

PAM Smart Buoy

A Passive Acoustic Monitoring (PAM) Buoy offers real-time acoustic monitoring with a smart hydrophone, environmental data buoy and global system of mobile (GSM) communications bridge. When deployed in the ocean, a PAM Smart Buoy captures sound from the surrounding environment and facilitates real-time acoustic data transmission.

Ocean Sonics' icListen Kayak new architecture is compact, energy efficient, and scalable. This smart hydrophone has a dynamic range for high quality data & long term stability. This all-in-one instrument processes data while streaming HD acoustic data in real time.

Cyprus Subsea has integrated the icListen Kayak with a GSM Bridge to provide users with real time connection to a hydrophone integrated on a buoy.



Key Features of PAM Smart Buoy

- ✓ Self-powered buoy with smart hydrophone
- ✓ Extra low power broadband hydrophone (0.2W)
- ✓ Very high sensitivity & ultra low noise sensing element
- ✓ Bandwidth 10 Hz to 200 kHz with 24-bit resolution
- ✓ Long range communication over 10 km
- ✓ Configurable digital hydrophone

Ocean Sonics
icListen Kayak



Ocean Acoustic Data Flow

