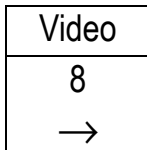


## ECT2800

## 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.

### 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.

### 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
<b>Optical Core Diameter</b>	50μ	62.5μ	8/10μ
<b>Operating Wavelength</b>	1310 and/or 850 nm		1310 and/or 1550 nm
<b>Optical Power Source</b>	Laser		Laser
<b>Optical Power Output*</b>	-3 dBm @ 850 nm		-4 dBm
<b>Receiver Sensitivity</b>	-28 dBm @ 850 nm		-30 dBm
<b>Receiver Sensitivity**</b>	-26 dBm @ 850 nm		-28 dBm
<b>Optical Connectors</b>	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.

<b>Video Bandwidth @ 1dB*</b>	5.5 MHz
<b>Video Input</b>	75 Ohm balanced
<b>Video Input Level</b>	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
<b>Signal-to-Noise Ratio**</b>	56 dB
<b>Differential Gain</b>	< 1.0 %
<b>Differential Phase</b>	< 1.0 °
<b>Field Tilt</b>	< 0.5 %
<b>Luminance Non-Linearity</b>	< 1.0%
<b>Power Requirements</b>	11 - 15 VDC @ 0.8A
<b>Operating Temperature</b>	-30°C to +70°C (-22°F to +158°F)
<b>Dimensions</b>	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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