

DJI AGRAS T20 Features

Makes Agricultural Spraying Easier, Smarter, And Safer

Robust Modular Design, Omnidirectional Digital Radar, And Optimized Precision Spraying Module Transform Farming With Digital Insights And Efficiency

DJI, the global leader in drone and camera technology, is again transforming farming with its latest agriculture drone, the DJI AGRAS T20. This durable, high-performance, and intelligent precision agriculture spraying drone packs impressive features into a modular and portable design, making it accessible and scalable for farmers who are ready to apply digital insights and automated spray technology into their operations. The DJI AGRAS T20 is optimized to work in the most complicated environments and different agricultural lands, from its easy autonomous flight planning and terrain-sensing radar, to its extended flight time, high payload capacity, and off-the-grid power options. The DJI AGRAS T20 is now available for pre-order in Canada.

1- The water tank is 20L. That means the DJI AGRAS T20 can carry a maximum payload of 20kg.

2- Can spray farmland and fruit trees. Effective spray width of 7 meters. By using the Phantom 4 RTK, operators can scan and map target areas, making it easier to identify all aspects of the field. In Orchard mode 3.0, 3D flight routes can be generated based on the shapes of each tree after they are identified. Afterward, users can conduct efficient spraying with their DJI AGRAS T20. The strong wind field makes the center of the plant canopy evenly receive the medicine. The spraying atomization effect is very good,

With a comprehensive suite of DJI agriculture solutions, operating in broadacre farmlands, orchards, or grasslands, has become a lot easier. The DJI agricultural solution packages are designed to monitor crop health and generate variable treatment procedures. By using the P4 Multispectral, operators can scan target areas and generate multispectral charts that provide actionable insights into crop health and help formulate variable spraying and seeding maps.

Operating efficiency 30Acre/hour. One remote can operate 5 sprayers together.

3- Except it can spray pesticide and fungicide, DJI Agriculture also released the spreading system 2.0 this time. It has a large capacity of 20 liters, a flow rate of 15 kg/min, and a spread of 7 meters. This spreading system also supports quick change-up, which can be assembled on the T20 in just 3 minutes and can calmly respond to a variety of job requirements.

This spreading system supports a variety of operation scenarios, such as grass seed sowing, rapeseed sowing, grassland reseeding, and shrimp rice feed sowing operations; solid fertilizer, spraying disinfectant, and snowmelt water, it can be easily completed, and the spreading effect is even and excellent.

4- In addition, the DJI AGRAS T20 enables users to set flight and operation parameters easily. With a built-in RTK centimeter-level positioning system and RTK dongles, centimeter-level waypoint recording is enabled, strengthening operations greatly and ensuring precision spraying.

5- The DJI AGRAS T20 is equipped with an Omnidirectional Digital Radar system, which is able to detect obstacles from all horizontal directions. It can also automatically circumvent obstacles while flying over various terrains, ensuring a high level of operational safety.

The operation of this radar is not affected by ambient light and dust. With the real-time image monitoring system and night searchlight (Can operate at night to protect bees), the pilot can easily ensure the safety of the equipment's all-weather operation.

6- With this radar system, the AGRAS T20 can adapt to some of the most challenging environments thanks to its strong resistance to dust and water thanks to an impressive IP67 rating. The DJI AGRAS T20 can also withstand splashes when cleaning the aircraft body with water.

7 - It adopts the design of 8 nozzles, 4 water pumps, and 4 channel flow meters, and the spraying flow rate can reach 6 L/min. The flow of each channel can be automatically calibrated, and the accuracy of the output of each channel of liquid medicine is guaranteed.

8 - T20 is equipped with the industry's first active valve control system as standard, which can support a higher dynamic flow range, automatic exhaust, and higher frequency point spraying, ensuring the start and stop of the spraying of liquid medicine in milliseconds. Which means you do not need to manually exhaust the valve.

9 - T20 comes standard with dual IMU, dual barometer, GNSS+RTK dual redundant system, providing stable monitoring capabilities for complex working environments.

10 -T20 is equipped with a new smart battery. The battery can be charged on the ground without additional cooling. In addition, the safety cycle of this battery reaches 600 times. The increase in the number of safety cycles reduces the cost of battery loss in farmland operations. The charging time for the battery is 15 minutes.

11- With a robust modular design, the DJI AGRAS T20 folds and unfolds in seconds, making it more portable than other agriculture ones. Both the battery and the 20L operating box support quick plug-in and pullout, and it only takes ten seconds to complete the replacement. Reducing downtime, and increasing workflow significantly. After folding, the space occupation is reduced by 75%, and the storage is very convenient.

12- Real-time crops' image monitoring. In addition, the smart controller comes with an ultra-bright 5.5-inch display, which remains readable even under direct sunlight. It also supports external battery packs and can last twice as long as other remote controllers, perfect for lengthy or heavy workloads.