



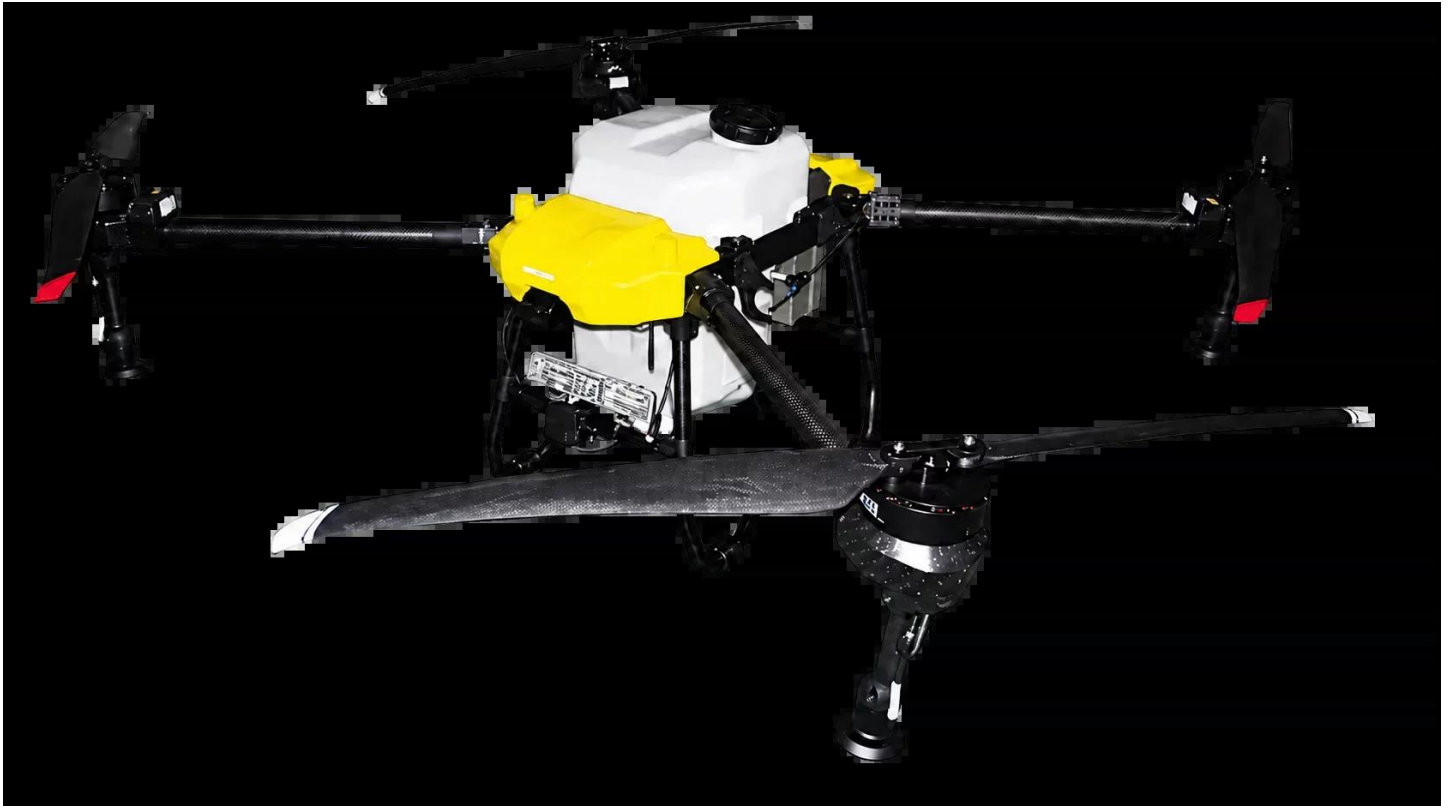
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Digima JT50L Agricultural Drone | 50 L Spray | 80 L Fertiliser





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Main Drone Image

Professional Digima JT50L agricultural drone | 50 L Spray | 80 L Fertiliser for spraying, fertiliser spreading and automated operation.

