

# Single Fiber Transceiver

## 4 Digital Video, 1 Multi-Protocol Data, and 2 Bi-Directional Contact Closures

**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:**

I/O Level.....	1 Vp-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 Kb/s
Connector.....	Terminal Block

**Contact Closure:**

Input.....	Switch Closure to Ground
Output.....	Dry Contact
Response Time .....	2 mS
Max Voltage .....	100 VDC or Peak AC
Max Current.....	0.5 A
Connector.....	Terminal Block

**Optical:**

Wavelength .....	1300/1550 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 1/8"
Rack Card (2 rack slots).....	6 1/2" x 2" x 5"



The American Fibertek 94P599SL Series transmits 4 high-quality, state of the art digital video, with 1 bi-directional multi-protocol data channel and 2 bi-directional contact closure channels 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-20R/1 or SR20/2.

**Product Ordering Information:**

MT-94P599SL	Module Transmitter
MR-94P599SL	Module Receiver
RT-94P599SL	Rack Card Transmitter
RR-94P599SL	Rack Card Receiver

