



Raven

Overview

The Raven B is a lightweight, Unmanned Aircraft System (UAS), designed for rapid deployment and high mobility for both military and commercial applications requiring low-altitude reconnaissance, surveillance, and target acquisition. Raven can be operated manually or programmed for autonomous operation, utilizing the system's advanced avionics and precise GPS navigation.

Raven B is the standard small UAS for the US Army, USSOCOM, and now the US Marines. Raven full-rate production is scheduled for the next 5 years, with formal block upgrades providing continuous system improvements over the life of the program. Over 11,000 Raven airframes have already been delivered to customers worldwide.

With a wingspan of 4.5 feet and a weight of 4.2 pounds, the hand-launched Raven provides aerial observation, day or night, at line-of-sight ranges of 10 kilometers or more. The Raven delivers real-time color or infrared imagery to ground control and remote viewing stations, as well as IR laser illumination of ground targets.

Features

- No Runways Required
- Lightweight
- Small Size
- Hand-Launched
- Autonomous Navigation
- Rugged for Extended, Reliable Use in Harsh Environments
- Autoland
- Interoperable System Interface
- Delivers real time situational awareness
- Increases Combat Effectiveness and Force Protection

Specifications

Standard Payloads	Dual Forward and Side-Look EO Camera Nose, Electronic Pan-tilt-zoom with Stabilization, Forward and Side-Look IR Camera Nose (6.5 oz payloads).
Range	10 km
Endurance	60–90 minutes (Rechargeable Battery), 80–110 Minutes (Single Use Battery)
Speed	32-81 km/h, 17-44 knots
Operating Altitude (Typ.)	100-500 ft (30-152 m) AGL, 14,000 ft MSL max launch altitude
Wing Span	4.5 ft (1.4 m)
Length	3.0 ft (0.9 m)
Weight	4.2 lbs (1.9 kg)
GCS	Lightweight, Modular Components, Waterproof Softcase, Optional FalconView Moving Map and Mission Planning Laptop Interface, Digital Video Recorder and Frame Capture.
Launch & Recovery Method	Hand-Launched, Deep Stall Landing
Product Status	Full-rate production with continuous system improvement planned over the life of the product. 5th generation system with over 6 years of combat experience

