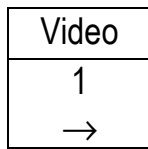


## ECT100

## 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, SC for optical connectors

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

### FEATURES

- ❑ CCTV Professional Video Quality
- ❑ Balanced Video Input
- ❑ Video Bandwidth 18 MHz and 30 MHz, optional
- ❑ Compatible with NTSC, PAL and SECAM Transmission
- ❑ Multimode and Single Mode Versions
- ❑ Power and Signal Status Indicators

Fiber Type	Multimode		Single Mode
Optic. Core Diameter	50µ/62.5µ		8/10µ
Operating Wavelength	850nm	1310nm	1310/1550nm
Optical Power Source	VCSEL	Laser	Laser
Optical Power Output*	-4 dBm	-14 dBm	-4 dBm
Receiver Sensitivity	-31 dBm	-34 dBm	-35 dBm
Optical Connectors	ST, SC	ST, SC	FC, ST, SC

\*with +/- 1 dBm variation.

<b>Video Bandwidth @ 3 dB</b>	10Hz - 18 MHz*
<b>Video Input (TX)</b>	75 Ohm balanced or unbalanced
<b>Video Input/Output Level</b>	NTSC: 1.0 V p-p, PAL: 1.3 V p-p
<b>Signal-to-Noise Ratio</b>	62 dB
<b>Differential Gain (max)</b>	4%
<b>Differential Phase (max)</b>	4°
<b>Field Tilt (max)</b>	2 %
<b>Luminance Non-Linearity (max)</b>	4%
<b>Power Requirements:</b>	
<b>Transmitter</b>	11 - 14 VDC @ 120mA, 21 - 27 VAC @ 90mA
<b>Receiver</b>	11 - 14 VDC @ 150mA 21 - 27 VAC @ 110mA
<b>Operating Temperature</b>	-20°C to +70°C -4°F to +158°F
<b>Dimensions (w/o connectors):</b>	
<b>Transmitter</b>	3.20" x 3.72" x 1.1" 81mm x 95mm x 28mm
<b>Receiver</b>	4.17" x 3.65" x 1.1" 106mm x 93mm x 28mm

\*higher 30 MHz bandwidth available.

