

HD 580 AGRICULTURAL DRONE

Excellent assistant for agricultural production



18.5 Gal
Spray Tank

10.5 G/Min
Max Flow

30 MPH
Max Speed

**3D Omni-directional
Radar**

26 Gal
Dry Spread Tank

661 lbs/Min
Auger Spreading

350A
High-Power ESC

1.2 Mile
Stable Image
Transmission



Full-scale upgrade



Power system

62 Inch Carbon Fiber paddle, high strength and not easy to deform. Vehicle-grade at-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.



Energy system

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



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.



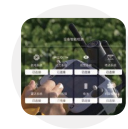
Sensing system

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.



Avionics5.0 system

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



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	130* 141* 33 inches	Max ow	Two nozzles 7.9 G/min four nozzles 10.5 G/min
Arm folded size	50 * 37 * 37 inches	Spread tank	100L (Dry)
Maximum takeoff weight	Spray 308 lb / spread 330 lb	Max load	176 lbs
Tank capacity	18.5 G	Feeding method	Auger
Maximum spray width	39 ft (altitude 3.5m ± 0.5m speed 5 m/s)	Particle diameter supported	0.5~10mm dry solid particles
Atomization size	Centrifugal nozzle 50um~500um	Spread width	13 ft~32 ft
Pump type	Magnetic impeller pump*2	Max feeding quantity	661 lbs/min

