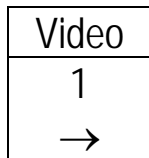


ECT100-MM SINGLE CHANNEL VIDEO FM MINI OPTICAL LINK



ECT100-MM 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-MM FM video mini transmitter/receiver are fully compatible with any ECT100, ECT200 or ECT400 type receiving/transmitting systems allowing for mixed configurations when required.

The ECT100-MM FM video mini transmitter/receiver utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

ORDERING INFORMATION

100E-VT-MM1Z – transmitter mini module

100E-VR-MM1Z – receiver mini module

- E = M for multimode 850nm
- = M(13) for multimode 1300nm
- = S for single mode or 1310nm (for transmitters)
- = S(15) for single mode 1550nm (for transmitters)

Z = ST or FC optical connectors

FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Up to 14 MHz Video Bandwidth
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Multimode and Singlemode Versions
- ❑ Power/Signal Status Indicator
- ❑ Compatible with 100 - 400 Series
- ❑ Compatible with 6 - 12 VDC Power Sources

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*	-4 dBm	-14 dBm	-4 dBm
Receiver Sensitivity	-34 dBm	-36 dBm	-36 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	75Ω unbalanced
Video Input Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio	60 dB*
Differential Gain	< 3 %
Differential Phase	< 2°
Field Tilt	< 1 %
Luminance Non-Linearity	< 3 %
Power Requirements:	
Transmitter	6-12 VDC @ 100mA for SM & MM/850nm 6-12 VDC @ 140mA for MM/1300nm
Receiver	6-12 VDC @ 150mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Module Dimensions:	
Transmitter**	2.73"(69.4mm) x 1.0"(25.4mm) x 0.92"(23.4mm)
Receiver**	3.42"(86.8mm) x 1.20"(30.7mm) x 0.92"(23.4mm)

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

**measured without optical & power connectors.

