



Dalian Hongyi Aviation Science and Technology Development Co.,Ltd.



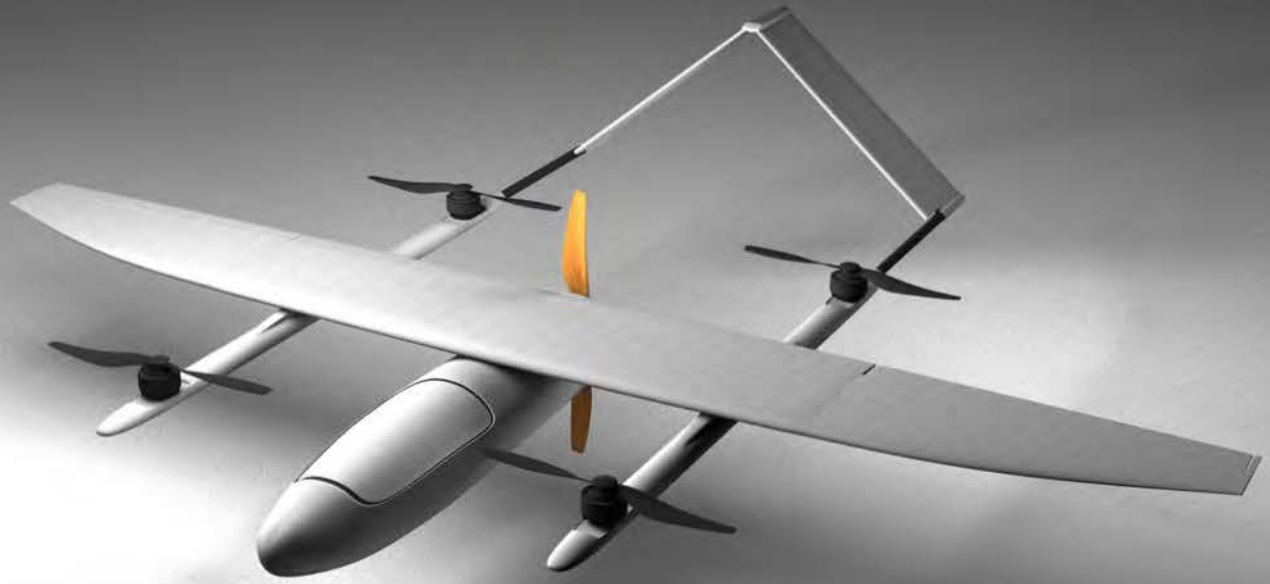
Scan Eagle-01 VTOL UAV

Innovative technology look forward to future

HONG YI

Aerospace Science & Technolog

Scan Eagle-01 VTOL UAV

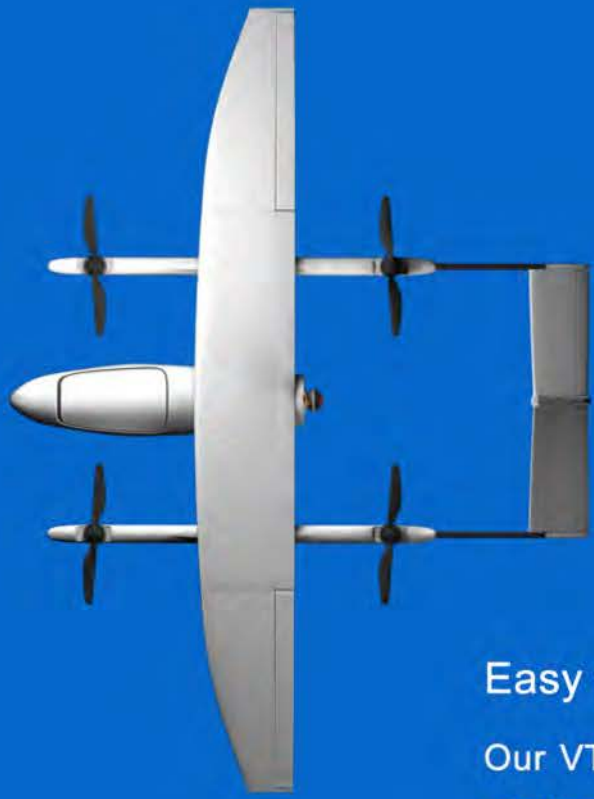


Light weight

Fuselage materials using composite materials which are high strength, good aerodynamic effect and easy maintenance

Excellent technical process

Most components and parts using manual molding process, some of the parts using CNC machining technology.



Simple structure

Easy assembly, body structure can be detached.

Qualified quality inspection

Each component has been checked by QC, the dedicated inspection staffs test the surface quality, processing accuracy, amount of plastic etc.

Easy to operate

Our VTOL UAV is easy to operate. The hand-held ground station can be a simple operation which realizes one-button autonomous takeoff, autonomous hovering, autonomous flight and autonomous landing.

RTK positioning

landing fixed, precise operation.



Vertical takeoff and landing

No takeoff and landing and airspace requirements, and high efficient operation.



Steady flight, strong wind resistance, stable flight under 5 strong winds



Aerial camera shooting and survey

Professional multi-spectral, hyperspectral camera makes sure aerial shooting and survey clearly.

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Technical Parameters

Specification datas

Wing length 2400mm

length of UAV 2000mm

Max takeoff loading 10kg

Effective loading 2kg

Empty UAV weight 4kg

Max flight time 2h

Flight radius 80km

Max altitude 5000m

Max flight speed 110km/h

Working flight speed 90km/h

Environmental temperature $-30^{\circ}\text{C}\sim 50^{\circ}\text{C}$

Takeoff and landing type vertical

Wind loading rating 10m/s

Control precision 0.05m