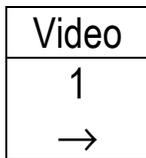


# ECT100 SERIES

## ECT100B-L SINGLE CHANNEL VIDEO WITH 30 MHZ BANDWIDTH AND UP TO 136 km/85 mi RANGE FM OPTICAL LINK



The ECT100B-L system provides high performance link for unidirectional transmission of composite video signal over a fiber optic cable. The system features CCTV professional video quality and guarantees quality transmission of video signals with maximum bandwidth up to 30 MHz. The system is designed for transmission of high resolution video signals (700+ TVL) and other special applications that may require wide band transmission path.

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

The ECT100B-L utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

### ORDERING INFORMATION

100BS-VT-M1Z-L – transmitter module  
 100BS-VR-M1Z-L – receiver module

Z = FC, ST, SC for optical connectors

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

### FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Up to 30 MHz Video Bandwidth
- ❑ Balanced Video Input
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Operating Range Up to 136 km / 85 miles
- ❑ Power and Signal Status Indicators

<b>Operating Wavelength</b>	1550 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
<b>Optical Connectors</b>	ST, SC, FC

<b>Video Bandwidth @ 2 dB</b>	10Hz - 30 MHz
<b>Video Input</b>	75 Ohm universal: balanced or unbalanced
<b>Video Input/Output 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>Power Requirements</b>	11 - 14 VDC @ 150 mA, 21 - 27 VAC @ 100 mA
<b>Operating Temperature</b>	-30°C to +70°C (-22°F to +158°F)
<b>Dimensions (w/o connectors):</b>	
<b>Transmitter</b>	3.20"(81mm) x 3.72"(95mm) x 1.1"(28mm)
<b>Receiver</b>	4.17"(106mm) x 3.65"(93mm) x 1.1"(28mm)

\*measured as per RS-250C @ 1km optical cable and 10dB attenuation.



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