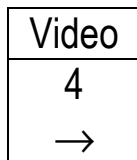
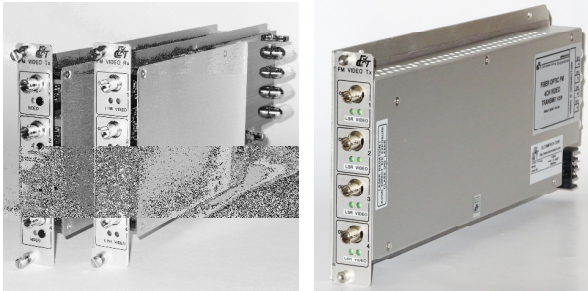


ECT400 SERIES

ECT400-R-L FOUR CHANNEL VIDEO WITH 0 - 5V SIGNAL AND UP TO 136 km/85 mi RANGE FM OPTICAL LINK



The ECT400-R-L system provides high performance link for transmitting up to four unidirectional video signals 0 - 5 Vp-p over four or two fiber optic cables.

The ECT400-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.

All ECT400-R-L transmitter/receiver cards are fully compatible with any ECT100-R-L and ECT200-R-L type system allowing for mixed configurations when required. The ECT400-R-L utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

FEATURES

- ❑ Remote Transmission Solution for Radar Display Applications
- ❑ Composite and Component Video Transmission
- ❑ Up to 18 MHz Video Bandwidth
- ❑ Operating Range Up to 136 km / 85 miles
- ❑ Video Gen-Lock and Sync Transmission
- ❑ Balanced Video Inputs
- ❑ 4 Channels per Single Card
- ❑ 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		

System Bandwidth @ 2 dB	10 Hz - 18 MHz
Signal Input Impedance (transmitter)	75 Ohm balanced
Input/Output Signal Level	0 - 5 Vp-p @ 75 Ohm
Signal-to-Noise Ratio*	64 dB
Differential Gain	< 3 %
Differential Phase	< 3°
Sync Tilt	< 1.0 %
Power Requirements (transmitter)	11 - 15 VDC/0.3A
Power Requirements (receiver)	11 - 15 VDC/0.5A
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
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.



Elcommtech Corp. 2620 Ocean Parkway, Suite 4H, Brooklyn, NY 11235
 Tel (718) 743-2869 • Fax (718)648-3642 • E-mail sales@elcommtech.com
<http://www.elcommtech.com>

ORDERING INFORMATION

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

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

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

400S-VR-C4Z-R-L – receiver card* 1260 - 1620 nm / 4 fiber
400S-VR-C2Z-R-L – receiver card* 1530 & 1570 nm / 2 fiber
400S-VR-C1Z-R-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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