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/0 Level .....1 Vp-p (±3 dB)
I/0 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 1 1/8"
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

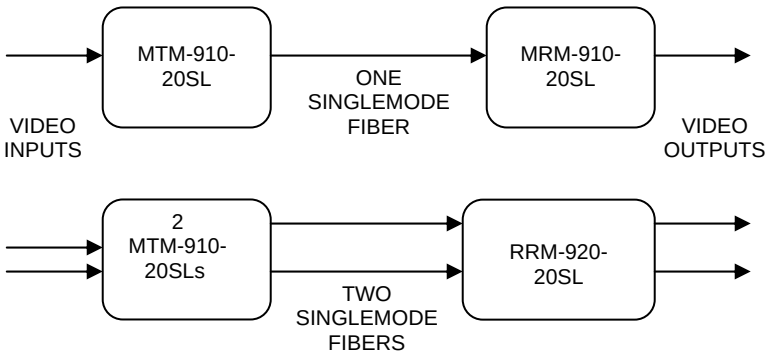
RRM-920-20SL Rack Card Receiver 2 Channels

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).



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