

16 CHANNEL DIGITAL VIDEO SYSTEM WITH MULTI-PROTOCOL DATA AND CONTACT CHANNELS

Features:

- ◆ Compatible with NTSC, (RS – 170A & RS –343A), PAL and SECAM
- ◆ Diagnostics: Video, DC Power, OLI , Data Activity
- ◆ Automatic Resettable Fuses on Power Lines
- ◆ Digital Video Transmission

Specifications:

Video:

I/O Level1 Vp-p (± 3 dB)
 I/O Impedance 75 Ohms
 Bandwidth7 MHz
 Differential Gain2 %
 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

Format.....Asynchronous
 RateDC to 115 Kbit/s
 Connector.....Terminal Block

Contact Closure:

InputSwitch 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:

Wavelengths 850/1310/1550 nm
 Maximum Distance1 Km
 (Limited by Fiber Dispersion)
 Loss Budget (62/125 μ).....12 dB
 Connector ST

Environmental:

Operating Temp.....-40°C to +75°C
 Storage Temp.....-40°C to +85°C
 Humidity.....0% to 95% (non condensing)
 MTBF.....>100,000 hours

Power Supply:

Universal Power Input
 100 to 240 VAC, 50 to 60 Hz, 55 W

Size:

1RU 1.75" High x 19" Wide x 12" Deep

Ordering information:

MTX-91686C = Video Transmitter

MRX-91686C = Video Receiver

Example:

MRX-91686C to MRX-91686C

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The American Fibertek 91686C Series transmits 16 channels of high-quality digitized video, one channel of multi-protocol data and one bi-directional contact channel 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.

Equipment consists of a 1 RU housing which contains the Video and the WDM passive optics.

