



ΕΛΛΗΝΙΚΗ ΑΕΡΟΠΟΡΙΚΗ ΒΙΟΜΗΧΑΝΙΑ Α.Ε.

ΠΑΡΑΡΤΗΜΑ Α -ΤΕΧΝΙΚΕΣ ΠΡΟΔΙΑΓΡΑΦΕΣ ΑΓΑΘΟΥ

Αρ. Πρωτ.:5430-2025-09-724

ΕΡΕΥΝΑ ΑΓΟΡΑΣ ΓΙΑ ΠΡΟΜΗΘΕΙΑ ΣΥΣΤΗΜΑΤΟΣ ΜΗ ΕΠΑΝΔΡΩΜΕΝΟΥ ΕΝΑΕΡΙΟΥ ΟΧΗΜΑΤΟΣ

DRONE: DJI MATRICE 350 RTK

- Matrice 350 RTK drone
- 2 years of DJI Care Enterprise protection (auto-activation)
- 2x TB65 battery
- BS65 charging station
- power cable (BS65)
- USB-C to USB-B cable (BS65)
- DJI RC Plus control equipment
- usb charger
- USB-C cable
- WB37 battery
- 1x pair of 2110s propellers
- 2x landing gear leg
- 4x spare gimbal vibration isolators
- USB-USB cable
- transport suitcase on 4 wheels
- set of port caps
- set of screws and wrenches

DRONE

Dimensions	Unfolded, without propellers, 810x670x430 mm (Length x Width x Height) Folded, with propellers, 430x420x430 mm (Length x Width x Height)
Diagonal	895 mm
Weight (with one gimbal at the bottom)	Approx. 3.77 kg (without batteries) Approx. 6.47 kg (with two TB65 batteries)
Maximum load capacity of a single vibration isolator	960 gram
Maximum takeoff weight	9.2kg
Working frequency	2.4000-2.4835 GHz CE: 5.170-5.250 GHz



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Signal Strength (EIRP)	2.4000-2.4835 GHz: < 20 dBm (CE/SRRC/MIC) 5.150-5.250 GHz (CE: 5.170-5.250 GHz): < 23 dBm (CE) 5.725-5.850 GHz: < 14 dBm (CE)
Hover Accuracy (P-Mode with GPS)	Perpendicularly: ±0.1 m (With vision system) ±0.5 m (GPS on) ±0.1 m (RTK on) Horizontally: ±0.3 m (With vision system) ±1.5 m (GPS on) ±0.1 m (RTK on)
RTK positioning accuracy	With RTK signal enabled and established 1 cm+1 ppm (horizontal) 1.5 cm + 1 ppm (vertical)
Maximum angular velocity	Pitch axis: 300°/s, Yaw axis: 100°/s
Maximum tilt angle	30° (Mode-N, Forward Vision On: 25°)
Maximum rate of climb	6 m/s
Maximum descent speed (vertical)	5 m/s
Maximum descent speed (tilt)	7 m/s
Max speed	23 m/s
Maximum ceiling (m above sea level)	5000 m (with 2110s propellers, takeoff weight ≤ 7.4kg) 7000 m (with 2112 propellers, takeoff weight ≤ 7.2 kg)
Wind resistance	12 m/s
Maximum flight time	55 minutes (Measured with a Matrice 350 RTK flying at approximately 8 m/s with no payload in a windless environment until the battery level reached 0%. Data is for reference only. Actual use time may vary depending on flight mode, accessories and environment. Please pay attention to in-app reminders)
Supported DJI cameras	Zenmuse H20, Zenmuse H20T, Zenmuse H20N, Zenmuse P1, Zenmuse L1
Supported gimbal configurations	Single Gimbal Bottom, Dual Gimbal Bottom, Single Gimbal Top + Single Gimbal Top



