



Z C O M

SCALABLE BASE PLATFORM



ZCOM

Compact and High-Capacity Design

The ZCOM is a robust aerial vehicle with a maximum takeoff weight of under 60 kg. Despite its compact size, it offers a hefty payload of 25 kg and a maximum payload volume of 30 liters, enabling versatile and flexible mission capabilities.



HIGH PAYLOAD



SMALL
FOOTPRINT



LONG RANGE



MIL-STD 810G
ENVIRONMENTAL CERTIFIED



Built for Performance

With dimensions of approximately 1.3m in length and width (excluding propellers), the ZCOM performs at a maximum operational altitude of 4000m Above Mean Sea Level (AMSL) and 1000m Above Ground Level (AGL). Its maximum cruise speed is 75 km/h, and it can stay airborne for over 1.5 hours without payload.

Unyielding against the Elements

ZCOM is engineered to withstand wind speeds up to Beaufort 6, ensuring reliable operation under challenging weather conditions.

Impressive Range

The ZCOM boasts a Beyond Visual Line of Sight (BVLOS) range of up to 60 km with a 1.5 kg payload. This makes it particularly suited for long-range missions.

Advanced Landing Gear

Equipped with an electric landing gear that can be either foldable or fixed, the ZCOM ensures safe landing and takeoff operations.

Powerful and Adaptable

The ZCOM is powered by a Solid State LiPo 12S battery and operates within a broad temperature range of -15 to +55 degrees Celsius. It supports telemetry Line of Sight (LOS) data link range of 20 km, and/or LTE.

Superior Navigation

ZCOM employs a GNSS system that supports Glonass, GPS, Beidou, and RTK. It also features 42" carbon fixed or foldable propellers, which contribute to its superior maneuverability and performance.

Superior Body Material

Crafted with a monocoque, carbon fiber body, the ZCOM ensures a lightweight yet sturdy structure that can endure high-stress flight conditions.



Durable and Mobile

Compliant with MIL-STD-810G environmental conditions, the ZCOM is designed to withstand tough operating conditions. It can be conveniently transported in an IP55 hard case or bag.

Intuitive Ground Control

The ground control station is a handheld control unit with a 10" screen, providing operators with real-time data and control over the drone's flight path and mission parameters.

Smart Autopilot

ZCOM's autopilot features include waypoint navigation, fail-safe modes, Return to Home (RTH), Auto Take-off and Landing, Collision Avoidance, and Self Check. These intelligent features enhance its autonomy and safety.



ZCOM60

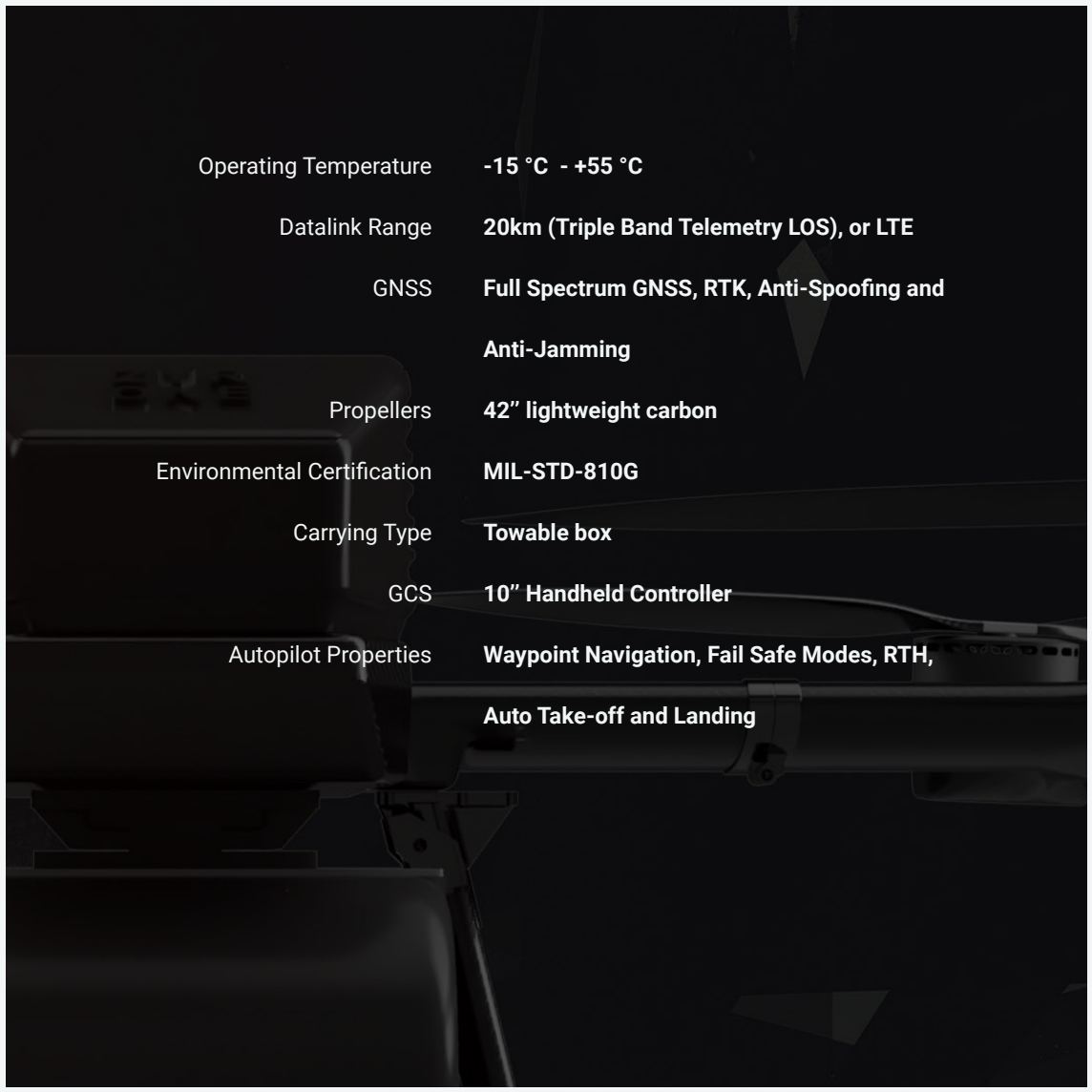


Unmatched in its Class

What sets the ZCOM apart from its competitors is its minimal footprint in its class, ability to perform at least four times more missions, capability to perform full-load missions in wind speeds of up to 50 km/h, and its exceptional range, especially in cargo transport missions, making it the longest range aircraft in its class worldwide.



MTOW	<60kg
Max. Payload Weight	Up to 30kg
Payload Volumetric Limit	Up to 30lt
Length (W/O Prop)	1.3m
Width (W/O Prop)	1.3m
Max. Operating Altitude	4000m (AMSL)
Max. Speed	75 km/h
Endurance (with 4.5kg payload at Sea Level)	Up to 1 hour
Wind Resistance	Grade 6
BVLOS Range (with 1.5kg Payload)	Up to 60km
Landing Gear Type	Box Integrated or Foldable
Battery Type	Quick Swap Solid-State Lipo
	Integrated Box



Operating Temperature	-15 °C - +55 °C
Datalink Range	20km (Triple Band Telemetry LOS), or LTE
GNSS	Full Spectrum GNSS, RTK, Anti-Spoofing and Anti-Jamming
Propellers	42" lightweight carbon
Environmental Certification	MIL-STD-810G
Carrying Type	Towable box
GCS	10" Handheld Controller
Autopilot Properties	Waypoint Navigation, Fail Safe Modes, RTH, Auto Take-off and Landing