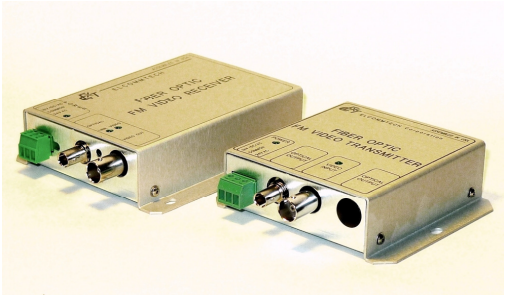
ECT100 SINGLE CHANNEL VIDEO FM OPTICAL LINK



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	1300 nm	1310/1550nm
Optical Core Diameter	50µ/62.5µ		8/10µ
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-7 dBm	-14 dBm	-8 dBm
Receiver Sensitivity	-31 dBm	-33 dBm	-35 dBm
Optical Connectors	ST, SC		FC, ST, SC

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

Video
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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 18 MHz.
The ECT100 transmitters/receivers are fully compatible with any ECT200 or ECT400 type systems allowing for mixed configurations when required.
The ECT100 utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

Video Bandwidth @ 2 dB	10Hz - 18 MHz
Video Input	75 Ohm universal: balanced or unbalanced
Video Input/Output 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	11 - 14 VDC @ 150mA, 21 - 27 VAC @ 100mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions:	
Transmitter**	3.20"(81mm) x 3.72"(95mm) x 1.1"(28mm)
Receiver**	4.17"(106mm) x 3.65"(93mm) x 1.1"(28mm)

**measured as per RS-250C @ 100m for multimode and 1km for single mode optical cable;*
***measured without optical & power connectors.*

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ORDERING INFORMATION

100**E**-VT-M1**Z** – Video transmitter module

100**E**-VR-M1**Z** – Video receiver module

E = **M** for multimode 850 nm
= **M(13)** for multimode 1300 nm
= **S** for single mode receiver and 1310 nm transmitter
= **SP** for single mode high power (=/> 0 dBm) 1310 nm transmitter
= **S(15)** for single mode 1550 nm transmitter
= **S(15)P** for single mode high power (=/> 0 dBm) 1550 nm transmitter

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

Note: The specifications are subject to change without notice.

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