STEADI DRONE
WWW.STEADIDRONE.COM

VADER HL

THE ULTIMATE AERIAL PLATFORM

OVERVIEW

The new STEADIDRONE VADER HL has been developed and designed to offer the most advanced, heavy duty, heavy lift long endurance multi-rotor sUAS available, with features and quality you simply won't find on any other system. A reliable tool for everyday commercial and industrial applications, with a massive payload capacity and wide flight envelope, the VADER HL folds down into a compact travel case, smaller than any other system of comparable size, its the only option for serious aerial professionals and industry.

PHYSICAL SPECIFICATIONS

TYPE
Multi Rotary Wing

FRAME MATERIAL
Carbon Fiber, ABS Plastic, Aluminium

PROPULSION
8 x T-Motor U11 120KV Brushless motors
T-Motor 28 x 9.2 Carbon Fiber Propellers
T-Motor 26 x 8.5 Carbon Fiber Propellers
T-Motor 80A FLAME ESC

POWER SOURCE
4 x 10 000mAh-5S 40C LiPo Battery
(Configuration - 2 x 20 000mAh-10S)

FLIGHT CASE
Aluminium Exterior
ZoteFoam (Flame Retardant)
1130 x 440 x 290 mm

BATTERY CASE
Aluminium Exterior
ZoteFoam insert (Flame Retardant)
670 x 440 x 120

IMAGE USED MAY NOT REFLECT THE ACTUAL DRONE

DIMENSIONS

AIRFRAME	LENGTH	WIDTH	HEIGHT
FOLDED	790 mm	340 mm	212 mm
UNFOLDED	960 mm	970 mm	495 mm
DIAGONAL SIZE	1320 mm		

WEIGHT

Airframe Weight (No motors & Avionics)	**3.8 Kg**
RTF Weight incl LiPo	**16.4 Kg**
Max Payload Weight	**15.0 Kg**
Max All Up Weight	**31.0 Kg**

OPERATION SPECIFICATIONS

FLIGHT PERFORMANCE

MAX operational flight time (No payload)	**± 25min**
MAX range (Endurance based on a 5m/s speed)	**7Km**
MAX forward speed	**20 m/s**
MAX climb rate	**9 m/s**
MAX descent rate	**6 m/s**
MAX operational altitude (ASL)	**± 4000 m**
MAX range (Radio)	**1500 m**
MAX operating wind speed	**± 11 m/s**
MIN operating temperature	**-5 °C**
Max operating temperature	**+50 °C**

CONTROL FREQUENCY

Radio - 2.4 Ghz
***Data telemetry radio** (915Mhz or 433Mhz) *** Location Dependable**

Software (Suggested)

Windows -	**Mission Planner**
MAC -	**APM Planner**
Android -	**Tower**