ECT200 SERIES

ECT222   FM VIDEO AND 2 CHANNEL FM AUDIO BI-DIRECTIONAL OPTICAL LINK
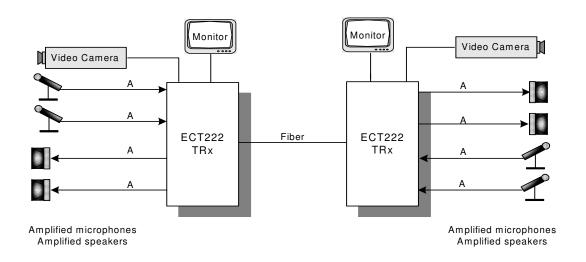

FEATURES

* CCTV Professional Video & Audio Quality
* NTSC, PAL, SECAM Compatible
* Screw Terminal Block (3 pos. Plug) Audio Connectors
* ST, FC or SC Optical Connector
* Balanced Video Input
* No User Adjustments
* Status Monitor LEDs

APPLICATIONS

* Video-conferencing and Media Broadcasting
* Security and Surveillance
* Campus Media Retrieval/Distance Learning
* Studio Applications

LAYOUT DIAGRAM

Amplified microphones
Amplified speakers

Amplified microphones
Amplified speakers

SPECIFICATIONS

Video Performance

Video Input Impedance	75 Ohm, balanced
Video In/Output Voltage	1.0V p-p typ, 1.5V max
Frequency Response @ 1dB	10Hz to 6.5MHz
Differential Gain (10-90% APL)	< 4%
Differential Phase (10-90% APL)	< 4°
Signal to Noise Ratio	62dB (weighted)**

Audio Performance

Audio Input Impedance	600 Ohm or 10K, balanced or unbalanced
Audio Input Level	up to +8 dBm* or up to +18 dBm
Audio Output Level	up to +8 dBm @ 600 Ohm or 10K balanced or unbalanced up to +18dBm @ 10K, balanced
Frequency Response @ 3dB	20Hz to 20kHz
Distortions	< 1.5%
Signal to Noise Ratio	> 62dB (weighted)**

with normal level 0 dBm;
*** measured with1km/8-10μ SM cable and 100m/62.5μ MM cable*

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 - 7 VDC, 0.45A
option 2	10 -15 VDC, 0.38A
Mean Time Between Failures (MTBF)	>100,000Hrs.

Optical Performance

Operating Wavelength	850nm	1300nm		1310 and/or 1550nm
Transmitter Optical Source	Laser	LED		Laser
Fiber Type	50/125μ or 62.5/125μ	50/125μ	62.5/125μ	Singlemode
Transmitter Output Power (with +/- 1dBm variation)	-7 dBm	-17 dBm	-14 dBm	-7 dBm
Receiver Sensitivity (2 fiber)	-29 dBm	-32 dBm		-33 dBm
Optical Loss Budget (2 fiber)	22 dB	15 dB	18 dB	26 dB
Receiver Sensitivity (1 fiber)	-28 dBm @ 850nm			-32 dBm
Optical Loss Budget (1 fiber)	21 dB @ 850nm			25 dB

ORDERING INFORMATION

222**E**-VAX-M(**P**)**YZ** – standalone module
222**E**-VAX-C**YZ** – rack card*

E = **M** for multimode
= **M(13)** for multimode 1300nm only
= **S** for single mode
= **S(15)** for single mode 1550nm only
P = **12** for 10-15VDC power option
Y = **1, 2** for number of fibers
Z = **FC** connector
= **ST** connector
= **SC** connector

***Compatible with USR series chassis*

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