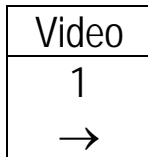


ECT100 FM VIDEO OPTICAL LINK



The ECT100 system provides high performance link for transmitting a unidirectional composite video signal over a fiber optic cable. The system features CCTV professional video quality and guarantees quality transmission of video signals with maximum bandwidth up to 14MHz.

The ECT100 transmitter/receiver are fully compatible with any ECT200 or ECT400 type systems allowing for mixed configurations when required.

The ECT100 utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

ORDERING INFORMATION

100E-VT-M1Z – transmitter module

100E-VR-M1Z – receiver module

- E = M for multimode
- = M(13) for multimode 1300nm
- = S for singlemode 1310nm
- = S(15) for singlemode 1550nm

Z = ST or FC optical connectors

FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Balanced Video Input
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Multimode and Singlemode Versions
- ❑ 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*	-7 dBm	-14 dBm	-8 dBm
Receiver Sensitivity	-33 dBm	-35dBm	-35 dBm
Optical Connectors	ST		FC, ST

* with +/- 1 dBm variation; higher power laser sources are available per special request.

Video Bandwidth @ 1dB	14 MHz
Video Input	75 Ohm balanced
Video Input/Output Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio	72dB*
Differential Gain	< 2%
Differential Phase	< 2°
Field Tilt	< 1 %
Luminance Non-Linearity	< 2%
Power Requirements	11 - 14 VAC/VDC @ 150mA, 21 - 27 VAC @ 100mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Tx Module Dimensions (without connectors)	3.20"(81mm) x 3.72"(95mm) x 1.1"(28mm)
Rx Module Dimensions (without connectors)	4.17"(106mm) x 3.65"(93mm) x 1.1"(28mm)

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



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