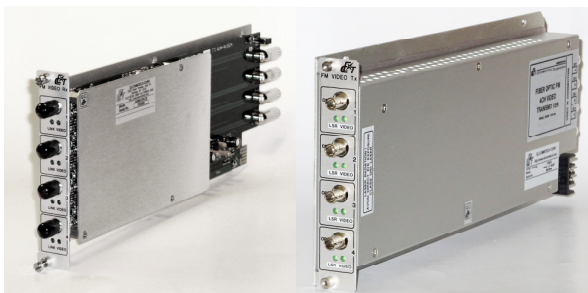


ECT400 SERIES

ECT400-R FOUR CHANNEL 0-5V SIGNAL VIDEO FM OPTICAL LINK



Video
4
→

The ECT400-R system provides high performance link for unidirectional transmission of four video signal 0 - 5 V over a four or two fiber optic cable. The ECT400-R system is designed to be used a remote transmission solution for radar and special purpose display applications. The link can be also used to transmit video, gen-lock, sync, and component video signals over fiber optic cable.

The ECT400-R utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

The ECT400-R transmitter/receiver units are fully compatible with ECT100-R type systems allowing for mixed configurations when required

ORDERING INFORMATION

400E-VT-XYZ-R – transmitter module

400E-VR-XYZ-R – receiver module

E = **M** for multimode 850 nm
= **S** for single mode receiver or 1310 nm transmitter
= **S(15)** for single mode 1550 nm transmitter
= **S(15)D** for single mode 1550 nm DFB transmitter

X = **M** – module style, **C** – rack card style (USR Series Chassis)
Y = **2, 4** for number of fiber
Z = **FC, SC, ST** for optical connectors

Note: The specifications are subject to change without notice.

FEATURES

- ❑ Remote Transmission Solution for Radar Display Applications
- ❑ Composite and Component Video Transmission
- ❑ Video, Gen-Lock and Sync Transmission
- ❑ Balanced Video Input
- ❑ Multimode and Single Mode Versions
- ❑ High Accuracy In/Out Signal Transmission with No Adjustments
- ❑ Power and Signal Status Indicators

Operating Wavelength	850 nm	1310/1550 nm
Optical Core Diameter	50μ/62.5μ	8/10μ
Optical Power Source	VCSEL	Laser
Optical Power Output*	-4 dBm	-4 dBm
Receiver Sensitivity:		
Four Fiber Version	-30 dBm	-35 dBm
Two fiber Version	N/A	-34 dBm
Optical Connectors	ST, SC	FC, SC, SC

* with +/- 1 dBm variation.

System Bandwidth @ 3 dB	10 Hz - 10 MHz
Signal Input Impedance (transmitter)	75 Ohm balanced or unbalanced
Input/Output Signal Level	0 - 5 V @ 75 Ohm
Signal-to-Noise Ratio*	62 dB
Differential Gain (max)	4%
Differential Phase (max)	4°
Luminance Non-Linearity (max)	4%
Sync Tilt (max)	2 %
Power Requirements:	
Transmitter	11 - 14 VDC @ 150mA,
Receiver	13.5 VDC @ 250mA regulated
Operating Temperature	-20°C to +70°C -4°F to +158°F
Dimensions (w/o connectors):	11.6" x 5.2" x 1.05" 295mm x 132mm x 27mm

*measured as per RS-250C @ 100m for multimode and 1km for single mode optical cable.



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