

## 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

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

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

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



# ECT200 SERIES

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## 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.



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