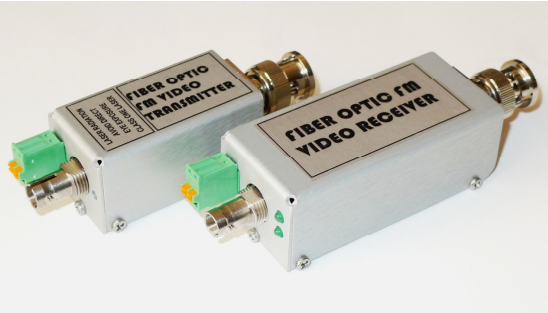
ECT100-MM SINGLE CHANNEL VIDEO FM MINI OPTICAL LINK



FEATURES

- CCTV Professional Video Quality
- Up to 16 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*	-3 dBm	-14 dBm	-3 dBm
Receiver Sensitivity	-30 dBm	-34 dBm	-37 dBm
Optical Connectors	ST		FC, ST

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

Video
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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 16 MHz.
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.

Video Bandwidth @ 2 dB	10Hz - 16 MHz
Video Input	75Ω unbalanced
Video Input Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio	68 dB*
Differential Gain	< 3 %
Differential Phase	< 3°
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 - 7 VDC @ 200mA (regulated)
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.*

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ORDERING INFORMATION

100**E**-VT-MM1**Z** – Video transmitter module

100**E**-VR-MM1**Z** – Video receiver module

E = **M** for multimode 850 nm
= **M(13)** for multimode 1300 nm
= **S** for single mode receiver or 1310 nm transmitter
= **SP** for single mode high power (=/> 0 dBm) 1310 nm transmitter
= **SPD** for single mode high power (=/> 0 dBm) 1310 nm / DFB transmitter
= **S(15)** for single mode 1550 nm transmitter
= **S(15)P** for single mode high power (=/> 0 dBm) 1550 nm transmitter
= **S(15)D** for single mode 1550 nm / DFB transmitter
= **S(15)PD** for high power (=/> 0 dBm) 1550 nm / DFB transmitter
= **S(W)** for single mode CWDM / DFB transmitter
= **S(W)P** for high power (=/> 0 dBm) CWDM / DFB transmitter

CWDM wavelength **(W)**: **14.7**(1470 nm), **14.9**(1490 nm), **15.1**(1510 nm), **15.3**(1530 nm), **15.5**(1550 nm), **15.7**(1570nm), **15.9**(1590 nm), **16.1**(1610 nm).

Z = **FC, ST** for optical connectors

Note: The specifications are subject to change without notice.

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