

# Cayin iHA-8 Specification

iHA-8 Product Information			
Circuit Design	4Ch Discrete MOSFET Pure Class A	Volume Control	MUSES72320 stereo e-volume x2, ALPS potentiometer (control knob)
Special	Hyper Mode	Power Supply	75W toroidal transformer
Amplifier Modes	Line level input (STD); Pre-Amp input (Pure Power Amplifier mode)	Power Management	50,000uF Nichicon capacitors with ultra-fast recovery rectifier
Phone Outputs	Single-ended: 6.35mm x1 Balanced: 4pin XLR x1, 4.4mm x1	Gain Control	Low Gain High Gain +12dB
Analog Inputs	Balanced: XLR x2 Single-ended: RCA x2	Physical Control	Power On/Off, Source, Hyper, Gain, Line/Pre, Volume Knob
Weight	~5kg	Dimension	270x215x70 (mm) (L×W×H)

iHA-8 Headphone Outputs (Balanced)						
Power Rating <sup>#</sup>		16Ω	32Ω	64Ω	128Ω	300Ω
	STD	7000mW	5400mW	3600mW	2100mW	1000mW
	Hyper	9500mW	7700mW	5000mW	3000mW	1400mW
Frequency Response		10Hz-80kHz ±0.5dB				
THD+N*	STD	0.0018% (High Gain, 1kHz, 530mW, A-weighted)				
	Hyper	0.0020% (High Gain, 1kHz, 750mW, A-weighted)				
SNR*	STD	127dB (Low Gain, 32Ω, A-weighted)				
	Hyper	130dB (Low Gain, 32Ω, A-weighted)				
Dynamic range*	STD	128dB (Low Gain, 1kHz, 32Ω, A-weighted)				
	Hyper	130dB (Low Gain, 1kHz, 32Ω, A-weighted)				
Channel separation		103dB (A-weighted, 1kHz, 32Ω)				
Output impedance		0.4Ω				

# Power rated is measured in milliwatts (mW) per channel.

\* THD+N, SNR, DNR measured with XLR inputs

iHA-8 Headphone Outputs (Single-ended)						
Power Rating <sup>#</sup>		16Ω	32Ω	64Ω	128Ω	300Ω
	STD	2600mW	1800mW	1000mW	560mW	250mW
	Hyper	3600mW	2500mW	1460mW	800mW	360mW
Frequency Response		10Hz-80kHz ±0.5dB				
THD+N*	STD	0.0038% (High Gain, 1kHz, 175mW, A-weighted)				
	Hyper	0.0040% (High Gain, 1kHz, 250mW, A-weighted)				
SNR*	STD	124dB (Low Gain, 32Ω, A-weighted)				
	Hyper	127dB (Low Gain, 32Ω, A-weighted)				
Dynamic range*	STD	125dB (Low Gain, 1kHz, 32Ω, A-weighted)				
	Hyper	127dB (Low Gain, 1kHz, 32Ω, A-weighted)				
Channel separation		68dB (A-weighted, 1kHz, 32Ω)				
Output impedance		0.2Ω				

# Power rated is measured in milliwatts (mW) per channel.

\* THD+N, SNR, DNR measured with XLR inputs