

ECT200B DUAL CHANNEL VIDEO FM OPTICAL LINK WITH 30 MHZ CHANNEL BANDWIDTH



Video
2 →
1 ↔

ECT200B 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 30 MHz.

The system is designed for transmission of high resolution video signals (700+ TVL) and other special applications that may require wide band transmission path.

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

ECT200B utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

ORDERING INFORMATION

200BE-VU-M(P)YZ - standalone module

- E = M for multimode
- = M(13) for multimode 1300nm
- = S for single mode receiver or 1310nm transmitter
- = SP for high power (0 dBm) 1310nm transmitter
- = S(15) for single mode 1550nm transmitter
- = S(15)P for high power (0 dBm) 1550nm transmitter
- = S(15)D for single mode 1550nm/DFB laser transmitter
- = S(15)PD for high power (0 dBm)/DFB laser 1550nm transmitter
- U = T for transmitter, R for receiver, X for transceiver
- P = 12 for power option 2 (10 -15 VDC)
- Y = 1, 2 for number of fiber
- Z = ST, FC or SC connectors

FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Up to 30 MHz Video Bandwidth
- ❑ Balanced Video Input
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Two Video Channels per Standalone Module
- ❑ Multimode and Singlemode Versions
- ❑ Power and Signal Status Indicators

Operating Wavelength	850 nm	1300 nm	1310/1550nm
Optical Core Diameter	50µ/62.5µ		8/10µ
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-3 dBm	-14 dBm	-3 dBm
Receiver Sensitivity	-31 dBm	-33 dBm	-35 dBm
Receiver Sensitivity**	-30 dBm	-32 dBm	-34 dBm
Optical Connectors	ST, SC		FC, ST, SC

* with +/- 1 dBm variation

** for one-fiber configuration with internal WDM

Video Bandwidth @ 2 dB	10Hz - 30 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	66 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 as per RS-250C @ 100m for multimode and 1km for single mode optical cable.



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>