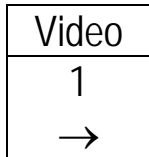


ECT100MM-R FM VIDEO MINI TRANSMITTER MODULE WITH EXTENDED SIGNAL LEVEL RANGE



The ECT100-R FM Video Mini Transmitter provides high performance link for transmitting a unidirectional video signal 0 - 5 Vp-p over a fiber optic cable. The unit is designed to be used a remote transmission solution for radar and special purpose display applications.

The ECT100-R FM Video Mini Transmitter can be also used to transmit video gen-lock, sync, and component video signals over fiber optic cable.

The ECT100MM-R FM Mini Transmitter is fully compatible with any ECT200-R or ECT400-R type receiving systems allowing for mixed configurations when required.

The ECT100-R utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

ORDERING INFORMATION

100E-VT-MM1Z-R – transmitter module

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

- Z = ST or FC optical connectors

FEATURES

- ❑ Remote Transmission Solution for Radar Display Applications
- ❑ Composite and Component Video Transmission
- ❑ Video Gen-Lock and Sync Transmission
- ❑ Up to 12 MHz Video Bandwidth
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Multimode and Singlemode Versions
- ❑ Power/Signal Status Indicator
- ❑ Compatible with 6 - 12 VDC Power Sources
- ❑ Compatible with 24 VAC (with external in-cable adapter)

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	-15 dBm	-8 dBm
Optical Connectors	ST		FC, ST

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

System Bandwidth @ 1dB	10Hz - 12MHz
Signal Input Impedance	75 Ohm unbalanced
Input Signal Level	0 -5 V p-p @ 75 Ohm
Signal-to-Noise Ratio*	65 dB
Differential Gain*	< 5%
Differential Phase*	< 3°
Sync Tilt	< 1%
(standard window signal)	
Power Requirements	6-12 VDC @ 100mA for SM & MM/850nm 6-12 VDC @ 140mA for MM/1300nm
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Tx Module Dimensions	2.73"(69.4mm) x 0.93"(23.5mm) x 1.0"(25.4mm)

*measured with ECT100-R receiver as per RS-250C @ 1km, 62.5µ cable

