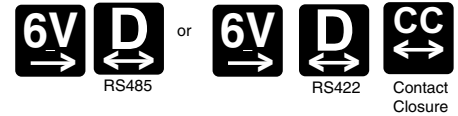




**8689**  
**SELECTA-CODE**  
**SERIES**  
**MULTIMODE**

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



## 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) Contact Closure
- 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

### Contact Closure:

Input.....	Switch Closure to Ground
Output.....	Dry Contact
Response Time.....	2 ms
Connector.....	8 Pin Screw Terminal

### Optical (Fiber 62.5/125µ):

Wavelength.....	850/1300/1550 nm
Loss Budget: (Video/Data 1300/1550).....	12 dB
Loss Budget: (Return Data 850).....	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/CC Transmitter/Data/CC Receiver  
 MRX = Video/Data/CC Receiver/Data/CC Transmitter



The American Fibertek 8689 Series transmits six channels of high-quality video with switch selectable bi-directional RS485 data or bi-directional RS422 and Contact Closure on a 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.

