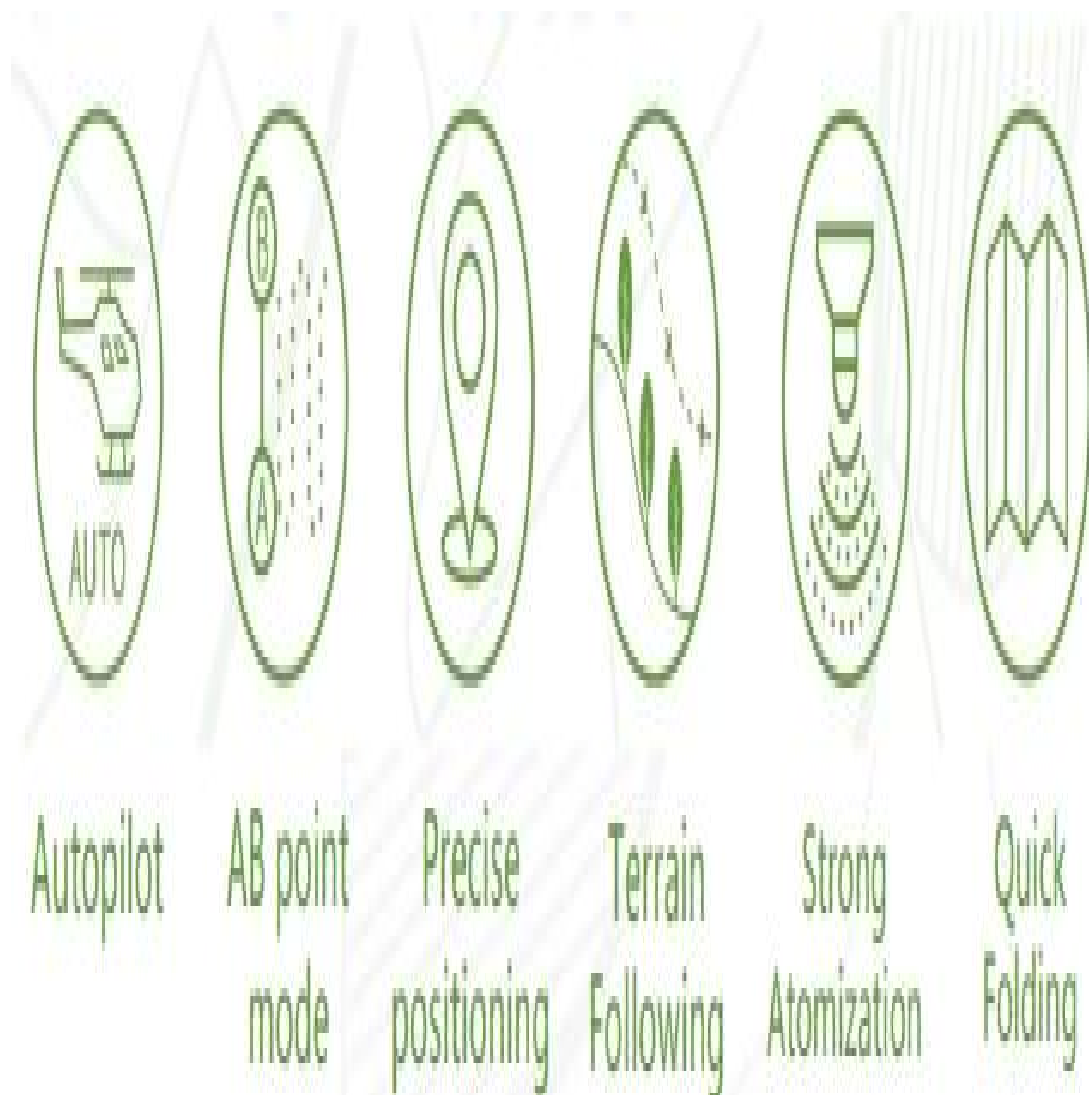


## YFM-M16L Multi-rotor plant protection UAV

"Big" show skill, larger load and more efficient plant protection machine





The M16 is a multirotor plant protection machine with a load of 16 kg. This intelligent UAV, designed to uphold the convenience of the M12, is optimized in the payload and spray amplitude, and is a more efficient, more powerful spraying plant protection aircraft.

