

ECT200 SERIES

ECT200 TWO CHANNEL SIMPLEX VIDEO FM OPTICAL LINK OR ONE DUPLEX CHANNEL VIDEO FM OPTICAL LINK



Video
2 →
1 ↔

ECT200 system provides high performance link for transmitting of two composite video signals over one or two fiber optic cables with simplex or duplex transmission. The system features CCTV professional video quality and guarantees quality transmission of video signals with maximum bandwidth up to 18 MHz.

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

ORDERING INFORMATION

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

E = M for multimode receiver and 850 nm transmitter
 = S for single mode receiver or 1310 nm transmitter
 = S(15) for single mode receiver and 1550nm transmitter
 = SD, S(15)D for DFB laser option transmitter

U = T for transmitter, R for receiver, X for transceiver
 P = 12 for power option 2 (11 -15 VDC)
 Y = 1, 2 for number of fiber
 Z = ST, FC or SC connectors

FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Balanced Video Input
- ❑ Video Bandwidth up to 18 MHz
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Two Video Channels per Standalone Module
- ❑ Multimode and Single mode Versions
- ❑ Power and Signal Status Indicators
- ❑ Dry contact lost signal alarm

Operating Wavelength	850 nm	1310/1550 nm
Optical Core Diameter	50μ/62.5μ	8/10μ
Optical Power Source	VCSEL	Laser
Optical Power Output*	-4 dBm	-6 dBm
Receiver Sensitivity	-34 dBm	-34 dBm
Receiver Sensitivity**	-32 dBm	-33 dBm
Optical Connectors	ST, SC	FC, ST, SC

* with +/- 1 dBm variation;

** for one-fiber configuration with internal WDM.

Video Bandwidth @ 2dB	10 Hz - 18 MHz
Video Input Impedance	75 Ohm universal: balanced
Video Input Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio*	60 dB
Differential Gain	< 4 %
Differential Phase	< 4 °
Field Tilt	< 2 %
Luminance Non-Linearity	< 4 %
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.



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