



RESOLUTION™ UAS

The small, flexible and affordable unmanned aerial solution for your next data acquisition and remote sensing mission




ATI's Resolution™ unmanned aerial system (UAS) can provide cost-effective real-time video and data acquisition for research and surveillance applications. It is designed with shipboard missions in mind and is fully maritized, rugged and compact — the foam-core carbon fiber and kevlar airframe easily breaks down into five pieces for storage in a sturdy airline-approved case.

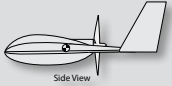
After a hand- or catapult launch, Resolution's clean blended wing design allows running the system at efficient power settings, providing more than 1.25 hours of endurance per mission. When the flight is complete the UAS intercepts its base vessel, deploys a parachute and is recovered by small boat. Turn-around for the next mission can be just minutes.

Resolution's base station utilizes a spread spectrum 900 MHz system with a 20-mile range, bidirectional telemetry and the flexibility to modify preprogrammed waypoints "on the fly." Data is transmitted to the base station and displayed for real-time analysis and monitoring UAS status.

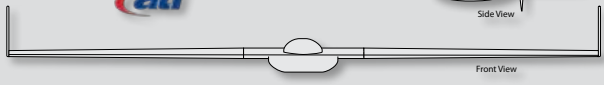
Resolution is currently being evaluated for at-sea marine debris survey and endangered species survey missions.

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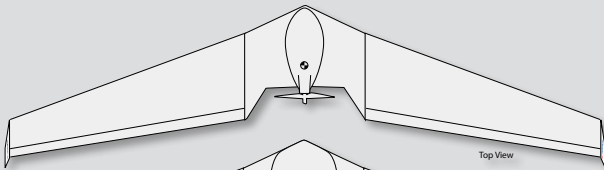




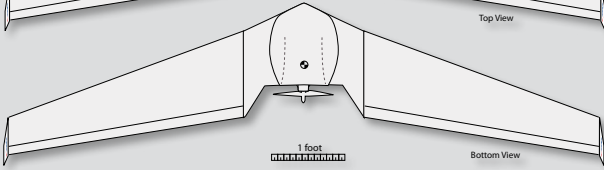
Side View



Front View




Top View




Bottom View

1 foot



RESOLUTION UAS SPECIFICATIONS

<p>Gross Weight : 10 lbs Useful Load: 4-5 lbs Wingspan: 7 1/2 ft (2.3m) Climb Rate: 1500 fpm Turn Rate: 10 degrees/sec Cruise Speed: 20-70 kts Survey Altitude: 500-1500 ft</p>	<ul style="list-style-type: none"> • Simple user interface and operation • Flight following software with operator capable input • Hand launched from ship, parachute recovery in water • Fail-safe systems • Sensor/Payload flexibility • 5-piece modular construction • Composite with foam core • Electric Motor • Packs into rugged airline case
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