### Product Parameter:

Appearance size	1125*1162*531MM
Folding size	1125*650*510MM
Box capacity	16KG
endurance	20-28min
working performance	18 Acres / hour
operative mode	Fully autonomous / dynamic AB point / manual stabilization
Support for the cloud data management platform	
Support for Android phone APP operation	



**Industry original, so that folding faster more space**



The M16 adheres to the M12 convenience design, one-click innovative C-type folding arm, using carbon



fiber composite material integrated molding molding, seamless connection, convenient folding and increase the strength of the arm, its strength is 1.5 times that of ordinary carbon fiber.

## **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.

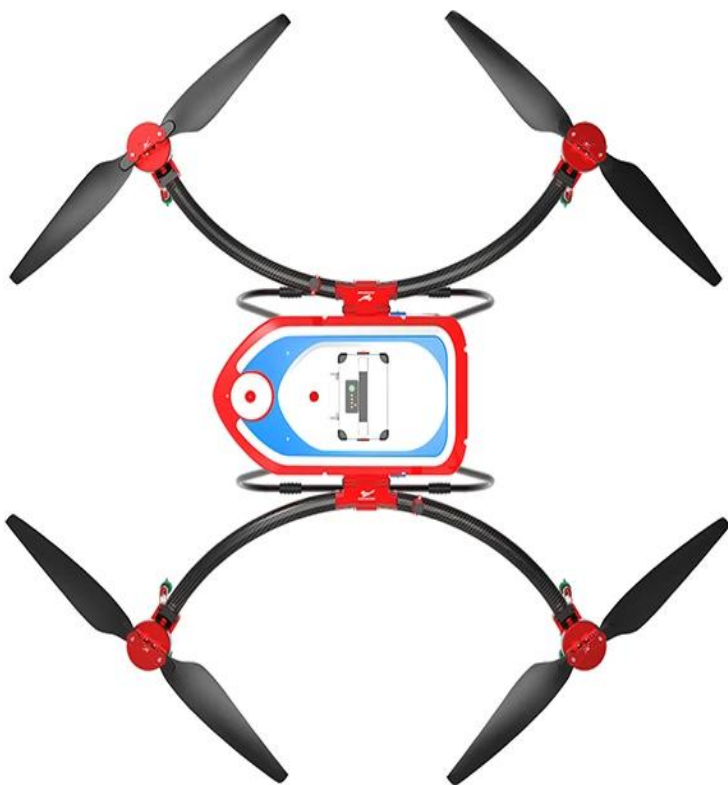
The M16 smart battery adopts vertical plug and plug installation, and the connected plug of the battery and the body is connected at the same time when the battery is inserted to the end. This design can install the battery and the plug in one step, and as long as the simple lifting, according to the action can be completed, greatly improving the efficiency of battery replacement.

## **Modularity, quick repair and low cost**



M16 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.

### **Fully closed structure, more solid than you think**



In the design of M16 and M12, fully considering the complexity of the operating environment, we simplify the fuselage structure as far as possible. The main body of the fuselage is fully closed structure,

waterproof and dust-proof, pesticide corrosion prevention, and the skin resistance of the fuselage is also greatly improved.

