



## ORCA: Sub Surface Advanced Submerged Object Detection

Introducing **ORCA**, a groundbreaking solution for detecting submerged objects (Submarines) tested below 200 ft. from single high-resolution satellite image the ocean surface. Satellite Resolutions from were from .3 to 3.0 meters resolution are used. ORCA Powered by advanced proprietary AI pattern-matching algorithms, ORCA delivers unparalleled accuracy and reliability, even in challenging conditions with waves up to 6 feet high. Verified by the U.S. Navy and Air Force, ORCA represents a leap forward in maritime surveillance technology, offering critical capabilities for both military and law enforcement applications.



ORCA's primary application lies in military naval warfare, where it provides a strategic advantage by identifying submerged submarines and mines with exceptional precision. Its ability to detect objects in near real-time from satellite imagery enables rapid response and enhanced situational awareness, ensuring naval forces maintain dominance in contested waters. ORCA's robust performance under adverse sea conditions makes it an indispensable tool for modern naval operations.

Beyond military use, ORCA is a game-changer in the fight against drug trafficking. Cartels increasingly rely on "**narco-subs**" smuggle drugs across international waters, evading traditional detection methods. ORCA's AI-driven technology penetrates the ocean's surface to expose these covert vessels, empowering law enforcement agencies to intercept illegal shipments and disrupt drug trafficking networks. Its versatility across mission types underscores its value as a multi-purpose maritime security asset.



ORCA can also provide critical assistance in search-and-rescue operations, such as downed airplanes and other vessels.

ORCA's advanced algorithms adapt to varying environmental conditions, ensuring consistent performance in turbulent seas, minimizing false positives and providing quick and actionable intelligence to decision-makers.

ORCA is the future of maritime surveillance, offering a proven, AI-powered solution for detecting submerged threats. Whether safeguarding national security or combating illicit trafficking, ORCA delivers results where traditional methods fall short. Contact us today to learn how ORCA can enhance your operational capabilities and provide a decisive edge in maritime security.

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