GE
Security

VT1500WDM-Kalatel
IFS Video with One-Way Data and Contact Closure

Overview

The VT1500WDM-Kalatel video transmitter and data receiver module is designed for use in the Kalatel Cyberdome™ dome system with Cybermount™ side conduit entry. This module allows the dome camera to be connected directly to optical fiber, providing a fully integrated solution. This unit mounts directly into the dome's wallmount, replacing the traditional power, data and coaxial cable connection within the arm. The IFS VT1500WDM-Kalatel allows for the simultaneous transmission of video and one-way data over one optical fiber. The unit supports the RS-422 data protocol that Kalatel utilizes for camera pan, tilt and zoom control. The unit also has a contact closure input for adding a device such as a dome tamper switch or alarm input, enabling a signal to be transmitted back to the monitoring location.

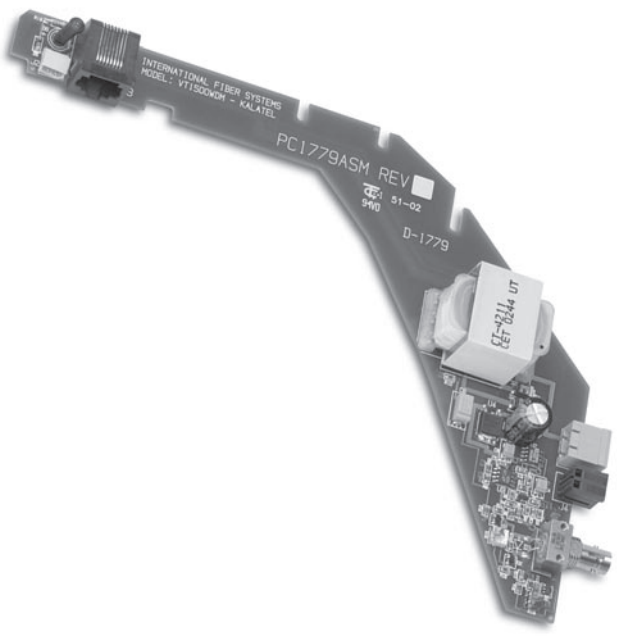
The optical output of the dome is compatible with the standard IFS VR1500WDM receiver or VR1500WDM-CC, and is designed for quick and easy installation into the Cybermount™ side conduit entry arm and utilizes one multimode optical fiber. In addition, the VT1500WDM-Kalatel transceiver is designed to be an integral part of the Cyberdome™ system, there are no external electrical connections, the fiber module requires no external power source and no additional hardware at the camera site.

Standard Features

- AM Video Transmission
- NTSC, PAL Compatible
- Supports Kalatel RS-422 Data Interface
- Transparent to Data Encoding
- Full Range Automatic Gain Control (AGC)
- No External Power Supply Required
- No In-field Electrical or Optical Adjustments Required
- Integrated WDM for Greater Product Reliability
- Distances up to 2.5 miles (4 km) without Repeaters
- Available in FiberPak™
- Comprehensive Lifetime Warranty

Video with One-Way Data and Contact Closure

Designed for use in the Kalatel Cyberdome™ dome system with Cybermount™ side conduit entry.



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F 305-593-4300

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Specifications subject to
change without notice

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-422
Wavelength	850/1310 nm, Multimode
Number Of Fibers	VT1500WDM-KL, VR1500WDM, VR1500-CC: 1
Connectors	
Optical:	ST
Power, Heater Power and CC:	Terminal Block with Screw Clamps
Data:	RJ-45
Electrical & Mechanical	
Power:	
VT1500WDM-Kalatel:	24 VAC
VR1500WDM:	12 VDC
VR1500WDM-CC:	12 VDC
Circuit Board:	Meets IPC Standard
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)†

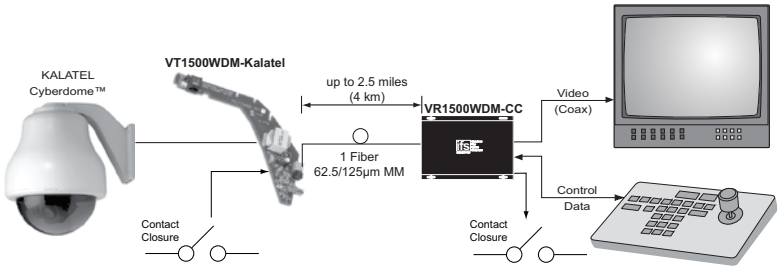
†May be extended to condensation conditions by adding suffix '–C' to model number for conformal coating.

Agency compliance

FCC PART 15 COMPLIANT CE cULus GSA
Federal Supply Schedule
Contract No. GS-07F-0049M

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-Kalatel VR1500WDM VR1500WDM-CC	Video Transmitter/Data Receiver (850/1310 nm) Video Receiver/Data Transmitter (1310/850 nm) Video Receiver/Data Transmitter w/CC (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.

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