1485 SERIES MULTIMODE

Single Fiber Bi-directional Transceivers One-Way Video with Two-Way RS485

FEATURES:

- Video with Bi-directional RS485 Utilizing One Multimode Optical Fiber
- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- 24 VAC Standard or 12 VDC Option
- Two-Wire or Four-Wire RS485
- Full Tri-State Capability
- Full Color Transmission

SPECIFICATIONS:

Video:

I/O Level.....1 Vpp
I/O Impedance.....75 Ohms
Bandwidth.....8 MHz
Differential Gain.....4%
Differential Phase.....4°
SNR.....63 dB
Connector.....BNC

Data:

Data Rate.....Up to 19.2 Kbps
Data Connectors.....5-pin screw terminal

Optical:

Wavelength.....850/1300 nm
Loss Budget (62.5/125µ).....12 dB
Connector.....ST

Temperature (Operating):
-20°C to +70°C, non-condensing

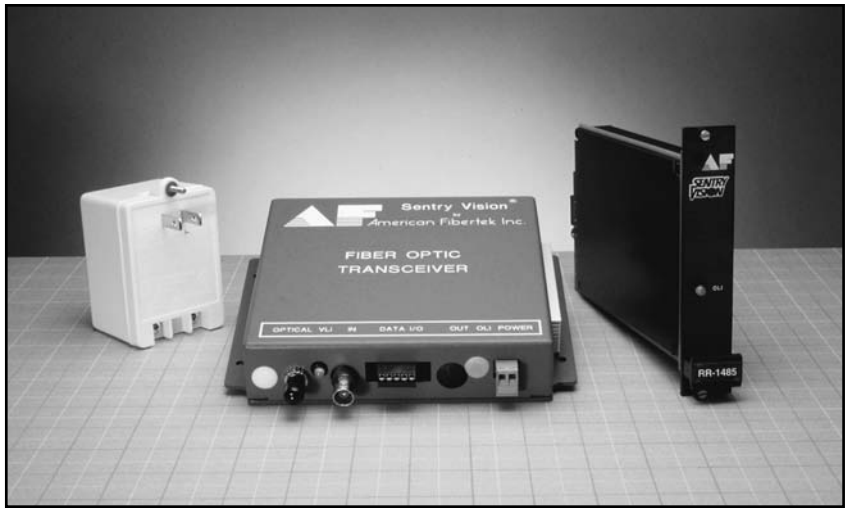
Power Supply:
Module - 24 VAC (AFI Part #: PS-24)
12 VDC available upon request, consult factory
Rack Card - (See AFI Part #: SR-20/2)

Size:
Module - 6¾" x 5¾" x 1⅜"
Rack Card requires one rack slot - 6½" x 1" x 5"

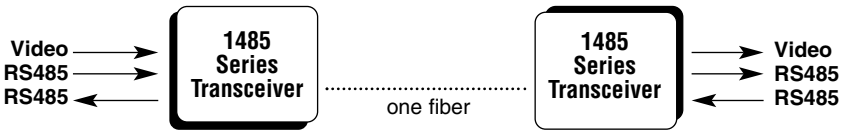
ORDERING INFORMATION:

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

Example: MT-1485-4 to RR-1485-4



The American Fibertek 1485 Series transmits high-quality, simultaneous video with bi-directional RS485 on one multimode optical fiber. RS485 can be Two-Wire or Four-Wire and is factory set. These systems require 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 Cages: SR-20/2 or SR-20R/1.



Part # Series:

MT-1485-2	Module Video Transmitter with 2 Way 2 Wire RS485
MR-1485-2	Module Video Receive with 2 Way 2 Wire RS485
RT-1485-2	Rack Card Video Transmitter with 2 Way 2 Wire RS485
RR-1485-2	Rack Card Video Receiver with 2 Way 2 Wire RS485
MT-1485-4	Module Video Transmitter with 2 Way 4 Wire RS485
MR-1485-4	Module Video Receiver with 2 Way 4 Wire RS485
RT-1485-4	Rack Card Video Transmitter with 2 Way 4 Wire RS485
RR-1485-4	Rack Card Video Receiver with 2 Way 4 Wire RS485