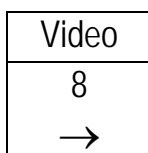


ECT2800

8 CHANNEL DIGITAL VIDEO LINK



The ECT2800 system provides a high performance link for transmitting up to eight unidirectional composite video signals over a single fiber optic cable. The system features professional CCTV video quality providing 8-bit video processing with uncompressed digital transmission. ECT2800 utilizes high speed analog-to-digital and digital-to-analog conversion with 8-bit resolution, digital signal processing, time division multiplexing and fibre optic transmission at a data rate of up to 700 Mbit/sec.

ORDERING INFORMATION

2800F-VT/U-XYZ – 8 channel transmitter
 2800F-VR/U-XYZ – 8 channel receiver

- F = M for multimode 850nm/2 fiber
- = M(13) for multimode 850 & 1310 nm/1 fiber
- = S for single mode 1310nm/2 fiber
- = S(15) for single mode 1550nm/2 fiber or 1310 & 1550 nm/1 fiber
- U = 15 for special order - 15 mHz
- X = C for card style*
- = M for module style
- Y = 1 or 2 – number of fibers
- Z = ST, FC, SC optical connectors

*compatible with USR series chassis.

FEATURES

- ❑ CCTV Professional Video Quality with 8-bit Uncompressed Video Processing
- ❑ Balanced Video Inputs Uncompressed Video Processing
- ❑ Supports NTSC, PAL, SECAM and Component (YUV, RGB, Y/C) Video Formats
- ❑ 8 Composite Video Channels per Single Fiber with WDM
- ❑ Multifunction Power and Signal Status Indicators

Fiber Type	Multimode		Singlemode
	50μ	62.5μ	8/10μ
Optical Core Diameter	50μ	62.5μ	8/10μ
Operating Wavelength	850/1310 nm		1310 and/or 1550 nm
Optical Power Source	Laser		Laser
Optical Power Output	-3 dBm @ 850nm		-3 dBm*
Receiver Sensitivity	-22 dBm @ 850nm		-25 dBm
Optical Connectors	ST or SC		FC, ST or SC

*per wavelength with +/- 1.5 dBm variation; higher power laser sources are available per special request;
 ** for module option only.

Video Bandwidth @ 1dB	7 mHz*
Video Input	75 Ohm balanced
Video Input Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio	56 dB**
Differential Gain	< 1.0 %
Differential Phase	< 1.0 °
Field Tilt	< 0.5 %
Luminance Non-Linearity	< 1.0%
Power Requirements	12 V DC @ 0.8A
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions	11.6"(295mm) x 5.2"(133mm) x 2.0"(51mm)

* wider video bandwidth up to 15 MHz is available per special request;
 ** measured with ECT2800 receiver as per RS-250C.



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