

YFM-M12L Multi-rotor plant protection UAV

The perfect combination of industrial design and plant protection application



Product Parameter:

Appearance dimensions: 1045 * 1045 * 556MM

Medicine cabinet capacity: 12L

Operation efficiency: 70-90 mu / H

Operation spray amplitude: 4M

Operation mode: fully autonomous / dynamic AB point / manual

Support for cloud data platform management

Support for Android phone APP operation

M12 cost-effective medicine artifact product introduction



YFM's new intelligent plant protection UAV M12 was launched, attracting the attention of people from all walks of life. This fully intelligent plant protection UAV not only leads the industry in design and function, but also marks the opening of a new era for YFM in the field of agricultural uav.

Industry original, so that folding faster more space



M12 is an industrial four-rotor plant protection uav. It abandons the traditional quadrotor plant protection "X" and "+" uav, introduces the symmetrical modeling elements of the left and right half rings, and gives the new agricultural uav a sense of science and technology.

At the beginning of the design, the M12 considered the rigid strength, maintenance requirements and the complex environment of the actual operation of the arm. Later, only two folding mechanisms were selected, which not only folded the arm at second speed, saved space, but also improved the resistance of falling to a height.

Replacing the battery in 2 seconds can save you a lot of things



Battery replacement is a problem for many pilots. Most of the plant protection drones on the market need to install the battery on the plane first, and then tie it with a Velcro binding band, and then connect the plug on. This way is more difficult and time-consuming.

The M12 smart battery adopts vertical plug and plug installation, and the connected plug of the battery and the body is connected at the same time when the battery is inserted to the end. This design can install the battery and the plug in one step, and as long as the simple lifting, according to the action can be completed, greatly improving the efficiency of battery replacement.

Add 2 kilograms, dry 60 mu a day



The standard load of M12 design is 12 kg, and the large load can reach 13.6 kg. Compared with the general 10 kg load on the market, it can operate 10 mu more land in one hour, dry 60 mu more in a day, and improve the operation efficiency by more than 20%.

Modularity, quick repair and low cost



M12 complete machine is mainly divided into 7 modules: power battery, hood, fuselage frame, liquid liquid tank, tripod, arm, nozzle, in order to facilitate daily disassembly and maintenance, modular design and

maintenance cost is low.

