

Physical

Unit Weight	21 lbs [9.53 kg]
Unit Dimensions	14" x 17" x 4" [36cm x 43cm x 10cm]
Shipping Weight	30 lbs [13.6 kg]
Shipping Dimensions	20.5"x 24" x 10" [52cm x 61cm x 25cm]

Power requirements

Input Power	Model specific 100VAC, 120VAC, or 230VAC 50 or 60Hz
Power Consumption	25W

Digital audio inputs

I2S (2), Coax, XLR Balanced (2), Optical, USB
Optical (TOSLink): PCM 16 and 24 bits at 44.1kHz, 48kHz, 88.2kHz and 96kHz

S/PDIF and AES3: PCM 16 and 24 bits at 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz and 192kHz; DoP64

Sample Rates

Dual AES3: PCM 16 and 24 bits at 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz and 352.8kHz; DoP64 and DoP128

I2S: PCM 16 and 24 bits at 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz, 352.8kHz, and 705.6; DoP64, DoP128, DoP256, DSD64, DSD128, and DSD256

USB: PCM 16 and 24 bits at 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz, 352.8kHz, and 705.6; DoP64, DoP128, DoP256, DSD64, DSD128, and DSD256

Analog Audio Output

Connector	RCA single ended or balanced, XLR balanced
Output level high, maximum	4 VRMS Balanced 2 VRMS Single Ended
Output Impedance	<100Ω/<200Ω
Frequency Response	20-20KHz +/- 0.25dB
THD+N @ 1KHz (full scale)	<0.1%
Output Stage	Passive audio transformer, fed by high current, high speed analog amps producing double rate DSD

Data Handling

Format	PCM or DSD
Sample rate (PCM)	44.1kHz, 48.0kHz, 88.2kHz, 96.0kHz, 176.4kHz, 192kHz, 352.8kHz; 705.6kHz
Word length (PCM)	16b, 18b, 20b, 24b
Data rate (DSD)	Standard (2.8MHz) or Double (5.6MHz) DoP as well as raw DSD on I2S and USB inputs
Input jitter reduction	effectively 100%, residual immeasurable. No input PLLs, FLLs.

Input Processing	225.792MHz
Signal Processing	56.448MHz
Synchronous Upsampling, all inputs	56.448MHz for 48k, 96k or 192k; 11.2896MHz for all others
Digital Processing S/N ratio	Upsampling > 210dB, volume control and Sigma Delta Modulator: > 330dB
Digital Volume Control	Zero loss of precision
Analog Conversion method	low pass filter DSD256 (quad rate DSD: single bit DSD at 11.2896MHz)
I2S Digital Input	
Connector	HDMI
Format	PCM or DSD. DoP on all inputs as well as raw DSD on I2S inputs
USB Digital Input	
Connector	USB “B” Type
Format	PCM, DoP v1.1 (DSD over PCM), or Native DSD
Transfer mode	Asynchronous