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



① Shock-proof cotton scaffolding



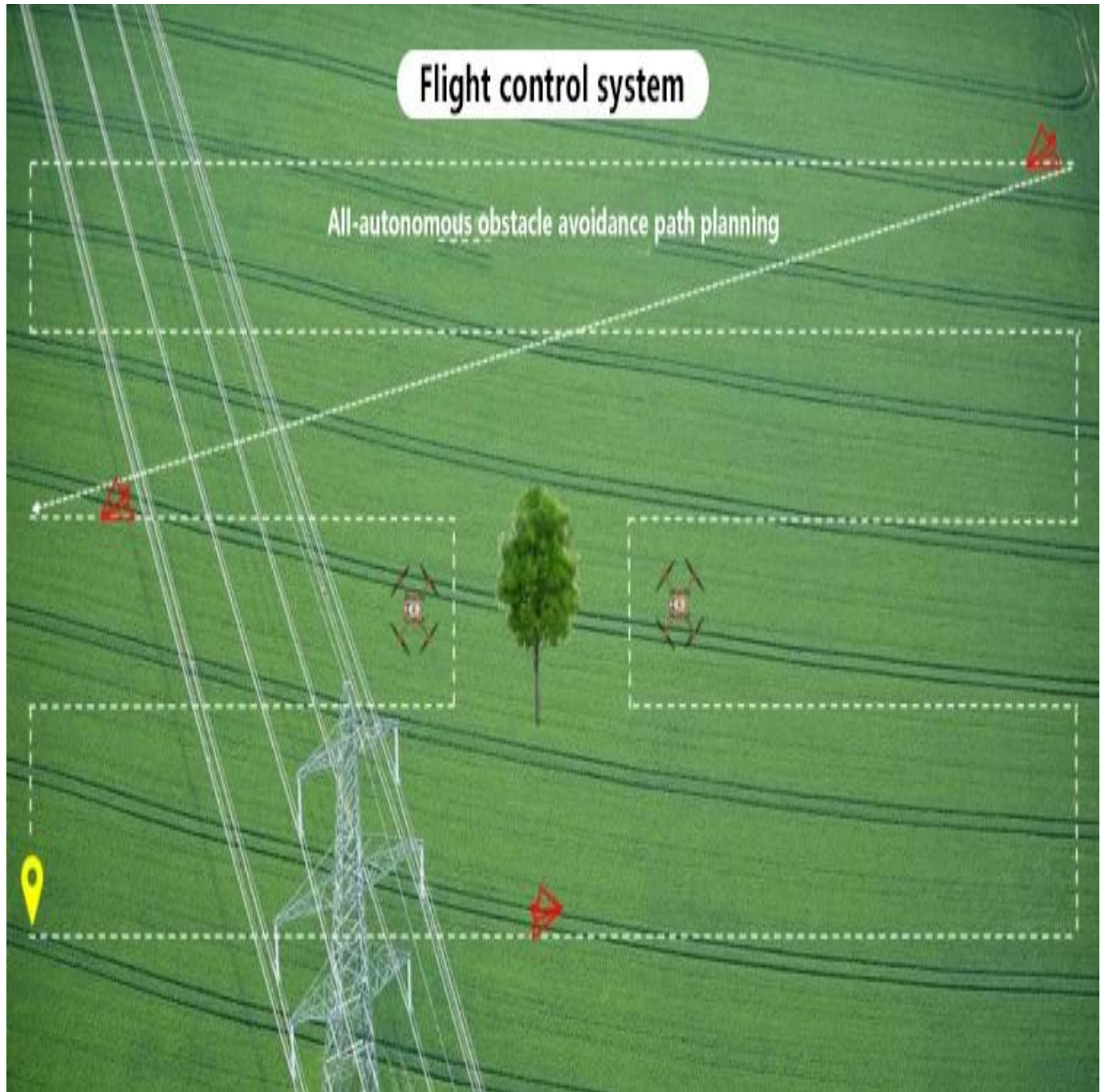
② Motor anti-collision cover



Every detail of the M16 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 of the scaffold landing, making the aircraft take-off and landing more stable.

Moreover, each motor of the M16 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!

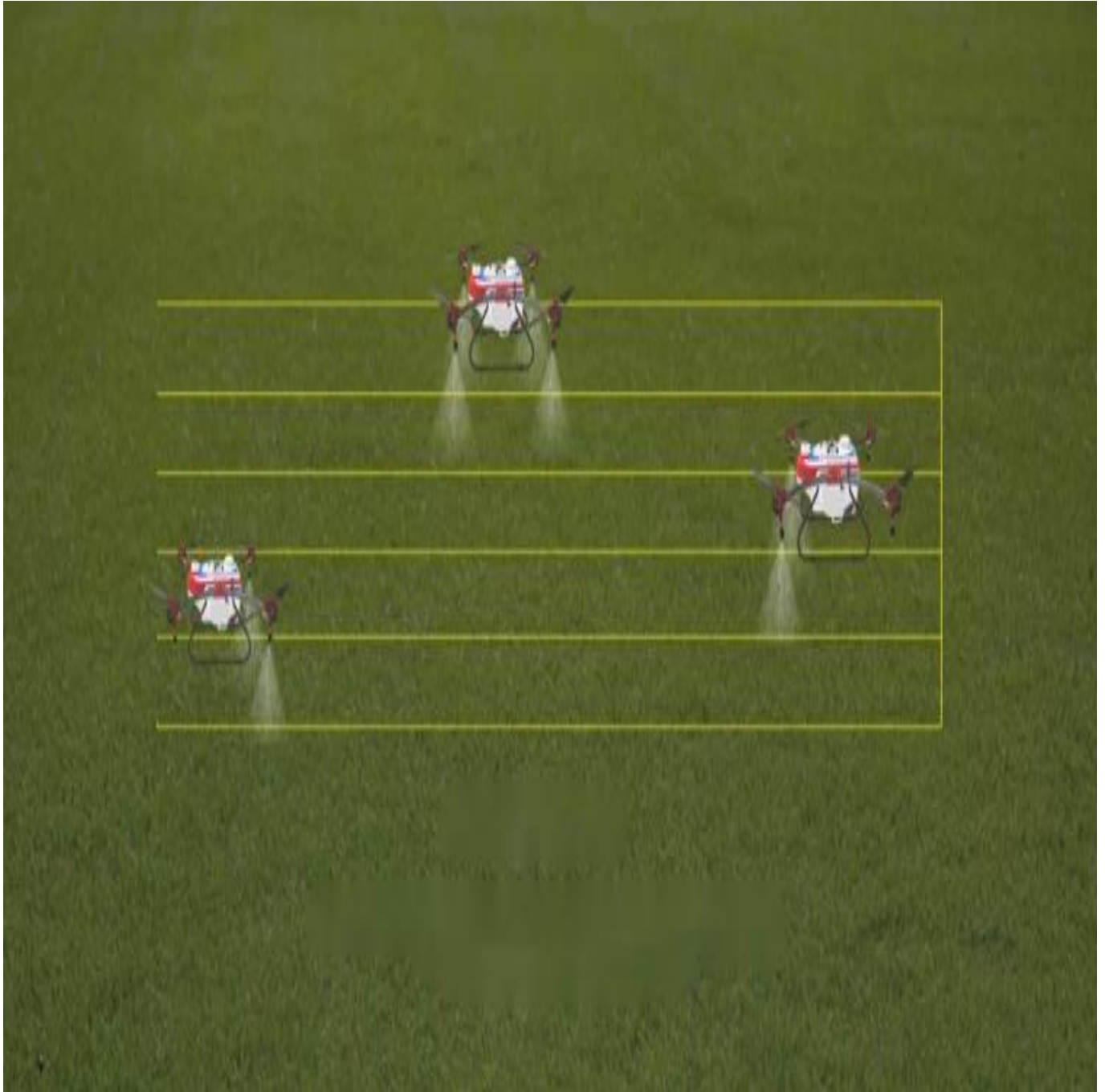
## **Fully intelligent, not only high appearance level is more powerful**



