NX30 PLATFORM SPECIFICATIONS

VEHICLE

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

PERFORMANCE

MAX TAKEOFF WEIGHT	30 lbs. (13.6 kg)
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)
EMPTY WEIGHT	Core Vehicle (no battery or payload) 8.1 lbs. (3.6 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:** -40 to 130F (-40 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, Silvus, Persistent Systems and DoodleLabs. GCS options include Herelink, UXV Navigator Tab5, Vantage Robotics, ruggedized Windows PCs and Android/iOS 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.

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