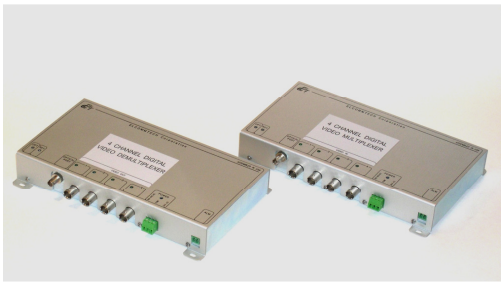
ECT400D FOUR CHANNEL DIGITAL 8 BIT VIDEO OPTICAL LINK



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
- ❑ Utilizes Single Fiber and Single Wavelength
- ❑ Multifunction Power and Signal Status Indicators

Video
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The ECT400D system provides a high performance link for transmitting up to four composite video signals over a single fiber optic cable (single wavelength.) The system features professional CCTV video quality providing 8-bit video processing with uncompressed digital transmission. ECT400D utilizes high speed Analog-to-Digital and Digital-to-Analog Conversion with 8-Bit Resolution, Digital Signal Processing, Time Division Multiplexing and Fiber Optic Transmission at a data rate of up to 1.4 Gbit/sec.

ORDERING INFORMATION

400D**F**-VT-**X1Z** – 4 ch. transmitter (TX)
400D**F**-VR-**X1Z** – 4 ch. receiver (RX)
400D**F**-VX-**XYZ** – 4 ch. transceiver (TRX)

F = **M** for multimode 850 nm
= **S** for single mode 1310 nm
= **SP** for high power (0 dBm) 1310 nm laser (for TX only)
= **S(15)** for single mode 1550 nm laser (for TX only)
= **S(15D)** for single mode 1550 nm DFB laser (for TX only)
X = **C** for card style*
= **M** for module style
Y = **1** fiber configuration
= **2** fiber configuration (for TRX only)**
Z = **FC, ST or SC***** optical connectors

**compatible with USR series chassis;*
*** two fiber configuration for 850 nm multimode TRX only;*
****for modules & tranceivers only.*

Note: The specifications are subject to change without notice.

Fiber Type	**Multimode**		**Singlemode**
Optical Core Diameter	**50µ**	**62.5µ**	**8/10µ**
Operating Wavelength	850		1310/1550 nm
Optical Power Source	Laser (VCSEL)		Laser
Optical Power Output*	-3 dBm		-3 dBm
Receiver Sensitivity	-28 dBm		-30 dBm
Optical Connectors	ST or SC**		FC, ST or SC**

**with +/- 1 dBm variation; higher power laser sources are available per special request;*
*** for modules & transceivers only.*

Video Bandwidth @ 2 dB*	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:	
Module	11 - 15 VDC @ 0.4A or 22 - 27 VAC @ 0.3A
Card (transmitter or receiver)	11 - 15 VDC @ 0.4A
Card (transceiver)	11 - 15 VDC @ 0.8A
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions:	
Module (transmitter or receiver)	8.00"(203mm) x 5.00"(127mm) x x 1.35"(34mm)
Card (transmitter or receiver)	11.5"(295 mm) x 5.2"(132 mm) x x 1"(26 mm)
Module/Card (transceiver)	11.6"(295 mm) x 5.2"(132 mm) x x 2"(51 mm)

** higher video bandwidth (up to 16 MHz) is available per special request;*
*** measured as per RS-250C @ 4km, 8-9µ cable.*

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