



SkyRanger R60

RUGGED. RELIABLE. BATTLE-TESTED.



With over 100,000 operational hours, the SkyRanger R60 sets the standard for real-time, secure, aerial intelligence in a man-packable VTOL UAS.

MISSIONS

- Tactical ISR
- Mapping
- SAR
- Aerial Security
- Disaster Response
- Overwatch

CAPABILITIES

- All-Weather Operations
- Tablet-Based Controls
- Deployable in Minutes
- Live Video Streaming
- Vector Target Tracking
- Military-Grade Encryption

PAYLOADS

- HDZoom 30 - Long-Range Zoom
- EO/IR Mk-II - High-Fidelity Infrared

PERFORMANCE SPECIFICATIONS

Size	60 cm wide (23.6 in) 32 cm high (12.75 in)
Endurance	30-50 Minutes* <small>*Actual flight time varies based on environmental conditions</small>
Range	3 km (1.86 miles) with standard base station 10 km (6.21 miles) with directional antenna
Payload Capacity	0.7 kg (1.5lbs)
Max Ceiling	15,000' MSL
Wind Tolerance	65 kph sustained, 90 kph gusting (40 mph, 55 mph)
Operating Temperatures	-30°C to 50°C (-22°F to 122°F)
Frequency and Waveform	High-Power WiFi: 345 Mhz, 900Mhz, 1.28Ghz, 1.38Ghz, 2.4Ghz Wave Relay: 2.3Ghz - 2.5Ghz
Ground Control Station	Aeryon Mission Control Station (MCS) Software Running on Panasonic FZG-1 Toughpad
Video Metadata	Embedded STANAG 4609 KLV Metadata
Encryption	Secure Network Pairing: AES256 Bit Encryption with Physical Key Exchange
Environmental Tolerances	Weather-rated operations, with some components tested to IP-53
Weight	Aircraft 2.4 kg (5.3 lbs) - Airframe, arms, legs, battery, no payload Standard Pack 5.0 kg (11 lbs) Aircraft, base station, HDZoom 30, tablet
Flight Training	3-Day Course + Aeryon eLearning academics Mission-specific training and train-the-trainer programs are also available

ABOUT AERYON

Aeryon delivers purpose-built small Unmanned Aircraft Systems (UAS) and software that help ensure mission success for customers in over 30 countries.

- End-to-End UAS solutions
- 10+ Years of VTOL UAS Experience
- Hands-on Flight Training
- Dedicated Customer Support
- SkyRangers are designed and built in North America

For information about Aeryon UAS solutions, contact an Aeryon Account Manager today:

Call +1.519.489.6726 ext: 320 or email sales@aeryon.com
// www.aeryon.com // [@aeryonlabs](https://twitter.com/aeryonlabs)