



Raven

Overview

Raven® RQ-11B is a lightweight Unmanned Aircraft System (UAS) designed for rapid deployment and high mobility for both military and commercial applications, requiring low-altitude intelligence, surveillance, and reconnaissance (ISR).

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



Optional Stabilized Gimbaled Payload

- EO and IR cameras with IR Illuminator
- Continuous pan with +10 to -90 degrees tilt

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)

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

