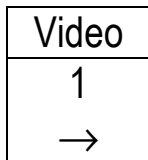


## ECT100-L

## SINGLE CHANNEL VIDEO FM OPTICAL LINK WITH UP TO 136 km/85 mi RANGE



The ECT100-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 16 MHz.

The ECT100-L transmitters/receivers are fully compatible with any ECT200, ECT200-L, ECT400 or ECT400-L type systems allowing for mixed configurations when required.

The ECT100-L utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

### ORDERING INFORMATION

100S-VT-M1Z-L – transmitter module

100S-VR-M1Z-L – receiver module

Z = FC, ST, SC for optical connectors

### FEATURES

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

Operating Wavelength	1550 nm
Optical Core Diameter	8/10µ
Optical Power Source	DFB Laser
Optical Power Output	0 (+/- 0.5) dBm
Receiver Sensitivity	-45 dBm
Optical Connectors	ST, SC, FC

Video Bandwidth @ 2 dB	10Hz - 16 MHz
Video Input	75 Ohm universal: balanced or unbalanced
Video Input/Output Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio*	64 dB
Differential Gain*	< 3%
Differential Phase*	< 3°
Field Tilt	< 1 %
Luminance Non-Linearity	< 3%
Power Requirements	11 - 14 VDC @ 150 mA, 21 - 27 VAC @ 100 mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions:	
Transmitter	3.20"(81mm) x 3.72"(95mm) x 1.1"(28mm)
Receiver	4.17"(106mm) x 3.65"(93mm) x 1.1"(28mm)

\*measured with 1km optical cable and 10 dBm optical attenuation.

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