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Level of security	IP55
GNSS	GPS + GLONASS + BeiDou + Galileo
Operating temperature	-20°C to 50°C
APPARATUS	
Screen	7.02 inch LCD touch screen; resolution: 1920×1200; maximum brightness: 1200 nits
Mass	Approx. 1.25 kg (without WB37 battery) Approx. 1.42 kg (with WB37 battery)
GNSS	GPS + Galileo + BeiDou
Built-in battery	Type: Li-ion (6500mAh@7.2V) Charging type: Use the BS65 charging station or USB-C fast charger with a maximum power of 65W (maximum voltage 20V) Charging time: 2 hours Chemical system: LiNiCoAlO ₂
WB37 external battery	Capacity: 4920 mAh Voltage: 7.6V Type: Li-ion Energy: 37.39 Wh Chemical system: LiCoO ₂
Level of security	IP54
Working time	Built-in rechargeable battery: about 3.3 hours Built-in battery + external battery: approx. 6 hours
Working temperature	-20° to 50° C
Operating frequencies	2.4000-2.4835 GHz 5.725-5.850 GHz
Signal Strength (EIRP)	2.4000-2.4835 GHz: < 20 dBm (CE/SRRC/MIC) 5.725-5.850 GHz: < 14 dBm (CE) < 23 dBm (SRRC)
Replaceable battery	Name: WB 37 Capacity: 4920 mAh Voltage: 7.6V Cell: LiPo Power: 37.39Wh



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	Charging time(using BS60 charging station : 70 minutes (15°C to 45°C) 130 minutes (0°C to 15°C)
Wi-Fi protocol	WiFi 6
Wi-Fi operating frequency	2.4000-2.4835 GHz 5.150-5.250 GHz 5.725-5.850 GHz
Bluetooth protocol	Bluetooth 5.1
Bluetooth operating frequency	2.4000-2.4835 GHz
VIDEO BROADCAST	
Video transmission system	DJI O3 Transmission
Antenna	4 video transmission antennas, 2T4R
Maximum transmission distance (without obstacles and interference)	CE/SRRC/MIC: 8 km
Maximum transmission distance (with obstacles)	Minor disturbances and obstacles in the form of buildings: approx. 0-0.5 km Minor disturbances and obstacles in the form of trees: approx. 0.5-3 km Strong interference and no obstructions: urban landscape, approx. 1.5-3 km Moderate disturbance and no obstructions: suburban landscape, approx. 3-9 km Low disruption and no obstructions: suburbs/coast, approx. 9-20 km Measured in accordance with FCC regulations in an environment without obstructions and typical interference at a flight altitude of approximately 120 m. Data is for reference purposes only. The actual transmission distance may vary depending on obstacles and interference in the environment. Please pay attention to in-app reminders.
VISION SYSTEM	
Obstacle detection range	Forward/backward/left/right: 0.7-40 m Up/down: 0.6-30 m
FOV	Forward/backward/down: 65° (horizontal), 50° (vertical) Left/Right/Up: 75° (horizontal), 60° (vertical)
Working conditions	Surfaces with clear patterns and adequate lighting (lux > 15)



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TOF INFRARED SENSOR SYSTEM	
Obstacle detection range	0.1-8m
Field of View (FOV)	30° (±15°)
Working conditions	large, diffusing, reflective surfaces (reflectance > 10%)
TOP AND BOTTOM AUXILIARY LIGHTING	
Effective lighting distance	5 m
Lighting type	60 Hz, constant light
FPV CAMERA	
Resolution	1080p
Field of View (FOV)	142°
Frame rate	30 fps
INTELLIGENT BATTERY	
Name	TB65
Capacity	5880 mAh
Tension	44.76 V
Cell type	Li-ion
Energy	263.2 Wh
Mass	approximately 1.35 kg
Working temperature	-20°C to 50°C
Storage temperature	22°C to 33°C
Charging temperature	-20°C to 40°C (At temperatures lower than 5°C, the heating function will turn on automatically. Charging the battery at low temperatures may affect its service life. Charging at a temperature of 15° to 35°C is recommended)
Charging time	Using 220V power, it takes approximately 60 minutes to fully charge two TB65 Intelligent Batteries and approximately 30 minutes to charge them from 20% to 90%.
CHARGING STATION	



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Dimensions	580×358×254 mm
Net weight	8.98 kg
Compatibility	TB65 battery WB37 battery
Input voltage	220-240VAC, 50-60Hz
Maximum input power	1070W
Output power	210-240V: 992W
Working temperature	-20°C to 40°C