Agricultural Drone for Spraying and Spreading

Digima JT50L Agricultural Drone | 50 L Spray | 80 L Fertiliser

Professional 50 L Drone for Spraying and Spreading over Large Areas

Digima JT50L Agricultural Drone | 50 L Spray | 80 L Fertiliser is a professional agricultural drone designed for spraying and spreading granular materials. The model features a spray tank as well as a high-capacity fertiliser-spreading system and a design based on **4 arms and 4 propellers**.

The drone is suitable for farms, orchards, plantations and companies providing agricultural services. A spray width of **over 10 m**, a spray flow rate of **20 L/min** and a capacity of **18–20 ha/h** enable efficient treatment of large areas.

Larger Tank, Higher Flow Rate and Even Greater Productivity.

The Digima JT50L Agricultural Drone | 50 L Spray | 80 L Fertiliser combines a 50 L spray tank, 80 L

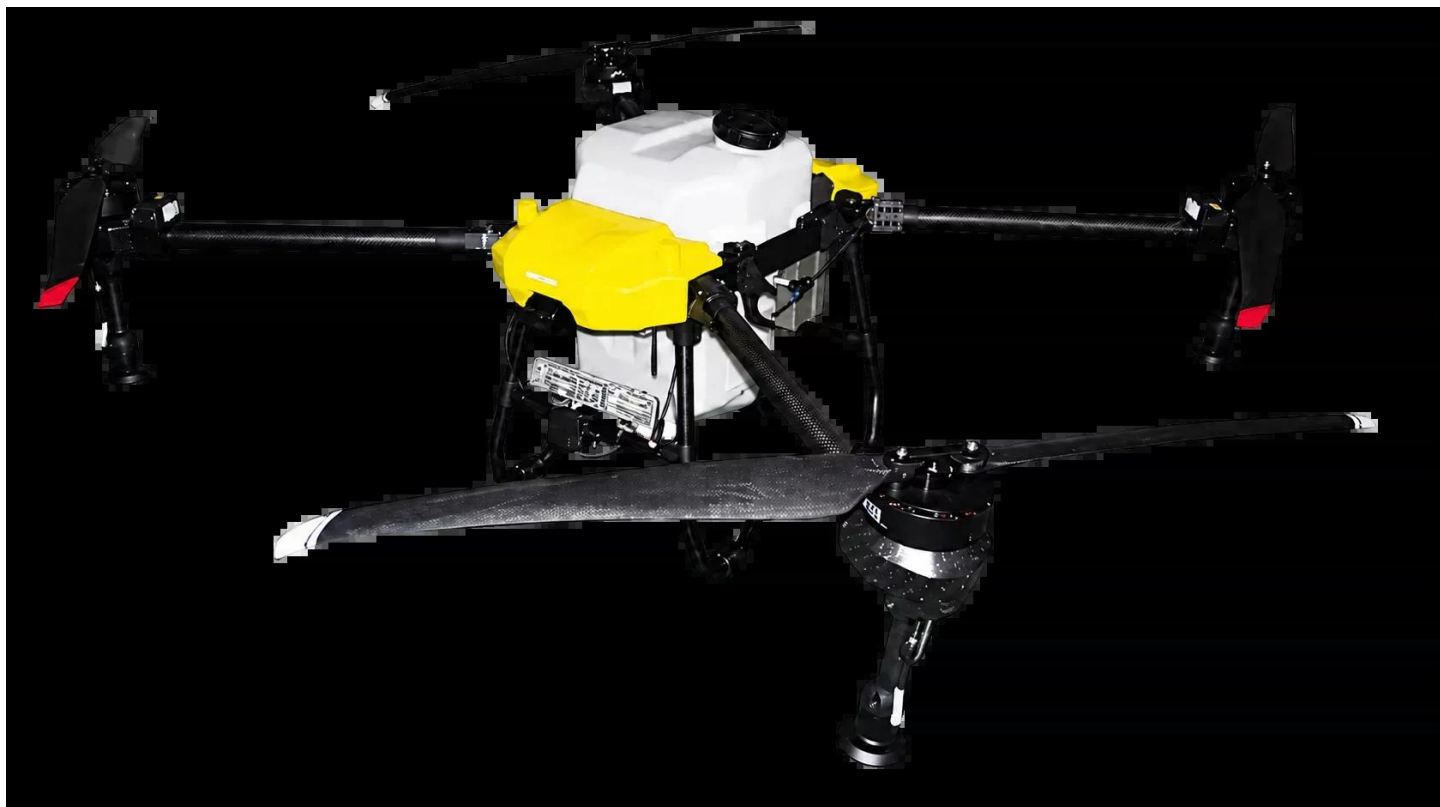


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spreading tank, 7200 W fast charging, safety radars, 1080P FPV and an automatic flight system.

