

<https://www.unmannedsystemstechnology.com/2013/10/ara-nighthawk-iv-micro-uas-recieves-faa-certification/>

ARA has upgraded the Nighthawk design, avionics and replaceable payloads to provide improved in-flight stability, greater range, duration and improved EO/IR payload options while maintaining a cost effective system for one or two person dismounted operations. The Nighthawk IV goes airborne by a slight flick of the wrist or it can be launched from a tube. The advanced autopilot flies the plane while the operator uses a simple touch screen to direct the aircraft where to fly, when to return and where to land. Multiple redundant safety features allow a single operator to safely fly this 2 pound micro-UAS after just 4 hours of training.

https://defense-update.com/20071028_nighthawk.html

NightHawk is ready to fly as soon as it is pulled from its container. The range of the current version is increased to 10-15 km, and flight duration extended to 70- 90 minutes cruising at speed of 18 – 35 knots. The air vehicle, constructed from tough, lightweight carbon fiber airframe and flexible wings, which can be folded around its fuselage, allowing the entire UAV to be stored in a small tube. When pulled out of the tube, the folded wings automatically snap into place. It weighs only 1.6 lbs and has a wing span of 26 inches. It is designed to operate at an altitude of 200 – 500 ft above ground level, at elevations up to 11,000 ft above sea level. NightHawk can be launched by hand toss, from standing, sitting, prone position or from moving vehicles. To ease tracking, NightHawk is equipped with a remotely controlled visible/IR strobe.



TerrAqua UAV Solutions is a cutting-edge Unmanned aerial vehicle (UAV) and Geospatial Intelligence Company incubated at the Indian Institute of Technology Kanpur (IITK) in 2018 under the Institute's Faculty Entrepreneurship Policy.

