

# HID580 AGRICULTURAL DRONE

Excellent assistant for agricultural production



**300KG/Min**

Winch Spreading System

**350A**

High-Power ESC

**70L**

Spray Tank

**3D Omni-directional.**

Multi-Radar Matrix

**2KM**

Stable Image Transmission

**13.8M/S**

Max Speed

**100L**

Spread Tank

**40L/Min**

Max Flow

# Full-scale upgrade



## Power system

62 Inch Carbon Fiber paddle, high strength and not easy to deform. Vehicle-grade flat-wire motor with stable temperature rise and high power output efficiency. High-power ESC with 350A through-current capability, ensuring a faster response to the control signal.



## Airpilot 3.5 multifunction remote control

6-inch high brightness screen, buttons for customizable functions, built-in batteries and Expandable 2 external batteries, providing 9 hours of long time use. Brand new digital transmission module, 2KM image stable transmission, If the signal is not good, it will automatically switch to 4G mode to ensure safe and smooth operation.



## Avionics5.0 system

Avionics control: Dual IMU, Dual GNSS, Dual barometer and other multi-dimensional redundant combinations. Multi-module integration, IP67 protection level.



## Energy system

18S 30000mah smart battery with grill design, larger heat dissipation heat area and excellent temperature control. During flight, the front battery dissipates heat through air flow to dissipate heat in real time. The VoltSmart 4.6 smart charger has a built-in high-speed fan to dissipate heat instantly.



## Sensing system

FPV: Virtual gimbal 120° ultra-wide-angle lens, Select the corresponding angle screen on demand, Clear and stable image transmission. With dual 75W high-bright searchlights, the field of view is still clear at night. Multi-radar matrix builds 3D space omni-directional sensing, the maximum sensing distance reaches 70 meters, High performance in obstacle avoidance and terrain following.



## Software function

Autonomous operation with full functions: Support intelligent direction of one key to sweep the edge, One-sided spraying Intelligent continue operation, Spray empty prediction, Multi-plot operation, Circular operation, Prescription map and other functions to improve the accuracy of detailed operation.

# Optional equipment



• Rtk mobile station



• Generator



• 4 nozzle kit



• Spread tank

# Parameters

Arm unfolded size	3305* 3577* 850mm
Arm folded size	1270 * 880 * 880mm
Maximum takeoff weight	Spray 140kg / spread 150kg
Tank capacity	70L
Maximum spray width	12m (altitude 3.5m ± 0.5m speed 5 m/s)
Atomization size	Centrifugal nozzle 50um~500um
Pump type	Magnetic impeller pump*2

Max flow	Two nozzles 30L/min four nozzles 40L/min
Spread tank	100L
Max load	80kg
Feeding method	Auger
Particle diameter supported	0.5~10mm dry solid particles
Spread width	4~10m
Max feeding quantity	300kg/min

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