

**FOUR-CHANNEL DIGITAL VIDEO & MULTI-PROTOCOL
RS485/RS422/RS232/MANCHESTER & CONTACT
CLOSURE SYSTEM**

Features:

- ◆ Compatible with NTSC, (RS – 170A & RS –343A), PA
- ◆ and SECAM
- ◆ Diagnostics: Video, Data, OLI, DC Power and Digital Frame Sync
- ◆ Full Color Transmission
- ◆ RS485/422/232 Two Way Data
- ◆ Real Time Video Transmission
- ◆ Serial Digital Transmission

Specifications:

Video:

I/O Level1 Vp-p (±3 dB)
 I/O Impedance 75 Ohms
 Bandwidth7 MHz
 Differential Gain 2 %
 Differential Phase.....0.7 °
 SNR (Unified Weighted).....55 dB
 Connector BNC

Data:

Number of Channels 1 (Full Duplex)
 Interface.....485(2 or 4 Wire)/RS422/RS232
 Data FormatAsynchronous, Serial
 Data Rate DC to 115 Kbs
 Connector5 Pin Screw Terminals

Contact Closure:

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

Optical

Wavelength 1310/1550 nm
 Loss Budget (9/125µ)..... 15 dB
 Connector FC/PC

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Rack Card – AFI SR 20/2

Size:

Rack Card :
 2 rack slots6½" x 5" x 2"

Ordering information:

RT=Rack Card Transmitter – Video Source
 RR=Rack Card Receiver –Control Site
 MT=Module Card Transmitter – Video Source
 RR=Module Card Receiver –Control Site

Example:

MT-746C-SL to RR-746C-SL



The American Fibertek 746C-SL Series transmits four channels of high-quality digitized video and one channel of multi-protocol data (RS485 (2 wire or 4 wire) or RS422 or RS232 or Manchester) and a contact closure on one single mode optical fiber at 1310 and 1550nm. 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-20R/1.

