



THE BENCHMARK IN VTOL sUAS FLIGHT PERFORMANCE, RELIABILITY AND EASE-OF-USE

Field-tested and battle-proven, Aeryon small UAS set the standard for immediate aerial intelligence gathering by **ANYONE, ANYWHERE, at ANYTIME:**

- + Intuitive touchscreen interface and advanced features, minimal user training
- + Single operator transport and deployment, no launch or recovery equipment
- + Reliable flight performance even in the most demanding weather conditions, when other systems cannot fly

The **Aeryon SkyRanger™** introduces a new airframe and integrated system design to the Aeryon sUAS platform, based on thousands of hours of flight time and successful customer exercises and missions around the world. Designed to military and government specifications, **SkyRanger™** extends industry-leading performance and system capabilities.



Intuitive interface and autonomous capabilities – no joysticks required

- + Point-and-click touchscreen navigation and camera control
- + Dynamic flight plans including Follow-Me™ protection and AutoGrid™ mapping modes



Advanced optics and networking – smart imagery and seamless integration

- + Stabilized, simultaneously-streaming dual EO/IR high resolution cameras
 - EO: 1080p30 HD H.264 video, 15MP still images
 - IR: 640x480 H.264 video and still images, white-hot and black-hot modes
- + Low-latency all-digital network – 256bit AES encrypted streaming video to multiple devices, embedded geotags and metadata
- + Beyond line-of-sight range – 1.9 mi (3 km) integrated capability, extensible beyond 3.1 mi (5 km)



Rugged, reliable and capable – dependable in extreme environments

- + Up to 50-minute endurance with payload, continuous operation model
- + High wind tolerance – 40 mph (65 kph) sustained, 55 mph (90 kph) gusts
- + Ruggedized and weather-sealed
- + Environmental temperature range - -22 to 122°F (-30 to 50°C)

Pre-assembled backpack deployment – airborne in seconds

- + Folding design protects payload & includes battery for powered standby
- + Payload, battery, arms, and legs are easily replaced in the field without tools



MILITARY & GOVERNMENT APPLICATIONS



The Aeryon sUAS platform brings secure, real-time and simultaneous tactical situational awareness to ground forces and remote command. Advanced autonomous capabilities and simple touchscreen controls require minimal training for soldier, squad, or platoon-level deployment.

Unlike fixed-wing systems, the **Aeryon SkyRanger™** is a Vertical Take-Off and Landing (VTOL) sUAS – ideal for providing continuous eyes-on-target for situational awareness, operations in confined environments, and low-risk launch and retrieval without peripheral equipment. **SkyRanger™** is ideally suited for both land and maritime military use including covert ISR, convoy and compound security, and ship boarding operations.

Immediate deployment, small size, quiet operation and specialized imaging payloads make **SkyRanger™** the ideal platform for a wide range of missions in any conditions, including:

- + Tactical situational awareness & targeting
- + Perimeter & convoy security
- + Covert Intelligence, Surveillance and Reconnaissance (ISR)
- + Anti-piracy, tactical ship boarding
- + De-mining
- + Emergency & disaster response
- + HAZMAT/CBRNE management



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TECHNICAL SPECIFICATIONS:

ENDURANCE:

Up to 50-minute flight time (with payload)

WIND TOLERANCE:

- + 40 mph (65 kph) sustained
- + 55 mph (90 kph) gusts

ENVIRONMENTAL TEMPERATURE RANGE:

-22 –122°F (-30 – 50°C)

BEYOND LINE-OF-SIGHT RANGE:

- + 1.9 mi (3 km) integrated capability
- + Extensible beyond 3.1 mi (5 km)

ALTITUDE:

1500 ft. (450 m) AGL, 15000 ft. (4500 m) MSL

LAUNCH & RECOVERY METHOD:

Vertical Take-Off and Landing (VTOL)

DIMENSIONS:

- + **Deployed:** 40 in. (102 cm) diameter, 9.3 in. (24 cm) height
- + **Folded:** 20 in. (50 cm) length, 10 in. (25 cm) width

WEIGHT (WITHOUT PAYLOAD):

5.3 lbs (2.4 kg)

ADDITIONAL PAYLOADS:

- + 3-axis stabilized high resolution EO camera
- + Custom payload development

NAVIGATION LEDS:

Red/Green and Red/NIR

RADIO FREQUENCIES:

900 mhz, 2.4 GHz, custom

CONTROL AND DATA LINK:

Low-latency all-digital network

SECURITY:

Secure network pairing, AES 256 bit encryption

Aeryon
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