

ECT1290

FM VIDEO WITH AUDIO AND CONTACT CLOSURE DATA CHANNELS



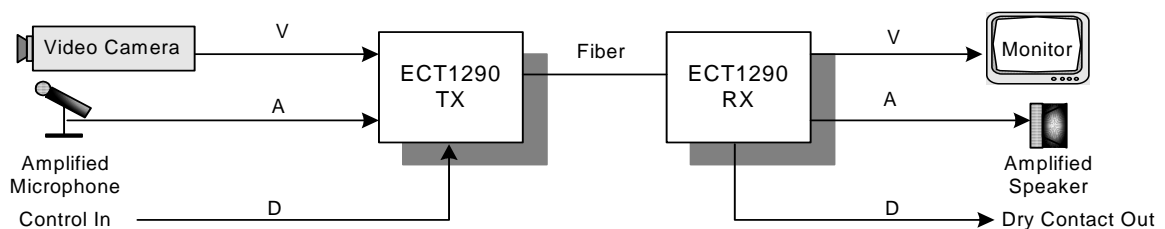
FEATURES

- * Video, Audio and Contact Closure Data via Single Fiber
- * Frequency Modulation (FM) Quality
- * NTSC, PAL, SECAM Compatible
- * Surface Mount Technology
- * Balanced Video Input
- * BNC I/O Video Connector
- * Screw Terminal Block (3 pos. Plug) Audio and Contact Closure Data Connectors
- * ST, FC, SC Optical Connector
- * Up to 4 km/2.5mi on 850nm multimode;
Up to 20 km/12mi on 1300nm multimode;
Up to 50km/35mi on singlemode.
Up to 80km/50mi on singlemode.
- * No User Adjustments
- * Status Monitor LEDs

APPLICATIONS

- * Security and Surveillance
- * Video Teleconferencing
- * Campus Media Retrieval/Distance Learning
- * Telemedicine

LAYOUT DIAGRAM



ECT100 SERIES

SPECIFICATIONS

<p>Video Performance</p> <p>Video In/Output Impedance 75 Ohm (unbalanced) Video In/Output Voltage 1.0V p-p typ, 1.5V max Frequency Response 10Hz to 7.5MHz Differential Gain (10-90% APL) < 2% typ Differential Phase (10-90% APL) < 2° typ Signal to Noise Ratio 67dB (weighted)</p> <p>Audio Performance</p> <p>Audio In/Output Impedance 600 Ohm or 10K bal/unbal, Audio In/Output Level 0dBm or +18dBm Frequency Response 10Hz to 20kHz Signal to Noise Ratio >65dB (weighted)</p> <p>CC Data Performance</p> <p>Dry Contact Output 24 V AC/DC, 1A max</p>	<p>General Parameters</p> <p>Operating Temperature - 30°C to +70°C Storage Temperature - 40°C to +85°C Operating Humidity 0 to 95% non-condensing Weight (module) 400g (14oz) Weight (1 slot card) 370g (13oz) Dimensions (module) 156mm (6.15") L, 84mm (3.3") W, 62mm (2.42") H Power (optional) option 1 6.5 - 7 VDC, 0.25A option 2 10 -15 VDC, 0.18A</p> <p>Mean Time Between Failures (MTBF) >100,000Hrs.</p>
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Optical Performance

Operating Wavelength	850nm		1300nm		1310 or 1550nm
Transmitter Optical Source	Laser		LED		Laser
Fiber Type	50/125μ	62.5/125μ	50/125μ	62.5/125μ	8 – 9/125μ
Transmitter Output Power	-8 dBm		-17 dBm	-14 dBm	-7 dBm
Receiver Sensitivity	-33 dBm		-35 dBm		-36 dBm
Optical Loss Budget	25 dB		18 dB	21 dB	29 dB

ORDERING INFORMATION

1290E-VADU-M(P)YZ – standalone module

1290E-VADU-CYZ – rack card*

- E** = **M** for multimode
- = **M(13)** for multimode 1300nm only
- = **S** for singlemode
- = **S(15)** for singlemode 1550nm only
- U** = **T1, T2** for 1or 2 transmitter, **R1, R2** for 1 or 2 receiver, **X** for transceiver
- P** = **6.5, 12** for power option (for module only)
- Y** = **1, 2** for number of fibers
- Z** = **FC** connector
- = **ST** connector
- = **SC** connector (for module only)

*Compatible with *USR series chassis*



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