



**M910-20SL  
SERIES  
SINGLEMODE**

**SINGLE CHANNEL HD DIGITAL VIDEO TRANSMISSION SYSTEM : SUPPORTS 650-720TVL CAMERA RESOLUTION**

Preliminary

**Features:**

- ◆ Compatible with NTSC, (RS – 170A & RS –343A), PAL and SECAM
- ◆ Diagnostics: Video, DC Power, Digital Frame Sync, OLI
- ◆ 10 Bit Digital Video Transmission
- ◆ Serial Digital Transmission

**Specifications:**

**Video:**

I/O Level .....1 Vp-p (±3 dB)  
 I/O Impedance ..... 75 Ohms  
 Bandwidth .....20 MHz  
 TVL .....650-720  
 Differential Gain .....2 %  
 Differential Phase.....0.7 °  
 SNR (Unified Weighted).....60 dB  
 Connector ..... BNC

**Optical:**

Wavelength .....1310nm  
 Loss Budget (9/125μ).....15 dB  
 Transmission Distance..... 20 km  
 Connector ..... ST

**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 ..... 4¼" x 4¼" x 1⅛"  
 Rack Card requires -1 rack slot– 6½"x5"x1"

**Product Ordering Information:**

MTM-910-20SL Module Transmitter  
 MRM-910-20SL Module Receiver

RRM-910-20SL Rack Card Receiver  
 1 Channel

RRM-920-20SL Rack Card Receiver  
 2 Channels



The American Fibertek M910-20SL Series transmits one channel of HD (high definition/resolution), high-quality 10 bit digitized video on one singlemode optical fiber over a distance of up to 20 km.

The M910-20SL is targeted for use with high resolution cameras/recorders/monitors such as the Bosch 960H system portfolio. The receiver rack cards are available in a single channel M910-20SL or a two channel M920-20SL configuration. The M920SL utilizes 2 fibers, one for each channel. **The number of channels transmitted on 1 fiber may be scaled up to 8 channels using CWDM wavelength multiplexing techniques.**

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 SR-20H/2(redundant power supply).

