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Digima JT40L Agricultural Drone | 40 L Spray | 70 L Fertiliser

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Main Drone Image

Professional Digima JT40L agricultural drone | 40 L Spray | 70 L Fertiliser for spraying, fertiliser spreading and automated operation.

Agricultural Drone for Spraying and Spreading

Digima JT40L Agricultural Drone | 40 L Spray | 70 L Fertiliser

Professional 40 L Drone for Spraying and Spreading over Large Areas

Digima JT40L Agricultural Drone | 40 L Spray | 70 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 **10–12 m**, a spray flow rate of **13 L/min** and a capacity of **up to 16 ha/h** enable efficient treatment of large areas.

High-Performance Agricultural Drone for Modern Crop Protection, Spraying and Spreading.

The Digima JT40L Agricultural Drone | 40 L Spray | 70 L Fertiliser combines a 40 L spray tank, 70 L

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

Product Gallery

Images of the Digima JT40L Agricultural Drone | 40 L Spray | 70 L Fertiliser — in operation and folded

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Key Benefits

Why Choose the Digima JT40L Agricultural Drone | 40 L Spray | 70 L Fertiliser?

40L

40 L Spray Tank

A capacity of 40 litres enables efficient operation without frequent refilling of spray liquid.

13L

13 L/min Spray Flow Rate

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

10–12

10–12 m Spray Width

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

70L

70 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 JT40L Agricultural Drone | 40 L Spray | 70 L Fertiliser enables spraying over a width of 10–12 metres using **4 centrifugal nozzles**. The drone achieves a spray flow rate of **13 L/min**, a spraying speed of **0–8 m/s** and generates a downward airflow of **4–15 m/s**, supporting crop penetration and even plant coverage.

1

Liquid Preparation

The 40 L spray tank allows a suitable quantity of spray liquid to be prepared for work over larger areas.

2

Efficient Centrifugal Nozzles

Four centrifugal nozzles provide high flow rate and automation, which also works well for orchard spraying.

3

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 JT40L Agricultural Drone | 40 L Spray | 70 L Fertiliser can be used not only for spraying, but also for spreading fertilisers, seeds and other dry granular materials. The spreading tank of **70 L**, weighing modules and app enable precise setting of liquid or fertiliser application rates per hectare.

70L

70 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

Granular-Material Weight Detection 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: front and rear FPV viewing, LED lighting for night operation, automatic field mapping, obstacle-avoidance radars, terrain-following radar, a flow meter for precision spraying and VK-V9 flight controller providing more stable flight.

FPV

Front and Rear FPV View

FPV cameras allow real-time monitoring of crop conditions and the drone’s surroundings.

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

Charging in Approximately 13 Minutes

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

H12

SKYDROID H12 Controller

The integrated controller with 5.5" screen and app supports manual and automatic modes.

Complete Equipment Set

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Included with the Digima JT40L Agricultural Drone | 40 L Spray | 70 L Fertiliser

The set includes all components required for manual and automatic operation, spraying, fertiliser spreading and safe drone handling in the field.

1

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Integrated Controller with 5.5" Screen

The controller with app enables drone operation in **manual and automatic modes**.

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2

Smart 18S 30000 mAh Battery

High-capacity smart battery designed for intensive drone operation during spraying and spreading.

3

7200 W Fast Charger with Cooling

The charger enables fast charging in approximately **13 minutes** and can operate with a 220 V generator.

4

Front and Rear FPV

FPV camera and LED lighting allow monitoring of the drone’s surroundings during operation.

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5

Front and Rear Obstacle-Avoidance Radar

The anti-collision system detects obstacles and supports safe flight in real time.

