CHINOWING

CP25 Electeir VTOL FIXED WING UAV

4 Hours Endurance
Mac.Payload 10 kg

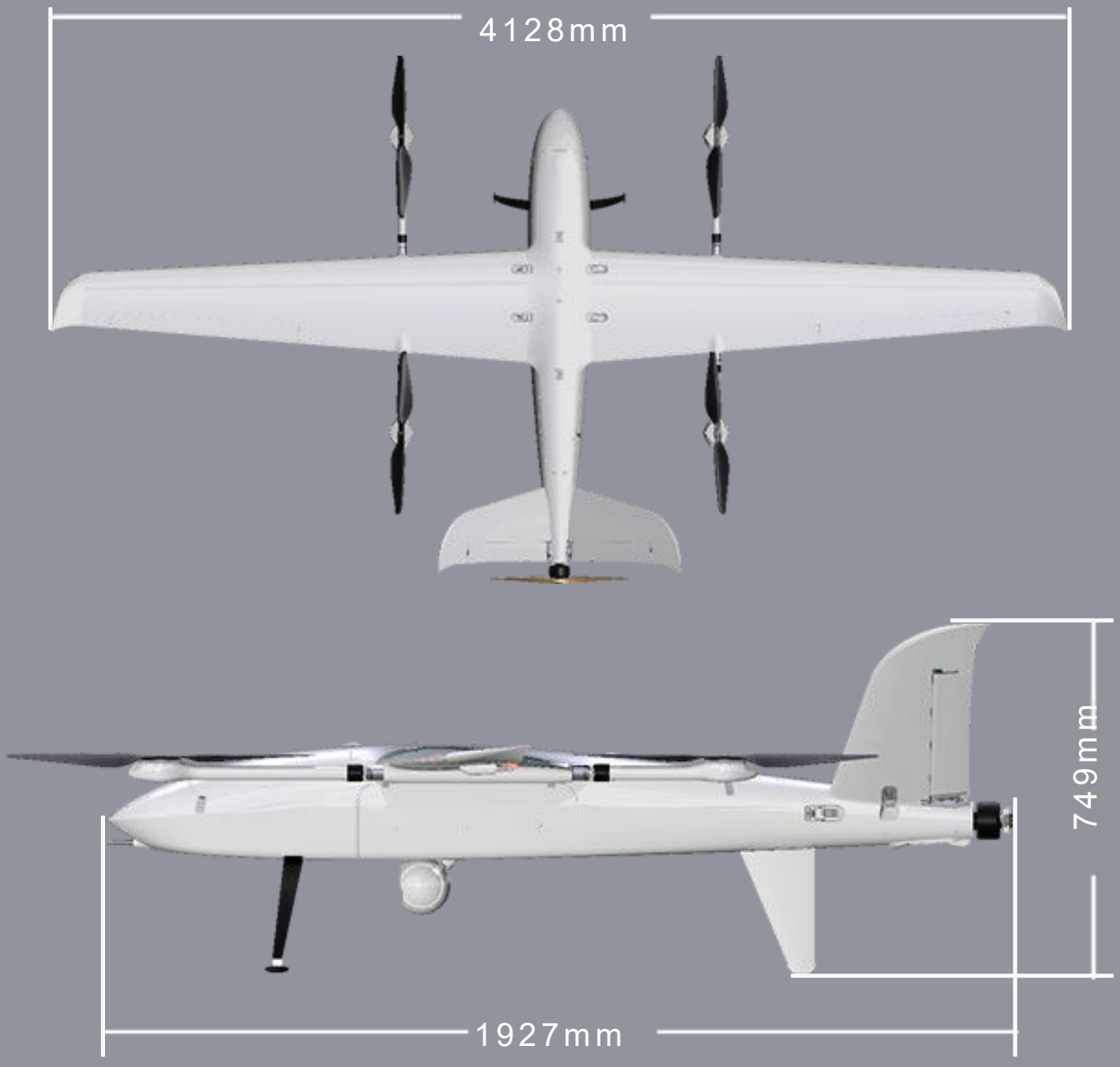
Surveillance/Lidar mapping
Logistics delivery

CP25 is the newest pure electric vertical take-off and landing(VTOL) Fixed-wing UAV from GY UAV, which is based on long-endurance, large payload, and multi-purpose to meet a variety of applications.

