

icListen AF

1 Hz to 12 kHz

Accurate. Simple. Reliable.

The icListen Smart Digital Hydrophones are the industry's standard in digital marine acoustics. This compact, all-in-one instrument can process, stream, and record acoustic data, all in real-time. The icListen is fully calibrated, with rechargeable batteries, large memory, and internal processing of spectrum data and a built-in event detector.

Use the icListen as a digital hydrophone, acoustic recorder, or both simultaneously. Collect ocean sound data accurately, simply and reliably. Improve decision making and project success by choosing the icListen as part of your next deployment.



Compact and fast. Record, listen and analyze ocean data anywhere.



Process data at the source with edge processing



Detect events and make decisions in real-time using Epoch Mode



Operate and adjust the settings on your icListen through a web browser



Stream and record real-time, spectral or WAV data directly to your laptop, tablet or smartphone



Synchronize multiple hydrophones for simplified, high-quality multi-channel array



Maximize sensitivity with our ultra low self noise and wide dynamic range

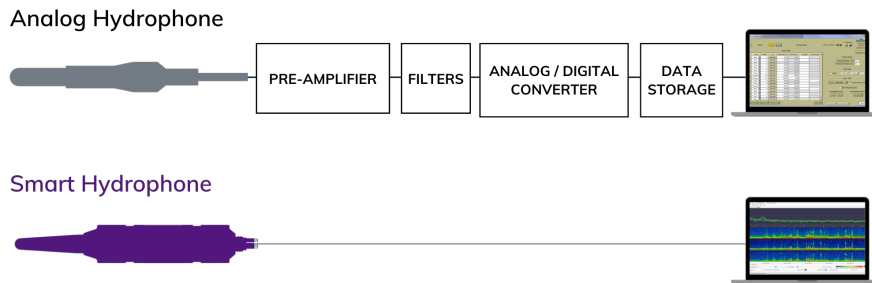
Lucy II Software

Lucy II software allows you to view, record, and analyze multiple hydrophone data right to your laptop or phone.



What makes the icListen different?

The icListen eliminates the need for pre-amp, filters, converters, and data-link with a self-contained, compact unit that streams or records HD acoustic data in real-time.



Hydrophone Sensing Element:

Ultra low noise and wide dynamic range for high quality data and long term stability.



Teledyne Reson Sensor:
Industry standard high performance sensor

Applications

Environmental Monitoring

Seismic Monitoring

Subsea Vulcanology

Deepwater Low Frequency Soundscapes

Frequency:
1 Hz to 12 kHz

Sensitivity:
-159 dB re V/ μ Pa

Peak SPL:
165 dB re μ Pa

Sample Rate:
1 - 32 kS/sec

Depth Rating:
900 m, 3500 m

Autonomous Battery Life:
8 Hr

Resolution:
24 bits

Dynamic Range:
148 dB

Communication Interface:
Ethernet

Acquire Modes:
Record: Waveform/FFT/
Event Capture

Maximum Internal Data Storage:
0.5 TB

Software:
Lucy II

Overall Length:
252 mm