

 **SWAN**
Agriculture Drone
540S



40L

Spraying

60L

Spreading



Centrifugal
Nozzles



Rotating Obstacle
Avoidance Radar



Front FPV Camera

RTK

Support RTK
Base Station

Agriculture Drone

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Battery



Charger



Remote



Mapping Device



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SWAN DRONE PARAMETER

Name of product	Swan Drone
architecture layout	Six axis layout
weight of machine	48 Kg (Including battery, water tank, spreading)
Dimension	2028 x 1922 x 862 mm
Maximum length	3315 mm (propeler unfolded length)
Capacity of water tank	40 L
Capacity of spreading	60 L

SWAN DRONE FLIGHT PARAMETERS

Hovering Accuracy	RTK: Horizontal $\pm 10\text{cm}$, Vertical $\pm 10\text{cm}$ Radar: $\pm 0.1\text{m}$
Spraying Full-Load Hovering	8.5min
Spreading Full-Load Hovering	7min
No-Load Hovering	18min
Maximum Operation Efficiency	22 ha/h
Ranging Accuracy Of Ground Simulating Radar	0.1m
Fixed Height Range	1-30m
Obstacle Avoidance Perception Range	1-30m
Graphic Transmission	>1.5KM
Maximum Take-off Weight	Spray Maximum Take-Off Weight: 88kg Spreading Maximum Take-Off Weight: 95 Kg

SWAN DRONE SPRAYING SYSTEM

Nozzle Type	Centrifugal nozzle
Number Of Nozzles	4 nozzles
Max. Flow	13.5L/min
Maximum Spray Amplitude	11m

SWAN DRONE GENERATOR & BATTERY

Nominal Power	220V/8000W (direct connection to generator) 220V/2200W (direct connection to mains)
Tank Capacity	38L
Reference Fuel Consumption	500ml/kWh
Battery Weight	13.3KG
Power Battery	68.4V/30000mAh 2.1kwh
Charging Duration	Lithium battery 20%-95% about 13min

Optional Accessories



RTK BASE STATION

Support connection to ground mobile and fixed RTK Base Station centimeter-level precise positioning.



GENERATOR

38L large fuel tank, the maximum rated power is 8000W, supporting 10 hours of uninterrupted operation 220V 2300W/380V 8000W dual channel output.



SEARCHLIGHT

Support the installation of searchlights at night to make the work vision clearer Improve working time and safety.



SPREADER

60L/50kg maximum spreading capacity
Spreading up to 360kg/battery

