



RAVEN RQ-11B

The Raven B system, an enhanced version of the battle proven Raven A system, is a lightweight solution designed for rapid deployment and high mobility for both military and commercial applications, requiring low-altitude surveillance and reconnaissance intelligence.

The most advanced small Unmanned Aircraft System (SUAS) 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.

Mission Descriptions	Remote Reconnaissance and Surveillance, Target Acquisition, Force Protection and Convoy Security, Battle Damage Assessment, for Light Infantry, Dismounted Warfighter and Military Operations in Urban Terrain (MOUT).
Features	Simple Operation, Lightweight, Small Size, Hand-Launched, Autonomous Navigation, Autoland, Interoperable System Interface.
GCS	Lightweight, Modular Components, Waterproof Softcase, Many Advanced Features Without Laptop, Optional FalconView Moving Map and Mission Planning Laptop Interface, Digital Video Recorder and Frame Capture.
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	20 - 57 km/h, 17-50 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 lb (1.9 kg)
Launch Method	Hand-Launched
Recovery Method	Deep-Stall Vertical Landing