RESOLUTION UAS

The small, flexible, and affordable unmanned aircraft system for your next data acquisition and remote sensing mission

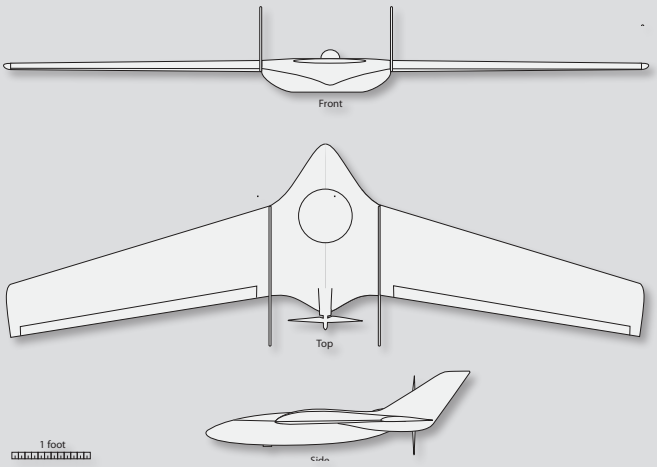
ATI's Resolution™ unmanned aircraft system (UAS) provides cost-effective real-time imaging and data acquisition for research and surveillance applications. Designed with shipboard missions in mind, Resolution has been field-tested at sea on vessels ranging from 30 feet to 240 feet. It has been launched and recovered in the open ocean in winds exceeding 25 knots. Resolution is fully marinized, rugged and compact — its foam-core carbon fiber and kevlar airframe easily disassembles into three pieces for storage or shipment in sturdy airline-approved cases. Equally effective for land-based operations, the Resolution system can be transported in a small SUV and is capable of operating from a wide variety of launch and landing sites.

Resolution's IMU-based autopilot is state-of-the-art. The base station provides an interactive moving map (with optional aerial image overlays), a real-time glass cockpit display, 3D synthetic view of the flight, extensive data logging, and robust two-way communication with the UAS. Data is transmitted to the base station and displayed for real-time analysis and monitoring UAS status.

Resolution UAS is currently being evaluated for at-sea marine debris survey and marine mammal survey missions.

www.atiak.com

RESOLUTION UAS SPECIFICATIONS



Gross Weight : 10 lbs
Useful Load: 4-5 lbs
Wingspan: 7 ½ ft (2.3m)
Rate of Climb: 500 fpm
Cruise Speed: 25-75 kts
Survey Altitude: 500-1500 ft

RESOLUTION UAS

- Simple user interface and operation
- Flight following software with operator-capable input
- Launched by hand, bungee system, or ATI catapult system
- Marinized for saltwater operations
- Sensor/Payload flexibility
- Modular design
- Composite/foam core construction
- Quiet, eco-friendly electric motor