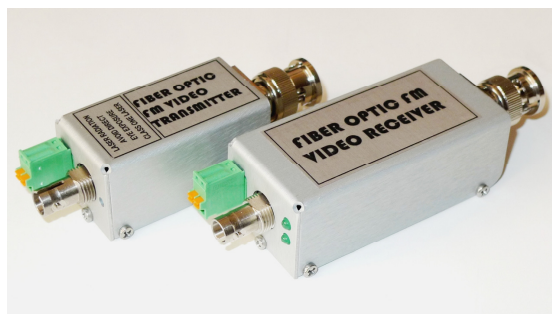


## ECT100-MM ONE CHANNEL VIDEO MINI FM OPTICAL LINK



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 technology to assure high quality and stability.

### ORDERING INFORMATION

100EH-VT-MM1Z – Video transmitter module

100EH-VR-MM1Z – 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  
 = SD, S(15)D for DFB lasers option transmitter  
 H = For higher 30 MHz bandwidth only

Z = ST, FC for optical connectors

**Note:** The specifications are subject to change without notice

### FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Up to 18 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 6 - 12 VDC Power Sources

Operating Wavelength	850 nm	1310/1550nm
Optical Core Diameter	50μ/62.5μ	8/10μ
Optical Power Source	VCSEL	Laser
Optical Power Output*	-4 dBm	-6 dBm
Receiver Sensitivity	-31 dBm	-34 dBm
Optical Connectors	ST, SC	FC, ST, SC

\*with +/- 1 dBm variation; measured with multimode 62.5μ or single mode 8-10μ 1metre patch cord.

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	< 4 %
Differential Phase	< 4°
Field Tilt	< 2 %
Luminance Non-Linearity	< 4 %
Power Requirements:	
Transmitter	6-12 VDC @ 100mA
Receiver	6 - 7 VDC @ 200mA
Operating Temperature	-20°C to +70°C (-4°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)

\*higher 30 MHz bandwidth available.

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

\*\*\*measured without optical & power connectors.

