



# FBR-8V Series

8 Channel Fiber Optic Video Transmitter/Receivers

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|--|---|
| <b>STANDARD FEATURES (Single-mode)</b>   | <b>STANDARD FEATURES (Multimode)</b>  |
| <ul style="list-style-type: none"> <li>• 8-Channel Video over one single-mode fiber</li> <li>• 8-bit video processing</li> <li>• 23dB optical budget</li> <li>• Meets or exceeds EIA/TIA-250C medium haul standard</li> <li>• Standalone or rack configurations</li> </ul> | <ul style="list-style-type: none"> <li>• 8-Channel Video over one multimode fiber</li> <li>• 8-bit video processing</li> <li>• 13 dB optical budget</li> <li>• Meets or exceeds EIA/TIA-250C medium haul standard</li> <li>• Standalone or rack configurations</li> </ul> |

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- 8 Channels of Video
- Single-mode and Multimode

## SPECIFICATIONS

	Single-mode	Multimode
<b>VIDEO</b>		
Number of Forward Video Channels	8	
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	
<b>FIBER</b>		
Number of Fibers Required	1	1
Type of Fiber	Single-mode	Multimode
Type of Optical Connector	FC	ST
Wavelengths Used (Fwd./Rvrs.)	1310/1550 nm	850/1310 nm
Optical Power Budget	23 dB	13 dB
Maximum Distance (miles (km))	37 miles / 60 km	2 miles / 3.2 km
<b>ELECTRICAL</b>		
Nominal Input Voltage	12 VDC	
Input Current @ Nominal Input Voltage	500 mA	
Hot-Swappable in Rack (Yes/No)	Yes	
<b>INDICATORS</b>		
Indicators	Power, Link, Video	
<b>MECHANICAL</b>		
Overall Size	8.43" x 6.25" x 2"	
Number of Rack Slots	2	
Unit Weight	< 2.0 lb/1.0 kg	
<b>ENVIRONMENTAL</b>		
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	
<b>COMPLIANCE</b>		
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	
<b>Warranty (Effective Jan 1, 2009)</b>		
Limited Lifetime		

## AVAILABLE MODELS

Part number	Description
FBR-8VM-RX	8 Channel video transmission over a single fiber (multimode) (receiver)
FBR-8VM-TX	8 Channel video transmission over a single fiber (multimode) (transmitter)
FBR-8VS-RX	8 Channel video transmission over a single fiber (single-mode) (receiver)
FBR-8VS-TX	8 Channel video transmission over a single fiber (single-mode) (transmitter)