

**CHCNAV**

**P330**

—  
**VTOL UAV**



Make your work more efficient

## Introduction

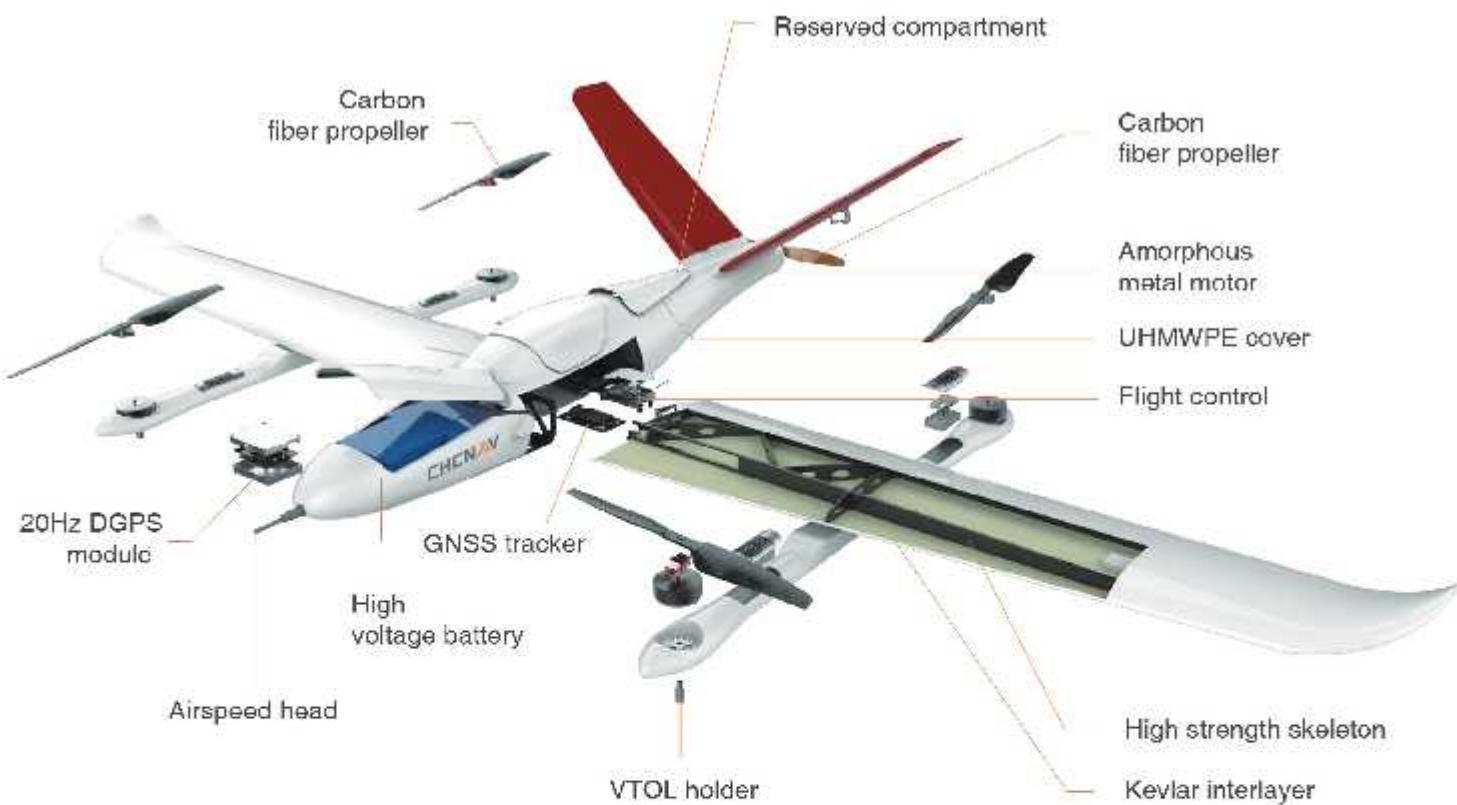
# P330

Ready to fly

P330 is the latest vertical take-off and landing unmanned aircraft from CHC Navigation. The P330 is constructed using strong and durable materials and has unique modular design which makes it easy to transport, assemble and disassemble.

The proven aerodynamic design and integrated IMU guarantee stable flight capabilities, while the high voltage battery allows for 150 minutes of flight time (without payload). Equipped with a RTK/PPK module and magnetic compass, the P330 delivers a reliable, high accuracy positioning and orientation (POS) data.

The P330 is compatible with different payloads (orthophoto camera, oblique camera) for different applications. Multi-platform ground control software ensures the safety flight for emergency cases, such as low battery, loss of data link or GNSS satellites.



# Key Features

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## Unmanned Aerial System



### Long Endurance

120 mins working endurance



### Modular Design

Easy for transportation,  
assembly and disassembly



### Compass

Dual-internal magnetic compass  
one external magnetic compass



### High Accuracy

RTK/PPK for high accuracy  
take off and landing



### Multifunctional

Multifunctional ground  
control software



3D Models



Digital Line Graphs



Digital Elevation Models



Digital Orthophoto Maps

# Specifications

UAV Specifications		Ground Control System	
GPS	L1, L2	Work Mode	PPK/RTK
BeiDou	B1, B2	Material	Magnesium alloy
GLONASS	L1, L2	Operation time	8h
Maximum payload	1.5kg	Initialization time	5 s
Takeoff & landing mode	Fully automatic VTOL	Initialization reliability	>99.99%
Flight dynamics	Electric	Swapable dual batteries	Yes
Numbers of Propeller	4 + 1	Batteries life	6800 mAh
Maximum range	150 km	Orthophoto camera parameters	
Cruising speed	75 km/h (21m/s)	Camera dimensions	128.9×95.7×60.3 mm
Battery life	150 min (Maximum)	Overall camera weight	582g
Takoff	Wt. gril: 13kg (Maximum) Flight: 100 m (Vertical)	Sensor size	35.9'24 mm (Full Frame)
Working area	20 km <sup>2</sup> (1:1000)	Total camera pixel	42.4 MP
Material	Carbon fiber Kevlar composite	Current exposure mode	Auto/P/A/S/M
WING SPAN	2500 mm	Self-timer	2s/5s/10s/Off
Fuselage Length	1220 mm	Total memory capacity	128 G
Packing box size	1280'410'510mm		
RTK	H: 1cm+1ppm V: 2cm+1ppm <sup>2</sup>		
Altitude Accuracy	Roll: ±3° Pitching: ±4° Yaw: ±3° (No wind)		
Wind resistance	Level 6		
Practical ceiling	5000m		
Operating temperature	-20A -50A		
Modular design	Yes		
Toolless disassembly	Yes		
Accelerometer	Yes		
Gyroscope	Yes		
Magnetic sensor	Yes		
Carrier	Orthophoto camera, Oblique camera(Optional)		



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