

Single Fiber Transceiver 4 Digital Video, 1 Multi-Protocol Data, and 1 Bi-directional Audio

FEATURES:

- Compatible with NTSC; RS-170A, RS-343A and PAL
- Diagnostics: Video, Data, Power & Optical Presence
- High Speed, Full Duplex Data
- Multi-Protocol Data

SPECIFICATIONS:

Video:(4)

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

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.....	Terminal Block

Audio:

I/O Level (balanced)	0 dBm
Impedance.....	600 ohms
Bandwidth	20 Hz to 20 KHz
THD @ 1 KHz	0.1%
SNR.....	80 dB
Connector	Terminal Block

Optical:

Wavelength.....	1310/1550 nm
Loss Budget (9/125 μm)	18 dB
Connector.....	FC

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Module – 12 VDC AFI 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 94P58SL Series transmits 4 high-quality, state of the art digital video, with 1 bi-directional multi-protocol data channel and 1 bi-directional audio channel on one singlemode optical fiber.

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-20/2 or SR20H/2 (redundant power supply).

Product Ordering Information:

MT-94P58SL	Module Transmitter
MR-94P58SL	Module Receiver
RT-94P58SL	Rack Card Transmitter
RR-94P58SL	Rack Card Receiver

