



Single Fiber Transceiver 2 Digital Video & 1 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:

I/O Level (balanced)0 dBm
 Impedance.....600 ohms
 Bandwidth 20 Hz to 20 KHz
 THD @ 1 KHz 0.1%
 SNR80 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 92P8 Series transmits 2 high-quality, state of the art, 8 bit digital video with 1 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:

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|---------|-----------------------|
| MT-92P8 | Module Transmitter |
| MR-92P8 | Module Receiver |
| RT-92P8 | Rack Card Transmitter |
| RR-92P8 | Rack Card Receiver |

