



Crop Protection Solutions

# Intelligent Agricultural Drone

# M12



YHS Trading ■ BM Agriculture  
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# M12

## Intelligent Agricultural Spray Drone (UAV)



### Auto-Pilot / Manual Mode

The M12 drone can work in the field in auto-pilot mode, utilizing advanced software. It can also be controlled manually by the radio controller.



### Smart Spraying System

The two front and two rear nozzles can work independently. The flow rate is auto-adjusted and adapts to the flying speed of the M12.



### Avoiding Obstacles en Route

Pre-set flying routes take into consideration obstacles like tall trees or structures to avoid accidents. The M12 can then fly safely on auto-pilot. The controller can also execute manual maneuvers to avoid hitting obstacles.



### Terrain Following Radar

A built-in radar sensor ensures the M12 will fly at a specific height above the crops, even with an uneven field contour.



### Pre-Programmed Spray Volume

Fields can have pre-programmed coordinates and flight directions for a complete spraying route, avoiding over-lapping and over-spraying.



### Real Time Kinematic (RTK) Precision Coordinates

Centimeter-level, precise location system guarantees the route flown to the highest accuracy. (optional)

### Intelligent A-B Point Mode

All parameters of the field to be sprayed can be pinpointed and entered into the system to record a flight path for precision spraying.



### IP56 Waterproof and Dustproof

The M12 is protected from normal water and dust exposure during use. It is advisable to avoid flying in rainy weather and to keep the unit covered when not in use.



### Night Operation

The M12 has LED lighting and smart navigation system for worry-free, night time operation.



### Plug and Play Battery

The lithium rechargeable battery with light indicator can be installed or replaced in only a few seconds time.



### Intelligent Drone

The M12 will faithfully execute its pre-programming, self-calculating area, speed, spray volume, obstacle avoidance, irregular slope and perimeter of field.



### Cloud Management Platform

A PC web-based system and mobile app provide real-time management of all your fields and farms.



## Accessories:



RTK Station



Remote Control  
2.4GHz



16000mAh  
Intelligent Battery



Balanced Charger  
(2 ports)



Charger Mate  
(5 ports)



## Specifications:

Tank Capacity:	12L
Unfolded Size:	1696*1696*536mm
Spray Width:	4m
Recommend Operational Height:	2.5m
Flow Rate:	1.6L-3.2L/minute
Efficiency (Single Flight):	0.8Ha
Operational Efficiency:	30-40Ha/day

