



Product Description: The AcSense-8Channel is an underwater acoustic data recording or streaming system that includes an AcSense-ADM system for up to 8 channels of 16 bit acoustic data recording at 52 kHz, along with a number of optional sensor add-ons in a 950 m rated housing.

Standard Configuration: Standard features include 8 channel ADC for use with voltage or current mode hydrophone arrays, internal IMU and vacuum sensor, internal RTC or GPS/RTC, and a 10050 mAh battery for 24 hours of continuous recording in a 3" diameter, 6" long housing rated to 950 m.

Customization: Custom arrays and connector configurations available on request. Additional sensor options include internal magnetometer, single-beam echosounder, Pressure/Temperature sensor, GPS, 3-axis underwater geophone, 1 Hz capture rate camera in dome, and CTD.

AcSense-8CH Standard Configuration and Options		
Property	Standard Configuration	Options
Hydrophone array connector	MCLPBH9F connector for 8x current mode analog hydrophones	Other connectors, voltage mode, etc.
Housing	950 m, 3" diameter, 6" long	2" diameter housing, 4" diameter housing, custom housings
Power	10 Ah Lithium-Polymer battery (12-24 hour battery life)	Larger batteries, external power connectors, battery merge options (runtime TBD)
Shore cable	MCIL-8-M pigtail for serial + charging	Connector customization
On/Off	BlueRobotics switch	Reed switch, no external switch
On/Off indicator	Blue LED in pressure relief valve	Acrylic housing (200 m rated)
Dry sensors	RTC, IMU, Gyro, Vacuum, Temperature	Magnetometer, GPS, camera,
Wet sensors	BlueRobotics BAR30 or BAR100 pressure/temperature sensors	Underwater geophone, echosounder, hydrophone array, CTD, environmental sensors (DO, PAR, etc.)