



Marlin extends traditional Passive Acoustic Monitoring by delivering full access to raw broadband data and intelligent detection results in near real time - enabling faster, more informed decisions in complex marine environments.

Key Capabilities

- Real-time acoustic processing and live broadband data streaming
- Real-time Machine Learning analysis, alerts, and data delivery to end users
- Modular, scalable architecture supporting fixed and mobile deployments
- Compatible with NATO systems STANAG protocol

Communications

- Integrated 4G communications as standard
- Plug and play advanced communications options available: 5G, Point-to-Point (P2P) Radio, Iridium satellite communications

System Features

- Dedicated desktop application for live data visualisation
- GPS time synchronisation for precise recording time stamps
- Multi-channel recorder support
- Cloud storage integration and data API availability
- 1TB onboard storage with fault-tolerant data transmission
- Power operation: average 2.5 W

Use Cases

- Security-critical and defence maritime applications
- Real-time marine environmental monitoring
- Rapid detection of anomalous and high-priority acoustic events
- Remote asset and infrastructure surveillance
- Marine conservation and protected area management
- Research and long-term ecological monitoring