

Overview

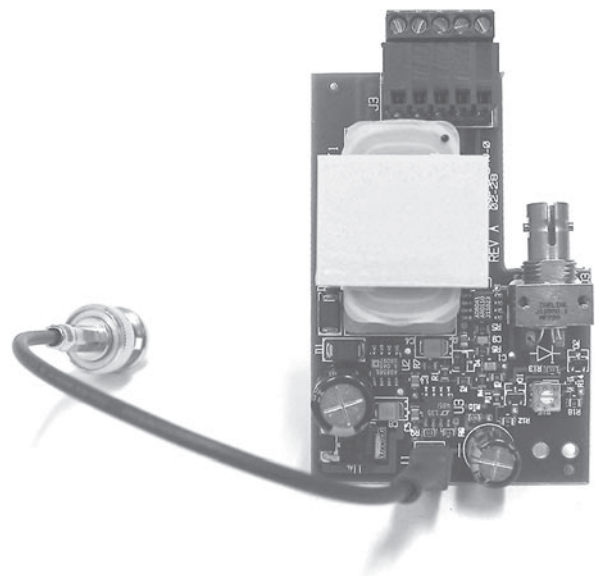
The IFS VT1500WDM-Ultrak is a miniature video transmitter and data receiver using one multimode fiber optic cable. It plugs directly into the Ultrak KD6™ dome housing. The VT1500WDM-Ultrak has identical performance as the standard VT1500WDM and is compatible with the standard VR1500WDM (R3). Designed for easy and fast installation the VT1500WDM-Ultrak has no external electrical connections and requires no external power.

Standard Features

- AM Video Transmission
- NTSC, PAL, SECAM Compatible
- Full Color Compatibility
- Supports Ultrak KD6™ Dome
- 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 2.5 miles (4 km) without Repeaters
- Comprehensive Lifetime Warranty

Video with One-Way Data

Designed for use in the
Ultrak KD6™ dome housing.



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Specifications subject to change without notice

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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: RS-232, RS-422

Wavelength 850/1310 nm, Multimode

Number Of Fibers VT1500WDM-Ultrak: 1

Connectors
 Optical: ST

Electrical & Mechanical
 Power: 24 VAC
 VT1500WDM-Ultrak: Meets IPC Standard
 Circuit Board: 2.375 x 2.25 x .875 in., 8.6 x 5.715 x 2.2 cm
 Size (in./cm) (LxWxH):
 Shipping Weight: < 1/2 lb./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)†

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

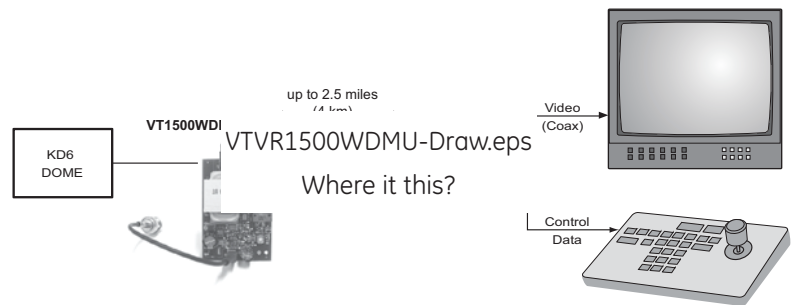
Agency compliance



Made in the USA

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

System Design



Ordering Information

	Part Number	Description	Fibers Required	Optical Pwr. Budget	Max. Distance*
Multimode 62.5/125µm**	VT1500WDM-Ultrak VR1500WDM	Video Transmitter/Data Receiver (850/1310 nm) Video Receiver/Data Transmitter (1310/850 nm)	1	14 dB	2.5 miles (4 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.

