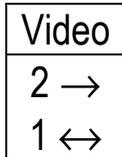


ECT200 SERIES

ECT200-R DUAL CHANNEL VIDEO FM OPTICAL LINK WITH 0 - 5 V SIGNAL LEVEL RANGE



The ECT200-R system provides high performance link for transmitting of two video signal 0 - 5 V over a fiber optic cable. The ECT200-R system is designed to be used a remote transmission solution for radar and special purpose display applications. The link can be also used to transmit video gen-lock, sync, and component video signals over fiber optic cable. The ECT200-R FM transmitter/receiver are fully compatible with ECT100-R, ECT100MM-R and ECT400-R type systems allowing for mixed configurations when required. The ECT200-R utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

ORDERING INFORMATION

200E-VU-MYZ-R - 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 laser1550nm transmitter
- U = T for transmitter, R for receiver, X for transceiver
- Y = 1, 2 for number of fiber
- Z = ST, FC or SC connectors

FEATURES

- ❑ Remote Transmission Solution for Radar Display Applications
- ❑ Composite and Component Video Transmission
- ❑ Video Gen-Lock and Sync Transmission
- ❑ Balanced Video Input
- ❑ Multimode and Singlemode Versions
- ❑ High Accuracy In/Out Signal Transmission with No Adjustments
- ❑ Power and Signal Status Indicators

Operating Wavelength	850 nm	1300 nm	1310/1550 nm
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.

System Bandwidth @ 2dB	10 Hz - 18 MHz
Signal Input Impedance (transmitter)	75 Ohm universal: balanced or unbalanced
Input/Output Signal Level	0 - 5 V @ 75 Ohm
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:	12 - 13 VDC @ 0.4 A, regulated

*measured as per RS-250C @ 100m for multimode and 1km for single mode optical cable.



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