

ECT2RT-L TWO VIDEO RECEIVER AND FOUR DUPLEX DATA FM OPTICAL UNIT WITH UP TO 136 km/85 mi RANGE



Video	Data
2	4
→	↔

The ECT2RT-L system provides high performance link for receiving of two unidirectional composite video signals along with four bi-directional data channels over two or four fibers. The system features CCTV professional video quality and high speed data transfer capability.

All ECT2RT-L units are fully compatible with ECT1TR-L type video transmitter/data transceiver units allowing for mixed configurations when required.

The ECT2RT-L system utilizes linear frequency demodulation and very low noise reception technology to assure high quality and stability.

FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ High Speed Duplex Multi-Format Data Ports
- ❑ Operating Range Up to 136 km / 85 miles
- ❑ Power and Signal Status Indicators

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

Video Bandwidth @ 3dB	7 MHz
Video Output	75 Ohm unbalanced
Video Output Level	NTSC: 1.0 V p., PAL: 1.3 V p. (+/-10%)
Signal-to-Noise Ratio	62 dB*
Differential Gain	< 4 %
Differential Phase	< 4 °
Field Tilt	< 2 %
Luminance Non-Linearity	< 4 %
Data Interface	RS-422
Data Rate	Up to 200 Kb/s
Bit Error Rate	10 ⁻⁹
Power Requirements	11 - 15 VDC @ 550mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions (w/o connectors)	11.6"(295 mm) x 5.2"(132 mm) x 1.05"(27 mm)

* measured as per RS-250C @ 1km optical cable



ECT200 SERIES

ORDERING INFORMATION

2RTS-VR/DX-Y4Z-L – 2 ch. video, 4 ch. data receiver 1550 nm & 4 ch. data transmitter 1550 nm / 4 fiber

2RTS-VR/DX-Y2Z-L – 2 ch. video, 4 ch. data receiver 1530 nm & 4 ch. data transmitter 1570 nm / 2 fiber

R = Receiving data interface: 1 – for TTL, 3 – for RS-232, 4 – for RS-422, 5 – for RS-485, 9 – for Contact Closure

T = Transmitting data interface: 1 – for TTL, 3 – for RS-232, 4 – for RS-422, 5 – for RS-485, 9 – for Contact Closure

Y = M – for module, C – for rack card*

Z = FC, SC, ST - for optical connectors

**compatible with USR type chassis.*

Note: The specifications are subject to change without notice.



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>

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