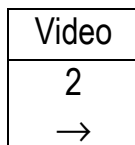


ECT200H-R 2 CHANNEL VIDEO/12 BIT DIGITAL OPTICAL LINK WITH 0 - 5V SIGNAL LEVEL RANGE



The ECT200H-R system provides high performance link for transmitting of two video signals 0 - 5 Vp-p over two or one fiber optic cables. The ECT200H-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. ECT200H-R utilizes high speed Analog-to-Digital and Digital-to-Analog Conversion with 12-Bit Resolution, Digital Signal Processing, Time Division Multiplexing and Fibre Optic Transmission at a data rate of up to 1.4 Gbit/sec.

ORDERING INFORMATION

200HE-VT-XYZ-R – 2 ch. transmitter
 200HE-VR-XYZ-R – 2 ch. receiver

- E = M for multimode 850nm
- = S for single mode receiver or 1310nm transmitter
- = SP for high power (0 dBm) 1310nm transmitter option
- = S(15) for single mode 1550nm transmitter
- = S(15)P for high power (0 dBm) 1550nm transmitter option
- X = C for card style*
- = M for module style
- Y = 1, 2 for number of fibers
- Z = FC, ST for optical connectors

*compatible with USR series chassis

FEATURES

- ❑ Remote Transmission Solution for Radar Display Applications
- ❑ Composite and Component Video Transmission
- ❑ Video Gen-Lock and Sync Transmission
- ❑ 12 bit Uncompressed Digital Processing
- ❑ Two Channels per Single Card
- ❑ Multimode and Singlemode Versions
- ❑ Two or One Fiber Configurations
- ❑ Power and Signal Status Indicators

Fiber Type	Multimode	Singlemode
Optical Core Diameter	50μ or 62.5μ	8/10μ
Operating Wavelength	850	1310/1550 nm
Optical Power Source	Laser (VCSEL)	Laser
Optical Power Output*	- 3 dBm	- 3 dBm
Receiver Sensitivity	-30 dBm	-33 dBm
Optical Connectors	ST	FC, ST

* with +/-1 dBm variation; higher power laser sources are available per special request.

Video Bandwidth @ 2 dB*	10 Hz - 10 MHz
Video Input	75Ω balanced
Input/Output Signal Level	0 - 5 V @ 75 Ohm
Signal-to-Noise Ratio	70 dB**
Differential Gain	< 1 %
Differential Phase	< 1 °
Field Tilt	< 0.5 %
Luminance Non-Linearity	< 1 %
Chrominance/Luminance Delay	< 20ns
Power Requirements	11 – 15 VDC @ 0.5A
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions	11.6"(295 mm) x 5.2"(132 mm) x 1.05"(27 mm)

* higher video bandwidth (up to 30 MHz) is available per special request
 ** measured as per RS-250C @ 4km, 8-9μ cable



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