



**91Pxxx8E
Series
Multimode**

One Way Digital Video, (2) 10/100Base-TX Ethernet, (2) Audio & (up to 4) Multi-Protocol Data and/or Contact Closures Transceiver

SPECIFICATIONS:

Video:

I/O Level 1Vp-p
 I/O Impedance 75 Ω
 Bandwidth 7 MHz
 Differential Gain 2%
 Differential Phase..... 0.7°
 SNR..... 67 dB
 Connector BNC

Ethernet: (2 ports)

Data Rate:
 Auto negotiated.....10/100 Mb/s
 Connector.....RJ45

Optical:

Wavelength.....1300/1550nm
 Loss Budget (62.5/125μ)..... 12 dB
 Distance.....2.0 km
 Connector.....ST

Audio: (2 channels)

I/O Level @ 600 Ohms 0 dBm
 Bandwidth20 Hz to 10 KHz
 THD @ 1 KHz1%
 SNR..... 80 dB
 Connector..... Terminal Block

Data : Optional

Interface.....Selectable Multi-protocol
 Choice of: RS-485 (2 or 4 wire),
 RS-422,
 RS-232
 Manchester
 Format.....Asynchronous
 RateDC to 115 Kbit/s
 Connector Terminal Block

Contact Closure: Optional

Input.....Switch Closure to Ground
 OutputDry Contact
 Response Time..... 2 mS
 Max Voltage30 VDC or Peak AC
 Max Current 0.5 A
 Connector..... Terminal Block

Environmental

Operating Temp.....-40°C to +75°C
 Storage Temp.....-40°C to +85°C
 Humidity.....0% to 95% (non condensing)
 MTBF.....>100,000 hours

Power Supply:

Module – 12 VDC (AFI Part # PS-12D)
 Rack Card – AFI SR 20/2

Size:

Module - 8 1/8" x 4 1/8" x 1 5/8"
 Rack Card requires 1 rack slot – 6 1/2"x2"x5"
 10/15/10 JPK



The American Fibertek 91Pxxx8E-SL Series transmits high-quality, state of the art, 10-bit digital video, (2) 10/100Base-TX Ethernet ports, (2) Audio channels, and up to (4) Multi-Protocol (switch selectable) Data and/or Contact Closures on one multimode optical fiber. Diagnostic indicators provide a quick visual indication of system status.

Designed to be completely transparent, this system requires no field adjustments at installation or additional maintenance thereafter.

Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cage: SR20/2

Product Ordering Information:

MT-91Pxxx8E	Module Transmitter
MR-91Pxxx8E	Module Receiver
RT-91Pxxx8E	Rack Card Transmitter
RR-91Pxxx8E	Rack Card Receiver
Data	: x = 5
Contact Closure	: x = 9

