

Specifications

Input Processing:

	Analog input CS5396 ¹	Digital input CS43122 ²	Analog Pass-Through
Frequency response	10hz-20kHz ± 0.25 dB	10hz-20kHz ± 0.035 dB	2Hz-96kHz ± 1.5 dB
Signal-to-noise ratio	120dB	120dB	112dB
Dynamic range	120dB	120dB	114dB
THD+N @ 0dB	< -105dB	< -100dB	< -112dB
Crosstalk	< -98dB	< -104dB	< -108dB
Stop-band attenuation.....	< -117dB	< -102dB	n/a
Pass-band ripple	± 0.005 dB.....	± 0.0008 dB.....	n/a
Phase linearity	$\pm 0.5^\circ$ @20kHz	$\pm 0.3^\circ$ @20kHz.....	n/a
High freq. jitter @ 20kHz	<100 picoseconds rms	<100 picoseconds rms	n/a

Note 1: EIAJ, A-weighted, f_s = 24-bit/96kHz in 128X oversampling mode

Note 2: EIAJ, A-weighted, f_s = 24-bit/96kHz

Preamplifier Section:

Analog input sensitivity / impedance	200mV – 3.0V rms @ 15k ohms
Maximum analog output @0dBFS	3.5 V rms @ 600 ohms
Total harmonic distortion	< 0.03% (20Hz- 20kHz)
Signal-to-noise ratio	95dB CCIR-ARM
Frequency response	20Hz-20kHz ± 0.5 dB
Volume adjustment	1.0dB increments
Maximum overall gain	10dB
Video bandwidth (Component)	250MHz
(Composite & S-Video)	130MHz

Tuner Section:

	FM	AM
Frequency tuning range.....	87.7 – 108.1MHz	520 - 1720kHz
50dB quieting sensitivity	37dB	N/A
Capture ratio	< 1.6dB.....	N/A
AM rejection	60dB	N/A
THD @ 1kHz.....	0.1% (Stereo)	N/A
I.F. rejection.....	90dB	35dB
Image rejection	80dB	45dB
Selectivity.....	58dB	30dB
S/N ratio.....	74dB (Stereo)	45dB
Stereo Separation	45dB @ 1kHz	

Other Relevant Information:

Front Panel Display	VFD (Vacuum Fluorescent Display)
Rack mount size	3 spaces
Power Consumption at idle	24 Watts
AC Power Requirements	100V - 240V / 50Hz or 60Hz
Fuse Replacement - 120V / 230V	1A short fast blow
Shipping Weight	25 lbs / 11 Kgs
Dimensions (W x H x D, inches)	19 x 6.5 x 14