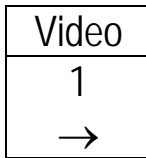


ECT100B

SINGLE VIDEO FM OPTICAL LINK WITH 24 MHZ CHANNEL BANDWIDTH



The ECT100B 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 24 mHz. The system is designed for transmission of high resolution video signals (700+ TVL) and other special applications that may require wide band transmission path. The ECT100B transmitter/receiver are fully compatible with any ECT200B or ECT400B type systems allowing for mixed configurations when required. The ECT100B utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

ORDERING INFORMATION

100BE-VT-M1Z – transmitter module
 100BE-VR-M1Z – receiver module

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

- Z = ST or FC optical connectors

FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Up to 24 mHz Video Bandwidth
- ❑ 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*	-8 dBm	-14 dBm	-8 dBm
Receiver Sensitivity	-31 dBm	-33 dBm	-33 dBm
Optical Connectors	ST		FC, ST

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

Video Bandwidth @ 1dB	24 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	66 dB*
Differential Gain	< 2%
Differential Phase	< 2°
Field Tilt	< 1 %
Luminance Non-Linearity	< 2%
Power Requirements	11 - 14 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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