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913C SERIES MULTIMODE

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

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/0 Level ....1 Vp-p (±3 dB)
I/0 Impedance .... 75 Ohms
Bandwidth ....7 MHz
Differential Gain ....2 %
Differential Phase................................0.7 °
SNR (Unified Weighted)....................65 dB
Connector .... BNC

Data (3 Channels):
Number of Channels .... 3 (Full Duplex)
Interface….485(2 or 4 Wire)/RS422/RS232
Data Format ....Asynchronous, Serial
Data Rate .... DC to 115 Kbs
Connector ....5 Pin Screw Terminals

Optical:
Wavelength……………………1310/1550nm
Loss Budget (62.5/125µ)…………… 12 dB
Transmission Distance………………… 4 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 –………….…… 81/8" x 41/8 x 11/8 "
Rack Card requires - 1 rack slot– 6½"x5"x1"

Product Ordering Information:
MT-913C   Module Transmitter
MR-913C   Module Receiver
RT-913C   Rack Card Transmitter
RR-913C   Rack Card Receiver

The American Fibertek 913C Series transmits one channel of high-quality 10 bit digitized video and three channels of multi-protocol data on one multimode 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 may be mounted in the American Fibertek Card Cages: SR-20/2 or SR-20R/1.

VIDEO INPUT → MT-913C or RT-913C — ONE MULTIMODE FIBER — MR-913C or RR-913C → VIDEO OUTPUT

3 Channels of Selectable Data   3 Channels of Selectable Data

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