

Spec description

Sampling Frequency	44.1k / 48k / 88.2k / 96k / 176.4k / 192k Hz
Quantization Bit Rate	16 / 24-bit
Analog Audio Inputs	
MIC IN (Balanced)	1-4 (when the input switch is set to MIC/LINE)
Connector	XLR-3-31 equivalent (1: GND, 2: HOT, 3: COLD)
Input Impedance	1.5k Ω
Nominal Input Level	
GAIN: MAX	-64dBu (0.0005Vrms)
GAIN: MIN	-6dBu (0.388Vrms)
Maximum Input Level	+10dBu (2.45Vrms)
Gain Range	58dB
INSTRUMENT IN (Unbalanced)	1-4 (when the input switch is set to INST)
Connector	1/4" (6.3mm) TS jack (Tip: HOT, Sleeve: GND)
Input Impedance	1M Ω or more
Nominal Input Level	
GAIN: MAX	-64dBV (0.0006Vrms)
GAIN: MIN	-6dBV (0.501Vrms)
Maximum Input Level	+10dBV (3.162Vrms)
Gain Range	58dB
LINE IN (Balanced)	1-4 (when the input switch is set to MIC/LINE)
Connector	1/4" (6.3mm) TRS jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Input Impedance	10k Ω
Nominal Input Level	
GAIN: MAX	-54dBu (0.0015Vrms)
GAIN: MIN	+4dBu (1.228Vrms)
Maximum Input Level	+24dBu (12.282Vrms)
Gain Range	58dB
Digital Audio Inputs	
OPTICAL IN (S/MUX)	

Connector	OPTICAL (JEITA RC-5720C)
Signal Format	Multi-channel Optical Format (Supports S/MUX at 88.2k/96k/176.4k/192kHz)
Analog Audio Outputs	
MONITOR OUT (Balanced)	LINE OUT 1-2
Connector	1/4" (6.3mm) TRS jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Output Impedance	230 Ω
Nominal Output Level	+4dBu (1.228Vrms)
Maximum Output Level	+20dBu (7.75Vrms)
LINE OUT (Balanced)	LINE OUT 3-8
Connector	1/4" (6.3mm) TRS jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Output Impedance	230 Ω
Nominal Output Level	+4dBu (1.228Vrms)
Maximum Output Level	+20dBu (7.75Vrms)
HEADPHONE OUT	PHONES 1-2
Connector	1/4" (6.3mm) Stereo jack
Maximum Output Power	45mW + 45mW (THD+N 0.1% or less, into 32 Ω load)
Control Input/Output	
USB	
Connector	4-pin, USB B type
Format	USB2.0 HIGH SPEED (480Mbps)
MIDI IN	
Connector	5-pin, DIN
Format	Standard MIDI
MIDI OUT	
Connector	5-pin, DIN
Format	Standard MIDI
WORD IN	
Connector	BNC
Input Voltage	2.0Vpp to 5.0Vpp
Input Impedance	75 Ω $\pm$ 10%
Frequency Deviation	$\pm$ 100ppm

Terminal ON/OFF Switch	Equipped
WORD OUT	
Connector	BNC
Output Voltage	2.0Vpp (into 75Ω)
Output Impedance	75Ω ±10%
Sampling Frequency	44.1k / 48k / 88.2k / 96k / 176.4k /192k Hz
Power	DC 12V (AC Adapter PS-P1220E included)
Power Consumption	14 W
Dimensions (W×H×D)	11.65″ × 2.56″ × 6.30″ / 296 × 65 × 160 mm
Weight	3.53 lbs. / 1.6 kg
Operating Temperature Range	41 to 95° F / 5 to 35° C

Audio Performance

Mic Amp EIN	−129dBu or lower
Frequency Response	
Fs 44.1k/48kHz	20Hz to 20kHz, +0/−0.4dB (JEITA)
Fs 88.2k/96kHz	20Hz to 40kHz, +0/−0.8dB (JEITA)
Total Harmonic Distortion	
MIC IN	0.0016% (1kHz sine wave, GAIN knob at minimum, 20k SPCL LPF)
LINE IN	0.0023% (1kHz sine wave, GAIN knob at minimum, 20k SPCL LPF)
Signal-to-Noise Ratio	
MIC/LINE IN	109dB (GAIN knob at minimum, 20k SPCL LPF+A-Weight)
Crosstalk	100dB or higher (MIC/LINE IN thru LINE OUT, 1kHz sine wave, Gain knob at minimum)

Computer System Requirements

Windows

Compatible Computers	Windows computer with a USB2.0 or USB3.0

CPU	Dual core (x86), 2GHz or faster
Memory	2GB or more
Driver	USB Audio Class2.0, ASIO2.2  , WDM (MME), MIDI

Macintosh

Compatible Computers	Macintosh computer with a USB2.0 or USB3.0
CPU	Dual core, 2GHz or faster
Memory	2GB or more
Driver	Core Audio, Core MIDI

iOS

Driver	Core Audio for iPhone
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