



MATRICE 300 RTK

Specifications-



15 km Max
Transmission



55-min
Max Flight Time



6 Directional
Sensing & Positioning



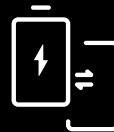
Primary Flight Display



IP45 Rating



-20°C to 50°C
Operating Temperature



Hot-swappable Battery



UAV Health
Management System

Improved Transmission System

The all-new OcuSync Enterprise enables transmission up to 15 km away and supports triple-channel 1080p video. Real-time auto-switching between 2.4 GHz and 5.8 GHz enables more reliable flight near high-interference environments, while AES-256 encryption offers secure data transmission.

15 km

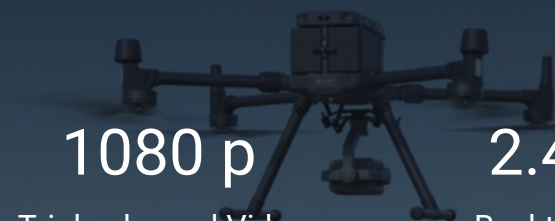
Transmission Range

1080 p

Triple-channel Video

2.4 / 5.8GHz

Real-time Auto-switching



Enhanced Flight Performance

The refined airframe and propulsion system design gives you a more efficient and stable flight, even in harsh conditions.

55min

Max Flight Time

7m/s

Max Descend Speed⁵

7000m

Service Ceiling

15m/s

Wind Resistance

23m/s

Max Speed



SMART INSPECTION

The background of the slide is a photograph of a high-voltage power line tower, viewed from a low angle looking up. The tower's lattice structure is silhouetted against a clear, bright blue sky. The perspective is from the ground, looking up at the tower and the power lines extending away from it.

Smart Inspection Live Mission Recording

Record mission actions such as aircraft movement, gimbal orientation, photo shooting, and zoom level to create sample mission files for future automated inspections.

AI Spot-Check

Automate routine inspections and capture consistent results every time. Onboard AI recognizes the subject of interest and identifies it in subsequent automated missions to ensure consistent framing.

Waypoints 2.0

Create up to 65,535 waypoints and set multiple actions for one or more payloads, including 3rd party ones, at each waypoint. Flightpath planning is also optimized to maximize flexibility and efficiency for your missions.

SMART PIN & TRACK

PinPoint

Mark an object in camera or map view with a quick tap, and advanced sensor fusion algorithms will immediately calculate its coordinates, which are projected to all camera views as an AR icon. The location of the subject is automatically shared with another remote controller, or to online platforms such as DJI FlightHub

Smart Track

Identify and follow moving subjects like people, vehicles, and boats with the Smart Track function, where auto-zoom is applied for steady tracking and viewing. The subject's dynamic location is continuously acquired and shared to another remote controller or to DJI FlightHub

Aviation-Grade Situational Awareness

The M300 RTK adopts a new Primary Flight Display (PFD) that integrates flight, navigation, and obstacle information to empower the pilot with exceptional situational awareness.



A Powerful Vision System You Can Rely On

To enhance in-flight safety and aircraft stability, dual-vision and ToF sensors appear on all six sides of the aircraft, offering a maximum detection range of up to 40 m, with options to customize the aircraft's sensing behavior via the DJI Pilot App. Even in complex operating environments, this 6 Directional Sensing and Positioning system helps keep the aircraft and the mission safe.

A close-up photograph of a person's hands holding a black drone remote controller. The controller has two joysticks, several buttons, and a tablet screen. The screen displays the 'Aircraft Health Management System' interface, which shows various system status indicators. The background is a blurred, light-colored surface.

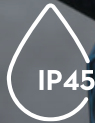
Professional Maintenance for Your Drone Fleet

The new integrated Health Management System displays the current status of all systems, notification logs, and a preliminary troubleshooting guide. Also in the system are the aircraft's flight logs, duration, and mileage throughout its entire lifecycle, and tips on aircraft care and maintenance.

Redundancy Systems for Safer Flights

The M300 RTK's built-in advanced redundancy systems help keep your critical missions going even in unexpected scenarios.

More Adaptable Than Ever Before



IP45

IP45



Self-Heating Battery



-20°C to 50°C



Anti-Collision Beacon



AirSense ADS-B Receiver

Accessories

Battery Station



TB60 intelligent flight battery



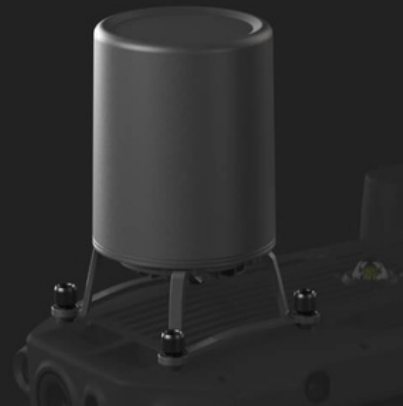
Dji Smartcontroller
Enterprise




D-RTK 2 Mobile
Station




CMs Radar





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