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)
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

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.