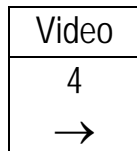


ECT2400

4 CHANNEL DIGITAL 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 Fibre Optic Transmission at a data rate of up to 700 Mbit/sec.

ORDERING INFORMATION

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

- F = M for multimode 850 nm
- = M(13) for multimode 850 & 1310 nm
- = S for single mode 1310 nm
- = S(15) for single mode 1550 nm or 1310 & 1550 nm
- U = 15 for special order - 15 mHz
- 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 module 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
Operating Wavelength	850		1310/1550 nm
Optical Power Source	Laser (VCSEL)		Laser
Optical Power Output	-3 dBm		-3 dBm*
Receiver Sensitivity	-24 dBm		-27 dBm
Optical Connectors	ST or SC**		FC, ST or SC**

*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 %
Power Requirements:	
Module	12 V DC @ 0.4A or 24 V AC @ 0.3A
Card (transmitter or receiver)	12 V DC @ 0.4A
Card (transceiver)	12 V DC @ 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 1.35"(34mm)
Card (transmitter or receiver)	11.55"(293mm) x 5.23"(133mm) x 1.04"(26mm)
Module/Card (transceiver)	11.55"(293mm) x 5.23"(133mm) x 2.04"(52mm)

* wider video bandwidth up to 15 MHz is available per special request;

** measured with ECT2400 receiver as per RS-250C.

