



The HL12 Iris UAV by Allied Drones is a revolutionary twin-rotor UAV platform featuring a unique dual power capability that allows for quick-swap changing of electric or gasoline powerplants into the same airframe. The Iris also is 30% more efficient than a typical single rotor helicopter design due to the elimination of the traditional helicopter tail rotor.

Twin-Rotor Dual-Power VTOL UAS

Autopilot Options: Custom Micropilot MP2128heli, Custom 3DR Pixhawk
Autonomy: Full Featured Waypoint Missions, Auto Take Off, Auto Land, RPV Mode
Motor Options: 295kv 6,878w electric motor
80cc twin-piston 2-stroke gasoline engine, single carburetor (8hp / 6kw)
Power: 12S Lipo Batteries or 89 octane gasoline
Main Rotor Diameter: 62in. (1.6m)
Aircraft Weight: 25lbs dry (11kg) / 33lbs wet (15kg)
Additional Payload Capacity: 20lbs / 9.0kg
Radio Range: Microhard 900mhz 12 miles range (20km)
Airspeed - Cruise: 40mph (35 knots)
Ceiling: 10,000ft. density altitude
Rotor Head Speed: 1400rpm, governor controlled

Contact Allied Drones to learn more about the extraordinary capabilities of the HL48 or arrange for a demonstration

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