Product Gallery

Images of the Digima JT50L Agricultural Drone | 50 L Spray | 80 L Fertiliser and Kit Components



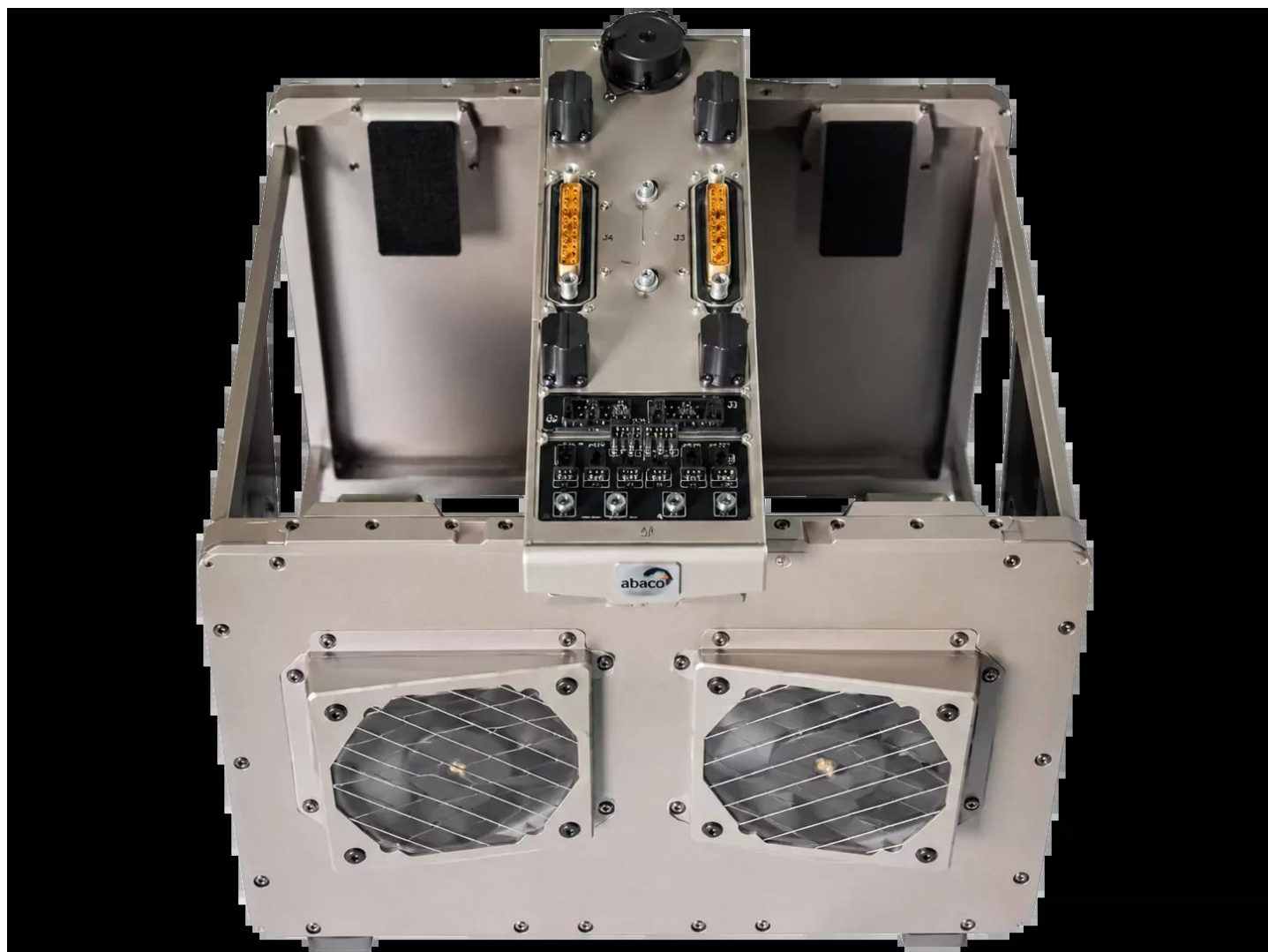


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Key Benefits

Why Choose the Digima JT50L Agricultural Drone | 50 L Spray | 80 L Fertiliser?

50L



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50 L Spray Tank

A capacity of 50 litres enables efficient operation without frequent refilling of spray liquid.

20L

20 L/min Spray Flow Rate

The high liquid flow rate enables efficient application of crop-protection products.

>10

Spray Width Above 10 m

The wide working swath reduces the number of passes and distributes spray liquid evenly.

80L

80 L Spreading Tank

The large spreading system enables application of fertilisers, seeds and dry granular materials.

Spray System

Precise Application of Spray Liquid

The Digima JT50L Agricultural Drone | 50 L Spray | 80 L Fertiliser enables spraying over a width of **more than 10 metres** using **4 centrifugal nozzles**. Each nozzle can reach a flow rate of up to **10 L/min**, allowing the drone to achieve a total spray flow rate of **20 L/min**. The spraying speed is **3–10 m/s**, and productivity reaches **18–20 ha/h**.

1

Liquid Preparation

The 50 L spray tank allows a suitable quantity of spray liquid to be prepared for work over larger areas.

2

4 Centrifugal Nozzles

Higher flow rate and advanced automation also make the drone well suited to orchard spraying.

3



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Safe Field Operation

Front and rear radars together with terrain-following radar help maintain the appropriate altitude and detect obstacles.

Spraying and Spreading

One Machine for Multiple Agricultural Tasks

The Digima JT50L Agricultural Drone | 50 L Spray | 80 L Fertiliser can be used not only for spraying, but also for spreading fertilisers, seeds and other dry granular materials. The spreading tank of **80 L**, weighing module and app enable precise setting of liquid or fertiliser application rates per acre or hectare.

