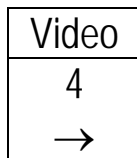


ECT400 QUAD VIDEO FM OPTICAL LINK



The ECT400 system provides high performance link for transmitting up to four unidirectional composite video signals over four or two fiber optic cables. The system features CCTV professional video quality and guarantees quality transmission of video signals with maximum bandwidth up to 14 MHz.

All ECT400 transmitter/receiver cards are fully compatible with any ECT100MM and ECT100 type systems allowing for mixed configurations when required.

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

ORDERING INFORMATION

400E-VT-XYZ – transmitter

400E-VR-XYZ – receiver

- E = M for multimode
- = M(13) for multimode 1300nm
- = S for single mode 1310nm
- = S(15) for single mode 1550nm
- X = M for module
- = C for rack card*
- Y = 4 or 2 for number of fibers
- Z = ST or FC connectors

*compatible with USR type chassis

FEATURES

- ❑ Near Broadcast Video Quality
- ❑ Balanced Video Inputs
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Four Video Channels per Single Card
- ❑ Multimode and Singlemode Versions
- ❑ Four or Two Fiber Configurations
- ❑ Power and Signal Status Indicators

Operating Wavelength	850 nm	1300 nm	1310/1550nm
Optical Core Diameter	50μ/62.5μ		8/10μ
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-8 dBm	-14 dBm	-8 dBm
Receiver Sensitivity	-33 dBm	-35 dBm	-35 dBm
Receiver Sensitivity**	-31 dBm	-33 dBm	-33 dBm
Optical Connectors	ST		FC, ST

* with +/- 1 dBm variation

** for two fiber configuration

Video Bandwidth @1dB	14 MHz
Video Input	75 Ohm balanced
Video Output	75 Ohm unbalanced
Video Input/Output Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio	68 dB*
Differential Gain	< 2 %
Differential Phase	< 2 °
Field Tilt	< 1.0 %
Luminance Non-Linearity	< 2 %
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Power Requirements	12VDC/0.4A
Dimensions	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)

* measured as per RS-250C @ 1km, 62.5μ cable



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