

ECT2888 8 CHANNEL DIGITAL VIDEO, AUDIO & DATA LINK



FEATURES

- ❑ CCTV Professional Video Quality with 8-bit Uncompressed Video Processing
- ❑ Balanced Video Inputs
- ❑ Supports NTSC, PAL, SECAM and Component (YUV, RGB, Y/C) Video Formats
- ❑ 8 Composite Video Channels per Single Fiber
- ❑ 8 Mono Audio Channels with 24 bit Digital Processing
- ❑ 8 RS-232/RS-422/TTL/CMOS Data Channels
- ❑ Multifunction Power and Signal Status Indicators

Video	Audio	Data
8	8	8
→	→	→

The ECT2888 system provides a high performance link for transmitting up to 8 unidirectional composite video signals, 8 mono audio channels and 8 multiformat data channels over a single fiber optic cable. The system features CCTV professional video quality providing 8-bit video processing with uncompressed digital transmission. ECT2888 utilizes high speed analog-to-digital and digital-to-analog conversion, digital signal processing, time division multiplexing/demultiplexing and fibre optic transmission at a data rate of up to 1.4 Gbit/sec.

ORDERING INFORMATION

2888F-VADT/N-XYZ – 8 ch. transmitter
 2888F-VADR/N-XYZ – 8 ch. receiver

- F = M for multimode 850nm/2 fiber
- = M(13) for multimode 850 & 1310nm/1 fiber
- = S for singlemode 1310nm/2 fiber
- = S(15) for single mode 1550nm/2 fiber or 1310 & 1550nm/1 fiber
- N = 1 for TTL, 3 for RS-232, 4 for RS-422, 9 for Contact Closure
- X = C for card style*
- = M for module style
- Y = 1, 2 for number of fibers
- Z = FC, ST, SC for optical connectors

*compatible with USR series chassis

Fiber Type	Multimode		Singlemode
	50μ	62.5μ	8/10μ
Optical Core Diameter	850 & 1310nm		1310/1550 nm
Operating Wavelength	Laser		Laser
Optical Power Source	-3 dBm @ 850 nm		-3 dBm*
Optical Power Output	-20 dBm @ 850 nm		-22 dBm
Receiver Sensitivity	ST		FC, ST
Optical Connectors			

*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 %
Audio Bandwidth	20 Hz – 20 kHz
Audio Input	600 Ohm or 10K, balanced/unbalanced
Audio Input Level (max)	+12 dBm, balanced/unbalanced
Audio Output Level (max)	+12 dBm/unbalanced
Audio THD	< 0.1%
Audio S/N Ratio (weighted)	< 85 dB
Data Format	RS-232, RS-422, TTL/CMOS
Data Rate	Up to 7 Mbit/sec
Power Requirements:	
Transmitter	12 V DC @ 1.0 A
Receiver	12 V DC/regulated @ 1.0 A
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions	11.6"(295 mm) x 5.2"(133 mm) x 2.0"(51mm)

*measured with ECT2444 receiver as per RS-250C;



Elcommtech Corp. 2620 Ocean Parkway, Suite 4H, Brooklyn, NY 11235
 Tel (718) 743-2869 • Fax (718)648-3642 • E-mail sales@elcommtech.com
<http://www.elcommtech.com>