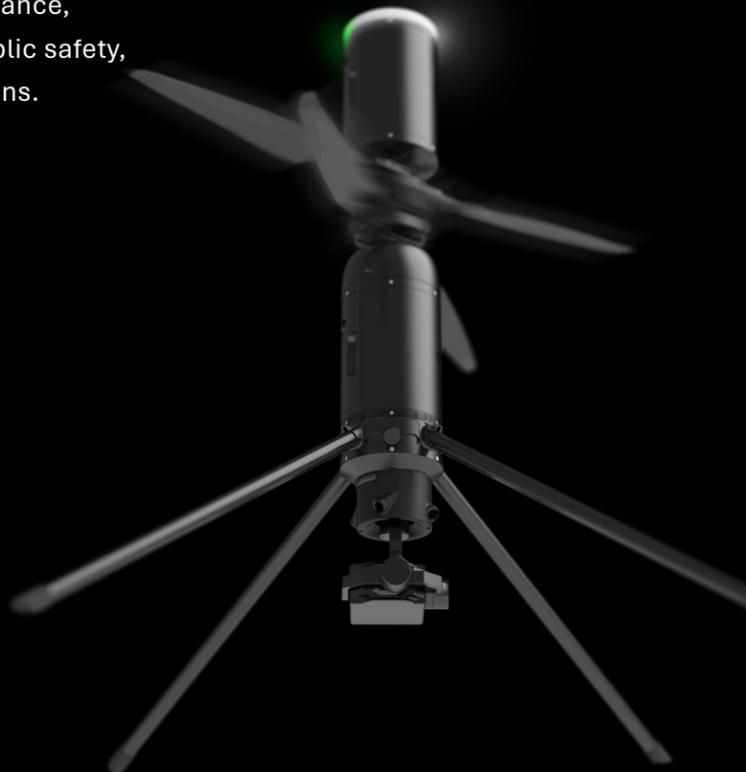


SPARTAN

CUTTING-EDGE
PERFORMANCE
WITHOUT COMPROMISE.

Built for missions that demand more, SPARTAN delivers unmatched speed, range, endurance, and payload capacity – all in a compact, portable form factor.

Engineered to scale alongside mission demands, SPARTAN sets a new standard in performance, reliability, and versatility for defense, public safety, and enterprise-level industrial applications.



SPARTAN



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UNMANNED™

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UNMANNED™

SPECIFICATIONS

SPARTAN



AIRFRAME

AIRFRAME DESIGN	Coaxial Unmanned Aerial Vehicle
MATERIALS	Polycarbonates, composites, aluminum
AIRFRAME HEIGHT	30.4 inches (771 mm)
CORE DIAMETER	5.8 inches (147 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) 5.95 lbs. (2.7 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	IP54 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, BeiDOU + RTK support. Other options available.
AIRBORNE EQUIPMENT	A wide range of C2 hardware and software is available to support manual and autonomous operations. Airborne options include Herelink, DoodleLabs, L3Harris and others. ATAK Compatible.
GCS	GCS options include the NDAA-compliant Freefly Pilot Pro, Herelink, 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.

FEATURES & BENEFITS

Fly Longer & Farther

70+ minutes of flight endurance
1,800 sq. miles of coverage

Fly Faster & Carry More

65+ mph top speed; 15.3 lb. max payload weight

All-Weather Performance

Rugged IP54 airframe
Class 8 Wind Resistance (+40mph)

MOSA Flexibility

Universal click-ring connector enables custom payload integration

Optimized Landing Gear

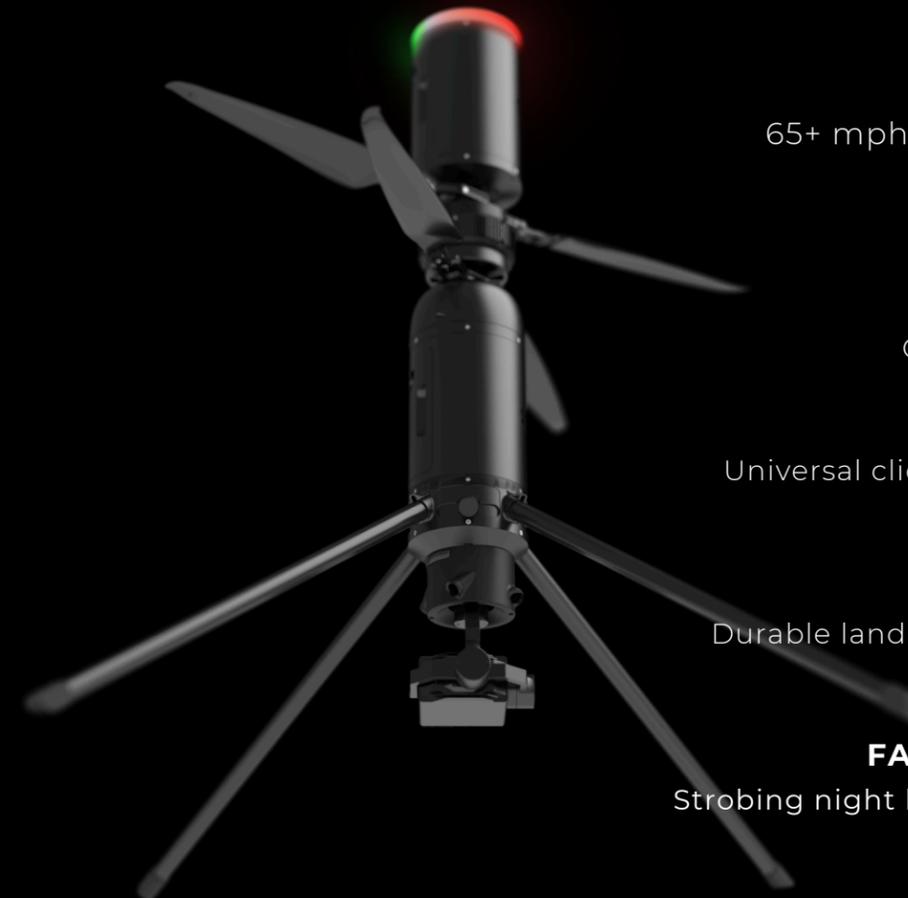
Durable landing legs provide increased ground clearance for larger payloads

FAA-Compliant Lighting System

Strobing night light; Fully addressable RGB LEDs

Integrated Core

Strong cylindrical core, custom electronic speed controls, integrated heatsink



USE CASES

PUBLIC SAFETY

- Search & Rescue
- Disaster Response
- Fire scene overwatch
- Traffic accident mapping
- Emergency supply delivery

INDUSTRIAL

- Remote pipeline inspection
- Power line surveys
- Site mapping & modeling
- Agricultural monitoring
- Inventory management

MILITARY

- Border surveillance
- Supply mission support
- Target recon and acquisition
- Communications relay
- Tactical battlefield mapping