Scaffolding, motor protection cover, care is not only about the details



① Shock-proof cotton scaffolding

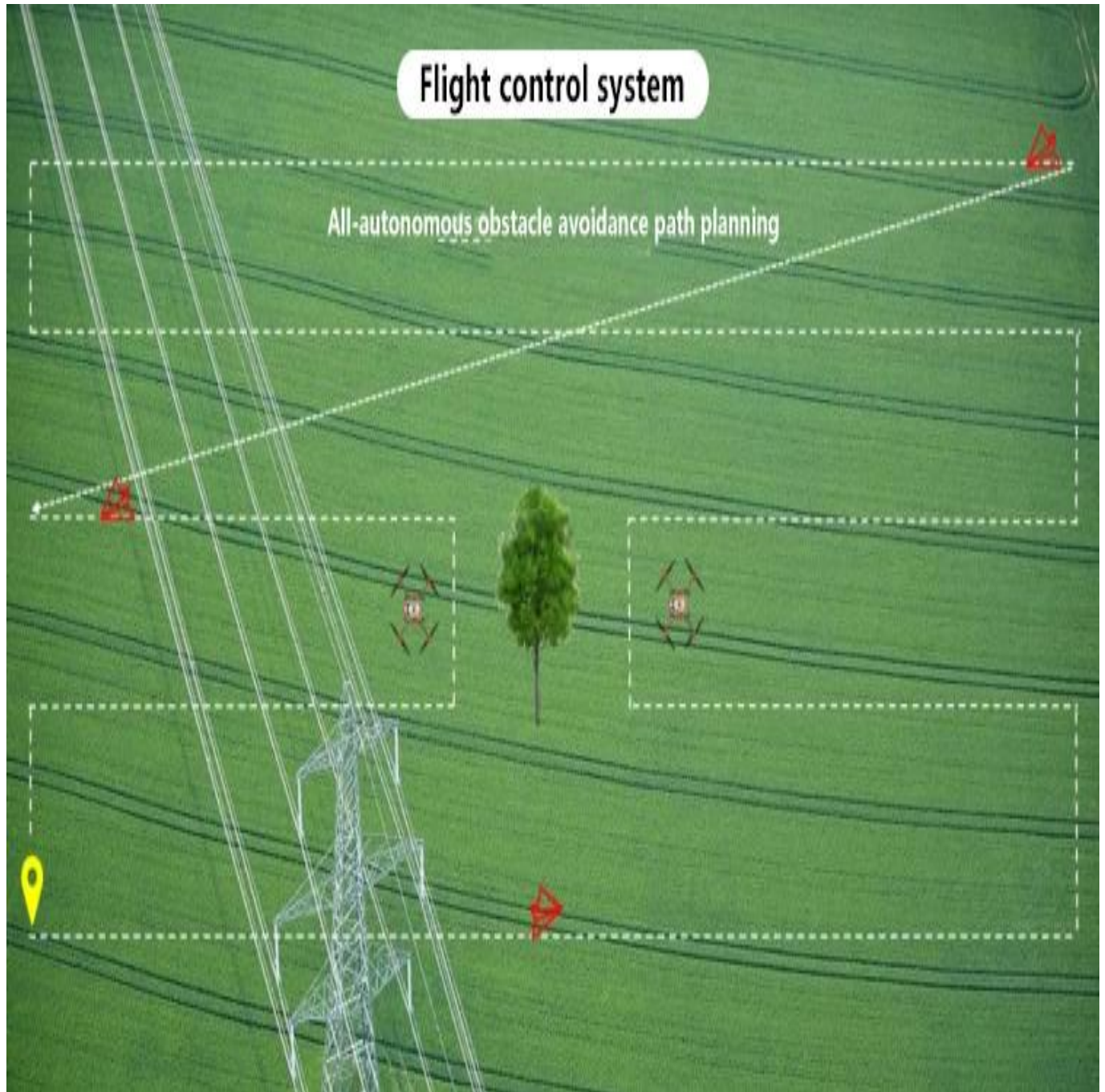


② Motor anti-collision cover

Every detail of the M12 is designed to be close to the user's actual job scenario. The M12 tripod adds high-quality cushioning and shock absorption cotton, which not only slows down the scaffolding impact of the aircraft landing, but also increases the ground adsorption force during the scaffold landing, making the aircraft take-off and landing more stable.

Moreover, each motor of the M12 is equipped with a special motor protection cover, which greatly reduces the risk of motor failure. Not only that, the M12 has more intimate details waiting for you to find out oh!

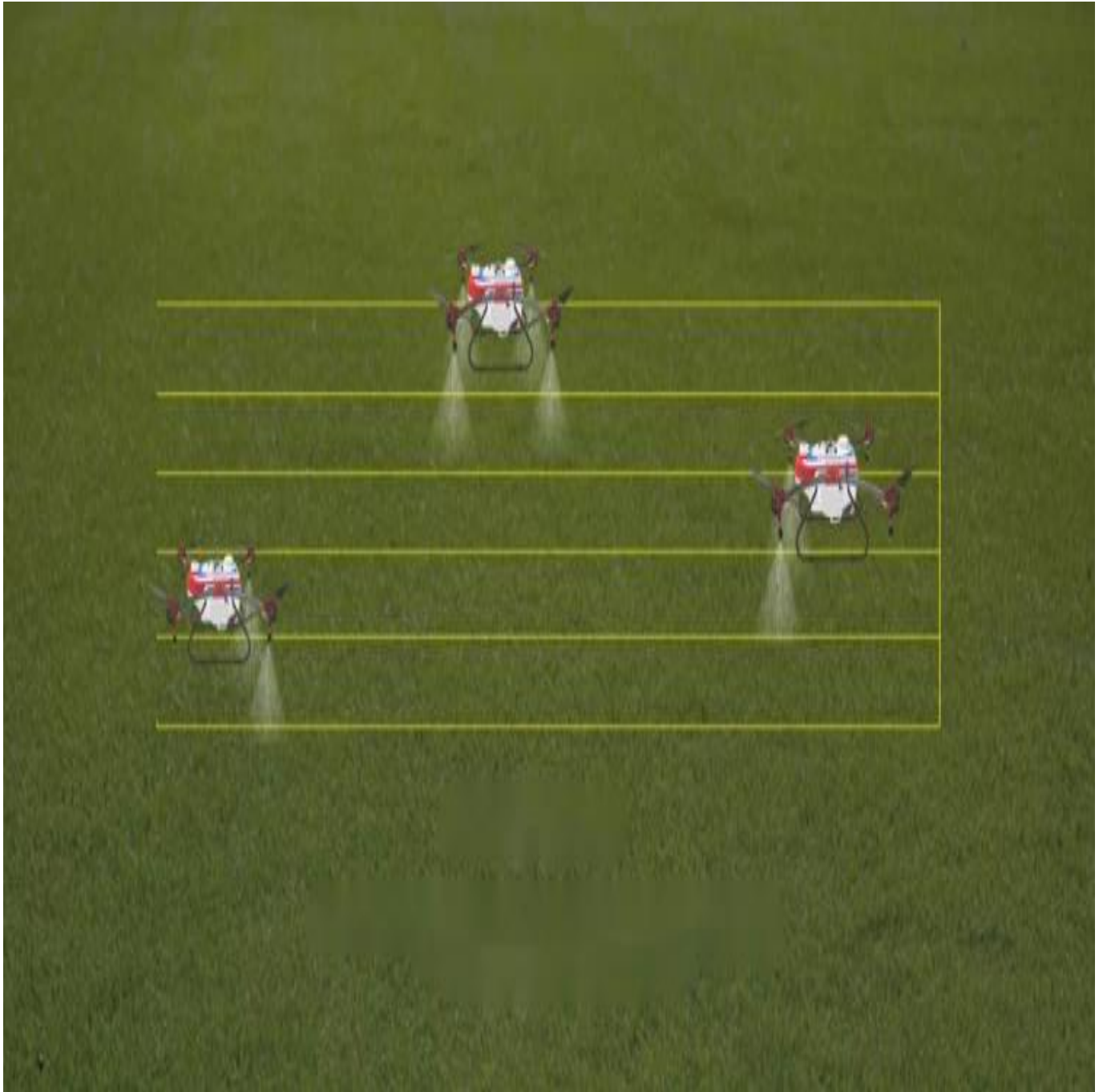
Fully intelligent, not only high appearance level is more powerful



