

Spec description

DAC section

DAC TEAC Δ Discrete DAC \times 2
Upconvert 2xFs / 4xFs / 8xFs (maximum 384kHz)

Analog audio inputs

Balanced

Connectors XLR \times 1 pair
Input impedance 50k Ω
Maximum input level 5Vrms

Unbalanced

Connectors RCA Pin (gold-plated) \times 1 pair
Input impedance 25k Ω
Maximum input level 2.5Vrms

Digital audio inputs

USB

Connectors USB B-type \times 1, (USB2.0 compliant)

Supported formats

PCM 16 / 24 / 32bit
44.1k / 48k / 88.2k / 96k / 176.4k / 192k / 352.8k / 384kHz
DSD 2.8M / 5.6M / 11.2M / 22.5MHz

Coaxial

Connectors RCA Pin (gold-plated) \times 2 pairs
Input level 0.5Vp-p
Input impedance 75 Ω

Supported formats

PCM 16 / 24bit
32k / 44.1k / 48k / 88.2k / 96k / 176.4k / 192kHz
DSD 2.8MHz (176.4kHz/24bit DoP format)

Optical

Connectors Rectangular (TOS) \times 2 pairs
Input level -24.0 to -14.5dBm peak

Supported formats

PCM 16 / 24bit
32k / 44.1k / 48k / 88.2k / 96k / 176.4k / 192kHz
DSD 2.8MHz (176.4kHz/24bit DoP format)

ETHERNET

Connector RJ-45 \times 1 (1000Base-T)

Supported formats

PCM 16 / 24 / 32bit
32k / 44.1k / 48k / 88.2k / 96k / 176.4k / 192kHz / 352.8k / 384kHz
(Stereo)
DSD 2.8M / 5.6M / 11.2M / 22.5MHz (Stereo)

Supported formats

PCM lossless FLAC, Apple Lossless (ALAC), WAV, AIFF, MQA

DSD lossless DSF, DSDIFF (DFF), DoP

Compressed audio MP3, AAC (m4a container)

USB flash drive

Connectors USB A-type \times 2 (Front \times 1, Rear \times 1, USB2.0 compliant)

Supported file system FAT32, exFAT and NTFS single partition

Supported file format

PCM	16 / 24 / 32bit 32k / 44.1k / 48k / 88.2k / 96k / 176.4k / 192kHz / 352.8k / 384kHz (Stereo)
DSD	2.8M / 5.6M / 11.2M / 22.5MHz (Stereo)
Supported file formats	
PCM lossless	FLAC, Apple Lossless (ALAC), WAV, AIFF, MQA
DSD lossless	DSF, DSDIFF (DFF), DoP
Compressed audio	MP3, AAC (m4a container)
Bluetooth®	
Bluetooth® version	4.2
Output class	Class2 (rrange: 10m)
Supported profile	A2DP, AVRCP
Supported A2DP codec	LDAC, LHDC, AAC, SBC, Qualcomm®aptX™ audio/HD audio
A2DP content protection	SCMS-T
Number of saved pairings	Maximum 8
Analog audio outputs	
Balanced	
Connectors	XLR (gold-plated pins) × 1 pair
Output impedance	220Ω
Output level settings	Selectable from Fixed (0dB), Fixed (+6dB), Variable, or Off
Maximum output level	2.0Vrms (1kHz, Full-scale, 10kΩ loaded, Fixed at 0dB) 4.0Vrms (1kHz, Full-scale, 10kΩ loaded, Fixed at +6dB) 12Vrms (1kHz, Full-scale, 10kΩ loaded, Variable)
Unbalanced	
Connectors	RCA Pin (gold-plated) × 1 pair
Output impedance	180Ω
Output level settings	Selectable from Fixed (0dB), Fixed (+6dB), Variable, or Off
Maximum output level	2.0Vrms (1kHz, Full-scale, 10kΩ loaded, Fixed at 0dB) 4.0Vrms (1kHz, Full-scale, 10kΩ laoded, Fixed at +6dB) 6.0Vrms (1kHz, Full-scale, 10kΩ loaded, Variable)
Headphone outputs	
Balanced	
Connector	4-pin XLR × 1
Pin asign	Pin1: L+, Pin2: L-, Pin3: R+, Pin4: R-
Unbalanced	
Connector	6.3mm Stereo jack (gold-plate) × 1
Maximum output power	
Balanced	700mW + 700mW (32Ω loaded)
Unbalanced	500mW + 500mW (32Ω × 1 loaded)
Supported impedance	16 to 600Ω
Clock sync input	
Connector	BNC (gold-plated) × 1
Input frequency	10MHz
Input impedance	50Ω
Input level	
Rectangle wave	Equivalent to TTL
Sine wave	0.5 to 1.0Vrms
External control	
Trigger Input (12V TRIGGER IN)	
Connector	3.5mm Mono mini jack × 1
Input level	12V, 1mA

Trigger output (12V TRIGGER THRU)

Connector 3.5mm Mono mini jack × 1

Output level 12V

Maximum current supply 100mA

Audio performance

*Measurement conditions: Input signal: 192kHz/24-bit PCM, Measurement output: RCA, DAC low-pass filter: On

Frequency response 5Hz to 80,000Hz (+1dB/-5dB)

Total harmonic distortion 0.002%

S/N ratio 108dB (A-Weight, 1kHz)

Power

AC120V, 60Hz

AC220 - 240V, 50/60Hz

Power consumption 40W

Standby power 0.4W

Overall dimensions 444 (W) × 111 (H) × 334 (D) mm (including protrusions)

Weight 11.8kg

Operating Temperature +5°C to +35°C

Operating Humidity Range 5% to 85% (no condensation)

Storage Temperature -20°C to +55°C

Range

Included accessory Power cord, Remote control (RC-1330), AAA batteries × 2, Owner's manual, Foot pad x 3