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

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Fibers Required</th>
<th>Optical Pwr. Budget</th>
<th>Max. Distance*</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1010</td>
<td>850 nm, MM</td>
<td>2</td>
<td>14 dB</td>
<td>1 mile (1.6 km)</td>
</tr>
<tr>
<td>D1010WDMA</td>
<td>850/1310 nm, MM</td>
<td>1</td>
<td>14 dB</td>
<td>1 mile (1.6 km)</td>
</tr>
<tr>
<td>D1030</td>
<td>1310 nm, SM</td>
<td>2</td>
<td>14 dB</td>
<td>1 mile (1.6 km)</td>
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<tr>
<td>D1030WDMB</td>
<td>1310/850 nm, MM</td>
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<td>14 dB</td>
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</tr>
</tbody>
</table>

*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: Coaxtron

Wavelength
- 850/1310 nm, Multimode

Number Of Fibers
- VT1505WDM-Pelco: 1

Connectors
- Optical: ST

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., 6.6 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

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Specifications subject to change without notice.