



MATRICE 350 RTK SPEC SHEET

Category	Specifications
AIRCRAFT	
Dimensions (unfolded)	810×670×430 mm (L×W×H)
Dimensions (folded)	430×420×430 mm (L×W×H)
Diagonal Wheelbase	895 mm
Weight (without batteries)	Approx. 3.77 kg
Weight (with two TB65 batteries)	Approx. 6.47 kg
Max Takeoff Weight	9.2 kg
Operating Frequency	2,4000-2,4835 GHz; 5,150-5,850 GHz
Transmitter Power (EIRP)	2.4 GHz: <33 dBm (FCC); <20 dBm (CE/SRRC/MIC) 5.8 GHz: <33 dBm (FCC/SRRC); <14 dBm (CE)
Hovering Accuracy	Vertical: ±0.1 m (Vision), ±0.5 m (GNSS), ±0.1 m (RTK) Horizontal: ±0.3 m (Vision), ±1.5 m (GNSS), ±0.1 m (RTK)
RTK Positioning Accuracy	1 cm + 1 ppm (horizontal), 1.5 cm + 1 ppm (vertical)
Max Angular Velocity	Pitch: 300°/s, Yaw: 100°/s
Max Pitch Angle	30° (25° in N mode with forward vision system)
Max Ascent Speed	6 m/s
Max Descent Speed (vertical)	5 m/s
Max Tilted Descent Speed	7 m/s
Max Horizontal Speed	23 m/s
Max Flight Altitude	5000 m (with 2110s propellers and ≤ 7.4 kg) 7000 m (with 2112 propellers and ≤ 7.2 kg)
Max Wind Speed Resistance	12 m/s
Max Flight Time	55 minutes (reference, actual time may vary)

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Supported DJI Gimbals	Zenmuse H20, H20T, H20N, P1, and L1
Third-Party Payload	Certified payloads based on DJI Payload SDK
Ingress Protection Rating	IP55
GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS)	
GPS + GLONASS + BeiDou + Galileo	
Operating Temperature	-20° to 50° C (-4° to 122° F)
REMOTE CONTROLLER	
Screen	7.02-inch LCD touchscreen, 1920×1200 resolution, 1200 nits brightness
Weight	Approx. 1.25 kg (without WB37 battery), Approx. 1.42 kg (with WB37 battery)
REMOTE CONTROLLER BATTERY (BUILT-IN)	
Type	Li-ion (6500 mAh @ 7.2 V)
Charging Time	2 hours
BATTERY (EXTERNAL WB37)	
Capacity	4920 mAh
Voltage	7.6 V
Operating Time	Built-in Battery: approx. 3.3 hours Built-in Battery + External Battery: Approx. 6 hours



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INTELLIGENT FLIGHT BATTERY	
Model:	TB65
Capacity:	5880 mAh
Voltage:	44.76 V
Type:	Li-ion
Energy:	263.2 Wh
Weight:	Approx. 1.35 kg
Operating Temperature:	-20° to 50° C (-4° to 122° F)
Ideal Storage Temperature:	22° to 30° C (71.6° to 86° F)
Charging Temperature:	-20° to 40° C (-4° to 104° F)
Auto-heating Function:	Yes (Triggered below 5° C / 41° F)
Recommended Charging Temperature:	15° to 35° C (59° to 95° F)
CHARGING TIME	
220V Power Supply:	Approximately 60 minutes for a full charge, approximately 30 minutes from 20% to 90%.
110V Power Supply:	Approximately 70 minutes for a full charge, approximately 40 minutes from 20% to 90%.
OPERATING CONDITIONS	
Operating Frequency (Transmitter)	2.4000-2.4835 GHz; 5.725-5.850 GHz
Wi-Fi Protocol	Wi-Fi 6
Bluetooth Protocol	Bluetooth 5.1
VIDEO TRANSMISSION	
Transmission System	DJI O3 Enterprise Transmission
Max Transmission Distance	20 km (FCC), 8 km (CE/SRRC/MIC)
Obstacle Sensing Range (Vision)	Forward/Backward/Left/Right: 0.7-40 m Upward/Downward: 0.6-30 m

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