The maximum payload of the CP25 is 10kg, and max flight time is up to 4 hours. It can fly 120 minutes with 6.5kg Lidar and 90 minutes with a full load 10kg.

Modular design realized rapid deployment. VTOL and high-speed cruise, can take-off and landing independently on movable platforms and complex environments.

It supports mainstream security payloads for surveillance (visible light, infrared light), mapping payloads (lidar, orthophoto camera, etc.), logistics delivery payloads, and can expand more mission payloads such as multispectral, megaphone and gas detection to realize wide application in more scenes.

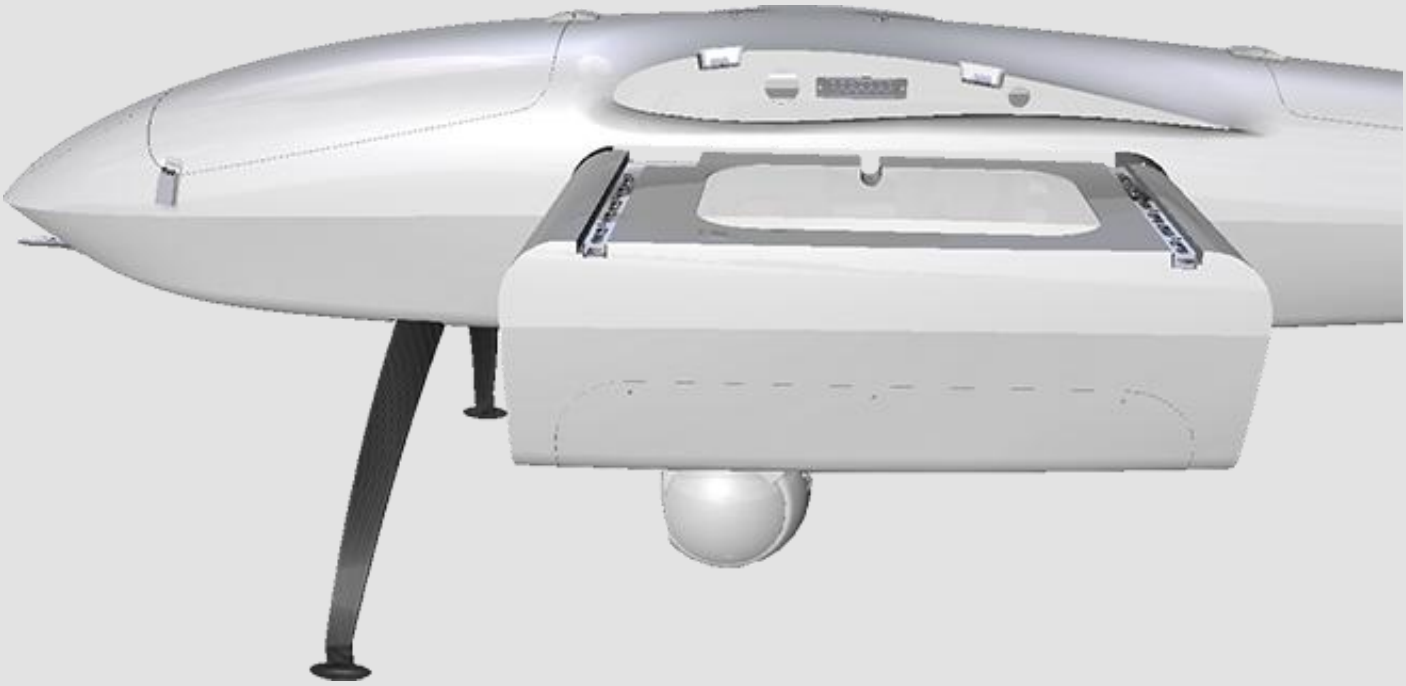


Flight Specification

Standard Take-off Weight	30kg
Max. Payload Weight	10kg
Cruise Speed	72km/h
Max. Flight Speed	130km/h
Control Radius	30km
Max. Climb Speed	4m/s
Max. Descend Speed	5m/s
Max. Altitude AMSL	4200m
Max. Wind Resistance	Level 6
Operating Temperature	-10~60℃
Max. Flight Time	≥240min
Flight Distance	280km
UAV Dimensions	4128*1927*749mm
Package Size	1580*660*760mm

Modular Design

The CP25 fixed-wing UAV is designed with an independent drawer payload cabin, which can easily and quickly change to different mission payloads, and is not only compatible with long-range mapping LIDAR but also can be expanded to simultaneously mount security pods and ortho cameras for surveillance and mapping tasks.



