video Link IFS Video with One-Way “Up-the-Coax” Data Transmission Kit

Standard Features

- Transmission of Video and “Up-the-Coax” One-Way Data
- Automatic Resettable Fuses on all Power Lines
- Distances up to 1 mile (1.6 km) – Limited by the Manufacturer’s “Up-the-Coax” Specifications on Copper Wire
- Full Range Automatic Gain Control (AGC)
- Transparent to Data Encoding / Compatible with Major Data Protocols
- No In-field Electrical or Optical Adjustments Required
- Power and AGC Status Indicating LED’s to Monitor System Performance
- Integrated WDM for Greater Product Reliability
- Power Supplies and Installation Manuals Included
- NTSC, PAL, SECAM Compatible
- Full Color Compatibility
- Comprehensive Lifetime Warranty

Video with One-Way “Up-the-Coax” Data Transmission

Designed to support the simultaneous transmission of video and “Up-the-Coax” one-way data over one multimode optical fiber.



GE Security

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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: Pelco Coaxitron™, Vicon Vicoax™, Panasonic Proteus™[•], Robot and Videolarm
 Data Rate: DC-100 Kbps (NRZ)

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

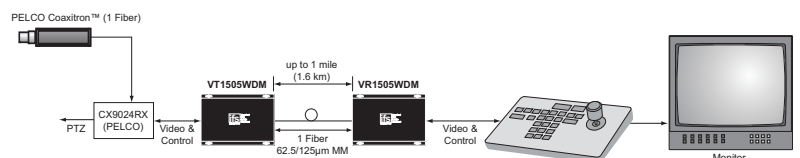
MTBF: > 100,000 hours
 Operating Temp: -40° C to +74° C
 Storage Temp: -40° C to +85° C
 Relative Humidity: 0% to 95% (non-condensing)†

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

Note: Coaxitron is a registered trademark of PELCO. Vicoax is a registered trademark of Vicon Industries, Inc. Proteus is a registered trademark of Panasonic, Inc.

- Maximum distance for the Panasonic Proteus™ is 1.5 km.

System Design



Ordering Information

	Part Number	Description	Fibers Required	Optical Pwr. Budget	Max. Distance*
Multimode 62.5/125µm**	FP1505WDM	FiberPak™ Video Transmitter (850/1310 nm) FiberPak™ Video Receiver (1310/850 nm)	1	14 dB	1 mile (1.6 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.

