

PAM System

The Passive Acoustic Monitoring system consists of an icListen Kayak hydrophone and a recorder. The icListen Smart Hydrophones are the industry's most sensitive broadband digital hydrophone. This compact, all-in one instrument processes data while streaming HD acoustic data in real time, while the recorder allows for acoustic data to be stored in a long deployment.

FEATURES

- Frequency range: 10 Hz – 200 kHz
- Sampling rate: 1 - 480 kS/sec
- Resolution: 24 bits
- sensitivity: -186 dBV re μ Pa
- Dynamic Range: 124dB
- Data storage: 4TB
- Power draw: 1.5W
- Input Voltage range: 10 - 30V
- Communication Interface: USB and Serial
- Maximum cable length: 70m
- Depth Rating: 900m

Teledyne Reson Element: TC4059

- Omnidirectional in the full frequency range
- Extreme Wide frequency range
- Durable construction combined with long term stability - a sensor you can rely on for long term deployment
- Individually calibrated - reducing measurement uncertainty



Real-time MSFD Compliant Noise Monitoring

The system has a built-in algorithm to convert the acoustic stream into Sound Pressure Level (SPL), compliant with MSFD requirements and transmit the report in real-time.

**For long-term remote
deployments, contact us for
battery pack options**