8685 SELECTA-CODE SERIES MULTIMODE

Single Fiber Six Channel FM Video with Bi-directional RS485 or RS422 and RS232

6V D or 6V D D
RS485 RS422 RS232

FEATURES:

- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Data, Power and Optical Presence
- Switch Selectable 2 Wire or 4 Wire RS485
- Switch Selectable RS485 or (1) RS422 and (1) RS232
- Full Color Transmission
- Real Time Video Transmission
- Compatible with 500 Series Audio/Data Modulators & Demodulators
- PFM Transmission
- Wall or Rack Mount

SPECIFICATIONS:

Video:

I/O Level.....1 Vpp
I/O Impedance.....75 Ohms
Bandwidth.....10 MHz
Differential Gain.....5 %
Differential Phase.....3 °
SNR.....55 dB
Connector.....BNC

Data:

Data Rate.....up to 50 Kbps
Data Connector.....8 Pin Screw Terminal

Optical (Fiber 62.5/125µ):

Wavelength.....850/1300/1550 nm
Loss Budget: Video/Data (1300/1550 nm)12 dB
Loss Budget: Return Data (850 nm).....20 dB
Maximum Transmission Distance.....5 km
Connector.....ST

Temperature (Operating):

-40°C to +75°C, non-condensing

Power Supply:

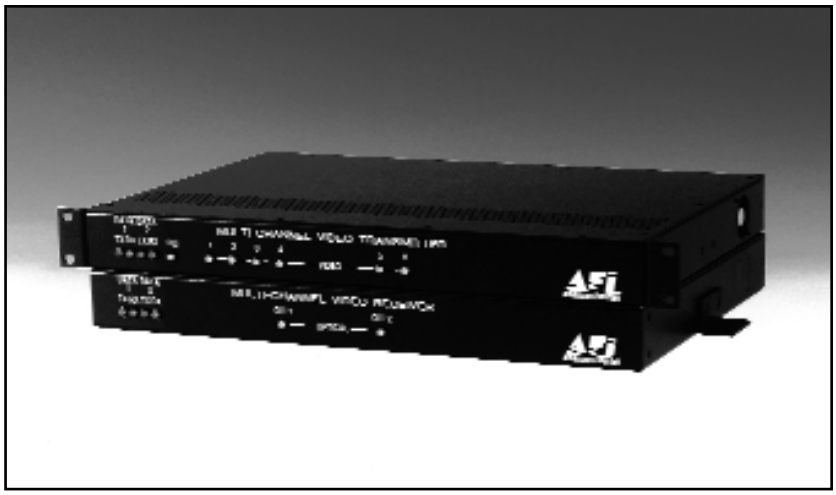
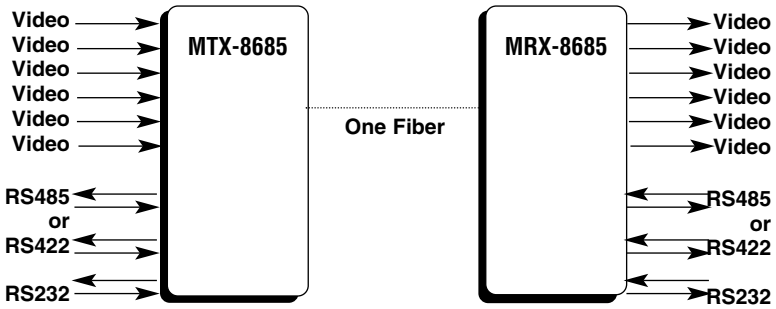
Universal Power Input
85 to 264 VAC, 47 to 63 Hz
40 Watts Max.

Size:

1RU High, 19" Wide, 12" Deep

ORDERING INFORMATION:

MTX = Video/Data Transmitter/Data Receiver
MRX = Video/Data Receiver/Data Transmitter



The American Fibertek 8685 Series transmits six channels of high-quality video with switch selectable bi-directional RS485 data or bi-directional RS422 and RS232 on a single multimode optical fiber. Included in the circuit design is a switch selectable 2 or 4 wire configuration and the ability to select data line termination. 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. In addition, two sub-carriers can be added to each video channel using the 500 Series modulators and demodulators. Equipment may be mounted as stand alone modules or rack units by the position of the mounting brackets.