

**M61
SERIES
MULTIMODE**

**Single Or Dual 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 Level1 Vpp
 I/O Impedance75 Ohms
 Bandwidth6 MHz
 Differential Gain5%
 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
 ConnectorST

Temperature (Operating):

-40°C to +74°C, non-condensing

Power Supply:

Module - 12 VDC (AFI Part #: PS-12)
 Power Consumption4 Watts
 Rack Card (See AFI Part #: SR-20D/2)
 Power Consumption5 Watts

Size:

Module - 4¼" x 4¼" x 1⅛"
 Rack Card - 6½" x 1" x 5"

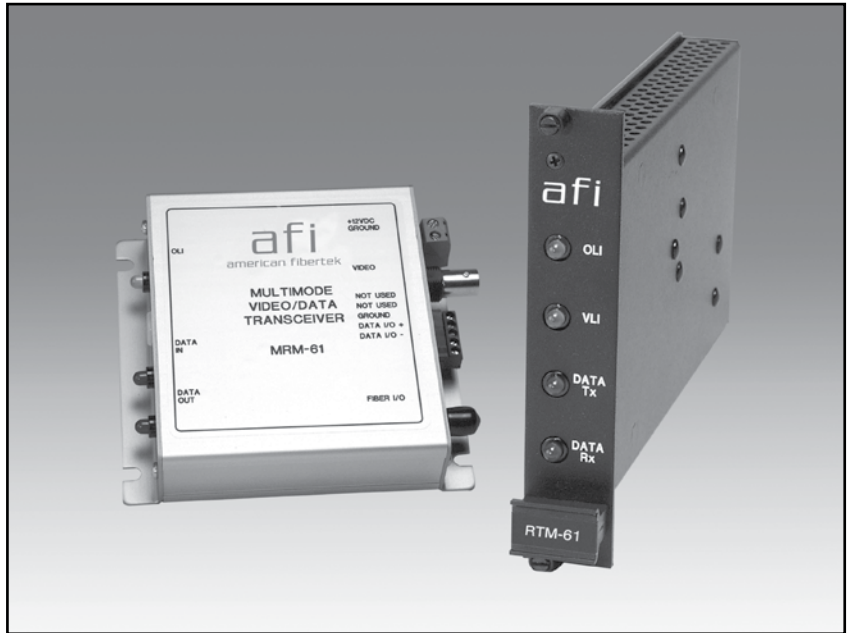
ORDERING INFORMATION:

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

Example:

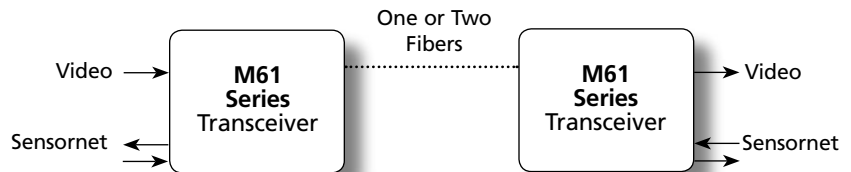
*Single fiber module video TX to rack card RX:
 MTM-61 to RRM-61*

*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-20D/2, SR-20R/1.



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