

AIRFRAME

AIRFRAME DESIGN	Coaxial Unmanned Aerial Vehicle
MATERIALS	Polycarbonates, composites, aluminum
HEIGHT	25.5 inches (650 mm)
CORE DIAMETER	7 inches (178 mm)
TIP-TO-TIP SPAN	36 inches (914 mm)

PERFORMANCE

MAX TAKEOFF WEIGHT	30 lbs. (13.6 kg)
CORE WEIGHT	Core Vehicle (no battery or payload) 8.1 lbs. (3.6 kg)
MAX PAYLOAD	Maximum available payload w/ one battery: 15.3 lbs. (6.9 kg) Maximum available payload w/ dual battery: 8.7 lbs. (3.9 kg)
DRIVE SYSTEM	Direct drive with 2x brushless motors
POWER	12S 44.4 volts Lithium-ion
ENDURANCE	ONE BATTERY: 20 min. w/ 15.3 lbs. payload DUAL BATTERY: 65+ min. w/ no payload 50 min. w/ 7.5 lbs. payload
MAX ALTITUDE	14,600 feet above MSL (5,000 m) (observed)
MAX SPEED	Manual: 60+ mph (100 kph, 27 m/s) Auto (Recommended): 40 mph (65 kph, 18 m/s)
ENVIRONMENTAL	IP56 OPERATING TEMP: -20 to 130F (-28 to 54C) WIND RESISTANCE: CLASS 8 (40+ mph)

COMMAND & CONTROL (C2)

DATA LINK	Standard configuration 2.4 GHz. Other options available.
AUTOPILOT	Pixhawk Cube. NDAA-compliant, MAVLink compatible. Other autopilot options available.
GPS	GPS, GLONASS, BEIDUO + RTK support. Other options available.
AIRBORNE EQUIPMENT & GCS OPTIONS	A wide range of C2 hardware is available to support manual and autonomous operations. Airborne options include Microhard, Herelink, DoodleLabs, L3Harris and others. GCS options include Herelink, UXV Navigator Tab5, and ruggedized Linux, Windows and Android tablets.

Performance details for specific combinations of C2 equipment are available upon request. New C2 options are added often and custom options are available. Please contact us for details.