Product specification sheet

Product	DJI MATRICE 350 RTK Drone (Battery and Charger Excluded)
SKU	DJI-M350-RTK
Brand	DJI
Category	Camera & Photo
Minimum order quantity	1
Unit	—
Unit price	$7,000.00
Available quantity	0

Description

HIGHLIGHTS: Flight Batteries & Payload Not Included Up to 55 Minutes of Flight Time Multi-Payload Support 1 Year of Care Basic Coverage Included DJI RC Plus Controller Included 6-Direction Sensing & Avoidance Night-Vision FPV Camera High Wind, Heat, Cold & Water Resistance DJI O3 Enterprise Transmission Maximum Range of 12.4 Miles DJI Matrice 350 RTK - Fully Powered to Forge Ahead An upgraded flagship drone platform, the Matrice 350 RTK sets a new benchmark for the industry. This next-generation drone platform features an all-new video transmission system and control experience, a more efficient battery system, and more comprehensive safety features, as well as robust payload and expansion capabilities. It is fully powered to inject innovative strength into any aerial operation. 55-Min Max Flight Time IP55 Rating DJI O3 Enterprise Transmission 6-Directional Sensing & Positioning DJI RC Plus 400 Battery Cycles Night-Vision FPV Camera Multi-Payload Support Powerful Operation Performance Built tough, the Matrice 350 RTK features powerful propulsion, enhanced protection rating, and excellent flight performance, allowing it to effortlessly tackle a wide variety of challenges. 55-Min Max Flight Time IP55 Rating -20° to 50° C (-4° to 122° F) Operating Temperature 7000m Max Flight Altitude 2.7kg Max Payload Stay Stable With New Transmission System O3 Enterprise Transmission - Matrice 350 RTK adopts DJI O3 Enterprise Transmission, which supports triple-channel 1080p HD live feeds, and a max transmission distance of 20 km. Both the aircraft and the remote controller have a four-antenna transceiver system, which can intelligently select the two optimal antennas to transmit signals, while the four antennas receive signals simultaneously. In this way, anti-interference capabilities are significantly improved, and transmission stability is optimized. New Control Experience with DJI RC Plus Equipped with a 7-inch high-bright screen, DJI RC Plus supports Dual Operator Mode and comes with a standard WB37 external battery that offers an operating time of up to six hours, meeting various operation needs. Built Ready for Harsh Environments - IP54 rated, DJI RC Plus is dustproof and waterproof to operate reliably in bad weather. The operating temperature is -20° to 50° C (-4° to 122° F), supporting around-the-clock operation even in severely hot or cold environments. Smooth and Efficient Control - There are several buttons and dials on the front, back, and top of the remote controller for fast operation. Button functions can be customized to fit users’ habits and deliver an intuitive and flexible experience. DJI Pilot 2 - The DJI Pilot 2 app has been further optimized to clearly present the mission type and flight status. Easy and smooth control of the aircraft and payloads facilitates more efficient operation. Upgraded Battery System | New Dual-Battery System The Matrice 350 RTK is equipped with a new TB65 dual-battery system, which supports battery hot swapping and allows for multiple flights without powering off. The battery can be charged up to 400 cycles, reducing the cost of a single flight. Next-Gen Intelligent Battery Station The new BS65 Intelligent Battery Station provides a one-stop solution for battery charging, storage, and transport. Multiple Charging Modes - In Storage Mode, charge the battery to 50%, which is good for long-term storage. In Ready-to-Fly Mode, quickly charge multiple battery sets to 90% to start operation at any time and extend the battery life. Intelligent Management - When the battery station is connected to DJI RC Plus, the DJI Pilot 2 app will display the battery status and health information. In addition, you can set the number of self-discharge days, update the firmware, export logs, and access other quick operations with one tap. Effortless Transitions - The battery station is designed with 360°-movement wheels for more convenient transportation and transitions Enhanced Flight Safety Arm Lock Indicator - The Matrice 350 RTK adds a new arm lock detection function to avoid the risk of unlocked arm sleeves, allowing you to focus on flight with more peace of mind. Night-Vision FPV Camera - Thanks to its excellent night vision capabilities, the FPV camera can clearly present the surroundings and obstacles during flight at night. It works in tandem with the PinPoint function to provide better navigation for safe flight, assisting in more confident operation at night. 6-Directional Sensing & Positioning - The Matrice 350 RTK is designed with a six-directional binocular vision system and an infrared sensing system for six-directional awareness, positioning, and obstacle-sensing capabilities, providing comprehensive protection during flight. CSM Radar - With the CSM Radar installed, Matrice 350 RTK can detect subtle obstacles upward or within the horizontal 360° range and avoid them in time. [9] The effective detection range is up to 30 m, [10] further improving flight safety. Multi-Layered Redundancy Design - Both the aircraft system and the sensor system of the Matrice 350 RTK adopt a redundancy design to maximumly ensure flight safety, allowing you to cope with harsh operating environments more confidently. Intelligent Operation High-

