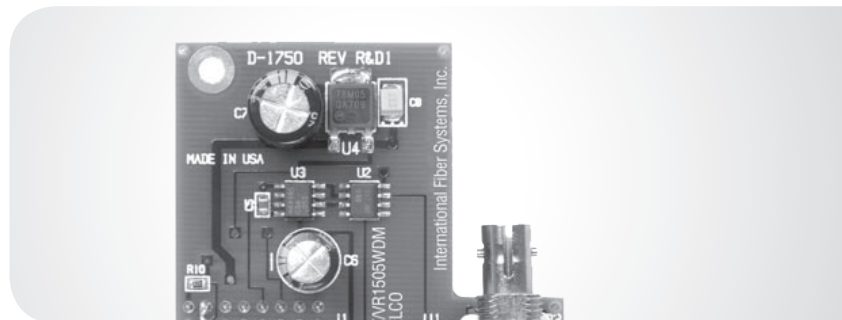


VT1505WDM-Pelco Series

IFS Video with One-Way Data



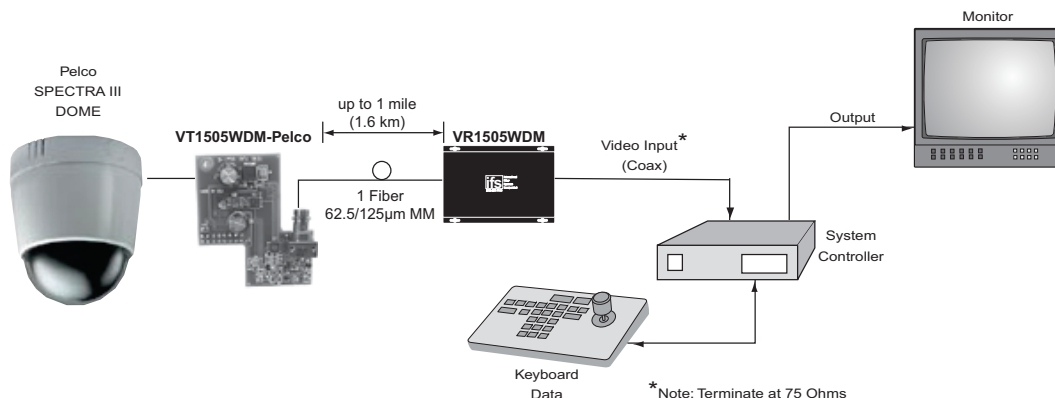
OVERVIEW

The IFS VT1505WDM-Pelco Series is a miniature video transmitter and data receiver using one multimode fiber optic cable. It plugs directly into the Pelco SPECTRA III and SPECTRA IV DOME data converter connector. The VT1505WDM-Pelco is designed for the Pelco Coaxitron protocol and has identical performance as the standard VT1505WDM and is compatible with the standard VR1505WDM (R3). Designed for easy and fast installation the VT1505WDM-Pelco has no external electrical connections and requires no external power.

STANDARD FEATURES

- AM Video Transmission
- NTSC, PAL, SECAM Compatible
- Full Color Compatibility
- Supports Pelco Coaxitron Protocol
- Transparent to Data Encoding
- Full Range Automatic Gain Control (AGC)
- No In-field Electrical or Optical Adjustments Required
- Integrated WDM for Greater Product Reliability
- Distances up to 1 miles (1.6 km) without Repeaters
- Available in FiberPak™
- Comprehensive Lifetime Warranty

SYSTEM DESIGN



VT1505WDM-Pelco Series

IFS Video with One-Way Data

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**	VT1505WDM-PELCO	Video Transmitter/Data Receiver (850/1310 nm)	1	14 dB	1 mile (1.6 km)
	VR1505WDM	Video Receiver/Data Transmitter (1310/850 nm)	1	14 dB	1 mile (1.6 km)

*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.

Specifications

Video

Video Output:	1 Volt pk-pk (75 ohms)
Bandwidth:	5 Hz - 10 MHz (At 6 dB attenuation)
Differential Gain:	<5%
Differential Phase:	<5 °
Tilt:	<1%
Signal-to-Noise Ratio (SNR):	>55 dB @ 10 dB attn

Data

Data Interface:	Coaxitron
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Wavelength

850/1310 nm, Multimode

Number Of Fibers

VT1505WDM-Pelco: 1

Connectors

Optical:	ST
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Electrical & Mechanical

Power:	
VT1505WDM-Pelco:	From Pelco DOME
Circuit Board:	Meets IPC Standard
Size (in./cm.) (LxWxH)	2.375 x 2.25 x .875 in., 8.6 x 5.715 x 2.2 cm
Shipping Weight:	< 1/2 lbs./ .23 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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VT1505WDM_Pelco Series