

ECT400B-L FOUR CHANNEL VIDEO WITH 30 MHZ BANDWIDTH AND UP TO 136 km/85 mi RANGE FM OPTICAL LINK



FEATURES

- ❑ Near Broadcast Video Quality
- ❑ Balanced Video Inputs
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Four Video Channels per Single Card
- ❑ Operating Range Up to 136 km / 85 miles
- ❑ Four, Two or One Fiber Configurations
- ❑ Power and Signal Status Indicators



Configuration	4 Fiber	2 Fiber	1 Fiber
Operating Wavelength	1550 nm	1530/1570 nm	1490, 1530, 1570, 1610 nm
Optical Core Diameter	8/10µ		
Optical Power Source	DFB Laser		
Optical Power Output	0 (+/- 0.5) dBm		
Receiver Sensitivity:	-44 dBm	-43 dBm	
Optical Connectors	FC, SC, ST		

The ECT400B-L system provides high performance link for transmitting up to four unidirectional composite video signals over four, two or one fiber optic cables. The system features CCTV professional video quality and guarantees quality transmission of video signals with maximum bandwidth up to 30 MHz.

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

The ECT400B-L utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

Video Bandwidth @ 2 dB	30 MHz
Video Input	75 Ohm balanced
Video Output	75 Ohm 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 %
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Power Requirements (transmitter)	11 – 15 VDC/0.3A
Power Requirements (receiver)	11 – 15 VDC/0.5A
Dimensions	11.6"(295 mm) x 5.2"(132 mm) x 1.05"(27 mm)
Mean Time Between Failures (MTBF):	>100,000 Hrs.

**measured with 10 dBm optical attenuation.*



ORDERING INFORMATION

400BS-VT-M4Z-L – transmitter module 1550 nm / 4 fiber
400BS-VT-M2Z-L – transmitter module 1530 & 1570 nm / 2 fiber
400S-VT-M1Z-L – transmitter module 1490, 1530, 1570 & 1610 nm / 1 fiber

400BS-VT-C4Z-L – transmitter card* 1550 nm / 4 fiber
400BS-VT-C2Z-L – transmitter card* 1530 & 1570 nm / 2 fiber
400BS-VT-C1Z-L – transmitter card* 1490, 1530, 1570 & 1610 nm / 1 fiber

400BS-VR-M4Z-L – receiver module 1260 - 1620 nm / 4 fiber
400BS-VR-M2Z-L – receiver module 1530 & 1570 nm / 2 fiber
400BS-VR-M1Z-L – receiver module 1490, 1530, 1570 & 1610 nm / 1 fiber

400BS-VR-C4Z-L – receiver card* 1260 - 1620 nm / 4 fiber
400BS-VR-C2Z-L – receiver card* 1530 & 1570 nm / 2 fiber
400BS-VR-C1Z-L – receiver card* 1490, 1530, 1570 & 1610 nm / 1 fiber

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

**compatible with USR type chassis;*

Note: The specifications are subject to change without notice.



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