ECT133

ONE CHANNEL VIDEO WITH TWO DUPLEX RS-232 DATA CHANNELS OPTICAL LINK



Video	Data	
1	2	
\rightarrow	\leftrightarrow	

ECT133 system provides high performance link for transmitting unidirectional composite video channel along with two bi-directional RS-232 data channels over one or two fibers. The system features CCTV professional video quality and high speed RS-232 data transfer capability.

ECT133 utilizes linear frequency modulation and very low noise transmission technology to assure high quality and stability.

ORDERING INFORMATION

133E-VT/DX-MYZ – video TX/RS-232 data TRX module 133E-VR/DX-MYZ – video RX/RS-232 data TRX module TX - transmitter, RX – receiver, TRX - transceiver

- **E** = **M** for multimode 850 nm/TX
 - = M(13) for multimode 1300 nm/TX
 - = **S** for single mode 1310 nm/TX
 - = S(15) for single mode 1550 nm/TX
- Y = 1 for single fiber system
 - = 2 for dual fiber system
- Z = ST, FC, SC for optical connectors

Note: The specifications are subject to change without notice.

FEATURES

- CCTV Professional Video Quality
- Balanced Video Input
- ☐ Compatible with NTSC, PAL and SECAM Transmission
- ☐ High Speed Duplex RS-232 Data Ports
- Multimode and Singlemode Versions
- Power and Signal Status Indicators

Operating Wavelength	850 nm	1300 nm	1310/1550 nm
Optical Core Diameter	50μ/62.5μ		8/10μ
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-7 dBm	-14 dBm	-8 dBm
Video & Data Receiver	-31 dBm	-33 dBm	-35 dBm
Sensitivity			
Video & Data Receiver	-30 dBm	-32 dBm	-34 dBm
Sensitivity**			
Optical Connectors	ST, SC		FC, ST, SC

^{*} with variation +/- 2 dBm @ -20 ℃ to +70 ℃ and +/- 3 dBm @ -30 ℃ to +85 ℃; higher power laser sources are available per special request;

^{**} for one-fiber configuration with internal WDM

7 MHz		
75 Ohm balanced		
75 Ohm unbalanced		
NTSC: 1.0 Vp., PAL: 1.3 Vp.(+1/-3 dB)		
Up to 3 Vp.		
62 dB*		
< 4 %		
< 7 %		
< 4 °		
< 7°		
< 2 %		
< 4 %		
< 7 %		
RS-422		
Up to 200 Kb/s		
· 10 ⁻⁹		
11 – 14 VDC @ 300mA		
21 - 27VAC @ 200mA		
-30°C to +85°C (-22°F to +185°F)		
6.7"(170mm) x 4.95"(126mm) x		
1.32"(34mm)		

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

