



THE AQUILA P™ UNMANNED AIRCRAFT SYSTEM (UAS)

The Aquila P UAS is an all composite pusher aircraft that may be operated via man-in-the-loop or totally autonomous. Various auto-pilots have been integrated and tested on this platform. Aquila P has been designed to be low price with high performance and reliability. Aquila P has a large payload capacity.

Various payloads (e.g., EO video, LWIR video, dual EO/LWIR video systems, gimbals, spectral-imagers) may be integrated into Aquila P as additional optional payloads. Additionally, extended range full tank, specialized sensors, custom payloads, and payload controllers are available for integration. The full system is designed to be air transportable and can be assembled in a rapid manner in field.



Aquila P UAS Specifications

Wingspan	103 inches
Fuselage Length	60 inches; Overall length 101"
Max Speed	100 knots (185 km/hr)
Max Range	280 miles depending on fuel on board.
Cruise Speed	60 knots (129 km/hr)
Max Altitude	10,000 ft. (3 km) MSL
Max Endurance	5+ hours depending on fuel and payload on board.
Max Takeoff Weight	80 lbs (Best flying weight: up to 70 lbs)
Dry Weight	~ 47 lbs (different options for fuel tank ranging from 78oz to 3 gallons)
Comm Links	900MHz data modems, 2.4 GHz video.
Payload Capacity	Fuel plus payload not to exceed 30 lbs.; Payload volume up to 9" x 9" x 27"
Engine	From 62cc to 100cc custom; 75cc, 7.5hp 2-stroke reverse rotation gasoline engine standard configuration
Max. Comm. Range	10 miles (line of Sight)
Takeoff & Landing	RC Mode, runway < 500ft; autonomous takeoff and landing are optional.
Ground Station	C3 (RC & Autonomous); includes laptop, wireless modem/antennas; and complete ground station software and extensive data logging capability.

Specifications subject to change without notice



A wide range of applications:

- Search and rescue
- Tactical fire monitoring
- Precision agriculture
- Pipeline and powerline monitoring
- Border patrol
- Environmental monitoring
- Training & research



About FarCo Technologies, Inc.

FarCo is a leading company in autonomous systems technologies for sea, land, air, and space with roots in control systems development, guidance, navigation, and electromechanical system design. We have developed auto-pilots and collision avoidance systems for various unmanned vehicles.

For additional information and quotes on Aquila P, contact us: info@farcotech.com.