M12 integrates the industry advanced flight control system, implements the full automation, just in the smartphone terminal planning route, preset flight parameters, spraying tasks, aircraft can schedule autonomous flight, spraying and obstacle avoidance, in addition, also have dynamic AB point operation mode and GPS steady manual operation mode, meet the needs of different working environment.

More intelligent features

Three spraying modes of front and rear spray and strong spray can respond to different crop spraying requirements



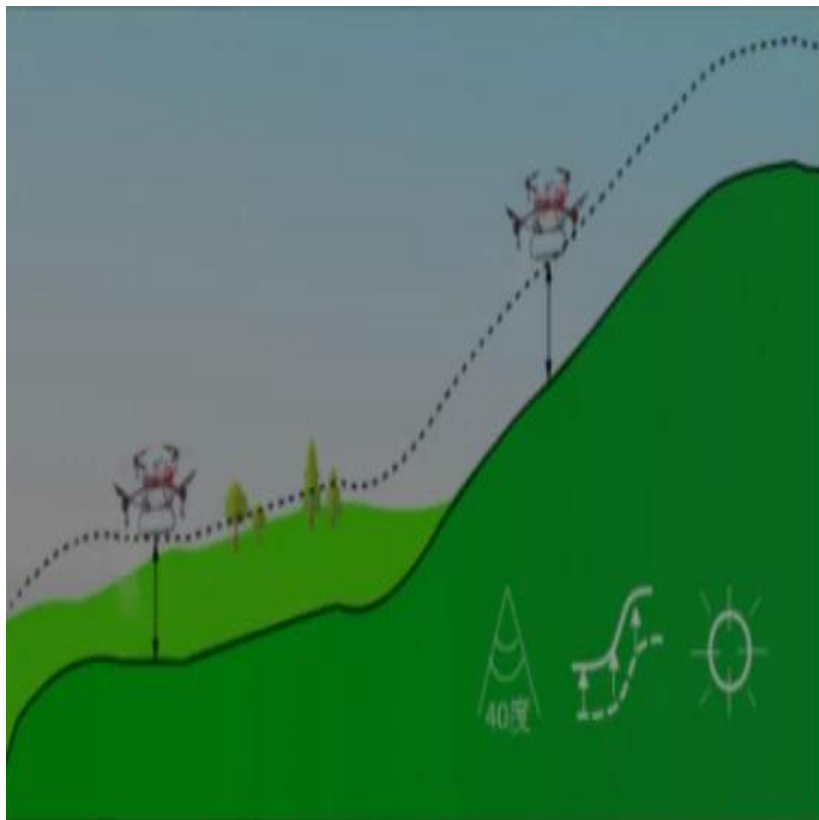
U-type ridge replacement, turning without stop, the operation efficiency increased by 25%



Network RTK and base station RTK, centimeter-level positioning system solution



New millimeter wave radar imitation, adapted to all terrain



Agricultural service platform to help with efficient plant protection operations



Support one station multiple aircraft, night flight operation



Please feel free to contact us if you are interested in this product.