



**M1450  
SERIES  
MULTIMODE**

**VIDEO AND DATA TRANSCEIVER**

**Video/Contact Closure and RS422 Data for Ademco RapidDome**

**FEATURES:**

- ◆ Mounts Directly into Dome Housing
- ◆ Single Fiber Video and PTZ Control
- ◆ Derives Power from Dome Power Supply
- ◆ Module or Rack Card Receiver
- ◆ Compatible Ademco RS422 Protocol
- ◆ Completely Transparent Installation

**SPECIFICATIONS:**

**Video:**

I/O Level ..... 1 Vp-p  
 I/O Impedance ..... 75 Ohms  
 Bandwidth ..... 6 MHz  
 Differential Gain ..... 5%  
 Differential Phase ..... 5°  
 SNR ..... 55 dB

**Data:**

Data Rate ..... DC to 19.2 Kb/s  
 Data interface ..... RS422

**Contact Closure:**

Input ..... Switch Closure to Ground  
 Output ..... Dry Contact  
 Response Time ..... 2 mS  
 Max Voltage ..... 100 VDC or Peak AC  
 Max Current ..... 0.5 A  
 Connector ..... Terminal Block

**Optical:**

Wavelength ..... 850/1300 nm  
 Loss Budget (62.5/125µm fiber) ..... 12 dB  
 Connector ..... ST

**Temperature (Operating)**

-40°C to +75°C, non-condensing

**Power Supply:**

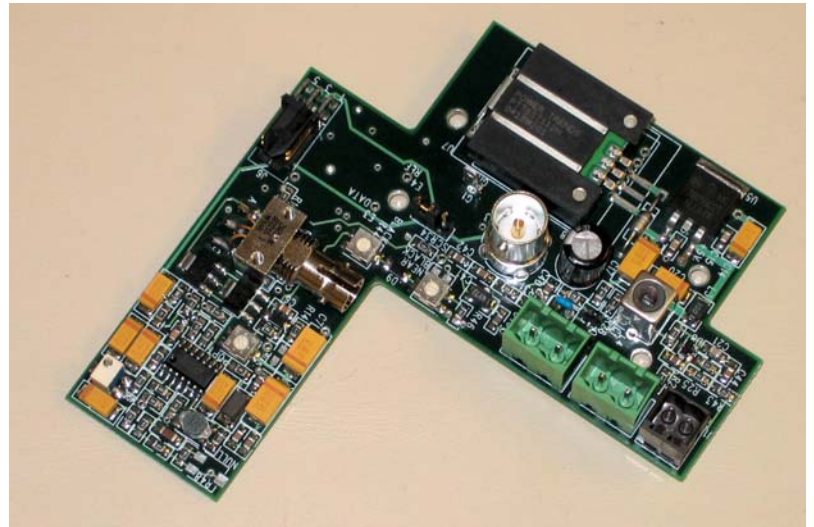
Module Transmitter: +24 VAC @ 100 mA  
 (From Dome Power Supply)  
 Module Receiver: +12 VDC: 200 mA  
 (AFI Part#: PS-12)  
 Rack Card Receiver- from SR-20 Rack

**Size:**

Transmitter: 4" x 4" x ~ 1"  
 Module Receiver: 4¼" x 4¼" x 1⅛"  
 Rack Card Receiver:  
 Requires One Rack Slot

**Ordering information:**

MTM=Module Transmitter – Field Unit  
 MRM=Module Receiver- Control Site  
 RRM=Rack Card Receiver –Control Site



The American Fibertek M1450 Series is a low cost, low profile video and reverse data transceiver system. The video transmitter is specifically designed to mount into the Ademco RapidDome camera dome housing. The system utilizes one multimode optical fiber to transmit video plus contact closure and return RS422 for camera PTZ control. Designed to be completely transparent, this system requires no field adjustments at installation or additional maintenance thereafter.

Compatible video receivers may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR-20/2 or SR-20R/1.

