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ASCENT AEROSYSTEMS

NX30 PLATFORM SPECIFICATIONS

VEHICLE

AIRFRAME DESIGN	Coaxial Unmanned Aerial Vehicle
MATERIALS	Polycarbonates, composites & aluminum
HEIGHT	32 inches (812mm)
CORE DIAMETER	6.18 inches (157mm)
TIP-TO-TIP SPAN	36 inches (914mm)

PERFORMANCE

MAX TAKEOFF WEIGHT	30 lbs (13.6kg)
PAYLOAD	Maximum available payload w/one battery: 15.3lbs (6.8kg) Maximum available payload w/one battery: 8.7lbs (3.9kg)
EMPTY WEIGHT	Core Vehicle (no battery or payload) 8.1 lbs (3.6kg)
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 | 50min. w/7.5 lbs. payload
MAX ALTITUDE	14,600 feet above MSL (5,000m) (observed)
MAX SPEED	Manual: 60+mph (100 kph, 27m/s) Auto (recommended): 40 mph (65kph, 18 m/s)
ENVIRONMENTAL	**IP56** **OPERATING TEMP:** -40 to 130F (-40 to 54C) **WIND RESISTANCE:** CLASS 8 (40+mph)

COMMAND & CONTROL (C2)

AUTO PILOT	Pixhawk Cube. NDAA-compliant, MAVLink compatible. Other autopilot options available.
GPS	GPS, Glonass, Galileo, Beidou and QZSS. Other options available.
AIRBORNE EQUIPMENT & GCSOPTIONS	A wide range of C2 hardware is available to support manual and autonomous operations. Airborne options include Microhard, Herelink, DoodleLabs and L3Harris and others. GCS options include Herelink, UXV Navigator Tab5, and ruggedized Linux, Windows and Android systems.

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.

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