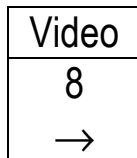


ECT5800-L 8 CHANNEL VIDEO/10 BIT DIGITAL OPTICAL LINK WITH UP TO 96 km/60 mi RANGE



The ECT5800-L system provides a high performance link for transmitting up to eight unidirectional composite video signals over a single or dual fiber optic cable. The system features broadcast video quality providing 10-bit video processing with uncompressed digital transmission. The ECT5800-L utilizes high speed analog-to-digital and digital-to-analog conversion, digital signal processing, time division multiplexing and fibre optic transmission at a data rate of up to 1.4 Gbit/sec.

FEATURES

- ❑ Broadcast Video Quality with 10-bit Uncompressed Video Processing
- ❑ Operating Range Up to 96 km / 60 miles
- ❑ Supports NTSC, PAL, SECAM and Component (YUV, RGB, Y/C) Video Formats
- ❑ 8 Composite Video Channels per Single Fiber with WDM
- ❑ Input Video Cable Equalization
- ❑ Multifunction Signal Status Indicators

Fiber Type	Singlemode
Optical Core Diameter	8/10 μ
Operating Wavelength:	
Transmitter	1550 nm or CWDM/1470 – 1610 nm
Receiver	1260 – 1620 nm
Optical Power Source	DFB Laser
Optical Power Output	0 (+/- 0.5) dBm
Receiver Sensitivity:	
Two fiber configuration	-33 dBm
One fiber configuration	-32 dBm
Receiver Maximum Input	-6 dBm
Optical Power	
Optical Connectors	FC, ST, SC

Video Bandwidth @1dB	10 Hz - 7 MHz
Video Input	75 Ohm balanced
Video Output	75 Ohm unbalanced
Video Input Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Video Equalization Range	Up to 300 m
Signal-to-Noise Ratio	64 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 @ 1.0 A
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions	11.6"(295 mm) x 5.2"(132 mm) x 2.0"(51 mm)



ORDERING INFORMATION

5800S-VT-M2Z-L – 8 channel video transmitter module 1550 nm, 2 fiber
5800S-VT-C2Z-L – 8 channel video transmitter card* 1550 nm, 2 fiber

5800S-VR-M2Z-L – 8 channel video receiver module 1260 – 1620 nm, 2 fiber
5800S-VR-C2Z-L – 8 channel video receiver card* 1260 – 1620 nm, 2 fiber

5800S-VT-M1Z-L – 8 ch. video transmitter module 1530 & 1570 nm, 1 fiber
5800S-VT-C1Z-L – 8 ch. video transmitter card* 1530 & 1570 nm, 1 fiber

5800S-VR-M1Z-L – 8 ch. video receiver module 1530 & 1570 nm, 1 fiber
5800S-VR-C1Z-L – 8 ch. video receiver card* 1530 & 1570 nm, 1 fiber

Z = **FC, SC, ST** optical connectors

**compatible with USR series chassis*

