

BVQ825

Smart. Portable. Powerful.

BVQ825 Technical specifications

Class (EU Reg. 2019/945)	3
Type	Multicopter
Dimensions (length x width x height)	1600 x 1600 x 420 mm
Empty Weight (no batteries)	8 kg
Maximum takeoff weight	25 kg
Payload weight	11 kg
Maximum linear speed	70 km/h
Maximum angular speed	180 ° / s
Maximum descent speed	12.6 km/h
Maximum ascent speed	12.6 km/h
Maximum supported wind speed	60 km/h
Autonomy	70 min
Quick payload changeover	(up to 2 payloads simultaneously)
On-board Computer (AI + SDK + ROS)	(Ubuntu 20.04)
Battery Type	12S Li-Ion
Nominal battery voltage	44.4 V
Max battery current	400 A
Battery capacity	40000 mAh (2 x 20000 mAh)
Battery weight	6 kg (2x 3kg)
Output voltages (for integration of other payloads)	24V, 12V, 5V
SSD	256/512 GB (add-on)
Interfaces for peripherals	Ethernet / I2C / CAN
Multiple radio options	L band / S band / C band (according to chosen radio)

Radio Distance	12Km/30Km/100Km (according to chosen radio)
WiFi	✓
Bluetooth	✓
3G	✓
4G	✓
5G	✓
Ground station connection capability	✓
Cloud control capability (cloud)	✓
Dual Stream	✓
Autonomous missions	✓
GNSS constellations	GPS L1/L2, GLONASS, QZSS, Beidou, GALILEO
Position accuracy	5 cm
Position accuracy (without RTK)	20 cm
Operating Temperature	-10°C/+40°C
Storage temperature	-10°C/+60°C
Relative humidity supported in operation	<95%,
UAV directive	Reg. 2019/945/EU Reg. 2019/947/EU
Radio	2014/53/EU ; EN301 893:2015 ; EN300 328:2015 ; EN300 440 ; EN303 413 ; EN300 220-1
EMC	2014/30/EU ; EN301 489-1 EN301 489-3 ; EN301 489-17
Battery	2006/66/EC
RoHS	2011/65/CE EN62321
Label	ANSI/CTA-2063