80L

80 L Spreading Tank

The large tank capacity enables efficient application of fertilisers, seeds and other granular materials.

APP

Application Rate from the App

The app allows the amount of liquid or fertiliser per acre or hectare to be set.

WAGA

Tank with Weighing Module

The weighing system supports control of the amount of material being spread during operation.

RTK

RTK Antenna

RTK reduces magnetic interference and eliminates the need for GPS calibration.

Advanced Features

Technology Supporting Precision and Safety

The drone is equipped with solutions that increase operating convenience and safety: an **H12 PRO** controller, **1080P** camera, 110° gimbal, LED lighting, automatic field mapping, obstacle-avoidance radars, terrain-following radar, flow meter and **VK-V9** flight controller providing more stable flight.



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1080P

1080P Camera with Gimbal

The camera with 110° gimbal and image transmission enables real-time monitoring of drone operation.

RADAR

Obstacle-Avoidance Radars

Front and rear radars detect obstacles in real time and support safe flight.

TERRAIN

Terrain-Following Radar

The system automatically adjusts flight altitude relative to the terrain surface.

LED

LED Lighting

LED lights enable operation in night-time conditions or reduced visibility.

Power and Control

Fast Charging, Stable Flight and Convenient Operation

The drone uses an **18S 30000 mAh** battery and a fast **7200 W** charger with a cooling system. Charging from 35–95% takes approximately **13 minutes**, and the cooling system enables hot batteries to be charged without lengthy waiting.

18S

18S 30000 mAh Battery

The high-capacity smart battery powers the drone during intensive field operation.

7200

7200 W Charger

The fast charger with cooling enables the battery to be prepared efficiently for the next flight.

13



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Charging in Approximately 13 Minutes

Charging time from 35% to 95% is approximately 13 minutes.

