

SINGLE MULTIMODE FIBER – EXTENDED DISTANCE TWO CHANNEL FM VIDEO SYSTEM

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
- ◆ 4 Channel Units are Available

SPECIFICATIONS:

Video:

I/O Level	1Vp-p
I/O Impedance	75Ω
Bandwidth	10 MHz
Differential Gain	5%
Differential Phase.....	3°
SNR.....	55 dB
Connector	BNC

Optical

Wavelength.....	1300nm
Distance.....	.8 km
Loss Budget (62.5/125μ).....	17dB
Dynamic Range.....	12dB
Dead Zone (overload range).....	0 to 5dB
Connector	ST

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Module Transmitter – 12VDC
 (AFI Part#: PS-12D)
 Module Receiver - 12VDC
 (AFI Part#: PS-12D)
 Rackcard Transmitter- SR20/2 Subrack
 Rackcard Receiver - SR20/2 Subrack

SIZE:

Module Transmitter.....8 7/8" x 5 1/2" x 1 1/8"
 Module Receiver..... 8 7/8" x 5 1/2" x 1 1/8"
 Rack Card Transmitter / Receiver
 -requires 2 rack slots..... 8" x 5" x 2"
 Maximum:.....7 Cards per SR-20/2

Ordering information:

MT=Module Transmitter – Video Source
 MR=Module Receiver- Control Site
 RT=Rack Card Transmitter – Video Source
 RR=Rack Card Receiver –Control Site

Example:

MT-220CE-12VDC to MR-220CE-12VDC

JPK 6_2014



The American Fibertek 220CE-12VDC Series transmits two channels of high-quality video on one multimode optical fiber at 1300nm over distances up to 8 km and over optical loss budgets between 5 dB to 17 dB. The 440C-E requires a minimum optical loss of 5 dB. Diagnostic indicators provide a quick visual indication of system status.

Designed to be completely transparent to all camera and monitor manufacturers, this system requires no field adjustments at installation or additional maintenance thereafter.

Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR-20/2, SR-20H/2 (redundant power supplies).

