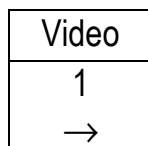


ECT100

ONE CHANNEL VIDEO FM OPTICAL LINK



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

The ECT100 transmitter/receiver units are fully compatible with any ECT100MM and ECT400 type systems allowing for mixed configurations when required.

ORDERING INFORMATION

100EH-VT-M1Z – Video transmitter module

100EH-VR-M1Z – 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

Z = ST, FC for optical connectors

Note: The specifications are subject to change without notice

FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Balanced Video Input
- ❑ Video Bandwidth 18 MHz
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Multimode and Single Mode Versions
- ❑ Power and Signal Status Indicators

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, SC	FC, ST, SC

*with +/- 1 dBm variation.

Video Bandwidth @ 3 dB	10Hz - 18 MHz*
Video Input	75 Ohm balanced or unbalanced
Video Input/Output 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	11 - 14 VDC @ 150mA, 21 - 27 VAC @ 100mA
Receiver	11 - 14 VDC @ 200mA 21 - 27 VAC @ 130mA
Operating Temperature	-20°C to +70°C -4°F to +158°F
Dimensions (w/o connectors):	
Transmitter	3.20" x 3.72" x 1.1" 81mm x 95mm x 28mm
Receiver	4.17" x 3.65" x 1.1" 106mm x 93mm x 28mm

*higher 30 MHz bandwidth available;

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



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