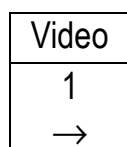


ECT100-MM

ONE CHANNEL VIDEO MINI FM OPTICAL LINK



ECT100-MM system provides high performance link for unidirectional transmission of 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 30 MHz.

The ECT100-MM FM video mini transmitter/receiver utilizes linear frequency modulation and very low noise transmission and reception technology to assure high quality and stability. The ECT100-MM FM video mini transmitter/receiver units are fully compatible with any ECT100 and ECT400 type systems allowing for mixed configurations when required.

ORDERING INFORMATION

100EH-VT-Y1Z – Video transmitter module

100EH-VR-Y1Z – Video receiver module

E = **M** for multimode 850 nm
 = **S** for single mode receiver and 1310 nm transmitter
 = **S(15)** for single mode 1550 nm transmitter
 = **S(15)D** for single mode DFB 1550 nm transmitter
H = **3** for higher 30 MHz bandwidth only
Y = **MM** for mini-module style, **MB** for mini-board style
Z = **FC, ST** for optical connectors

FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Up to 30 MHz Video Bandwidth
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Multimode and Single mode Versions
- ❑ Power/Signal Status Indicator

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	-31 dBm	-35 dBm
Optical Connectors	ST	FC, ST

*with +/- 1 dBm variation.

Video Bandwidth @ 3 dB*	10Hz - 18 MHz
Video Input	75Ω unbalanced
Video Input Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio**	62 dB
Differential Gain (max)	4 %
Differential Phase (max)	4°
Field Tilt (max)	2 %
Luminance Non-Linearity (max)	4 %
Power Requirements:	
Transmitter	6-12 VDC @ 100mA / regulated
Receiver	6-12 VDC @ 180mA / regulated
Operating Temperature	-20°C to +70°C 4°F to +158°F
Module Dimensions: (w/o connectors)	
Transmitter	2.73" x 1.0" x 0.92" 69.4mm x 25.4mm x 23.4mm
Receiver	3.42" x 1.20" x 0.92" 86.8mm x 30.7mm x 23.4mm

*higher 30 MHz bandwidth available.

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

Note: The specifications are subject to change without notice



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