

## One Video with Manchester and Contact “Extended Length : 10km”

### Features:

- ◆ Compatible with NTSC; RS – 170A  
RS –343A and PAL
- ◆ Diagnostics: Video, Power and
- ◆ Optical Presence
- ◆ Modules or Rack Cards
- ◆ PFM Transmission
- ◆ Full Dynamic Range, No dead zone

### SPECIFICATIONS:

#### Video:

I/O Level .....	1Vp-p
I/O Impedance .....	75 Ω
Bandwidth .....	8 MHz
Differential Gain .....	5%
Differential Phase.....	2°
SNR.....	60 dB
Connector .....	BNC

#### Data:

Data Rate.....	Up to 50 Kb/s
-AD, Bosch, or Manchester Code	
Data Connector.....	5 Pin Screw Terminal

#### Contact Closure:

Input.....	Switch Closure to Ground
Output.....	Dry Contact
Response Time.....	2 ms
Connector.....	5 Pin Screw Terminal

#### Optical:

Wavelength.....	1300/1550nm
Loss Budget (62/125µm fiber).....	21dB
Connector .....	ST/PC

#### Temperature (Operating)

-40°C to +75°C, non-condensing

#### Power Supply:

Module Transmitter - 12 VDC: 500 mA (AFI Part #: PS-12D)
Module Receiver - 12 VDC: 500 mA (AFI Part #: PS-12D)

#### Size:

Module Transmitter.....	8 7/8" x 5 1/2" x 1 1/8"
Module Receiver.....	8 7/8" x 5 1/2" x 1 1/8"
Rack Card Transmitter.....	8" x 5" x 2"
Rack Card Receiver.....	8" x 5" x 2"

#### Ordering information:

MT=Module Transmitter – Video Source  
MR=Module Receiver- Control Site  
RT=Rack Card Transmitter – Video Source  
RR=Rack Card Receiver –Control Site

#### Example:

**MT-1290E to RR-1290E**

JPK 1/4/2016



The American Fibertek 1290E Series transmits high- quality video with simultaneously return AD or Bosch Code and bi-directional contact closure channels on one multi mode optical fiber over distances up to 10 km.

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.

Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cage: SR-20/2

