



# M61 SERIES MULTIMODE

## Single Fiber Bi-Directional Transceivers—Low Profile One Way Video & Two-Way Sensornet



### FEATURES:

- Diagnostics: Video, Data, Power and Optical Presence
- Switch Selectable Termination and Fail Safe Bias
- Modules or Rack Cards
- Single or Dual Fiber Alternative

### SPECIFICATIONS:

#### Video:

I/O Level	1 Vpp
I/O Impedance	75 Ohms
Bandwidth	.6 MHz
Differential Gain	.5%
Differential Phase	3°
SNR	60 dB
Connector	BNC

#### Data:

Data Rate	230.4 Kbps
Data Connector	5 pin screw terminal

#### Optical:

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

#### Temperature (Operating):

-40°C to +74°C, non-condensing

#### Power Supply:

Module Transmitter- 12 VDC: 10 VA  
(AFI Part #: PS-12)  
Rack Card  
(See AFI Part #: SR20/2)

#### Size:

Module - 4¼" x 4¼" x 1½"  
Rack Card requires one rack slot - 6½" x 1" x 5"

#### Ordering Information:

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

#### Example:

Single fiber module video TX to rack card RX:  
**MTM-61 to RRM-61**

Two-fiber rack card video TX to rack card RX:  
**RTM-61-2F8 to RRM-61-2F8**



The American Fibertek M61 Series is a low cost, low profile video and bi-directional data transceiver system. The system utilizes one or two multimode optical fibers. Designed to be completely transparent, this system requires 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, SR-20R/1.

