



Raven

Overview

The Raven® B system, is a lightweight Unmanned Aircraft System (UAS) designed for rapid deployment and high mobility for both military and commercial applications, requiring low-altitude surveillance and reconnaissance intelligence.

The most advanced small UAS deployed with the U.S. Armed Forces, the Raven can be operated manually or programmed for autonomous operation, utilizing the system's advanced avionics and precise GPS navigation.

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 up to 10 kilometers. The Raven delivers real-time color or infrared imagery to the ground control and remote viewing stations.

Features

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

DDL Features

- More Capacity/Frequency Deconfliction
- Enhanced Data and Video Security
- Ethernet Bridge
- UAV/UGV/UGS relay

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

