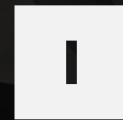




Z C Q M

A TECHNOLOGICAL MARVEL



ZCQM Drone

A Technological Marvel

Unveiling the ZCQM Drone, a beacon of technological innovation designed for versatility, endurance, and resilience. This Unmanned Aerial Vehicle (UAV) is a peak of innovation in its class, guaranteeing exceptional performance across varied conditions.



DURABLE



FASTEST IN
ITS CLASS



LONGEST ENDURANCE
IN ITS CLASS



MIL-STD 810G
ENVIRONMENTAL CERTIFIED





Compactness Meets Capacity

Despite its compact footprint of 0.6m x 0.6m, the ZCQM stands out as a robust drone suitable for a wide array of applications. Its maximum take-off weight of 8kg allows it to carry an impressive payload of up to 3kg, demonstrating that size does not limit capacity.

Exemplary Operational Performance

The ZCQM outperforms its competitors with an incredible flight time. Without any payload, it can soar for up to 90 minutes. Even with a 1kg payload, its flight time is an impressive 65 minutes, and with a 750g payload, it can fly for up to 70 minutes.

Its maximum speed surpasses 75 km/h in GPS-guided autonomous navigation and over 100 km/h under manual control, setting the speed standard for its class.

Unmatched Environmental Resilience

The ZCQM is engineered for challenging environments, with the capability to ascend up to an altitude of 4000m above sea level. Its unrivaled wind resistance allows it to maintain operations in wind speeds of up to 45 km/h, demonstrating its robustness and dependability.

Versatility in Payload Capacity

The ZCQM comes equipped with a common base platform that supports diverse payloads. Its mechanical and avionics interfaces are compatible with a wide range of devices, from cameras to CBRN detectors, marking the ZCQM as a versatile instrument for multiple mission types.

Unassailable Structural Integrity

The ZCQM boasts a unique, damage-resistant structure. Its one-piece full carbon body ensures high durability and offers robust protection for its internal components, enabling it to weather the rigors of operation under varied conditions.

Setting New Standards

In conclusion, the ZCQM drone redefines standards in its class with its exceptional flight duration, high payload capacity, superior speed, outstanding wind resistance, and versatile payload interface. Its robust and damage-resistant structure further enhances its appeal, making it the go-to choice for professionals seeking a reliable, high-performing, and adaptable UAV solution.

No Payload Weight	<4.5kg
Max. Payload Weight	Up to 3kg
Payload Volumetric Limit	Up to 3lt
Length(W/O prop)	0.6m
Width (W/O prop)	0.6m
Max. Operating Altitude	4000m (AMSL)
Max. Speed	120 km/h
Endurance (with 1kg payload at Sea Level)	Up to ~70 minutes
Wind Resistance	Grade 6
BVLOS Range (with 1.5kg Payload)	Up to 75km
Landing Gear Type	Static or Foldable
Operating Temperature	-15 °C - +55 °C
Datalink Range	20km (Telemetry LOS), and/or LTE

Propellers	21" lightweight carbon, same size foldable propellers can be used
Environmental Certification	MIL-STD-810G
Carring Type	Towable box
GCS	7" or 10" Handheld Controller,
Autopilot Properties	Waypoint Navigation, Fail Safe Modes, RTH, Auto Take-off and Landing
GNSS	Glonass, GPS, other positioning systems can be integrated
Battery Type	Quick Swap Solid-State Lipo Integrated Box

