



**91P55998E-SL
Series
Singlemode**

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

Temperature (Operating)

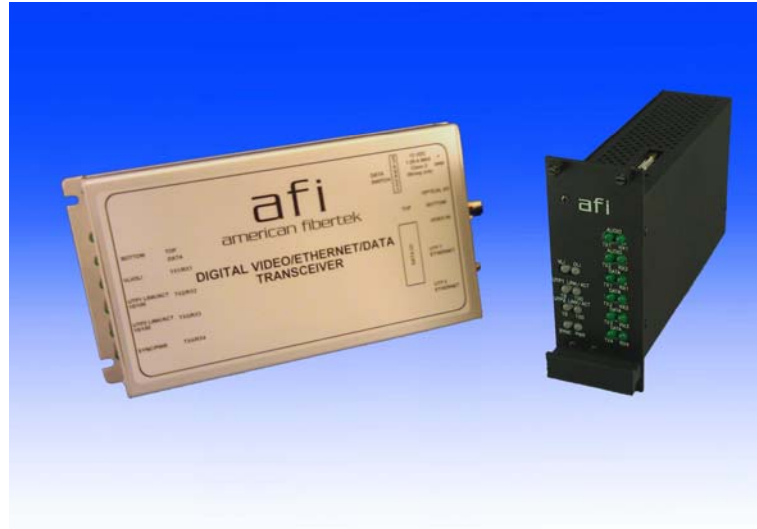
-40°C to +75°C, non-condensing

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-SL 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 singlemode optical fiber. Diagnostic indicators provide a quick visual indication of system status.

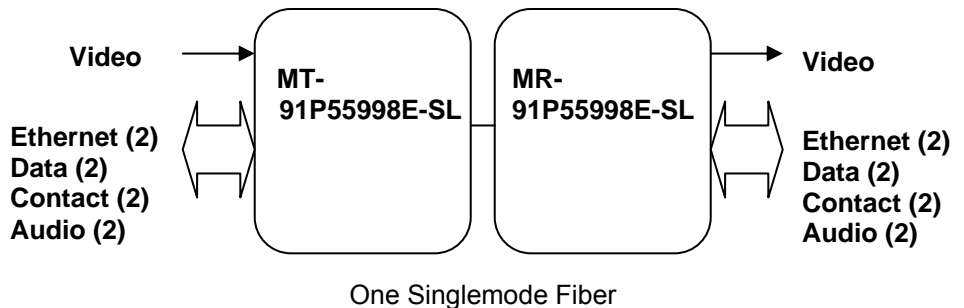
The Ethernet interface is designed to be completely transparent with auto negotiation features which automatically configures the unit for the correct speed (10/100 BaseTX). Auto MDI/MDIX operation eliminates the potential need for crossover cables.

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



1/11/16 JPK