

# Single Fiber Transceiver 2 Digital Video & 1 Digital Bi-directional Audio

**FEATURES:**

- Compatible with NTSC; RS-170A, RS-343A and PAL
- Real-time 10-bit video
- Real-time 24-bit audio
- Diagnostics: Video, Audio, Power & Optical Presence
- Line Level Audio Interface

**SPECIFICATIONS:**

**Video:(2)**

I/O Level ..... 1Vp-p  
 I/O Impedance ..... 75 Ω  
 Bandwidth ..... 7 MHz  
 Differential Gain ..... 2%  
 Differential Phase..... 0.7°  
 SNR ..... 65 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 ..... 80 dB  
 Connector ..... Terminal Block

**Optical:**

Wavelength.....1300/1550 nm  
 Loss Budget (9/125 μm)..... 21 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 92P8SL Series transmits 2 high-quality, state of the art, 10 bit digital video with 1 high-quality 24 bit digitized bi-directional audio 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: SR20/2 and SR20H/2 (redundant power supply).

**Product Ordering Information:**

MT-92P8SL	Module Transmitter
MR-92P8SL	Module Receiver
RT-92P8SL	Rack Card Transmitter
RR-92P8SL	Rack Card Receiver