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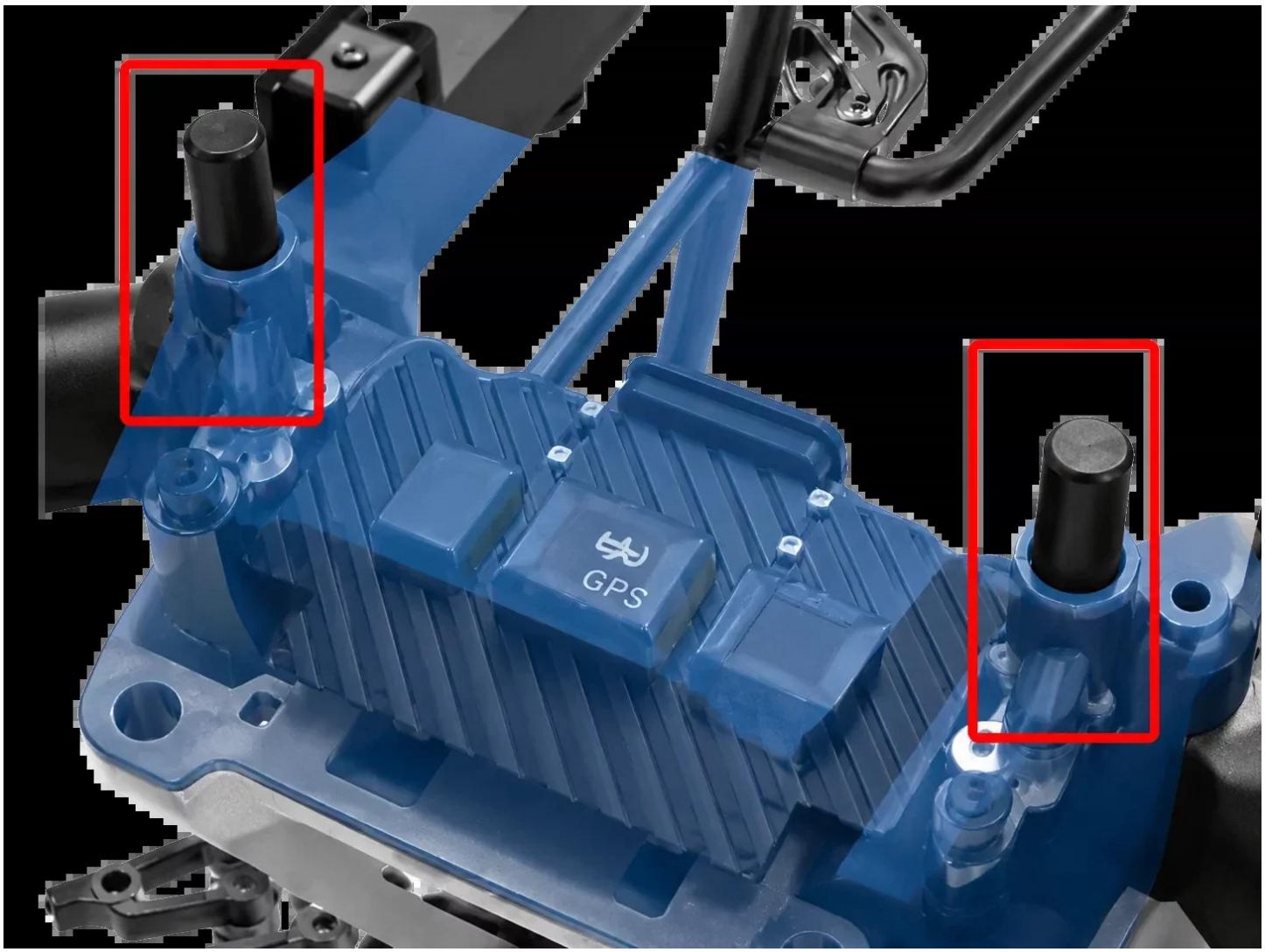
6