H12

SKYDROID H12 PRO Controller

The integrated H12 PRO controller supports manual and automatic operation and works with the 1080P camera.

Applications

What Can You Use the Digima JT50L Agricultural Drone | 50 L Spray | 80 L Fertiliser For?

Spraying and Crop Protection

- Field-crop spraying.
- Crop protection.
- Foliar fertilisation.
- Automatic operation according to a field map.

Orchards and Plantations

- Orchard spraying.
- Plantation work.
- Treatment in hard-to-reach areas.
- Image monitoring via 1080P camera.

Spreading and Contract Services

- Fertiliser and seed spreading.
- Application of dry granular materials.
- Agricultural and agrotechnical services.
- Setting the application rate from the app.

Included in the Set

What Is Included with the JT50L Agricultural Drone?

The set includes components required for operation, control, charging, flight monitoring, spraying and fertiliser and seed spreading.

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1

Integrated Controller with 7" Screen

Integrated controller with 7" screen and app for manual and automatic flight operation.

Manual and Automatic Control

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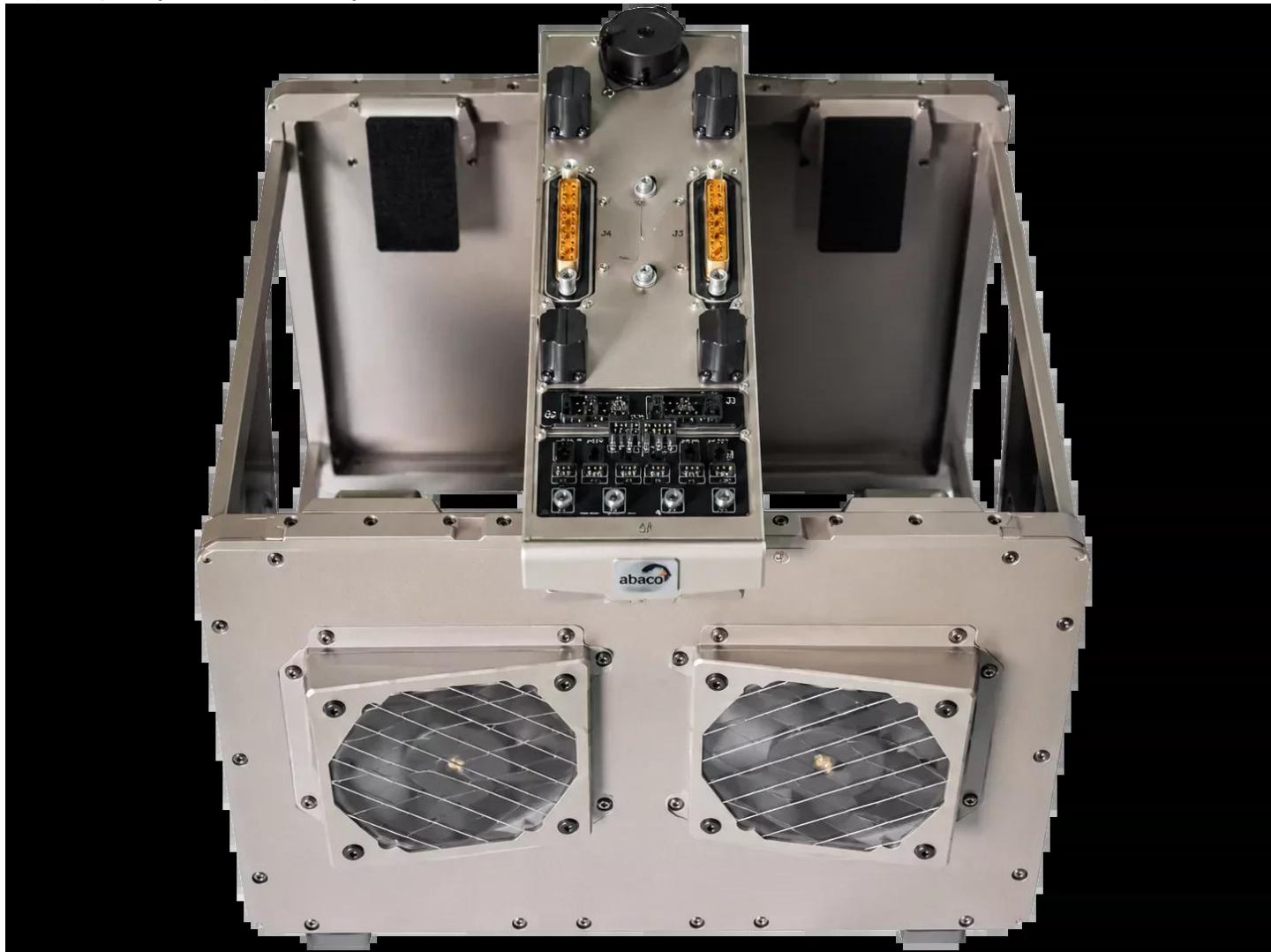