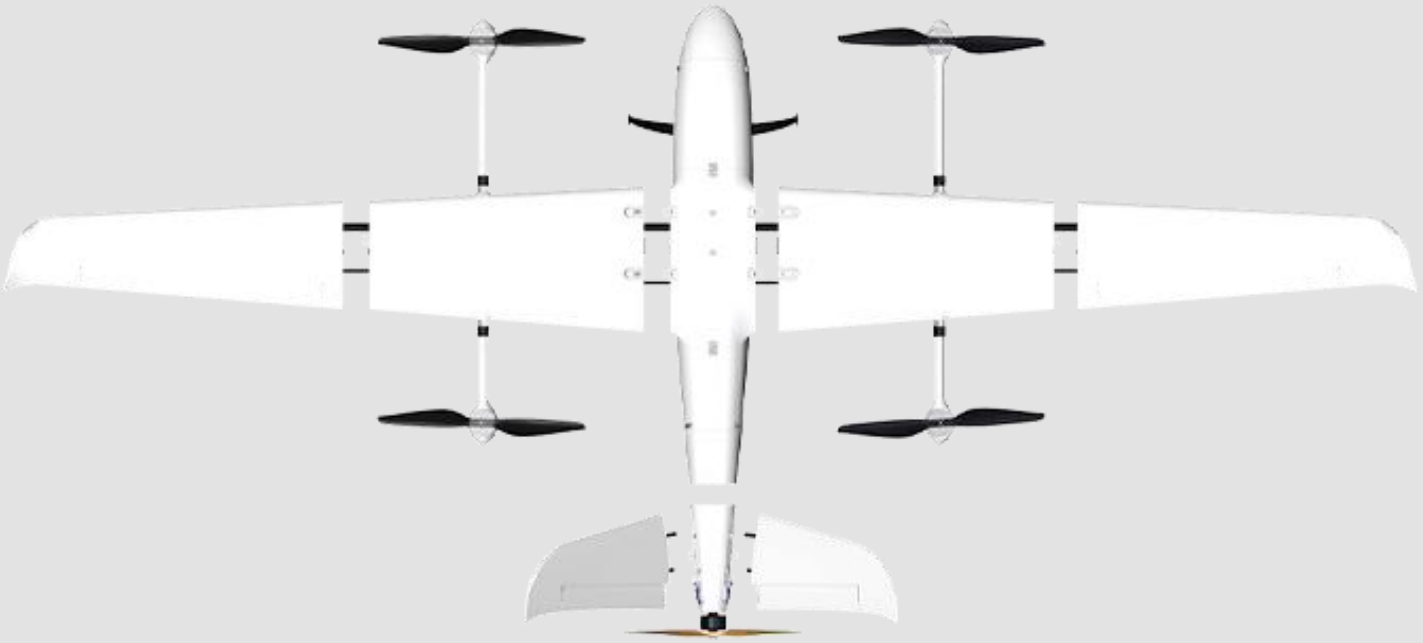
LiDAR

Dual light pod

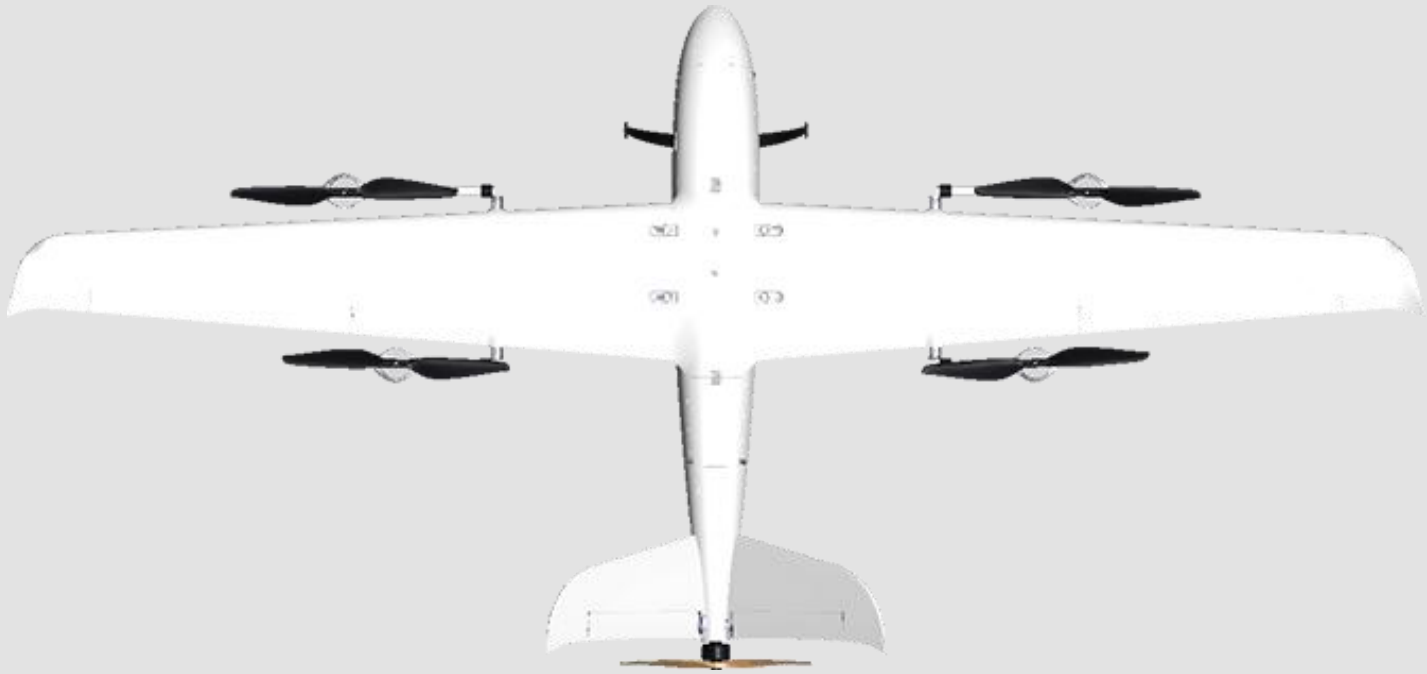
Oblique camera

