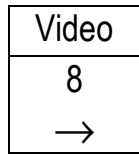


# ECT400 SERIES

## ECT402D EIGHT CHANNEL DIGITAL 8 BIT VIDEO OPTICAL LINK



The ECT402D system provides a high performance link for transmitting up to eight 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. ECT402D 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

402DF-VT-XYZ – 8 ch. transmitter (TX)  
 402DF-VR-XYZ – 8 ch. receiver (RX)

- 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
- Z = FC, ST or SC optical connectors

\* two fiber configuration only;

\*\*compatible with USR series chassis.

**Note:** The specifications are subject to change without notice.

### 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
- ❑ 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;

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/Card (transmitter or receiver)	11 - 15 VDC @ 0.8A or
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions:	
Module/Card (transmitter or receiver)	11.6"(295 mm) x 5.2"(132 mm) 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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