



FIRST DRONE

With **RTK** features



Fully autonomous high-precision operation



Obstacle avoidance radar



Quick release battery



Quick release double tank



IP65 waterproof



Dual FPV real-time monitoring



VAIMANIKA AEROSPACE

Taking a New Approach to Airspace

DRONE APPLICATION IN AGRICULTURE AND FARMING



Crop Spraying



Terrain Mapping



Livestock Monitoring



Solar Panel Inspection



Soil & Field Analysis

About Us

we are focused on drone manufacturing and solutions to optimize Drone industries for Drone-As-A-Service for sectors where drones can make a difference Like Agriculture, Security and Surveillance, Delivery drones, Transportation drone, Healthcare Sector, Construction, Telecommunication, and Event Videography drones.

Especially we are working for agriculture drone because in our country Majority of farmers spray chemicals without taking basic safety precautions and suffer from various ailments due to spraying of pesticides and Traditional Spraying System Costly, Time Consuming and Traditional spray systems waste millions of gallons of water and chemicals each year.

I request you to be a part of our journey and support our vision .

BENIFITS

-  Farmer Safety
-  Increase In Production
-  High Efficiency
-  Water Saving
-  Cost Effective For Farmers
-  Easy To Use

AGRICULTURAL Drone

Taking a New Approach to Aerospace



ORDER NOW

FEATURES

-  RTK
-  Terrain Following
-  RTK Enable
-  Obstacle Avoidance
-  Transit Point
-  Forceful Wind
-  Breakpoint Memory
-  U-Turn
-  Automatic Return Without Medicine

OUR PRODUCTS



OUR 30L
AGRICULTURE
DRONE



OUR 10L
AGRICULTURE
DRONE

**Widely Used in
Variety of Crops**



Rice



Corn



Wheat



Pulse



Vegetable



Litchi



Mango



Sugarcane



OUR 30L

AGRICULTURE DRONE

SPECIFICATION

PRODUCT PARAMETERS

Wheelbase: 1950mm

Product size: 2900×2900×780 mm (with arms extended, blades extended)

2050×1610×780mm (the arm is unfolded, the blade is folded)

1050×620×780mm (the arm is folded)

Total weight of the whole machine: (not including battery) 27.8 kg

Standard take-off weight: 38.3 kg

Maximum take-off weight: 68.3 kg

Hovering accuracy: (Good GNSS signal)

J-RTK enabled: horizontal: ±10 cm, Vertical: ±10 cm

J-RTK not enabled: horizontal ±0.6m, vertical ±0.3 m

(Radars enabled: ±0.1 m)

Battery capacity: 14S (28000mAh 51.8V)

Maximum power: 12000 W

Hovering power dissipation: 6150 W (take-off weight 48.5 kg)

Flight duration: 21.10 min (14S Smart Battery 28000 mAh battery & take-off weight: 38.3 kg)

8.30 min (14S Smart Battery 28000 mAh battery & take-off weight: 68.3 kg)

Maximum working flight speed: 7 m/s

Maximum flight speed: 10m/s

Maximum wind resistance: 8 m/s

Maximum flight altitude: 2000 m

Recommended working temperature: 0°C ~ 40°C



RTK PRECISE POSITIONING

The RTK installed on the VA30 has centimeter-level positioning capabilities, providing more accurate positioning and safety guarantees for aerial defense operations.

SYMMETRICAL WRAP AROUND FOLDING STRUCTURE

The wrap around folding structure can minimize the volume of the fuselage after folding, which is convenient for transportation and transition.



SMART BATTERY

Quick release battery





OUR 10L AGRICULTURE DRONE

SPECIFICATION

SPRAYING SYSTEM

Liquid Tank

10L

Volume

10L

Standard operation payload

10Kg

Nozzle (Model)

Single Nozzle

Nozzle Quantity

4

Maximum Spray Speed per nozzle

3L/min. (per nozzle for water)

Spray Width

2 meters (4 nozzles, 1.5m ~ 2.0m above the crops)

Spraying Capacity

Up to 8 acres/Hour.

Spray in 20 minutes

1 hectare (2.5 acres)

Spray capacity per day (8 hours)

30 Acres with multiple battery sets



PROPULSION

Motor

Hobby wing motor

Stator Size

81 x20 mm

KV Rating

Max Power

770W

Weight

750g

High Thrust & Efficiency
Propeller





Special function



Full voice broadcast



Support route planning



One Button take-off and landing



Low battery automatic return



Automatic return without medicine



Height control radar



Log storage function



Vibration protection



Direction detection function



Camera function



Dual pump mode



Obstacle avoidance function



Stable flight



Lock function



Spread function



RTK positioning function



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