M16 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 according to the scheduled route 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%**

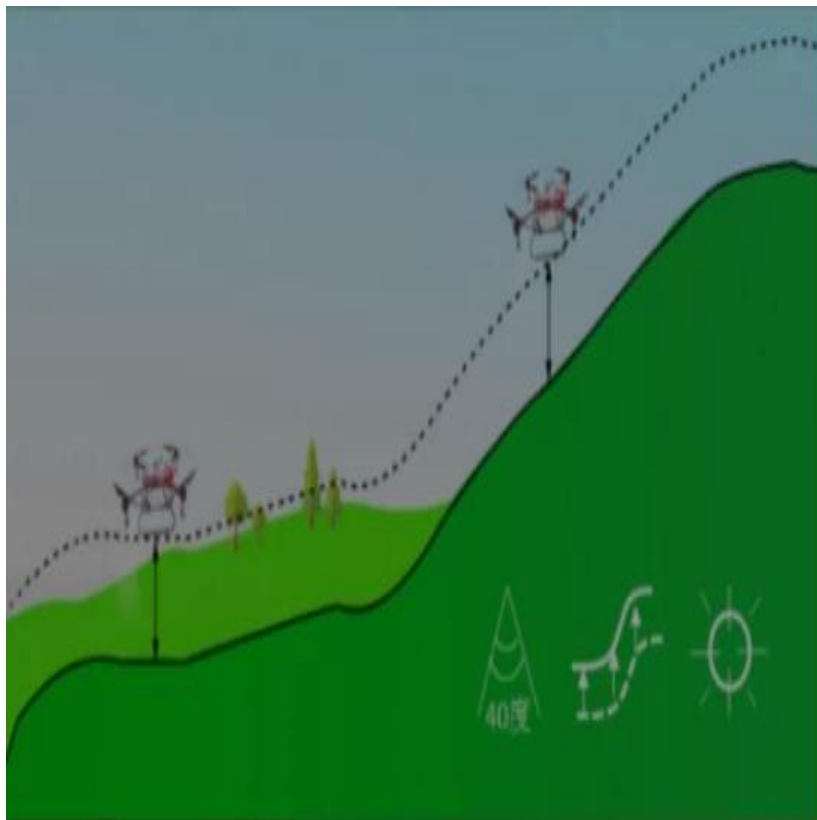




Network RTK and base station RTK, centimeter-level positioning system solution



New millimeter-wave radar imitation, adapted to all terrain



Agricultural service platform to help with efficient plant protection operations



Highlight the LED night navigation lights to support the night operation



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