

ECT200 SERIES

ECT200-L DUAL CHANNEL VIDEO FM OPTICAL LINK WITH UP TO 136 km/85 mi RANGE



| |
|-------|
| Video |
| 2 → |
| 1 ↔ |

FEATURES

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

| Configuration | 2 Fiber | 1 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 | |
| Receiver Sensitivity | -45 dBm | -44 dBm |
| Optical Connectors | ST, SC, FC | |

ECT200-L system provides high performance link for transmitting of two composite video signals over one or two fiber optic cables. The system features CCTV professional video quality and guarantees quality transmission of video signals with maximum bandwidth up to 16 MHz.

All ECT200-L transmitter/receiver cards are fully compatible with any ECT100-L and ECT400-L type systems allowing for mixed configurations when required.

ECT200-L utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

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|-------------------------|---|
| Video Bandwidth @ 2dB | 10 Hz - 16 MHz |
| Video Input Impedance | 75 Ohm universal: balanced or unbalanced |
| Video Input 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: | |
| Option 1 | 6 - 7 VDC @ 0.4 A |
| Option 2 | 11 - 15 VDC @ 0.25 A |

*measured with 1km for single mode optical cable and 10 dBm optical attenuation.



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ORDERING INFORMATION

200S-VT-M2Z-L – transmitter module 1550 nm / 2 fiber

200S-VT -M1Z-L – transmitter module 1530 & 1570 nm / 1 fiber

200S-VR-M2Z-L – receiver module 1260 – 1620 nm / 2 fiber

200S-VR-M1Z-L – receiver module 1530 & 1570 nm / 1 fiber

200S-VX-M2Z-L – transceiver module 1550 nm / 2 fiber

200S(15.3)-VX-M1Z-L – transceiver module / 1 fiber: 1530 nm/TX & 1570 nm/RX

200S(15.7)-VX-M1Z-L – transceiver module / 1 fiber: 1570 nm/TX & 1530 nm/RX

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



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