Logistics delivery cabin

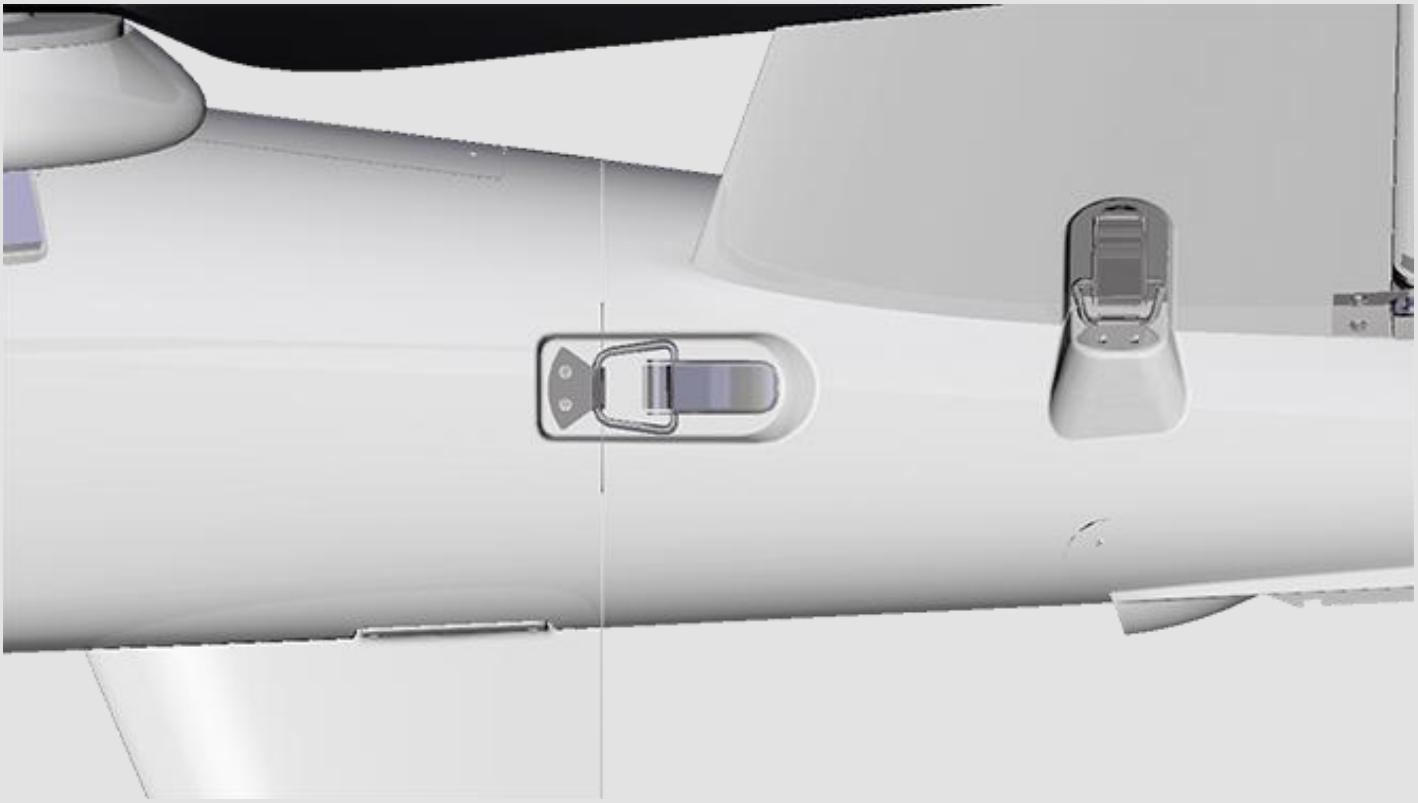
Advanced modular design, disassembly, and assembly without any tools.



