

# CETACEAN RESEARCH TECHNOLOGY

4728 12<sup>TH</sup> AVENUE NE SEATTLE, WASHINGTON 98105-4402 (206) 297-1310  
WWW.CETACEANRESEARCH.COM



## MicroTrack II Technical Specifications

(48 kHz sampling rate unless otherwise stated)

### 1/8" Mic Input (A/D)

Input Impedance	2.2K Ohms
Maximum Input Level at minimum gain	-3.6 dBV
Channel-to-Channel Crosstalk	<-95 dB
SNR	-101 dB, A-weighted
Dynamic Range	101 dB, A-weighted
THD+N	0.003% (-90 dB)
Frequency Response	20 Hz to 20 kHz, +/- 0.5 dB
Pre-amp Gain	>52 dB
stereo electret condenser power	electret condenser power enabled

### 1/4" Mic/Line Inputs (A/D)

Input Impedance	>5.3K Ohms
Maximum Input Level at minimum gain	+4.3 dBu, balanced/unbalanced
Channel-to-Channel Crosstalk	<-95 dB
SNR	-101 dB, A-weighted
Dynamic Range	101 dB, A-weighted
THD+N	0.0027% (-91 dB)
Frequency Response	20 Hz to 20 kHz, +/- 0.3 dB @ 48 kHz sample rate 20 Hz to 40 kHz, +/- 0.5 dB @ 96 kHz sample rate
Pre-amp Gain	>52 dB
Phantom Power	phantom power enabled (switchable on/off)

### Line Outputs (D/A)

Output Impedance	465 Ohms
Maximum Output Level	+6 dBV, unbalanced
Channel-to-Channel Crosstalk	< -105 dB
SNR	-99 dB, A-weighted
Dynamic Range	99 dB, A-weighted
THD+N	0.0044 % (-87 dB) @ -1 dBFS, 1 kHz
Frequency Response	20 Hz to 20 kHz, +/- 0.3 dB @ 48 kHz sample rate 20 Hz to 40 kHz, +/- 0.5 dB @ 96 kHz sample rate

### Headphone Output (D/A)

Maximum Output	0 dBV at THD < 0.075% into 32-ohms
Working Range	16 ohms to 600 ohms