



# VADER X4

## THE ULTIMATE AERIAL PLATFORM

### OVERVIEW

The SteadiDrone VADER has been designed to offer the most advanced heavy lifting and long endurance multi-rotor sUAS available with features you simply won't find on any other system. The VADER is a reliable tool for everyday commercial and/or industrial applications.

### PHYSICAL SPECIFICATIONS

#### TYPE

Multi Rotary Wing

#### FRAME MATERIAL

Carbon Fiber, ABS Plastic, Aluminium

#### PROPULSION

4 x T-Motor U8 100KV Brushless motors  
 T-Motor 28 x 9.2 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	190 mm
UNFOLDED	960 mm	970 mm	495 mm
DIAGONAL SIZE	1320 mm		

### WEIGHT

Airframe Weight (No motors & Avionics)	3.8 Kg
RTF Weight (No LiPo Battery)	5.8 Kg
RTF Weight incl LiPo	10.2 Kg
Max Payload Weight	4.0 Kg
Max All Up Weight	14.2 Kg

### OPERATION SPECIFICATIONS

#### FLIGHT PERFORMANCE

MAX operational flight time (No payload)	± 50 min
MAX range (Endurance based on a 5m/s speed)	15 Km
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