

Spec description

Sampling Frequency	44.1k / 48k / 88.2k / 96k / 176.4k / 192k Hz
Quantization Bit Rate	24-bit
Analog Audio Inputs	
MIC IN (Balanced)	1-2 (when the input switch is set to MIC/LINE), 3 thru 8
Connector	XLR-3-31 equivalent (1: GND, 2: HOT, 3: COLD)
Input Impedance	2.3k Ω
Rated input level	
GAIN: MAX	-58dBu (0.001Vrms)
GAIN: MIN	-6dBu (0.388Vrms)
Maximum Input Level	+10dBu (2.45Vrms)
Gain Range	52dB
INSTRUMENT IN (Unbalanced)	1-2 (when the input switch is set to INST)
Connector	1/4" (6.3mm) TS jack equivalent (Tip: HOT, Sleeve: GND)
Input Impedance	1M Ω or more
Rated input level	
GAIN: MAX	-58dBV (0.0012 Vrms)
GAIN: MIN	-6dBV (0.501Vrms)
Maximum Input Level	+10dBV (3.162Vrms)
Gain Range	52dB
LINE IN (Balanced)	1-2 (when the input switch set to MIC/LINE), 3 thru 8
Connector	1/4" (6.3mm) TRS jack equivalent (Tip: HOT, Ring: COLD, Sleeve: GND)
Input Impedance	10k Ω
Rated input level	
GAIN: MAX	-48dBu (0.003 Vrms)
GAIN: MIN	+4dBu (1.228Vrms)
Maximum Input Level	+24dBu (12.282Vrms)
Gain Range	52dB
Analog Outputs	
ANALOG OUT (Balanced)	

Connector	D-Sub 25pin, inch-screw No.4-40 UNC
Output Impedance	200Ω or less
Nominal Output Level	+4dBu (1.228Vrms)
Maximum Output Level	+20dBu (7.75Vrms)
Load Impedance	2kΩ or more
LINE OUT (Balanced)	LINE OUT 1 thru 8
Connector	1/4" (6.3mm) TRS jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Output Impedance	200Ω or less
Nominal Output Level	+4dBu (1.228Vrms)
Maximum Output Level	+20dBu (7.75Vrms)
Digital Audio Outputs	
OPTICAL OUT (S/MUX)	
Connector	OPTICAL (JEITA RC-5720C)
Signal Format	Multi-channel Optical Format (Supports S/MUX2: 88.2k/96k Hz, S/MUX4: 176.4k/192k Hz)
Control Input/Output	
WORD IN	
Connector	BNC
Input Voltage	2.0Vpp to 5.0Vpp
Input Impedance	75Ω +/-10% with Terminal ON/OFF Switch
Frequency Deviation	+/-100ppm
WORD OUT	
Connector	BNC
Output Voltage	2.0Vpp (into 75Ω)
Output Impedance	75Ω +/-10% with OUT/THRU switch
Sampling Frequency	44.1k / 48k / 88.2k / 96k / 176.4k /192k Hz
Power	DC 12V (dedicated AC adapter PS-P1230)
Power Consumption	16 W
Dimensions	482(W) × 44.8(H) × 228.8(D) mm
Weight	2.6kg / 5.7lb
Operating Temperature Range	0 to 40° C
Accessories	User's manual(with warranty), AC adapter (PS-P1230)

Audio Performance

Mic amp EIN (equivalent input noise)	−127dBu or lower
Frequency Response	* JEITA
MIC/LINE to LINE OUT	20Hz to 40kHz, +/−0.5dB 40kHz to 80kHz, +/−5dB
MIC/LINE (analog) to digital output (S/MUX)	
Fs 44.1k/48kHz	20Hz to 20kHz, +/−0.5dB
Fs 88.2k/96kHz	20Hz to 40kHz, +/−0.5dB
Fs 176.4k/192kHz	20Hz to 80kHz, +/−5dB
S/N ratio	* GAIN knob at minimum, JEITA
MIC/LINE/INST to LINE OUT	116dB
MIC/LINE/INST (analog) to digital output (S/MUX)	
Fs 44.1kHz	113dB
Fs 48kHz	113dB
Fs 96kHz	111dB
THD	* 1kHz sine wave, maximum input level, GAIN knob at minimum
MIC / LINE to LINE OUT	0.0007%
INST to LINE OUT	0.0009%
MIC/LINE/INST to digital output (S/MUX)	0.001%
Crosstalk	* 1kHz sine wave, GAIN knob at minimum
MIC to LINE OUT	119 dB
MIC to digital output (S/MUX)	114 dB