

icListen

The standard in broadband digital marine acoustics.

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.

Use icListen as a digital hydrophone, acoustic recorder or both simultaneously. Collect ocean sound data accurately, easily and with confidence. Improve decision making and project success with real-time data.

Listen Now. The Ocean Sonics Way.



Detect real-time events using Epoch Mode

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

Stream real-time, spectral or WAV data directly to your laptop, tablet or smart phone

Synchronize multiple hydrophones for simplified, high-quality multi-channel array and avoid the issue of cross-talk

Record or stream HD acoustic data

Simplify your deployment, icListen is compact, self-contained and small enough to carry in one hand

Applications	HF	HF-X2	AF	AF(L)
Marine Mammal Monitoring	-		-	
Earthquakes and Tsunamis				-
Pile Driving and Marine Construction		-		
Ocean Observation	-		-	-
Pipeline Leak Detection	-			
Offshore Energy	-			
Vessel Noise	-		-	

Introducing Launch Box:

Provide two days of additional power to your hydrophone, send data via wifi directly to your personal computer, tablet or smart phone.

Ensure accuracy with built in GPS time sync. Simplify your data collection with this water-resistant, buoyant deck box.



What Makes icListen Different?

Simplicity, Accuracy, and Reliability.

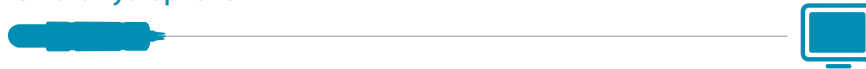


The icListen replaces pre-amp, filters, converters and data-link with a self-contained, compact unit that streams or records HD acoustic data in real units. Free yourself from the pain of gain settings.

Analog Hydrophone



Smart Hydrophone



Hydrophone Sensing Element:

Ultra low noise and wide dynamic range for high quality data and long term stability. Choose the element that's right for your deployment:



Ocean Sonics

high sensitivity, low self noise



Teledyne Reson

low drift, flat sensitivity

Bandwidth (+/- 6dB)
 HF: 10 Hz to 200kHz
 AF: 10Hz to 12 kHz
 AF(L): 1Hz to 12kHz

Sample rate (Max kS/sec.)
 HF
 1 to 512

AF & AF(L)
 1 to 32

Power
 24 VDC input- UPS mode
 -12 VDC input- Lower power
 2W with Ethernet link

Synchronization
 Accuracy 0.25 usec
 Lock Range 1.0Hz +/- 8ppm
 GPS PPS
 External IEEE 1588 module optional

Acquire Modes
 Record: Waveform/FFT/Epoch

Maximum Internal Data Storage
 256 GB

Dynamic Range
 HF & AF: 118 dB

Sensitivity
 HF & AF: -170 dBV re μ Pa
 HF-X2: -210 dBV re μ Pa

Case Material & Depth
 Engineered Plastic: 200m, 900m
 Titanium: 4000m, 6000m, 7000m

Lucy Software

Use Lucy to view data, set up events, measure SEL and manage multiple hydrophones simultaneously.

