

## Digital Video & One Bi-directional Audio Channel & One Bi-directional Contact Closure

### FEATURES:

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

### SPECIFICATIONS:

#### Video:

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 @ 600 Ohms .....	0 dBm
Bandwidth .....	20 Hz to 10 KHz
THD @ 1 KHz .....	1%
SNR .....	80 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 .....	1310/1550nm
Loss Budget (62/125μ) .....	15 dB
Connector .....	ST-PC

#### 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-91P89C	Module Transmitter
MR-91P89C	Module Receiver
RT-91P89C	Rack Card Transmitter
RR-91P89C	Rack Card Receiver



The American Fibertek 91P89C Series transmits high-quality, state of the art, 10-bit digital video, with 1 bi-directional audio channel and 1 bi-directional channel on one multimode optical fiber. This link is capable of providing an optical loss budget of 15 dB utilizing 1310/1550nm wavelength lasers.

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 Cage: SR20/2.

