



# The Albatross UAV

## Albatross UAV Overview



The Albatross is a cutting edge UAV designed to be the most efficient, affordable and versatile of its kind. It travels further, flies longer, does more and costs less than any of its rival crafts. It's modular design, large payload capacity and > 4 HR flight time make it ideal for use in most applications, including:

- Aerial Mapping and Surveying**
- Surveillance and Reconnaissance**
- Precision Agriculture**
- Emergency Management**
- Education and Research**
- Humanitarian Aid**
- Asset Management**

### Key Features

- Available as an airframe, DIY Kit or Ready to Fly system.
- 4+ hour endurance
- Fully electric system
- Nearly silent above 60 M.
- Composite frame
- Up to 4.4 KG payload capacity
- Free PX4 autopilot configuration files
- Catapult or runway takeoff
- Modular payload bay
- Compatible with most commercially available cameras and sensors
- Extensive documentation
- Short lead time for standard configurations
- Available from \$1750

### Specifications:

Parameter	Value
MTOW	10 KG
Dry Weight	4.4 KG
Wing Span	3 M
Fuselage Dimensions	Length: 740 mm Width: 200 mm Height: 150 mm
Landing Gear System	Solid carbon fiber and aluminum mounting plate
Power System	Electric
Max Payload	4.4 KG
Takeoff Method	Catapult, Runway
Construction	Honeycomb composite, carbon fiber.
Materials	

### Performance:

Parameter	Value
Endurance	> 4 HRS
Cruise Speed	60 – 72 KM/HR
Stall Speed	57 KM/HR
Max Speed	129 KM/HR
Takeoff/Landing Distance	Solid carbon fiber and aluminum mounting plate
Propulsion	Electric
Glide Ratio	30:1
Telemetry Range	2KM – 40KM (*upgraded)
Payloads	Modular and compatible with most cameras and sensors ie. NDVI, RGB, Thermal.