UAVSale

SY-450H Coaxial Unmanned Helicopter

MD-P00541 · md-sy-450h-coaxial-unmanned-helicopter

SY-450H is a large coaxial helicopter product independently designed by our company, with a take-off weight of 450 kg. This model adopts a coaxial double-layer rotor design, which reduces the length of the aircraft for easy transportation; adopts a 115-horsepower turbocharged engine, which solves th

TECHNICAL SPECIFICATIONS

Arithmetic processing unit	Redundant dual processor design /
Inertial Measurement Unit	Attitude measurement accuracy: 0.2 (static)/0.3 (dynamic state), /
GPS	Industrial Grade Dual Frequency GPS Receiver Professional aviation antenna / Trimble/NOVATEL GPS receiver
Position measurement accuracy	3m PCTEL aerial antenna (USA)
Supports differential GPS signal input	Centimeter-level differential accuracy (optional equipment)
Expandable port	PWM port 3-channel PWM input 3-channel PWM output / PWM input can be used to collect engine speed temperature, etc., The PWM output can be used to control user equipment such as: Spray control, PTZ control, etc.
3 RS-232 serial ports	It can be used for flight control and mission equipment application control for digital Data interaction and integration (development and customization)
Flight attitude control smoothness	Pitch angle stability: <2 degrees /
Track control accuracy	Position hovering accuracy: <1m (horizontal) 2.0m (vertical) /
Barometer	Measurement accuracy: 20 cm /
Wireless data link	Frequency: 840MHz, Frequency Hopping Spread Spectrum /
Line-of-sight communication distance: >15 kilometers	Beijing measured 1000 meters relative altitude 35 kilometers
Wide voltage power supply	7v-17v /
Weight	980 g / Includes two GPS antennas
Dimensions	130 106 56mm /
Operating temperature	-25 to +85 C /
Length	4.2 m
Height	2.1 m
Rotor diameter	5.5 m
Number of paddle blades	2 2

Empty weight	250 kg
Load capacity	190 kg (including fuel)
Maximum take-off weight	450 kg
Engine	115 Hp turbocharged water-cooled aero-engine
Cruising speed	100 km/h
Endurance time	4 hours (standard fuel tank, load 115 kg)
Fuel	95# gasoline
Start mode	remote control electric start
Practical ceiling	4000 m
Autonomous functions	autonomous take-off and landing, fixed-point hovering and waypoint flight
Route accuracy	1 m
Communication mode	wireless microwave/satellite communication (optional)
Attitude measurement accuracy	0.2 (static)/0.3 (dynamic state),
Accelerometer	5g,
Gyro	450 /s
Measurement data update frequency	10Hz
Dual GPS antenna heading angle measurement accuracy	1
Measurement accuracy	20 cm
Frequency	840MHz, Frequency Hopping Spread Spectrum
Transmit power	1W

CERTIFICATION

Certification status is confirmed per order and is not published in the catalogue listing. Request the current declaration, test reports or conformity certificates from our sourcing team.

ORDERING INFORMATION

Model	SY-450H Coaxial Unmanned Helicopter
Part number	MD-P00541
Lead time	30 days
Minimum order	1 unit

Supply	made_to_order

Generated from the UAVSale product catalogue. Figures are manufacturer-supplied and subject to configuration. For the current revision and full documentation set, contact our sourcing team.