



# Single Fiber Transceiver 2 Digital Video, 1 Bi-directional Audio, and 1 Bi-directional Contact Closure

**FEATURES:**

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

**SPECIFICATIONS:**

**Video:(2)**

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

**Audio:**

I/O Level (balanced) ..... 0 dBm  
 Impedance ..... 600 ohms  
 Bandwidth ..... 20 Hz to 20 KHz  
 THD @ 1 KHz ..... 0.1%  
 SNR ..... 75 dB  
 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 ..... 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 92P89SL Series transmits 2 high-quality, state of the art digital video, with 1 bi-directional audio channel and 1 bi-directional contact closure 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-92P89SL | Module Transmitter    |
| MR-92P89SL | Module Receiver       |
| RT-92P89SL | Rack Card Transmitter |
| RR-92P89SL | Rack Card Receiver    |