Terrain-Following Radar

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



7

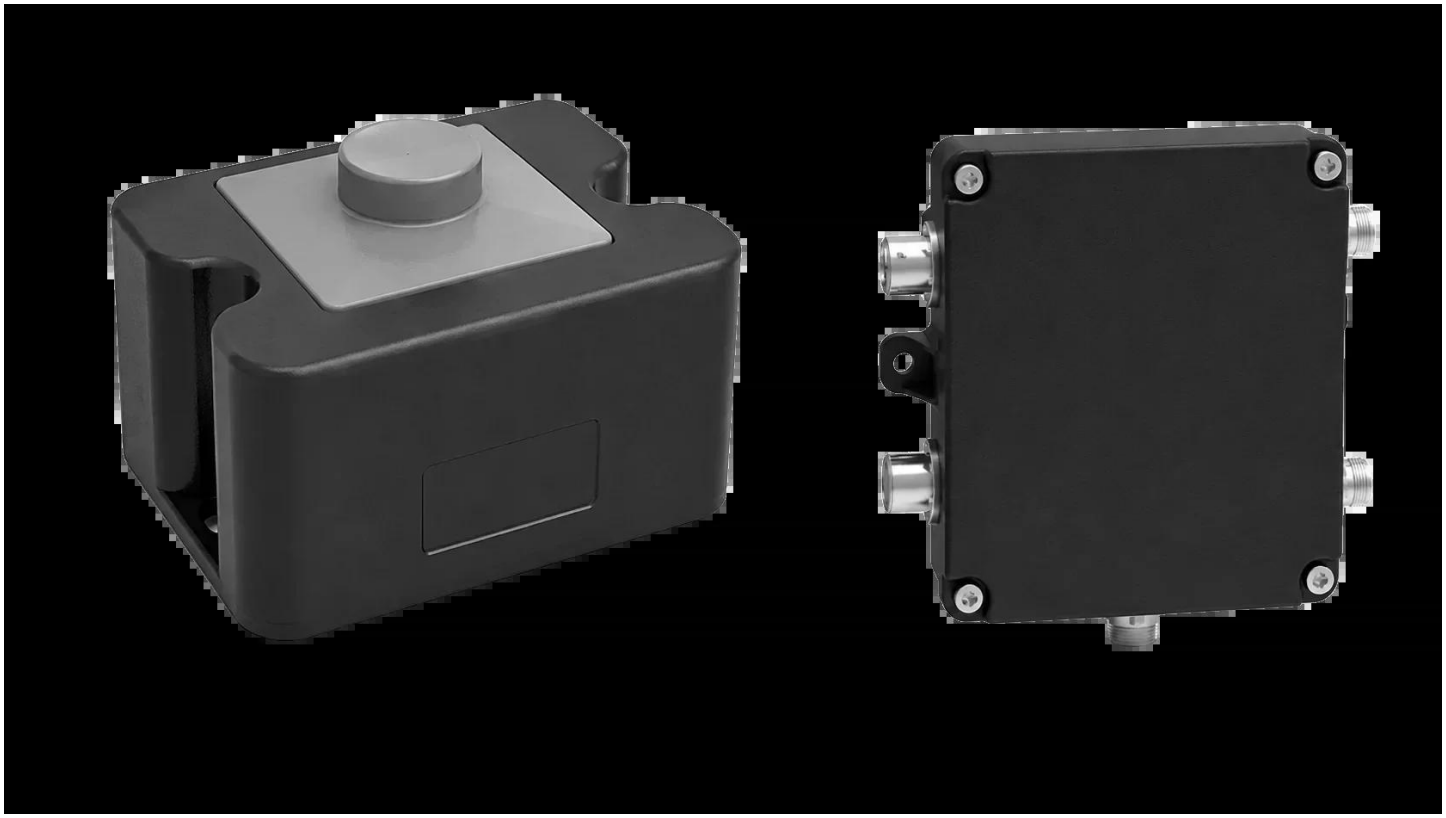
4G RTK Antenna

The RTK antenna reduces magnetic interference and supports precise drone guidance.

8

Millimetre Liquid Flow Meter

The liquid sensor supports flow detection and precise dosing during spraying.



9

Granular-Material Weight Detection Module

The set includes **4 modules and a hub** that support monitoring of fertiliser or seed weight.

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10

Tool Kit and Aluminium Case

Maintenance tools and the transport case facilitate operation, service and transport of kit components.

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11

70 L Fertiliser Tank and Granule Spreader

The granular-material spreading system enables application of **fertiliser, seeds and granules**.

Applications

What Can You Use the Digima JT40L Agricultural Drone | 40 L Spray | 70 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.
- Crop-condition monitoring through FPV.

Spreading and Contract Services

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

Specifications

Full Technical Specification

Model**Digima JT40L Agricultural Drone | 40 L Spray | 70 L Fertiliser**
Equipment Type**Agricultural Drone for Spraying and Spreading**
Spray Tank Capacity**40 l**
Net Weight**35 kg without battery / 48.4 kg with 1 battery**
Take-Off Weight**80–100 kg**
Flight Time**10–15 min**
Flight Radius**0–1000 m**

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Flight Altitude**0–30 m**
Flight Speed**0–12 m/s**
Operating Temperature**-10 to 70°C**
Operating Humidity**0–90%**
Spraying Speed**0–8 m/s**
Spray Width / Number of Nozzles**10–12 m / 4 centrifugal nozzles**
Spray Flow Rate**13 l/min**
Spraying Capacity**16 ha/h**
Downwash Airflow**4–15 m/s**
Wind Resistance**10 m/s**
Unfolded Dimensions**1850 × 1520 × 930 mm**
Folded Dimensions**1050 × 900 × 930 mm**
Motor**Hobbywing X11 MAX**
Propellers**Carbon Fibre**
Flight Controller**VK-V9**
Remote Controller**SKYDROID H12 RC with 5.5" screen and app**
Flight Modes**Manual and Automatic**
Battery**18S 30000 mAh**
Charger**7200 W fast charger with cooling system**
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 Cameras**Front and rear FPV camera with video transmission**
Lighting**LED lights for night operation**
RTK**RTK antenna reducing magnetic interference, without the need for GPS calibration**
Flow Meter**Millimetre flow meter for liquid detection and precision spraying**
Granular-Material Weighing System**Granular-material weight detection modules with hub**
Spreading Tank**70 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**