

BLACKWING™

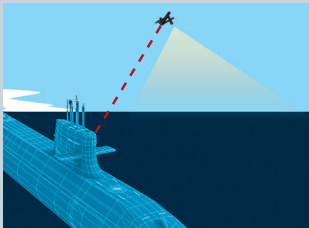
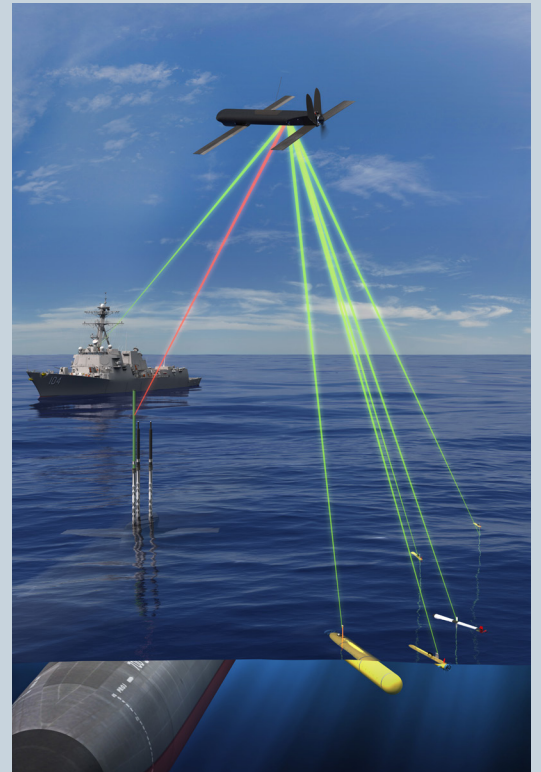


Delivering Rapid-Response ISR and Cross-Domain Connectivity

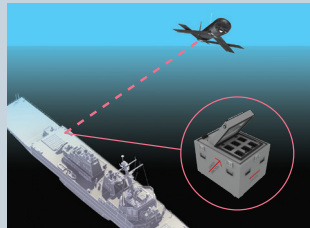
AeroVironment's innovative Blackwing is a small, Unmanned Aircraft System (UAS) that delivers rapid-response Intelligence, Surveillance and Reconnaissance (ISR). The system can be deployed from an underwater submarine using an underwater-to-air delivery canister or ship surface/mobile ground vehicle via tube or Multipack Launcher (MPL).

Blackwing incorporates an advanced, miniature Electro-Optical and Infrared (EO/IR) sensor and provides operators with real-time video for information gathering and feature/object recognition. Its built-in secure Digital Data Link (DDL™) delivers cross-domain Command and Control (C2) relay operations between undersea and surface vessels, and Unmanned Underwater Vehicles (UUVs).

Blackwing is designed to be interoperable with AeroVironment's Family of UAS, including Puma™ AE, Raven™, and Wasp™ AE, and RF communications systems, including the Long-Range Tracking Antenna (LRTA) and 360 Multi-Sector Antenna (MSA). The system's small size and quiet motor make it difficult to detect, recognize, or track, even at close ranges. Blackwing has a modular payload bay to enable specific mission capabilities.



Submarine Launch



Shipboard Launch via MPL

KEY FEATURES

- *Rapid Launch – Rapid-Response ISR*
- *Weight: 4 lbs*
- *Launch method: Underwater-to-Air delivery canister, tube, MPL*
- *Tactical Data Relay – UAS to UUV*
- *Able to assess Below Line of Sight targets*
- *Modular Payload*
- *Integrated EO/IR Sensor Suite: Front and side look day/night cameras*
- *Observables: Very low visual, thermal, and acoustic signatures*
- *Comms: DDL-Joint, Interoperable, Encrypted, Wideband*

