



**91P55998E  
Series  
Multimode**

**One Way Digital Video, (2 Ports) 10/100Base-TX Ethernet, (2) Multi-Protocol Data, (2) Contact Closure Channels and (2) Audio Channels**

**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

**Data :**

Interface ..... Selectable Multi-protocol  
 Choice of: RS-485 (2 or 4 wire),  
 RS-422,  
 RS-232  
 Manchester

Format ..... Asynchronous  
 Rate ..... DC to 115 Kbit/s  
 Connector ..... DB26 to Terminal Block Adapter

**Contact Closure:**

Input ..... Switch Closure to Ground  
 Output ..... Dry Contact  
 Response Time ..... 2 mS  
 Max Voltage ..... 30 VDC or Peak AC  
 Max Current ..... 0.5 A  
 Connector ..... Terminal Block

**Audio: (2 channels)**

I/O Level @ 600 Ohms ..... 0 dBm  
 Bandwidth ..... 20 Hz to 10 KHz  
 THD @ 1 KHz ..... 1%  
 SNR ..... 80 dB  
 Connector ..... Terminal Block

**Optical:**

Wavelength ..... 1300/1550nm  
 Loss Budget (62/125μ) ..... 12 dB  
 Distance ..... 2 km  
 Connector ..... ST

**Temperature (Operating)**

-40°C to +75°C, non-condensing

**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 (2 rack slots) ..... 6 1/2" x 2" x 5"



The American Fibertek 91P55998E Series transmits high-quality, state of the art, 10-bit digital video, (2 Ports) 10/100Base-TX Ethernet, (2) multi-protocol data channels, (2) contact closure channels and (2) analog audio channels on one multimode optical fiber. Diagnostic indicators provide a quick visual indication of system status.

The Ethernet interface is designed to be completely transparent with auto negotiation features which automatically configures the unit for the correct speed (10/100 BaseTX). Auto MDI/MDIX operation eliminates the potential need for crossover cables.

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 Cages: SR-20/2 or SR20H/2 (redundancy). The "Afinety" intelligent remote monitoring system is available on this product, please consult factory

**Product Ordering Information:**

MT-91P55998E	Module Transmitter
MR-91P55998E	Module Receiver
RT-91P55998E	Rack Card Transmitter
RR-91P55998E	Rack Card Receiver

