



**Aeryon**   
**SkyRanger™**

# PUBLIC SAFETY & COMMERCIAL APPLICATIONS

The **Aeryon SkyRanger™** brings military-grade technology to **public safety** and **commercial** professionals. With unmatched flight performance, reliability and ease-of-use, Aeryon small UAS enable any user to collect high quality aerial imagery and data - accurately and repeatedly.

Ideal for a wide range of applications, the **Aeryon sUAS** platform provides:

- + Intuitive touchscreen interface and advanced features, minimal user training
- + Single operator transport and deployment, no launch or recovery equipment
- + Reliable flight performance in demanding environments and high winds
- + Integrated payloads and software solutions

**Aeryon sUAS** can be deployed in minutes and operate safely in confined environments that are inaccessible to manned aircraft and fixed-wing UAS. Public safety and commercial users around the world rely on Aeryon systems for proven results.



## Intuitive interface and autonomous capabilities – no joysticks required

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



## Pre-assembled 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



## Advanced optics and networking – smart imagery and seamless integration

- + Stabilized, simultaneously-streaming dual EO/IR high resolution cameras
  - EO: 1080p30 HD H.264 video recording, 15MP still images
  - IR: 640x480 H.264 video recording and still images, white-hot and black-hot modes
- + Low-latency all-digital network – secure streaming video to multiple devices, embedded geotags and metadata
- + Line-of-sight range – 0.62 mi (1 km)

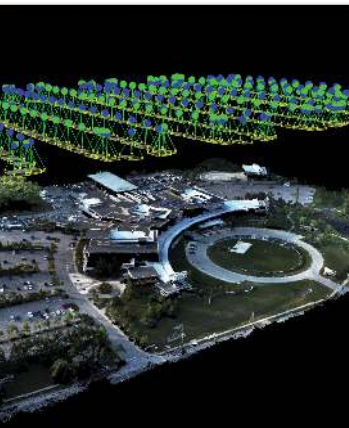


## Rugged, reliable and capable – dependable in extreme environments

- + Up to 30 minute endurance with payload, continuous operation model
- + High wind tolerance – 30 mph (50 kph) sustained 50 mph (80 kph) gusts
- + Ruggedized and weather-sealed
- + Environmental temperature range -22 to 122°F (-30 to 50°C)



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## PUBLIC SAFETY

Any first responder can have the **Aeryon SkyRanger™** airborne in seconds - no waiting for aircraft support or trained remote-control specialists. Automated features and fly-safe controls also reduce reliance on operator skill and minimize risk. This VTOL sUAS can hover covertly at extended range while providing up-close video with sufficient detail for threat assessment or visual identification.

### Applications include:

- + Accident reconstruction
- + Tactical/SWAT operations
- + Intelligence & evidence gathering
- + Traffic & crowd control
- + Search & Rescue (SAR)
- + Fire control & damage assessment
- + HAZMAT/CBRNE management
- + Emergency & disaster response
- + Event & VIP security

## COMMERCIAL & INDUSTRIAL

For commercial and industrial users, including GIS specialists, the **Aeryon SkyRanger™** is faster, cheaper, safer and more accurate for collecting aerial imagery and data than conventional methods including satellites, planes or helicopters. The **Aeryon SkyRanger™** is used in a wide range of industries, and can be used by multiple departments within a single organization.

### Applications include:

- + Infrastructure inspection
- + 3D models & volumetric analysis
- + Precision agriculture
- + Gas leak detection
- + Orthorectified maps & image mosaics
- + Environmental & wildlife monitoring
- + Site and infrastructure security
- + Forestry management
- + Construction site planning & monitoring

info@aeryon.com  
+1-519-489-6726  
www.aeryon.com  
@aeryonlabs  
www.facebook.com/aeryonlabs

## TECHNICAL SPECIFICATIONS:

### ENDURANCE:

Up to 30 minute flight time (with payload)

### WIND TOLERANCE:

+30 mph (50 kph) sustained  
+50 mph (80 kph) gusts

### ENVIRONMENTAL TEMPERATURE RANGE:

-22 -122°F (-30 - 50°C)

### LINE-OF-SIGHT RANGE:

0.62 mi (1 km)

### 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)

### 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

Specifications are subject to change without notice.

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