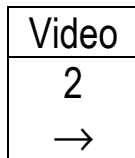


ECT200H 2 CHANNEL VIDEO/12 BIT DIGITAL OPTICAL LINK



The ECT200H system provides a high performance link for transmitting of two composite video signals over a dual or single fiber optic cable. The system features broadcast video quality providing 12-bit video processing with uncompressed digital transmission. ECT200H 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 – 2 ch. transmitter

200HE-VR-XYZ – 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

- ❑ Broadcast Video Quality with 12-bit Uncompressed Video Processing
- ❑ Supports NTSC, PAL, SECAM and Component (YUV, RGB, Y/C) Video Formats
- ❑ Multimode or Single Mode Versions
- ❑ Two or One Fiber Configurations
- ❑ Multifunction 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 MHz
Video Input	75Ω balanced
Video Input Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio	72 dB**
Differential Gain	< 0.5 %
Differential Phase	< 0.5 °
Field Tilt	< 0.5 %
Luminance Non-Linearity	< 0.5%
Chrominance/ Luminance Delay	< 20ns
K-2T Factor	< 1.0%
Power Requirements	11 – 15 VDC @ 0.5A
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions	11.6"(295 mm) x 5.2"(132 mm) x 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