2

Smart 18S 30000 mAh Battery

Smart 18S 30000 mAh battery designed to power the drone during field operation.

High-Capacity Working Battery



3

7200 W Fast Charger with Cooling

The charger with cooling system enables fast charging in approximately 10–13 minutes. An 11 kW, 220 V generator is recommended for operation.

Fast Battery Charging



4

1080P FPV Camera with Gimbal and LED

1080P FPV camera with gimbal and LED lighting for night operation and video monitoring during flight.

Monitoring and Night Operation



5

Front and Rear Obstacle-Avoidance Radar

Radars detecting obstacles in front of and behind the drone, supporting flight safety.

Anti-Collision Sensor

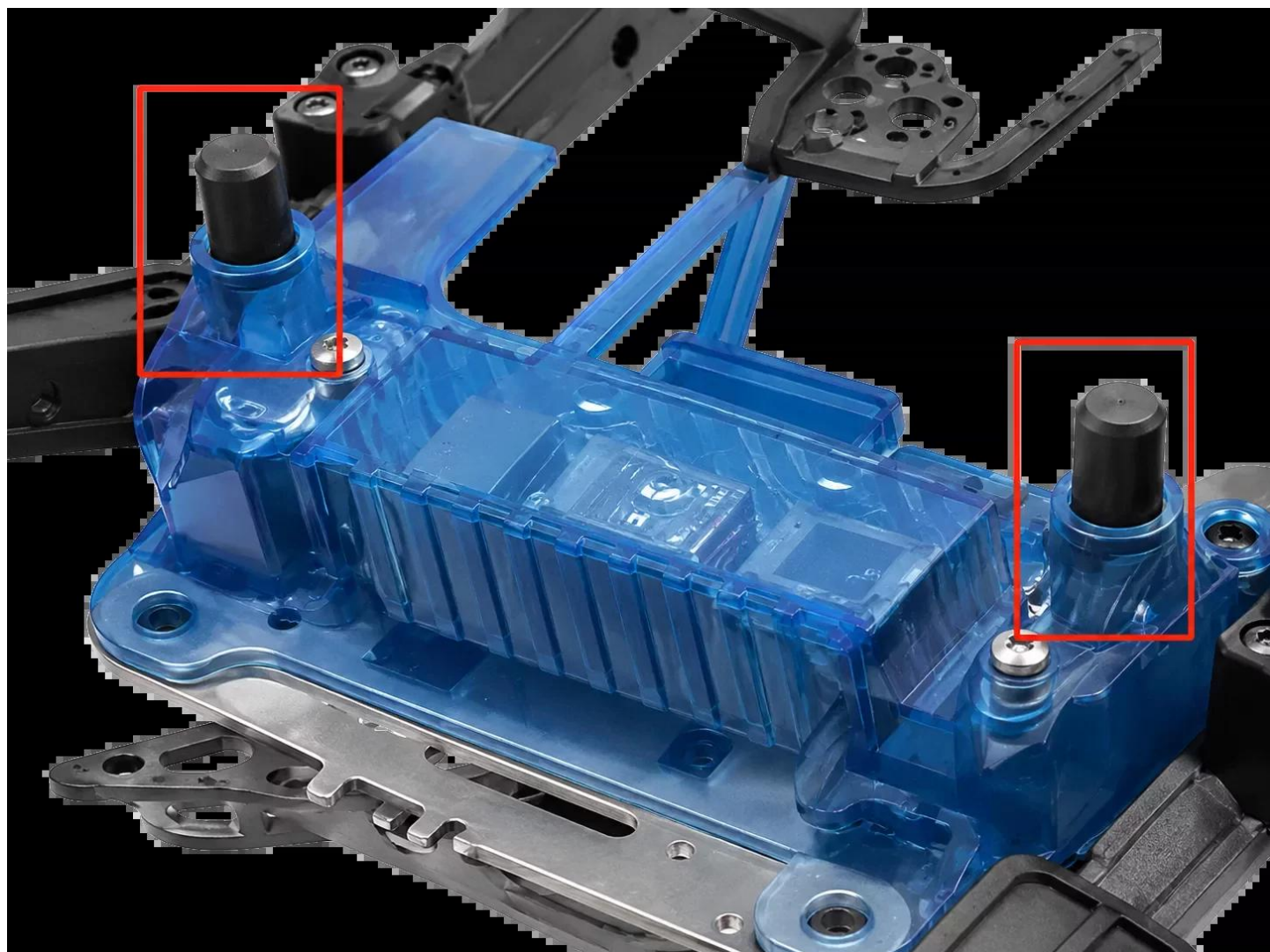


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Terrain-Following Radar

The radar automatically adjusts flight altitude to the terrain profile during operation.

Automatic Altitude Adjustment



7

4G RTK Antenna

The 4G RTK antenna supports precise positioning and reduces magnetic interference.

Reduced Magnetic Interference



8

Dual Flow Meter and Water Pumps

Dual turbine flow meter for liquid detection and precision spraying, plus 2 water pumps rated at 15 L/min.

