

PORPOISE

Single channel underwater acoustic monitoring



The *Porpoise* underwater noise recording and signal processing system has taken all the processing power and real-time data streaming capabilities of the multichannel *Orca* acoustic recorder and compressed that into a compact and streamlined single-channel package.

With highly configurable sampling rates, gain control, hydrophone settings, intelligent on/off scheduling and real-time data processing, *Porpoise* is truly the smartest single-channel PAM system available.

KEY FEATURES

- + Up to 8TB Internal SD recording
- + Real Time Data Streaming
- + Low Power
- + Internal & External Battery Options



TRAC SOFTWARE

TRAC is *Porpoise's* proprietary configuration, analysis and display software. TRAC presents digital multichannel acoustic data including real-time spectrograms, third octave plots with percentiles, and live real-time audio.

TECHNICAL SPECIFICATIONS

*Specifications subject to change without notice

POWER

External Power: 6.5 V – 26 V

Internal Power: 12 x AAA cells (User Replaceable)

ACOUSTIC

Analogue Bandwidth: 160 kHz

ADC: 24 Bits Sigma Delta

Dynamic Range: 110 dB (full bandwidth)

Configurable Gain: 0 dB – 45 dB

Sampling Rates Supported: 2 kHz to 384 kHz

Selectable High Pass Filter

MEMORY

Up to 8 TB Internal Removable SD Card Storage

Configurable Recording, Schedule and Duty Cycling

DIMENSIONS

7 cm Diameter x 23.2 cm Length, 1.34 kg

COMMUNICATIONS

Real Time Control & Configuration via Ethernet

Real Time Streaming of Acoustic Data

ENVIRONMENTAL

Depth Rating: 500 m Standard, 2000 m Available

Operating Temperature: -10 c to +50 c

EXTERNAL

GPS Input for PPS Time Synchronisation

INTEGRATIONS

Long Range Real Time Streaming over Wi-Fi Via Surface Float