Eight Channel Digital Video Transmission System
With One Bi-Directional Multi-Protocol Data, One Contact Closure & Two 10/100/1000 Base-T Ethernet Ports

986E-SL SERIES
SINGLEMODE

FEATURES:
- Compatible with NTSC, (RS – 170A & RS – 343A), PAL and SECAM
- 10 Bit Digital Video Transmission
- Diagnostics: Video, DC Power, Data Activity, Frame Sync, Optical Presence
- Serial Digital Transmission
- Mini-Ethernet Switch
- Automatic Resettable Fuses on DC Power Lines
- Multimode Version Available

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

Ethernet:
Data Rate
Auto negotiated……10/100/1000 Mb/s
Connector……RJ45

RS Data:
Number of Channels..... 1 (Full Duplex)
Interface ..... Selectable Multi-protocol
Choice of: RS-485 (2 or 4 wire),
RS-422,
RS232,
Manchester
Data Format.....Asynchronous, Serial
Data Rate ..... DC to 115 Kbs
Connector.....5 Pin Screw Terminal

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:
Wavelengths……1470/1490/1510/1530 nm
Loss Budget (9/125µ) .....15 dB
Connector.....FC/PC

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:
1RU unit with Universal Power Input:
100 to 240 VAC, 50 to 60 Hz 50 Watts Max.

Size:
1RU High x 19” Wide x 12” Deep

ORDERING INFORMATION:
MTX-986E-SL - Video/Data/CC Tx & Data/CC Rx
MRX-986E-SL - Video/Data/CC Rx & Data/CC Tx

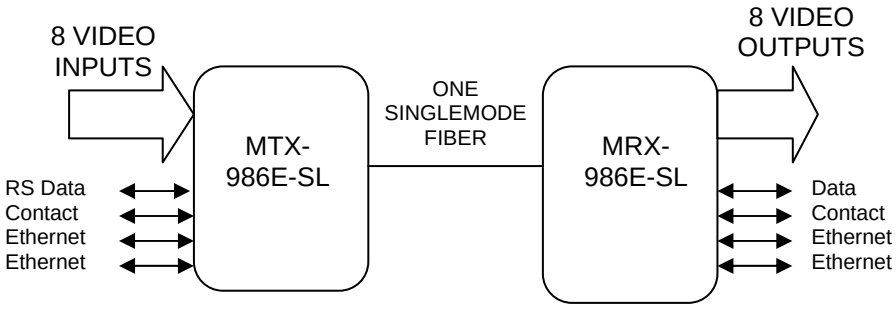
10/10/13

The American Fibertek 986E-SL Series transmits 8 channels of high-quality 10 bit digitized video, one channel of bi-directional multi-protocol RS data, one bi-directional contact closure and two ports of 10/100/1000 Base-T Ethernet on one singlemode 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.

The Ethernet ports feature auto negotiation which automatically configures the unit for the correct speed (10/100/1000 Base-T). Auto MDI/MDIX operation eliminates the potential need for crossover cables. Diagnostic indicators provide a quick visual indication of system status.

Equipment consists of a 1 RU housing which contains the Video, RS-Data, Contact Closure, Ethernet and the WDM passive optics.



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