



VTOne™

Class 3 (EU Reg. 2019/945) Quadcopter Fixed Wing

Technical Specifications

Physical Specifications	
Size (LxWxH)	1600 mm x 2990 mm x 750 mm
Weight (with / without battery)	14.5 kg with battery / 8.5 kg without battery
Maximum Take-off Weight	16.5 kg
Payload Weight	2 kg
Maximum Linear Velocity	120 km/hr
Wind Speed Tolerance	50 km/hr
Maximum Flight Autonomy	150 minutes

Radio Specifications	
Control Radio Band	2.4 GHz
Communications Band	Wi-Fi, 5G
Positioning Accuracy	Down to 2 cm
GNSS Systems	GLONASS, GALILEO, QZSS, GPS L1/L2, BeiDou

Electrical Specifications	
Battery Type	12 S Li-Ion
Battery Voltage	44.4 V
Battery Maximum Current	350 A
Battery Capacity (x2)	17,500 mAh
Battery Weight (x2)	3 kg
Voltage Outputs	48 V, 24 V, 12 V, 5 V
Connection Interfaces	USB 2.0, MIPI, CSI, SPI, Ethernet, I2C, CAN
Maximum Sound Level	100 decibels

Environmental Specifications	
Operating Temperature	-10 °C / +40 °C
Storage Temperature	-10 °C / +60 °C
Operating Humidity	< 95 %, non-condensing