

## FM Audio/Video System-850 nm



### FEATURES:

- Video with Audio Utilizing One Multimode Optical Fiber
- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- PFM Modulated Video
- FM Modulated Audio
- Full Color Transmission
- 12 VDC Standard
- No User or Installation Adjustments

### SPECIFICATIONS:

#### Video:

I/O Level.....	1 Vpp
I/O Impedance.....	75 Ohms
Bandwidth.....	.8 MHz
Differential Gain.....	.4%
Differential Phase.....	4°
SNR.....	60 dB
Connector.....	BNC

#### Audio:

I/O Level.....	0 dBm
I/O Impedance.....	600 Ohms Balanced
Bandwidth.....	20 Hz to 10 KHz
THD @ 1 KHz.....	1%
SNR.....	55 dB
Connector.....	3 pin screw terminal

#### Optical:

Wavelength.....	850 nm
Loss Budget (62.5/125µ).....	16 dB
Maximum Transmission Distance.....	2.5 Km
Connector.....	ST

#### Temperature (Operating):

-20°C to +70°C, non-condensing

#### Power Supply:

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

#### Size:

Module - 3 3/4" x 5 7/8" x 1 1/16"  
Rack Card requires one rack slot - 6 1/2" x 1" x 5"

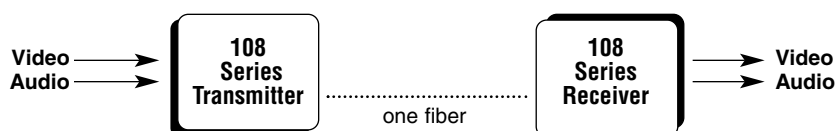
### ORDERING INFORMATION:

- MT = Module Transmitter - Video/Audio Input
- MR = Module Receiver - Video/Audio Output
- RT = Rack Card Transmitter - Video/Audio Input
- RR = Rack Card Receiver - Video/Audio Output

**Example: MT-108 to RR-108**



The American Fibertek 108 Series transmits high-quality, simultaneous FM video and audio on one multimode optical fiber. These systems are an excellent choice for demanding audio/video distribution or distance learning applications. Designed to be completely transparent, these systems require 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 SR-20R/1.



- For singlemode product equivalent to the 108 series please see the 308S or 308SL series product