



SINGLE CHANNEL DIGITAL VIDEO SYSTEM WITH ONE MULTI-PROTOCOL DATA CHANNEL AND A CONTACT CLOSURE

(Rackcard Installable into the IFS R3 Subrack)

Features:

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

Specifications:

Video:

I/O Level..... 1 Vp-p (±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:

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

FormatAsynchronous
 Rate DC to 115 Kbit/s
 Connector.....Terminal Block

Contact Closure:

Input..... Switch Closure to Ground
 Output..... Dry Contact
 Response Time 2 mS
 Max Voltage..... 100 VDC or Peak AC
 Max Current..... 0.5 A
 Connector.....Terminal Block

Optical:

Wavelength.....1310/1550nm
 Loss Budget (62/125µ).....12 dB
 Transmission Distance..... 4 km
 Connector.....ST

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Module12 VDC (AFI Part # PS-12D)
 Rack CardAFI SR-20/2

Size:

Module 8 1/8" x 4 1/8" x 1 1/8" "
 Rack Card1rack slot

Product Ordering Information:

MT-915C Module Transmitter
 RR-915C-R3 Rack Card Receiver

8/12/11



The American Fibertek 915C-R3 Series transmits one channel of high-quality 10 bit digitized video plus one channel of multi-protocol data and a contact closure on one multimode optical fiber using WDM technology. Diagnostic Indicators provide a quick visual indication of system status.

The rackcard receiver is mechanically and power supply compatible with the IFS R3 sub rack and power supply. This provides one an option to add an AFI product to an existing IFS-R3 subrack. However, an AFI module transmitter must be used with the AFI RR-915C-R3 receiver.

Designed to be completely transparent to all camera and monitor manufacturers, this system requires no field adjustments at installation or additional maintenance thereafter.

