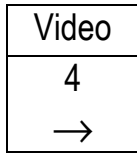


ECT2400 FOUR CHANNEL DIGITAL 8 BIT VIDEO LINK



The ECT2400 system provides a high performance link for transmitting up to four unidirectional 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. ECT2400 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

- 2400F-VT-X1Z – 4 ch. transmitter
- 2400F-VR-X1Z – 4 ch. receiver
- 2400F-VX-XYZ – 4 ch. transceiver

- F = M for multimode
- = S for single mode 1310 nm
- = SP for high power (0 dBm) 1310 nm
- = S(15) for single mode 1550 nm
- = S(15D) for single mode 1550 nm with DFB laser
- X = C for card style*
- = M for module style
- Y = 1, 2 for number of fibers
- Z = FC, ST or SC** optical connectors

*compatible with USR series chassis;
**for modules & transceivers only.

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

Fiber Type	Multimode		Singlemode
	50μ	62.5μ	8/10μ
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*	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:	
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	-30°C to +70°C (-22°F to +158°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.