Foldable arm design, can significantly reduce the volume of packaging, easy to transport.



Snap-type locking method, save your mind and effort.



The plug-in interface can effectively avoid the trouble of wiring connections.

More Performance >

Night Flight

CP25 adopts the design of red light on the left wing, green light on the right wing,which can better meeting the needs of night flight.

Dual RTK Module

The flight control system is designed with triple redundancy, dual GPS, and dual RTK to achieve centimeter-level accurate positioning.

Data Link

The CP25 is equipped with a 30KM data link as standard and can be extended to 100KM, which has the advantages of long-distance, low latency, high speed, and reliable and secure data communication (can be customized according to customer's requirements).

Front and Rear Landing Gear Design

Designed with front and rear landing gear to increase the landing cushion, greatly reducing the risk of damage of the frame.
Antenna is embedded in rear landing gear to reduce the wind resistance and realize long-distance transmission without shielding.

Good Waterproof Performance

With the waterproof Level IP 54 for moderate and light rain, it can back home safely when meet the rainy weather during the flight.

Excellent Plateau Performance

The CP25 can take off at an altitude of 4200m and cruise altitude over 5200M.

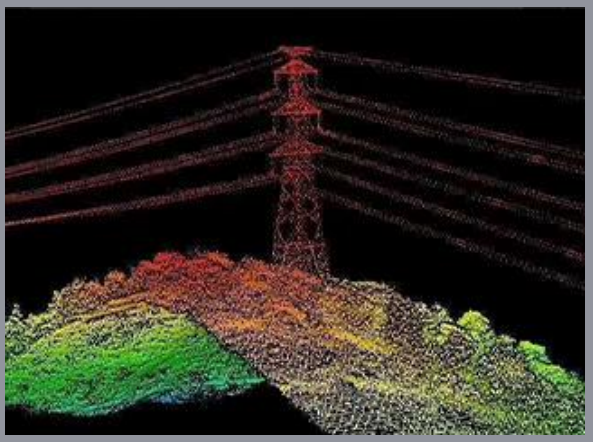
Ground Control Station

The CP25 GCS integrates flight commissioning, route planning, attitude monitoring, 3D mapping functions, etc., and good human-machine interaction makes it easy and convenient for users to operate mission planning.

Industry Applications

Industrial UAV are being integrated with traditional industries to form a new mode of "+ UAV" usage in several fields such as map mapping, power patrol, security monitoring, and emergency disaster relief.

Emergency



Electric Power

Police

Water Conservancy

Environmental Protection

Transportation

More Reliable · More Efficient