8489
SELECTA-CODE
SERIES
MULTIMODE

4V → **D** ↔ *or* **4V** → **D** ↔ **CC** ↔
RS485   RS422   Contact Closure
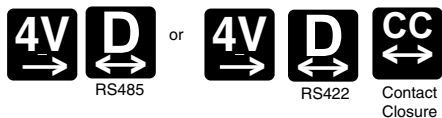
Single Fiber Four Channel FM Video with Bi-directional RS485 or RS422 and Contact Closure

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 nm
Loss Budget: (Video/Data 1300)	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 8489 Series transmits four 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.

Diagram: Video ×4 → MTX-8489 ↔ One Fiber ↔ MRX-8289 → Video ×4; RS485 or RS422 / CC bi-directional.