Liquid Sensor and Precision Spraying

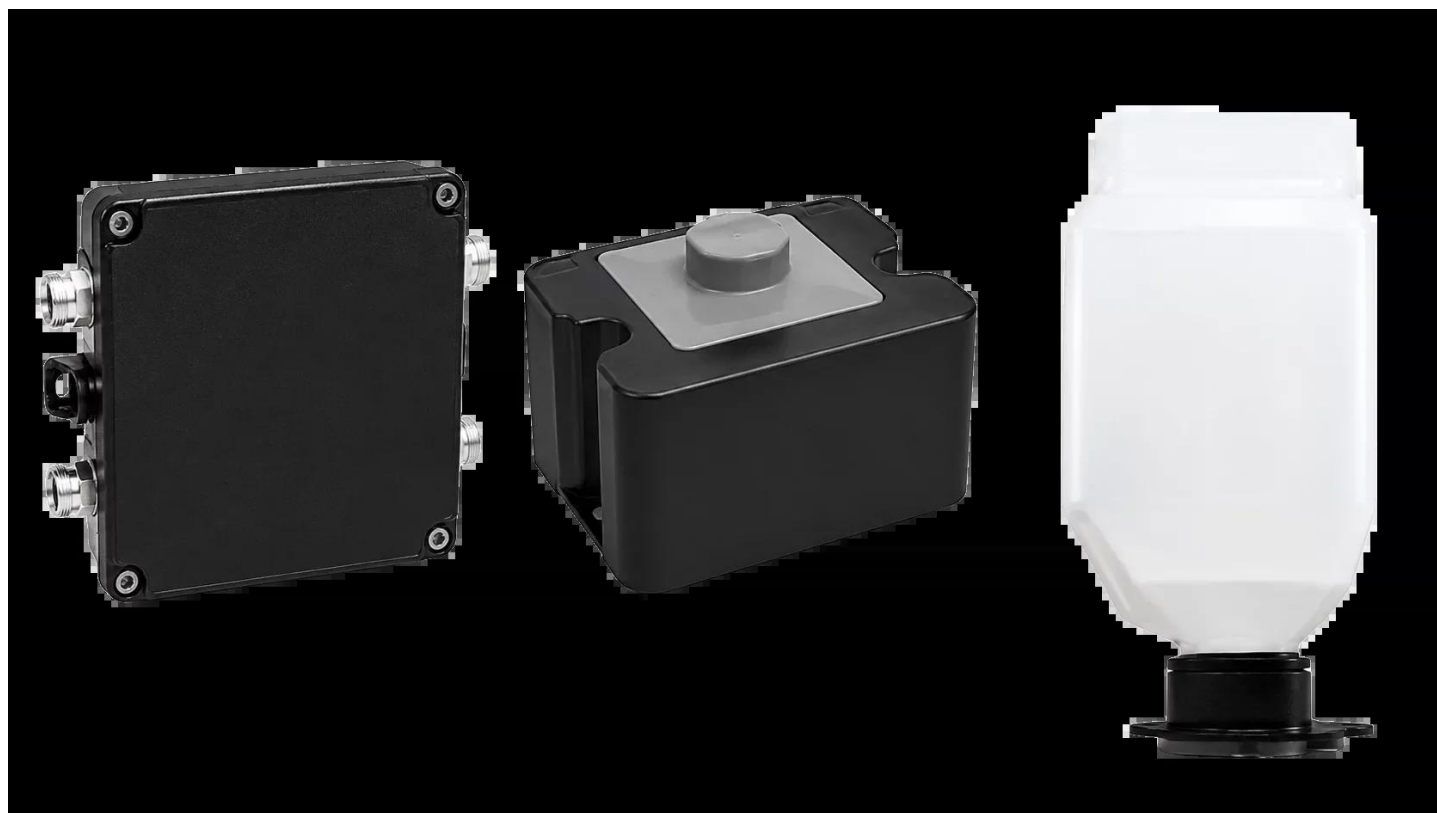


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Tool Kit and Aluminium Case

Maintenance and repair tool kit together with an aluminium transport case.

Transport and Service Support



10

80 L Fertiliser Tank with Spreader

80 L fertiliser tank with granule spreader and weighing module for distribution of solid fertiliser and seeds.

Solid Fertiliser and Seeds

Specifications

Full Technical Specification

Model **Digima JT50L Agricultural Drone | 50 L Spray | 80 L Fertiliser**

Equipment Type **Agricultural Drone for Spraying and Spreading**

Spray Tank Capacity **50 l**

Net Weight **31.8 kg without battery / 45.2 kg with 1 battery**

Maximum Take-Off Weight **102 kg**

Flight Time **10–15 min**

Flight Radius **0–1000 m**

Flight Altitude **0–30 m**

Flight Speed **0–12 m/s**

Operating Temperature **-10 to 70°C**

Operating Humidity **0–90%**

Spraying Speed **3–10 m/s**



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Spray Width / Number of Nozzles **>10 m / 4 centrifugal nozzles**

Spray Flow Rate **20 l/min**

Spraying Capacity **18–20 ha/h**

Downwash Airflow **4–15 m/s**

Wind Resistance **10 m/s**

