

创新推动行业变革

INNOVATION PROMOTES INDUSTRY REFORM

植保专用无人机





Company Profile

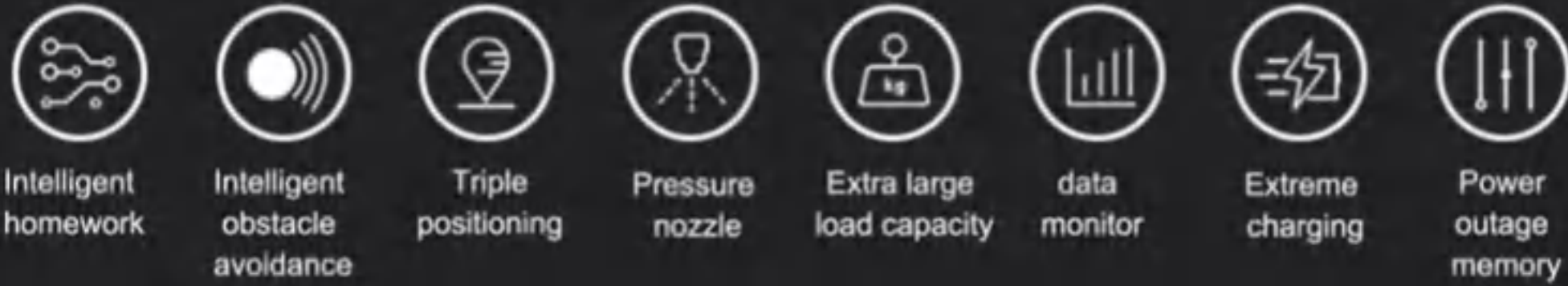
Shaoxing Qimao Technology Co., Ltd., established in 2010, is a high-tech enterprise that integrates research and development, production, sales, and service. Located in Shaoxing City, Zhejiang Province, the company specializes in the field of drone data collection and application, providing customers with advanced drone solutions and customized services. The company's business scope mainly includes:

1. Drone data collection: The company possesses an independently developed drone data collection system that can be widely used in various fields such as agriculture, forestry, geology, environmental protection, transportation, and security. By equipping drones with high-definition cameras, multispectral cameras, lidar, and other devices, the system can achieve efficient and precise data collection.
2. Drone data processing and analysis: Qimao Technology has strong data processing and analysis capabilities, providing customers with drone data processing, analysis, and visualization services. Through advanced data processing technology and artificial intelligence algorithms, the company helps customers extract data value and provides strong support for decision-making.
3. Drone industry solutions: The company provides customized drone industry solutions for different industry needs, such as agricultural plant protection drones, forestry monitoring drones, geological survey drones, environmental monitoring drones, etc., helping customers improve work efficiency and reduce costs.
4. Drone rental and training: Qimao Technology provides drone rental services to meet customers' short-term or temporary needs. At the same time, the company also provides drone operation training to help customers master drone operation skills and ensure safe and efficient completion of work tasks.

Adhering to the business philosophy of "innovation, professionalism, and win-win", Shaoxing Qimao Technology Co., Ltd. is committed to providing customers with high-quality and efficient drone data collection and application services. The company has an experienced and skilled research and development team and maintains close cooperation with many well-known enterprises and scientific research institutions to continuously promote the development and application innovation of drone technology.

Qimao 8-axis 72 liters Plant protection drones

The Qimao 8-axis 72L (water mist machine) agricultural drone adopts a split platform design, integrating intelligent surveying, efficient sowing, and precise spraying, consolidating strong performance and reliable quality, and paving the way for smart agriculture in the factory.



Flight platform configuration parameters

Product Name: XLP-872

Product wheelbase: 2890mm

Product weight: 51kg

Folding size: 1050 * 900 * 2000mm

Product size: 3920 * 3920 * 850mm

Flight control system: Boying Flight Control

Working voltage: 145

Power system: Haoying X11MAX power package

Maximum pressure: 1MPa

Drug volume: 72L

Maximum takeoff weight: 200KG

Spray width: 8-20M

Flight distance: 2-3KM

Flight time: 15-20 minutes

Homework efficiency: 8-10/minute

Battery: 14s 42000mah

Charging time: 15-20 minutes

Spray flow rate: 8L/MIN (single water pump)

Function:

