

Overview

The VT1500WDM-Ademco video transmitter and data receiver module is designed for use in the Ademco RapidDome™ and RapidGold™ camera system. 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 power supply enclosure, replacing the traditional power, data and coaxial cable connection. The IFS VT1500WDM-Ademco allows for the simultaneous transmission of Video, PTZ Data and Contact Closure over one optical fiber. The unit features a contact closure input that allows an additional device such as a dome tamper switch or alarm input to be added and its signal transmitted back to the monitoring location. This feature eliminates the need for installing additional wiring to support the alarm contact closure.

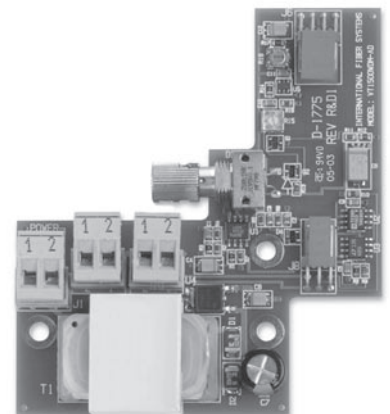
The optical output of the dome is compatible with the standard IFS VR1500WDM receiver or VR1500WDM-CC, and is designed for quick and easy installation into the RapidDome™ system and utilizes one multimode optical fiber. In addition, the VT1500WDM-Ademco transceiver is designed to be an integral part of the RapidDome™ and RapidGold™ system, there are no external electrical connections or additional hardware at the camera site.

Standard Features

- AM Video Transmission
- NTSC, PAL Compatible
- Supports Ademco 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 PTZ Data and Contact Closure

Designed for use in the Ademco RapidDome™ and RapidGold™ camera systems.



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gesecurity.com/ifs

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-422
Wavelength	
	850/1310 nm, Multimode
Number Of Fibers	
	VT1500WDM-AD, VR1500WDM, VR1500-CC: 1
Connectors	
Optical:	ST
Power, Data and CC:	Terminal Block with Screw Clamps
Electrical & Mechanical	
Power:	
VT1500WDM-AD:	24 VAC from Ademco Dome
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.

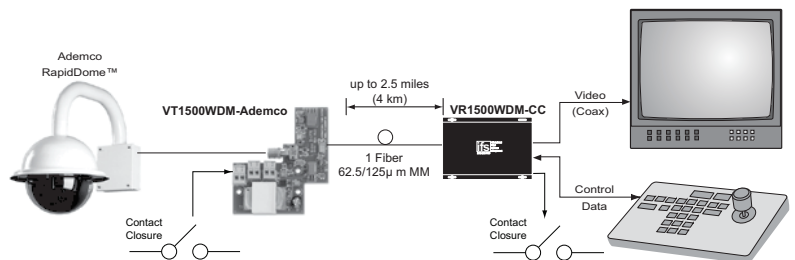
Agency compliance



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-Ademco 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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