

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.

