



BVQ418®

Class 3 (EU Reg. 2019/945) Pro Quadcopter

Technical Specifications

Physical Specifications	
Size (LxWxH)	1700 mm x 1700 mm x 600 mm
Weight (with / without battery)	11 kg with battery / 5 kg without battery
Maximum Take-off Weight	18 kg
Payload Weight	7 kg
Maximum Linear Velocity	80 km/hr
Maximum Angular Velocity	540 °/s
Wind Speed Tolerance	70 km/hr
Maximum Flight Autonomy	90 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	22.2 V
Battery Maximum Current	175 A
Battery Capacity (x2)	17,500 mAh
Battery Weight (x2)	2.85 kg
Voltage Outputs	24 V, 12 V, 5 V
Connection Interfaces	Ethernet, USB 2.0, CAN, UART, I2C
Maximum Sound Level	99 decibels

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