Precision Mapping - Matrice 350 RTK supports Waypoint, Mapping, Oblique, and Linear Flight missions. You can use Terrain Follow or Smart Oblique for efficient data collection. Together with DJI Terra, you can quickly obtain HD 2D and 3D digital results, enabling high-precision and high-efficiency mapping operation. Air-to-Ground Coordination - With functions like the high-precision PinPoint and cloud-based real-time mapping, the Matrice 350 RTK can link the air, ground, and cloud together. After the aircraft completes image collection, DJI FlightHub 2 can quickly model the operation site and transmit command information to the aircraft and ground operators. Both the remote controller and FlightHub 2 support point, line, surface drawing, and real-time uploading, and can cooperate with the aircraft to livestream the real-time operation view, breaking through communication barriers for air-to-ground collaborative operation. Automated Precision Inspection - Through Live Mission Recording, the Matrice 350 RTK can generate and store flight route files that can be used at any time to realize automated operation and make repetitive inspection no longer time-consuming or effort-consuming. When using AI Spot-Check, the Matrice 350 RTK supports automatic framing and manual adjustment of subjects to improve the accuracy of repeated shooting and the quality of inspection operation. Powerful PayloadsThe Matrice 350 RTK supports a single downward gimbal, dual downward gimbals, and single upward gimbal, and has an E-Port open interface. With a max payload capacity of 2.7 kg, the aircraft can carry up to three payloads simultaneously, meeting the needs of different operation scenarios like public safety, inspection, and mapping. (Payloads sold separately). Zenmuse H20 Series - The four-sensor system of zoom camera, wide camera, thermal camera, and laser rangefinder works together, supplemented by advanced intelligent algorithms, to deliver outstanding sensing and imaging performance. Zenmuse H20N - Zenmuse H20N integrates starlight sensors into its zoom and wide-angle cameras. Pair this with dual zoom thermal cameras and a laser rangefinder, and you have a versatile hybrid payload that rises to the occasion. Zenmuse P1 - Zenmuse P1 integrates a full-frame sensor with interchangeable fixed-focus lenses on a 3-axis stabilized gimbal. Designed for photogrammetry flight missions, it takes efficiency and accuracy to a whole new level. Zenmuse L1 - Zenmuse L1 integrates a Livox Lidar module, a high-accuracy IMU, and a mapping camera. When used with the flight platform, it forms a complete solution that gives you real-time 3D data throughout the day, efficiently capturing the details of complex structures and delivering highly accurate reconstructed models. Third-Party Payloads - Customized payloads like gas detectors, loudspeakers, and multispectral sensors can be combined with Matrice 350 RTK through DJI Payload SDK to expand application fields. BOX CONTAINS 1 - Aircraft 1 - RC Plus 1 - WB37 Intelligent Battery 1 - Carrying Case 2 - Landing Gear 1 - Matrice 350 RTK 2110s Propellers (Pair) 1 - Screws and Tools 1 - Cleaning Tools 4 - Spare Gimbal Damper 1 - Rubber Port Cover (Set)