



**3800C
SERIES
SINGLEMODE**

One Way Video With Bi-directional Audio Transceiver

Features:

- ◆ Compatible with NTSC; RS – 170A RS –343A and PAL
- ◆ Diagnostics: Video, Power and Optical Presence
- ◆ Full Color Transmission
- ◆ Real Time Video Transmission
- ◆ Modules or Rack Cards
- ◆ PFM Transmission
- ◆ Full Dynamic Range, No Dead Zone
- ◆ Available in multimode

SPECIFICATIONS:

Video:

I/O Level 1 Vp-p
 I/O Impedance 75 Ω
 Bandwidth 7 MHz
 Differential Gain 3%
 Differential Phase 2°
 SNR 55 dB
 Connector BNC

Audio:

I/O Level @ 600 Ohms 0 dBm
 Bandwidth 20 Hz to 10 KHz
 THD @ 1 KHz 1%
 SNR 55 dB
 Connector 5 Pin Terminal Block

Optical:

Wavelength 1300/1550 nm
 Loss Budget (9/125µm fiber) 20 dB
 Connector FC

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Module – 12Vdc
 Rack Card – AFI SR 20/2

Size:

Module 81/8" x 41/8 x 11/8"
 Rack Card requires 1 rack slot.. 6½"x5"x1"

Product Ordering Information:

4 wire audio model numbers:

MT-3800C	Module Transmitter
MR-3800C	Module Receiver
RT-3800C	Rack Card Transmitter
RR-3800C	Rack Card Receiver

2 wire audio model numbers:

MT-3800C -2W	Module Transmitter
MR-3800C -2W	Module Receiver
RT-3800C -2W	Rack Card Transmitter
RR-3800C -2W	Rack Card Receiver

9/11/14 JPK



The American Fibertek 3800C Series transmits high- quality one way video and simultaneously bi-directional 2 wire or 4 wire audio on one singlemode optical fiber.

Designed to be completely transparent to all camera and monitor manufacturers, 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: SR-20/2 or SR20H/2 (redundant power supply version).