1. Android mobile ground station, convenient to use/PC ground station, full voice broadcasting
2. Support route planning, fully autonomous flight operations, and support AB point operations
3. Supports one click takeoff and landing without manual intervention, improving safety
4. Intermittent spraying, no medicine, low battery return
5. Dosage detection, can set automatic recording breakpoint for returning without medication
6. Battery detection, can set low battery to automatically record breakpoints and return home
7. Fence function, log storage function, road locking function, no fly zone function
8. Vibration protection, star loss protection, and medication interruption protection
9. Motor sequence detection function, direction detection function

Daily work efficiency 2000-2500 acres

Power system

Haoying X11MAX power system

Ultra Guard Fearless of wind, sand, and rain

The electric regulator adopts a fully sealed inverted design, achieving IPX7 protection level locally, effectively resisting pesticide corrosion, dust, sand and other external damage, simple cleaning, and immediate rejuvenation.

Dynamic system

Haoying X11MAX power

Rapid cooling

Anti collision structure design

Continuing the excellent heat dissipation structure, for high-power loads, the motor rotor expands the fan hot air duct to improve the motor torque coefficient and reduce the current and heat load under the same tensile force combination. The anti impact design at the tail end of the motor seat can absorb the impact force.

Protect the motor and electrical regulator to reduce

damage to power components caused by malfunctions and crashes



Aviation Lamp Language

- 1. When adding power failure, the navigation lights will flash and display*
- 2. Immediately remind users of specific fault states*
- 3. Timely detection and confirmation of issues*
- 4. Timely troubleshooting and safe flight*

High lift, high-efficiency propellers

The high-strength special carbon fiber material propeller is made of high-strength special carbon fiber material injection molded into a sturdy and lightweight propeller body, with good consistency and superior dynamic balance characteristics. The aerodynamic shape optimized by aerodynamics experts, combined with the specially optimized motor electromagnetic design for the propeller, and the efficient FOC (Field Oriented Control, commonly known as Sine Wave Drive) algorithm, give the entire power system advantages in lift and force efficiency.



Equipped with Yunzhuo H12 LCD remote control

The H12 series adopts a brand new Qualcomm processor, equipped with an Android embedded system, advanced SDR technology, and super protocol stack. Make the image clearer, eat lower, distance farther, and have stronger anti-interference ability. It can be applied to 50-60 drones, robots, industrial control equipment, etc. Supports SIM/digital camera, serial port, S Rich interfaces such as BUS. Plant protection FPV security, fire protection, electricity, surveying robots, border defense, etc. can all be handled with ease, such as on-site performance. Using waterproof, dustproof, and anti drop materials and structures, ensuring not only good hand feel but also durability!

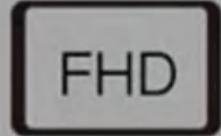





Remote control parameters

| | | | |
|----------------|--|---------------------|--------------------|
| Product model: | H12 | Number of channels: | 12 |
| Work Jade: | 4.2V | Emission power: | 20DB@CE / 23DB@FCC |
| Paragraph: | 2.400-2.483GHz | Jump: | New FHSS Jump |
| Upgrade: | Online APP upgrade | Weight: | 530g |
| Size: | 190 * 152 * 94mm | Pool: | 10000mA/H |
| Flight time: | 6-20 hours | Charging interface: | TYPE-C |
| Using: | Straight aircraft, fixed wing, multi rotor, vehicle and ship | | |

Receiver parameters

| | | | |
|----------------|----------------|---------------------|---------|
| Product model: | R12 | Number of channels: | 12 |
| Work Jade: | 4.5-5.5V | Workflow: | 14mA@5V |
| Size: | 51 * 41 * 12mm | Weight: | 14g |



| | | |
|---|--|--|
|  <p>Ultra high definition 1920 * 1080 1000nits 5.5-inch high brightness display screen</p> |  <p>FHSS technical dog full angle gain day, measuring pulling distance of 5-30 kilometers</p> |  <p>10000mAh pool, 6-20 hours</p> |
|  <p>Super strong stretchability Super user-friendly S. Multiple interfaces for BUS/PPM/PWM/serial port</p> |  <p>Provide SDK and documentation</p> |  <p>Android series for drones</p> |

Product quasi configuration



1 plant protection drone



1 high-definition image transmission camera remote



One dual channel intelligent fast charging charger



2 smart lithium batteries



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