Unfolded Dimensions **1860 × 1640 × 850 mm**

Folded Dimensions **1090 × 760 × 930 mm**

Motor **Hobbywing X13**

Propellers **56" Carbon-Fibre Propellers**

Flight Controller **VK-V9**

Remote Controller **SKYDROID H12 PRO RC**

Battery **18S 30000 mAh**

Charger **7200 W Fast Charger**

Charging Time **approximately 13 minutes from 35–95%**

Transport Case **Aluminium transport case**

Tool Kit **Maintenance and repair tools**

Terrain-Following Radar **Automatic flight-altitude adjustment**

Obstacle Radars **Front and rear radar detecting obstacles in real time**

FPV Camera **1080P camera with 110° gimbal, LED light and video transmission**

RTK **RTK antenna reducing magnetic interference, without the need for GPS calibration**

Flow Meter **Accurate flow meter for precision spraying**

Spreading Tank **80 L, for fertiliser and dry granular materials**

App-Based Rate Setting **Ability to set liquid or fertiliser rate per acre/hectare**

Field Mapping **Field-map support for automatic flight**

Applications **Crop spraying, crop protection, foliar fertilisation, fertiliser and seed spreading, dry granular-material application**

Intended Use **Farms, orchards, plantations, large areas and agricultural contract services**

Condition **New**