



**DRONE**  
Solutions  
& Inspections



# MATRICE 300 RTK

BUILT TOUGH. WORKS SMART.

## A NEW STANDARD FOR THE COMMERCIAL DRONE INDUSTRY

The Matrice 300 RTK is DJI's latest commercial drone platform that takes inspiration from modern aviation systems. Offering up to 55 minutes of flight time, advanced AI capabilities, 6 Directional Sensing & Positioning and more, the M300 RTK sets a whole new standard by combining intelligence with high-performance and unrivaled reliability.



15 km Max Transmission<sup>1</sup>



55-min Max Flight Time<sup>2</sup>



IP45 Rating



-20°C to 50°C Operating Temperature



6 Directional Sensing & Positioning



Primary Flight Display



Hot-Swappable Battery



UAV Health Management System

## Aviation-Grade Situational Awareness

### FLIGHT INFORMATION

Flight information such as aircraft attitude, altitude, and velocity, as well as wind speed and wind direction, are all intuitively presented.

### NAVIGATION DISPLAY

Pilots can also view the live status of the aircraft's heading, trajectory, PinPoint information, and home point projection, in a more efficient way. Visualize all nearby obstacles at once with the new obstacle map, so you can be fully informed.



Let us help  
**BUILD YOUR DRONE PROGRAM**

At MTI we offer full service drone solutions including repair and training to ensure you understand the features of your UAV and use it to its full potential. We will never try to oversell you as we want you to have the most efficient tools for your job.

CONTACT US TODAY FOR A CONSULTATION

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NEW YORK STATE AND FEDERALLY CERTIFIED  
**WBE COMPANY**

# MATRICE 300 RTK FEATURES:



## Advanced Dual Control

Either operator can now obtain control of the aircraft or payload with a single tap. This creates new possibilities for mission strategies as well as higher flexibility during operations.



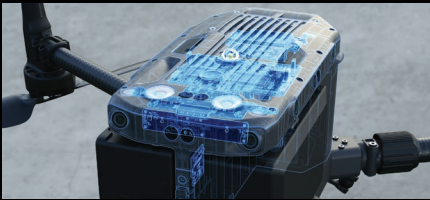
## Professional Maintenance for Your Drone Fleet

The new integrated Health Management System displays the current status of all systems, notification logs, and a preliminary troubleshooting guide.



## A Powerful Vision System You Can Rely On

TOF sensors appear on all six sides of the aircraft, offering a maximum detection range of up to 40m, with options to customize the aircraft's sensing behavior via the DJI Pilot App.



## Redundancy Systems for Safer Flights

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



## Improved Transmission System

The all-new OcuSync Enterprise enables transmission up to 15 km away and supports triple-channel 1080p video.



## Enhanced Flight Performance

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

## Multiple Payload Configurations

Configure your M300 RTK to fit your mission needs. Mount up to 3 payloads simultaneously, with a maximum payload capacity of 2.7 kg.



# MATRICE 300 RTK SPECIFICATIONS:

## Aircraft

### → Dimensions

- Unfolded, propellers excluded : 810×670×430 mm (L×W×H)
- Folded, propellers and landing gears included: 430 × 420 × 430 mm (L×W×H)

### → Max Flight Time (Sea level) 55 minutes

### → Weight (Batteries excluded) 3600 g

### → Max Horizontal Speed 23 m/s

### → Service Ceiling

- 5000 m (2110 propellers, takeoff weight ≤ 7 kg)
- 7000 m (2195 High-Altitude Low-Noise Propellers, takeoff weight ≤ 7kg)

## Sensing System

### → Infrared ToF Sensing System

### → Operating Environment

- Large obstacles with diffuse reflection and a high reflectivity (reflectivity> 10%)

## Battery

### → Capacity 5935 mAh

### → Voltage 52.8 V

### → Battery Type LiPo 12S

## Camera

### → Resolution 960p

### → FOV 145°

### → Frame Rate 30 fps

## Battery Station

### → Maximum Capacity

- 8 TB60 Intelligent Flight Batteries, 4 WB37 Batteries

### → Input Voltage

- 100-120VAC, 50-60Hz / 220-240VAC, 50-60Hz

### → Output Power

- 100 V-120 V: 750 W
- 220 V-240 V: 992 W

## APPLICATIONS: FIREFIGHTING / LAW ENFORCEMENT / POWERLINE INSPECTION / OIL & GAS / SEARCH & RESCUE

