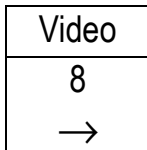


ECT2800

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 1.4 Gbit/sec.

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	1310 and/or 850 nm		1310 and/or 1550 nm
Optical Power Source	Laser		Laser
Optical Power Output*	-3 dBm @ 850 nm		-4 dBm
Receiver Sensitivity	-28 dBm @ 850 nm		-30 dBm
Receiver Sensitivity**	-26 dBm @ 850 nm		-28 dBm
Optical Connectors	ST or SC		FC, ST or SC

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

** for one-fiber configuration with internal WDM.

ORDERING INFORMATION

2800F-VT-XYZ – 8 channel transmitter

2800F-VR-XYZ – 8 channel receiver

- F** = **M** for multimode
 = **S** for single mode receiver or 1310nm
 = **SP** for high power (0 dBm) 1310nm
 = **S(15)** for single mode 1550nm
 = **S(15D)** for single mode 1550 nm with DFB laser
- 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.

Video Bandwidth @ 1dB*	5.5 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	11 - 15 VDC @ 0.8A
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions	11.6"(295 mm) x 5.2"(132 mm) x 2"(51 mm)

* measured with ECT2800 receiver as per RS-250C;

** higher video bandwidth (up to 16 MHz) is available per special request;



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