



**91Pxxxx8E-SL
Series
Singlemode**

**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 (9/125μ)..... 15 dB
Distance.....20 km
Connector.....FC

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
ConnectorTerminal Block

Contact Closure: Optional

InputSwitch 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"
9/15/11 JPK



The American Fibertek 91Pxxxx8E-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 singlemode 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-91Pxxxx8E-SL	Module Transmitter
MR-91Pxxxx8E-SL	Module Receiver
RT-91Pxxxx8E-SL	Rack Card Transmitter
RR-91Pxxxx8E-SL	Rack Card Receiver
Data	: x = 5
Contact Closure	: x = 9

