



16 CHANNEL DIGITAL VIDEO SYSTEM WITH TWO BI-DIRECTIONAL MULTI-PROTOCOL DATA CHANNELS

**91685SL
SERIES
SINGLE MODE**

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/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 (2 Channels):

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

Optical

Wavelengths1310 nm
.....1470 nm
.....1490 nm
.....1510 nm
Loss Budget (9/125 μ).....21 dB
Connector SC/PC

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

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

Size:

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

Ordering information:

MTX-91685SL = Video Transmitter
MRX-91685SL = Video Receiver

Example:

MTX-91685SL to MRX-91685SL



The American Fibertek 91685SL Series transmits 16 channels of high-quality 10 bit digitized video and two channels of multi-protocol data on one singlemode optical fiber using CWDM 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 consists of a 1 RU housing which contains the Video, Data and the CWDM passive optics.

