

YOUR MISSION IS OUR MISSION

The Albatross is a long-range fixed-wing drone designed to be the most efficient, affordable and versatile of its kind. It travels further, flies longer, does more and costs less than it's rival crafts.

LONG RANGE

The Albatross is entirely electric, has a flight time of up to 4 hours and cruises at 68 km/hr. This gives it max range of over 250 km.

FLEXIBILITY

We know that no two customers are the same. This is why we work directly with you to understand your application and develop a an autonomous system that best meets your goals. The Albatross uses open source software and is compatible with a variety of commercial off the shelf payloads including thermal, hyper spectral, RGB and EO/IR.

LOW COST

We offer a buffet style ordering system geared at giving customers everything they need and nothing they do, housed in a composite frame that prioritizes function over form.



PRODUCT FEATURES

- Over 4.4 KG payload capacity.
- Fiberglass and carbon fiber airframe.
- Available as an airframe, DIY Kit and fully autonomous ready to fly.
- Free PX4 autopilot configuration files.
- Remote training and dedicated support available upon request..

www.appliedaeronautics.com

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Tailored to Your Needs



- Hot swappable payloads from FLIR, Micasense, Next Vision and Sony
- Modular and redundant communications
- Optional encrypted long-range live video up to 30 km
- 256 bit AES encrypted data-link
- Discreet and silent above 200 ft
- Autonomous take-off and landing
- Optional target painting with MGRS target location
- Designed and manufactured in the USA
- NDAA compliant upon request



4 HOUR FLIGHT TIME



> 200 KM RANGE



\$7,500 BASE PRICE



68 KM/HR CRUISE SPEED



10 KG MTOW



50 KM COMMUNICATION RANGE



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Specifications

Maximum Takeoff Weight (MTOW)	10 KG
Bare Weight (all avionics, no batteries)	4.4 kg
Wing span	3000 mm
Fuselage Dimensions	Length: 740mm Width: 200mm Height: 150mm
Max Flight Time	4 Hours (variable and measured at sea level)
Frequencies	Telemetry: 900MHz RC Communications: 433 MHz (or 915Mhz upon request) Video: 1.3 GHz (Alternate available upon request)
Encryption	256 Bit AES
Landing Gear System	Solid carbon fiber with mounted aluminum mounting plates
Payloads	Hot swappable
Communication Range	Standard Range: 1 Mile Long Range: Up to 30 Miles (at sea level)
Ground Control Software	Compatible with PX4 (QGround Control)

Wheel Size	Front: 3 in Back: 3.5 in (variable to 6 in)
Construction Materials	Airframe: Honeycomb composite, carbon fiber & fiberglass reinforced Interior Shelving: Carbon fiber Wing Spars: Carbon fiber
Max Speed	80MPH
Cruise Speed	38-45MPH
Stall Speed	36MPH
Glide Ratio	28:1 – 30:1
Center of Gravity	85mm – 95mm from the root leading edge
Takeoff and Landing	40ft – 100ft (runway, unpaved road, catapult)