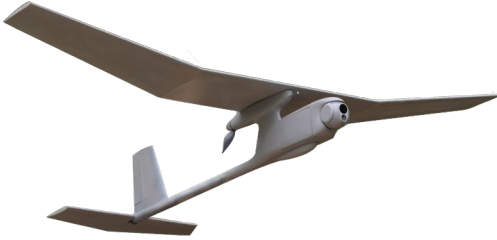


Vigilant Eagle



KEY CAPABILITIES

- **Best in Class Range, Endurance and Ease of Use**
- **Autopiloted Soft Landing**
- **One Person Operation / Manpack Capable**
- **High Resolution Imaging**
- **100% Commercial Platform**
- **Durable Kevlar® Airframe Construction**

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	VIGILANT EAGLE
Payloads	<ul style="list-style-type: none"> • Fixed - HD EO • Gimbal - HD EO With Pan/Tilt/Zoom (PTZ) • Gimbal - HD EO/IR With PTZ • Long Range Gimbal - HD EO/IR PTZ
Range	30km+ RF LOS ¹
Endurance	200+ minutes (3 1/2+ hours) ²
Speed	9-45kts (17-83 km/h)
Operating Altitude	750 – 3000ft AGL
Max Altitude	Up to 15,000ft MSL ³
Wingspan	5.5ft (1.67m)
Length	3.4ft (1.0m)
Weight	4.0lbs (1.8kg)
GCS / Controller	Laptop + Hand Controlle ⁴ Optional – NanoGCS ⁶
Launch Method	Hand-Launched/Autonomous Takeoff with Single Person Operation ⁵
Recovery Method	Fully Autonomous Soft Recovery
Payload Capacity	Up to 12oz

1) 30km+ range achieved with high-power RF unit and tracking antenna. Aircraft can be handed off between GCS units indefinitely.

2) Flight time range expected for normal operation in calm winds, on an aviation 'standard day' with gimbal - EO HD payload. Flight time is dependent upon flight profile, weather conditions, pilot, operational altitude, and payload. Variation in altitude during the flight and changing weather conditions will reduce flight time.

3) Aircraft can be flown up to 15,000ft MSL. Flight time will be reduced when climbing past 850ft AGL, when multiple climbs are performed, or when altitude is varied throughout the flight.

4) GCS allows full functionality of the autopilot, payload, and systems. It is fully capable of handoff operations.

5) With a single button push, the vehicle will autonomously fly from a hand launch to a loiter point above the operator and await instruction.

6) NanoGCS is a ruggedized handheld video terminal with integrated vehicle & payload controller. It allows the operator highly simplified but full control over the vehicle and payload in a smaller form factor. It requires no external devices or connections and is capable of handoffs.

Capabilities (cont.)

- Navigation Lights and IR Beacon for Night Operations
- Reinforced Landing Skid For Enhanced Landing Durability
- Virtual Classroom Training
- Gimbaled EO/IR Payload with HD EO Camera and Advanced IR Camera.
- Auxiliary Power System Capable of Utilizing Aircraft Batteries for Ground System Power Requirements.



Datalink Antenna Assembly



Smart Charging Station



NanoGCS

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