



**92P88  
Series  
MULTIMODE**

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

**FEATURES:**

- Compatible with NTSC; RS-170A, RS-343A and PAL
- Real-time 8-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 ..... 60 dB  
 Connector ..... BNC

**Audio:(2)**

I/O Level (balanced) .....0 dBm  
 Impedance.....600 ohms  
 Bandwidth ..... 20 Hz to 10 KHz  
 THD @ 1 KHz ..... 1%  
 SNR .....80 dB  
 Connector ..... Terminal Block

**Optical:**

Wavelength.....1300/1550 nm  
 Loss Budget (62/125 μm)..... 18 dB  
 Distance (limited by fiber).....2km  
 Connector.....ST

**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 92P88 Series transmits 2 high-quality, state of the art, 8 bit digital video with 2 high-quality 24 bit digitized bi-directional audio channels on one multimode 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-92P88 Module Transmitter
- MR-92P88 Module Receiver
- RT-92P88 Rack Card Transmitter
- RR-92P88 Rack Card Receiver

