



### Product Line Description:

The AcSense-Mini product line provides low-cost, compact, integrated sensing systems for one, two or four hydrophones with micro-SD card logging or ethernet streaming. These systems include synchronous analog to digital data acquisition up to 100 kHz per channel at 12 bits integrated with a time source (GPS or RTC), external pressure/temperature sensor, and internal IMU; additional commonly requested sensors include cameras, 3-axis geophones, magnetometers, CTD, and/or dissolved oxygen.

### Standard Configurations:

Property	AcSense-Mini standard configuration				
System	Soundscape	Ethernet	Cam	48HR	GEO-244
ADC	12 bit/100 kHz per channel max				
Data	Logging	Streaming	Logging		
Timing	Always on			Configurable power switching	
Housing Dim.	2" D, 4.9" L		2" D, 5.9" L	2" D, 11.9" L	4" D, 11.9" L
Depth Rating	225 m		130 m	100 m	50 m
Power	9V battery		2x 9V Battery	Lithium Rechargeable	Lithium Rechargeable
Battery Life	Lithium Primary 6-8 hours; Alkaline 3-5 hours			48 hour	10 days
P/T	Blue Robotics Bar30			Blue Robotics Bar100	
Hydrophone	HTI-96-MIN w preamp, -167 dB/uPa nominal				
Geophones	None				50 m rated, 3-axis, 4.5 Hz
GPS/RTC	GPS Breakout - XA1110				RTC
IMU/MAG	3-axis accelerometer, 3-axis gyro; BNO086 can be added				
Data Export	GUI for converting logged binary files to .csv formats with dashboard plotter.				
Camera	None	None	Arducam	None	None

(Housing, power, sensor, telemetry, and software customization available.)