ECT1209 FM VIDEO, AUDIO AND CONTACT CLOSURE OPTICAL LINK

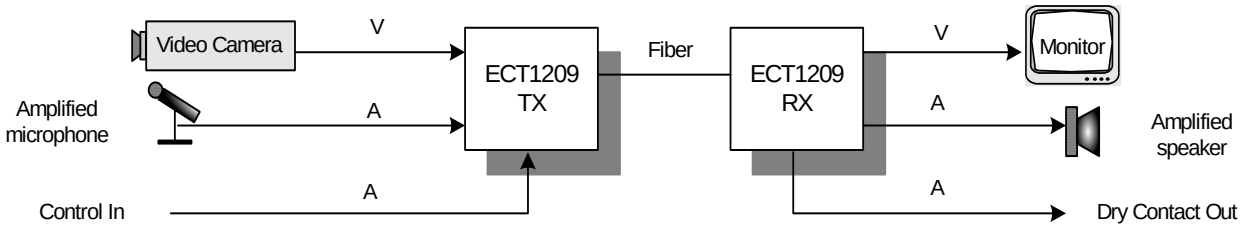
FEATURES

* CCTV Professional Video & Audio Quality
* NTSC, PAL, SECAM Compatible
* Balanced Video Input
* BNC I/O Video Connector
* Screw Terminal Block (3 pos. Plug) Audio & Contact Closure Connectors
* ST, FC, SC Optical Connector
* Video, 1 Channel Audio & 1 Channel Contact Closure
* Up to 5 km/3mi on 850nm multimode;
* Up to 15 km/9mi on 1300nm multimode;
* Up to 45km/28mi on 1310nm single mode;
* Up to 75km/47mi on 1550nm single mode;
* No User Adjustments
* Status Monitor LEDs

APPLICATIONS

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

LAYOUT DIAGRAM



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SPECIFICATIONS

Video Performance

Video In/Output Impedance	75 Ohm, balanced
Video In/Output Voltage	1.0V p-p typ, 1.5V max
Video Bandwidth @ 1dB	1 0Hz to 6.5MHz
Differential Gain (10-90% APL)	< 2% typ
Differential Phase (10-90% APL)	< 2° typ
Signal to Noise Ratio	67dB (weighted)

Audio Performance

Audio Input Impedance	600 Ohm or 10K, balanced
Audio In/Output Level	0dBm @ 600 Ohm or 10K +18dBm @ 10K
Frequency Response @ 3dB	20Hz to 20kHz
Distortions	< 1.5%
Signal to Noise Ratio	> 65dB (weighted)

Contact Closure Performance

Input signal	Dry contact / TTL / CMOS
Output signal	Dry contact @ 30VDC/24VAC,1Amax

General Parameters

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

Mean Time Between Failures (MTBF) >100,000Hrs.

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	-6 dBm		-17 dBm	-14 dBm	-7 dBm
Receiver Sensitivity	-32 dBm		-34 dBm		-34 dBm
Optical Loss Budget	26 dB		17 dB	20 dB	27 dB

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ORDERING INFORMATION

1209**E-**VACT**U-X**(**P**)**YZ** – Video, audio & contact closure transmitter
1209**E-**VACR**U-X**(**P**)**YZ** – Video, audio & contact closure receiver

1209**E-**VT/ACR**-X**(**P**)**YZ** – Video transmitter & audio & contact closure receiver
1209**E-**VR/ACT**-X**(**P**)**YZ** – Video receiver & audio & contact closure transmitter

1209**E-**VACX**-X**(**P**)**YZ** – Video, audio & contact closure transceiver

E = **M** for multimode
= **M(13)** for multimode 1300nm
= **S** for single mode
= **S(15)** for single mode 1550nm
P = **6.5, 12** for power option (for module only)
U = **2** for two channels only
X = **M** for standalone module, **C** for rack card*
Y = **1, 2** for number of fiber
Z = **FC, ST, SC**** for optical connectors

** Compatible with USR Series chassis;*
*** For standalone modules only.*

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