



# SINGLE CHANNEL DIGITAL VIDEO SYSTEM WITH TWO BI-DIRECTIONAL MULTI-PROTOCOL DATA CHANNELS

**913SL  
SERIES  
SINGLEMODE**

## Features:

- ◆ Compatible with NTSC, (RS – 170A & RS – 343A), PAL and SECAM
- ◆ Diagnostics: Video, DC Power, Digital Frame Sync, OLI, Data Activity
- ◆ Available with Enhanced "Afinety" Intelligent Monitoring System
- ◆ 10 Bit Digital Video Transmission
- ◆ Serial Digital Transmission

## Specifications:

### Video:

I/O Level ..... 1 Vp-p ( $\pm 3$  dB)  
I/O Impedance ..... 75 Ohms  
Bandwidth ..... 7 MHz  
Differential Gain ..... 2 %  
Differential Phase ..... 0.7 °  
SNR (Unified Weighted) ..... 65 dB  
Connector ..... BNC

### Data (2 Channels):

Interface ..... Selectable Multi-protocol  
Choice of: RS-485 (2 or 4 wire),  
RS-422,  
RS-232  
Manchester

Format ..... Asynchronous  
Rate ..... DC to 115 Kbit/s  
Connector ..... Terminal Block

### Optical:

Wavelength ..... 1310/1550nm  
Loss Budget (9/125 $\mu$ ) ..... 21 dB  
Connector ..... FC

### 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"x5"x1"

### Product Ordering Information:

MT-913SL Module Transmitter  
MR-913SL Module Receiver  
RT-913SL Rack Card Transmitter  
RR-913SL Rack Card Receiver

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The American Fibertek 913SL Series transmits one channel of high-quality 10 bit digitized video and two channels of multi-protocol data on one singlemode optical fiber using WDM technology. 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. **The "Afinety" intelligent remote monitoring system is available on this product, please consult factory.**

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.

