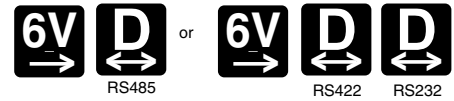




**8685**  
**SELECTA-CODE**  
**SERIES**  
**MULTIMODE**

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

