

## One Way Digital Video, One Bi-directional Audio, & One Multi-Protocol Data

### FEATURES:

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

### SPECIFICATIONS:

#### Video:

|                          |             |
|--------------------------|-------------|
| I/O Level .....          | 1Vp-p       |
| I/O Impedance .....      | 75 $\Omega$ |
| 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 Kbit/s  
 Connector..... Terminal Block

#### Audio:

I/O Level @ 600 Ohms..... 0 dBm  
 Bandwidth .....
 20 Hz to 10 KHz || THD @ 1 KHz ..... | 1% |
| SNR..... | 80 dB |
| Connector ..... | Terminal Block |

#### Optical:

Wavelength.....1310/1550nm  
 Loss Budget (9/125 $\mu$ )..... 21 dB  
 Connector.....FC

#### Temperature (Operating)

-40°C to +75°C, non-condensing

#### Power Supply:

Module – 12 VDC (AFI Part # PS-12D)  
 Rack Card – AFI SR 20/2

#### Size:

Module - 8 1/8" x 4 1/8" x 1 1/8"  
 Rack Card requires 1 rack slot – 6 1/2" x 1" x 5"

#### Product Ordering Information:

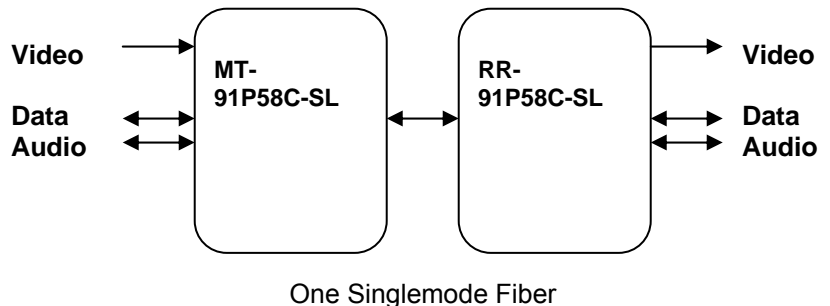
MT-91P58C-SL    Module Transmitter  
 MR-91P58C-SL    Module Receiver  
 RT-91P58C-SL    Rack Card Transmitter  
 RR-91P58C-SL    Rack Card Receiver



The American Fibertek 91P58C-SL Series transmits high-quality, state of the art, 10-bit digital video with 1 bi-directional audio channel and 1 multi-protocol (MPD) data channel on one singlemode optical fiber. This link is capable of providing an optical loss budget of 21dB utilizing 1310/1550nm wavelength lasers.

Designed to be completely transparent, this system requires no field adjustments (other than setting the data configuration) 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 Cage: SR-20/2.



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