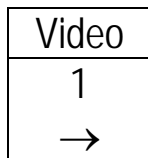


## ECT100MM FM VIDEO MINI TRANSMITTER MODULE



ECT100 FM Video Mini Transmitter provides high performance link for transmitting a unidirectional composite video signal over a fiber optic cable. The transmitter feature CCTV professional video quality and guarantees quality transmission of video signals with maximum bandwidth up to 14MHz. The ECT100 FM Mini Transmitter is fully compatible with any ECT200 or ECT400 type receiving systems allowing for mixed configurations when required. The 100 FM Video Mini Transmitter utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

### ORDERING INFORMATION

100E-VT-MM1Z – 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

- ❑ 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
- ❑ 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.

Video Bandwidth @ 1dB	14MHz
Video Input	75Ω unbalanced
Video Input Level	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
Signal-to-Noise Ratio	72dB*
Differential Gain	< 2 %
Differential Phase	< 2°
Field Tilt	< 1 %
Luminance Non-Linearity	< 2 %
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)
Module Dimensions (without optical connector)	2.73"(69.4mm) x 0.93"(23.5mm) x 1.0"(25.4mm)

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

