



Vision Aerial drones are proudly made in America.



Vector Hexacopter

Originally designed to serve the US Secret Service as a heavy lift, long-endurance drone, the Vector was born out of necessity and grit. With six rotors, ultra-powerful motors, and two separate battery packs, the Vector is highly versatile and is able to lift many kinds of payloads.

Key Features:

The power, redundancy, and payload capacity you need for potential future missions.

5.0 kg (11 lb) payload carrying capacity.

40+ minute max flight time.*

Retractable landing gear deploys in less than a second.

Quickly swap payloads in the field with the Payload Connection System.

Three mounting points for payloads: top, nose and bottom.



What's included?

Vector hexacopter

Waterproof Pelican transport case with custom foam insert

(2) Flight batteries (two used per flight)

High-capacity AC dual battery charger

Ground controller with internal battery

Mission planning software (no subscription fee)

Video training series



Vector Hexacopter

PERFORMANCE

Max Flight Time*	40+ min
Top Speed**	70 kph (45 mph)
Max Wind Speed Resistance	32 kph (20 mph)
Weather Rating	IP52
Flight Range†	20 km (12.43 mi)
Operational Temp. Range	-15°C to 45°C (5°F to 113°F)
Max Altitude (MSL)	3048 m (10,000 ft)
GPS Accuracy	Within ±2.5 m (8 ft), typically less than ±1 m
GPS Accuracy with RTK††	Up to ±2.5 cm

FLIGHT STACK

Flight Controller	ProfiCNC Blue Cube (Pixhawk)
Ground Control Station	Herelink
Firmware	Arducopter
Flight Software	Vision Aerial Flight Deck

SECURITY

Encryption	Encrypted C1, C2 & video link AES 128 bit CTR
Data Link Frequency	2.4 GHz

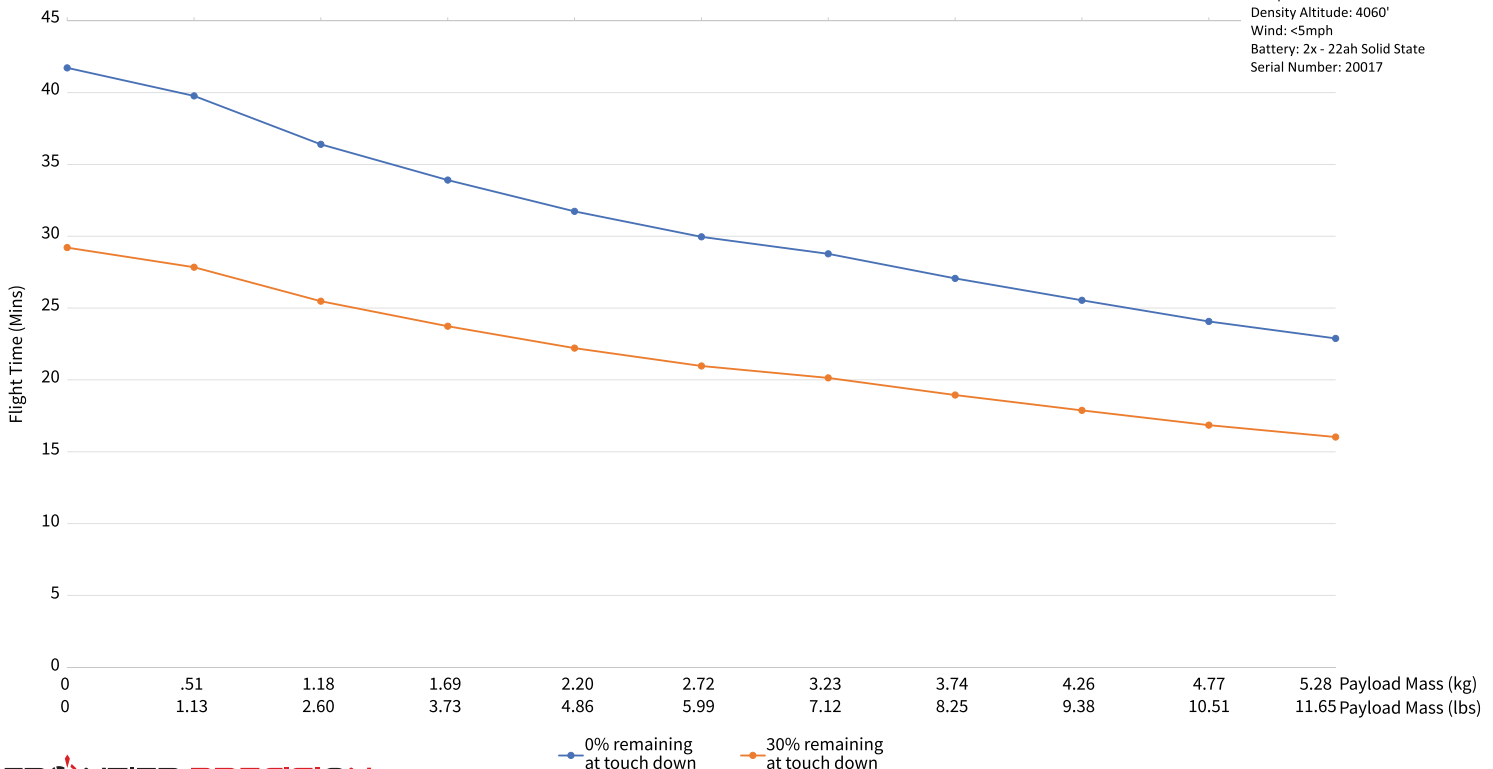
AIRCRAFT

Max Payload	5.0 kg (11.0 lb)
Ground Clearance	310 mm (12.20 in) with powered landing gear
	50 mm and 100 mm extensions available
Flight Dimensions	1050 mm (41.34 in) diameter
Storage Dimensions	1087 x 264 mm (42.7 x 10.4 in)
Case Dimensions	1470 x 480 x 280 mm (58 x 19 x 11 in)
Base Weight (No Battery)	6.0 kg (13.2 lb)
Weight with Batteries	9.78 kg (21.56 lb)

POWER

Battery	(2) 22,000 mAh 6S Solid State Lithium-Ion battery
Dual AC Battery Charger	Charges 2 batteries in 1 hour
Battery Lifespan	300 cycles
Nominal Voltage	6S 22.2 V
Connectors	XT90-S Anti-Spark
Rotors	47 cm (18.5 in) carbon fiber, folding, precision balanced

Hover Flight Time vs. Payload Weight (Vector 2.2)



Flight Information:
 Temperature: 3°C
 Density Altitude: 4060'
 Wind: <5mph
 Battery: 2x - 22ah Solid State
 Serial Number: 20017

* Flight time is impacted by variables such as payload mass, payload power draw, density altitude, wind, and maneuvering aggression.
 ** Vehicle is delivered with a lower speed. Max speed can be adjusted upon request.
 † Environmental factors may impact flight range.
 †† With known ground control point and adequate time for base station to collect satellite data.
 * 2020 NDAA compliant with 2022 NDAA option coming soon.