



FBR-1VM-MINI Series

1 Channel Fiber Optic Mini Video Transmitter/Receiver

STANDARD FEATURES (Multimode)

- Mini Transmitter/Receiver
- 1-Channel Video over one multimode fiber
- 8-bit video processing
- 13 dB optical budget
- Meets or exceeds EIA/TIA-250C medium haul standard
- Small form factor

SPECIFICATIONS

VIDEO

Number of Forward Video Channels	1
Type of Video Transmission Over Fiber	Digital
Number of Sample Bits	8
Gain Adjustment (Manual/Auto/None)	None
Video Bandwidth	10 Hz - 6.5 MHz
Video Signal-to-Noise Ratio (SNR)	60 dB

FIBER

Number of Fibers Required	1
Type of Fiber	Multimode
Type of Optical Connector	ST
Wavelengths Used (Fwd./Rvrs.)	850/1310 nm
Optical Power Budget	13 dB
Maximum Distance (miles (km))	2 miles / 3.2 km

ELECTRICAL

Nominal Input Voltage	12 VDC
Input Current @ Nominal Input Voltage	250 mA
Hot-Swappable in Rack (Yes/No)	Yes

INDICATORS

Indicators	Power, Link, Video
------------	--------------------

MECHANICAL

Overall Size	3.5" x 2.5" x 1"
Number of Rack Slots	N/A
Unit Weight	0.44 lb/0.2 kg

ENVIRONMENTAL

Operating Temperature	-4 0° C to +75° C
Storage Temperature	-4 0° C to +85° C
Relative Humidity	0% to 95% non-condensing
MTBF (hours)	> 100,000 hours

COMPLIANCE

Safety Standards Unit Complies With	UL/EN60950-1
EMC Standards Unit Complies With	FCC part 15, EN55022, EN55024, EN50130-4
Laser Standards Unit Complies With	FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J
CE Mark (Yes/No)	Yes

Warranty (Effective Jan 1, 2009)

Limited Lifetime

© Aventura Technologies



- 1 Channel of Video
- Single-mode and Multimode
- Mini Transmitter/Receiver
- Affordably Priced

AVAILABLE MODELS

Part number	Description
FBR-1VM-RX-MINI	1 Channel video transmission over a single fiber (multimode) (mini transmitter)
FBR-1VM-TX-MINI	1 Channel video transmission over a single fiber (multimode) (mini receiver)