

## ECT200B-L DUAL CHANNEL VIDEO WITH 26 MHZ BANDWIDTH AND UP TO 136 km/85 mi RANGE FM OPTICAL LINK



Video
2 →
1 ↔

### FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Balanced Video Input
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Two Video Channels per Standalone Module
- ❑ Operating Range Up to 136 km / 85 miles
- ❑ Power and Signal Status Indicators

<b>Configuration</b>	2 Fiber	1 Fiber
<b>Operating Wavelength</b>	1550 nm	1530/1570 nm
<b>Optical Core Diameter</b>	8/10μ	
<b>Optical Power Source</b>	DFB Laser	
<b>Optical Power Output</b>	0 (+/- 0.5) dBm	
<b>Receiver Sensitivity</b>	-44 dBm	-43 dBm
<b>Optical Connectors</b>	ST, SC, FC	

ECT200B-L system provides high performance link for transmitting of two composite video signals over one or two fiber optic cables. The system features CCTV professional video quality and guarantees quality transmission of video signals with maximum bandwidth up to 26 MHz.

All ECT200B-L transmitter/receiver cards are fully compatible with any ECT100B-L and ECT400B-L type systems allowing for mixed configurations when required.

ECT200B-L utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

<b>Video Bandwidth @ 2dB</b>	10 Hz - 26 MHz
<b>Video Input Impedance</b>	75 Ohm universal: balanced or unbalanced
<b>Video Input Level</b>	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
<b>Signal-to-Noise Ratio*</b>	64 dB
<b>Differential Gain*</b>	< 3 %
<b>Differential Phase*</b>	< 3 °
<b>Field Tilt</b>	< 1 %
<b>Luminance Non-Linearity</b>	< 3 %
<b>Operating Temperature</b>	-30°C to +70°C (-22°F to +158°F)
<b>Power:</b>	
<b>Option 1</b>	6 - 7 VDC @ 0.4 A
<b>Option 2</b>	11 - 15 VDC @ 0.25 A

\*measured with 10 dBm optical attenuation.



# ECT200 SERIES

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## ORDERING INFORMATION

200BS-VT-M2Z-L – transmitter module 1550 nm / 2 fiber  
200BS-VT -M1Z-L – transmitter module 1530 & 1570 nm / 1 fiber

200BS-VR-M2Z-L – receiver module 1260 – 1620 nm / 2 fiber  
200BS-VR-M1Z-L – receiver module 1530 & 1570 nm / 1 fiber

200BS-VX-M2Z-L – transceiver module 1550 nm / 2 fiber  
200BS(15.3)-VX-M1Z-L – transceiver module / 1 fiber: 1530 nm/TX & 1570 nm/RX  
200BS(15.7)-VX-M1Z-L – transceiver module / 1 fiber: 1570 nm/TX & 1530 nm/RX

**Z** = **FC, ST, SC** for optical connectors



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