



M1690 SERIES MULTIMODE

Single Fiber Bi-directional Transceiver – Low Profile One-Way Video with Reverse Up-the-Coax PTZ Control plus a Bi-directional Contact Closure

FEATURES:

- ◆ Diagnostics: Power, Video and Optical Presence
- ◆ Compatible with NTSC; RS-170A & RS-343A and PAL
- ◆ Video with Reverse Up-the-Coax PTZ Control plus a bi-directional Contact Closure over one Multimode Optical Fiber
- ◆ Modules or Rack Cards
- ◆ Full Color Transmission
- ◆ PFM Video Transmission

SPECIFICATIONS:

Video:

I/O Level 1Vp-p
 I/O Impedance 75 Ω
 Bandwidth 8 MHz
 Differential Gain 5%
 Differential Phase 3°
 SNR 55 dB
 Connector BNC

Data:

Control System Compatibility
 Vicon Vicoax
 Bosch
 Pelco Coaxitron 15, 16 and 32 Bit
 Videolarm
 All other Vertical Interval Signal Products

Contact Closure:

Input Switch Closure to Ground
 Output Dry Contact
 Response Time 2 ms
 Connector 5 Pin Screw Terminal

Optical:

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

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Module Transmitter - 12 VDC: 10 VA
 (AFI Part #: PS-12)
 Module Receiver - 12 VDC: 10 VA
 (AFI Part#: PS-12)

Size:

Rack Card Requires one rack slot
 Module: 4 1/4" x 4 1/4" x 1 1/8"

Ordering information:

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



The American Fibertek M1690P Series transmits high-quality, simultaneous video with reverse Up-the-Coax PTZ Control and a bi-directional contact closure on one multimode optical fiber. Designed to be used with “Up the Coax” Control System products, these systems require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment 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.

