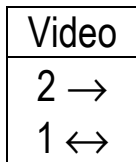


# ECT200 SERIES

## ECT200B-R-L DUAL CHANNEL VIDEO WITH 30 MHZ BANDWIDTH, 0 – 5 V SIGNAL AND UP TO 136 km/85 mi RANGE FM OPTICAL LINK



### FEATURES

- ❑ Remote Transmission Solution for Radar Display Applications
- ❑ Composite and Component Video Transmission
- ❑ Video Gen-Lock and Sync Transmission
- ❑ Up to 30 MHz Video Bandwidth
- ❑ Balanced Video Input
- ❑ Operating Range Up to 136 km / 85 miles
- ❑ High Accuracy In/Out Signal Transmission with No Adjustments
- ❑ 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	

The ECT200B-R-L system provides high performance link for transmission of two video signal 0 - 5 V over a fiber optic cable.

The ECT200B-R-L system is designed to be used a remote transmission solution for radar and special purpose display applications. The link can be also used to transmit video gen-lock, sync, and component video signals over fiber optic cable.

The ECT200B-R-L transmitter and receiver are fully compatible with ECT100B-R-L & ECT400B-R-L type systems allowing for mixed configurations when required.

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

<b>Video Bandwidth @ 2dB</b>	10 Hz – 30 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 1km for single mode optical cable and 10 dBm optical attenuation.



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## ORDERING INFORMATION

200BS-VT-M2Z-R-L – transmitter module 1550 nm / 2 fiber

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

200BS-VR-M2Z-R-L – receiver module 1260 – 1620 nm / 2 fiber

200BS-VR-M1Z-R-L – receiver module 1530 & 1570 nm / 1 fiber

200BS-VX-M2Z-R-L – transceiver module 1550 nm / 2 fiber

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

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

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

**Note:** The specifications are subject to change without notice.



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