ECT220(4) TWO CHANNEL VIDEO AND FOUR CHANNEL AUDIO FM OPTICAL LINK

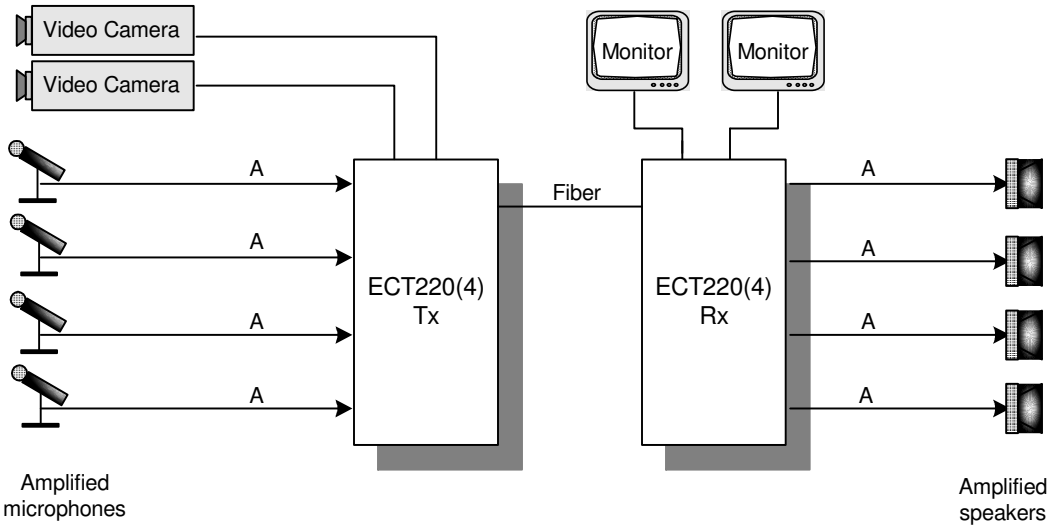
FEATURES

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

APPLICATIONS

* Videoconferencing and Media Broadcasting
* Security and Surveillance
* Campus Media Retrieval/Distance Learning
* Studio Applications

LAYOUT DIAGRAM



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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) max.	4%
Differential Phase (10-90% APL) max.	4°
Signal to Noise Ratio	62dB

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 unbalanced or up to +18dBm @ 10K, balanced
Frequency Response @ 3dB	20Hz to 20kHz
Distortions, max.	1.5%*
Signal to Noise Ratio	62dB (weighted)*

** measured with1km single mode cable and 100 m multimode cable with audio signal level 0 dBm;*

General Parameters

Operating Temperature	- 20°C to +70°C
Storage Temperature	- 40°C to +85°C
Operating Humidity	0 to 95% non-condensing
Weight (module)	400g (14oz)
Dimensions:	
156mm (6.15") L, 84mm (3.3") W, 62mm (2.42") H	
Power (optional)	
option 1	6 - 7 VDC, 0.45A / regulated
option 2	11 -14 VDC, 0.25A

Optical Performance

Operating Wavelength	850 nm	1310 nm and/or 1550 nm
Transmitter Optical Source	VCSEL	Laser
Fiber Type	50/125 or 62.5/125 μ	8 – 10 μ
Transmitter Output Power (with +/- 1dBm variation)	-4 dBm	-4 dBm
Receiver Sensitivity (2 fiber)	-30 dBm	-34 dBm
Optical Loss Budget (2 fiber)	26 dB	30 dB
Receiver Sensitivity (1 fiber)	N/A	-33 dBm
Optical Loss Budget (1 fiber)	N/A	29 dB

ORDERING INFORMATION

220**E**-VA**U**4-M(**P**)**YZ** – standalone module

E = **M** for multimode
= **S** for single mode and 1310 nm transmitter
= **S(15)** for single mode transmitter 1550 nm only
= **S(15)D** for single mode transmitter DFB 1550 nm only
U = **T** for transmitter, **R** for receiver
P = **12** for 10-14 VDC power option
Y = **1** for single fiber, **2** for dual fiber
Z = **FC, SC, ST** optical connector

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