

Aircraft

- Net Weight (with propellers and RTK module) ^[1]
- 951 g
- Max Takeoff Weight
- 1,050 g
- Dimensions (Folded/Unfolded)
- Folded (without propellers): 223×96.3×122.2 mm (Length×Width×Height)
Unfolded (without propellers): 347.5×283×139.6 mm (Length×Width×Height)
- Diagonal Length
- Diagonal: 380.1 mm
- Max Ascent Speed
- 6 m/s (Normal Mode)
8 m/s (Sport Mode)
- Max Descent Speed
- 6 m/s (Normal Mode)
6 m/s (Sport Mode)
- Max Flight Speed (at sea level, no wind)
- 15 m/s (Normal Mode)
Flying forward: 21 m/s, flying sideways: 20 m/s, flying backwards: 19 m/s (Sport mode) ^[2]
- Max Wind Speed Resistance
- 12 m/s ^[3]
- Max Take-off Altitude Above Sea Level
- 6000 m (without a payload)
- Max Flight Time (without wind)
- 43 minutes ^[4]
- Max Hover Time (without wind)
- 37 minutes ^[4]
- Max Flight Distance
- 32 km ^[6]
- Max Pitch Angle
- 30° (Normal Mode)
35° (Sport Mode)

- Max Angular Velocity
- 200°/s
- GNSS
- GPS + Galileo + BeiDou + GLONASS (GLONASS is supported only when RTK module is enabled)
- Hovering Accuracy Range
- Vertical: ±0.1 m (Vision Positioning enabled); ±0.5 m (GNSS Positioning enabled); ±0.1 m (D-RTK enabled)
Horizontal: ±0.3 m (Vision Positioning enabled); ±0.5 m (HD Positioning enabled); ±0.1 m (RTK enabled)
- Operating Temperature
- -10° to 40° C (14° to 104° F)
- Internal Storage
- N/A
- Motor Model Number
- 2008
- Propeller Model Number
- 9453F Enterprise Edition
- Light Sensor
- Built-in module

RGB Camera

- Image Sensor
- 4/3 CMOS
Effective Pixels: 20 MP
- Lens
- FOV: 84°
Equivalent focal length: 24 mm
Aperture: f/2.8 to f/11
Focus: 1 m to ∞
- ISO Range
- 100-6400
- Shutter speed
- Electronic shutter: 8-1/8000 s
Mechanical shutter: 8-1/2000 s

- Max Image Size
- 5280×3956
- Photo Shooting Mode
- Single shot: 20 MP
Timed: 20 MP
JPEG: 0.7/1/2/3/5/7/10/15/20/30/60 s
JPEG + RAW: 3/5/7/10/15/20/30/60 s
Panorama: 20 MP (original material)
- Video Resolution
- H.264:
4K: 3840×2160@30fps
FHD: 1920×1080@30fps
- Max Video Bitrate
- 4K: 130Mbps
FHD: 70Mbps
- Supported File System
- exFAT
- Image Format
- JPEG/DNG (RAW)
- Video Format
- MP4 (MPEG-4 AVC/H.264)

Multispectral Camera

- Image Sensor
- 1/2.8-inch CMOS, effective pixels: 5 MP
- Lens
- FOV: 73.91° (61.2° x 48.10°)
Equivalent focal length: 25 mm
Aperture: f/2.0
Focus: Fixed Focus
- Multispectral Camera Band
- Green (G): 560 ± 16 nm;
Red (R): 650 ± 16 nm;
Red Edge (RE): 730 ± 16 nm;
Near infrared (NIR): 860 ± 26 nm;
- Gain Range

- 1x-32x
- Shutter Speed
- Electronic Shutter: 1/30~1/12800 s
- Max Image Size
- 2592×1944
- Image Format
- TIFF
- Video Format
- MP4 (MPEG-4 AVC/H.264)
- Photo Shooting Mode
- Single shot: 5 MP
Timelapse: 5 MP
TIFF: 2/3/5/7/10/15/20/30/60 s
- Video Resolution
- H.264
FHD: 1920 x 1080@30fps
Video content: NDVI/GNDVI/NDRE
- Max Video Bitrate
- Stream: 60 Mbps

Gimbal

- Stabilization System
- 3-axis mechanical gimbal (tilt, roll, pan)
- Mechanical Range
- Tilt: -135° to 45°
Roll: -45° to 45°
Pan: -27° to 27°
- Controllable Range
- Tilt: -90° to 35°
Pan: Uncontrollable
- Max Control Speed (tilt)
- 100°/s
- Angular Vibration Range
- ±0.007°

Sensing System

- Sensing System Type
- Omnidirectional binocular vision system, with an infrared sensor at the bottom of the aircraft
- Forward
 - Distance Measuring Range: 0.5 m to 20 m
 - Detection Range: 0.5 m to 200 m
 - Effective Obstacle Avoidance Speed: Flight Speed ≤ 15 m/s
 - FOV: Horizontal 90° , vertical 103°
- Backward
 - Distance Measuring Range: 0.5 m to 16 m
 - Effective Obstacle Avoidance Speed: Flight speed ≤ 12 m/s
 - FOV: Horizontal 90° , vertical 103°
- Lateral
 - Distance Measuring Range: 0.5 m to 25 m
 - Effective Obstacle Avoidance Speed: Flight speed ≤ 15 m/s
 - FOV: Horizontal 90° , vertical 85°
- Upward
 - Distance Measuring Range: 0.2 m to 10 m
 - Effective Obstacle Avoidance Speed: Flight Speed ≤ 6 m/s
 - FOV: Front and rear 100° , left and right 90°
- Downward
 - Distance Measuring Range: 0.3 m to 18 m
 - Effective Obstacle Avoidance Speed: Flight speed ≤ 6 m/s
 - FOV: Front and rear 130° , left and right 160°
- Operating Environment
 - Front, Rear, Left, Right, Above: Surfaces with clear patterns and adequate lighting (> 15 lux, environments with normal indoor fluorescent light exposure)
 - Below: Surfaces with diffuse reflection material and a reflectivity of $>20\%$ (such as walls, trees, people, etc.); Adequate lighting (>15 lux, environments with normal indoor fluorescent light exposure)

Video Transmission

- Video Transmission System
- DJI O3 Image Transmission Industry Edition
- Live View Quality
- Remote Controller: 1080p/30fps

- Operating Band ^[7]
- 2.400-2.4835 GHz
5.725-5.850 GHz
- Max Effective Signal Distance (Unobstructed, No interference) ^[8]
- FCC: 15 km
CE: 8 km
SRRC: 8 km
MIC: 8 km
- Max Transmission Distance (Obstructed) ^[9]
- Strong Interference (urban landscapes, residential areas, etc.): 1.5-3 km (FCC/CE/SRRC/MIC)
Medium Interference (suburban landscapes, city parks, etc.): 3-9 km (FCC), 3-6 km (CE/SRRC/MIC)
Weak Interference (remote fields, open farmland, etc.): 9-15 km (FCC), 6-8 km (CE/SRRC/MIC)
- Max Download Speed
- 15 MB/s (with DJI RC Pro Industry Edition)
- Latency (depending on environment and mobile device)
- Approximately 200 milliseconds
- Antennas
- 4 antennas, 2 transmitting and 4 receiving
- Transmitter Power (EIRP)
- 2.4 GHz: <33 dBm (FCC), <20 dBm (CE/SRRC/MIC)
5.8 GHz: <33 dBm (FCC), <30 dBm (SRRC), <14 dBm (CE)
- Other
- Supports the DJI Cellular module

DJI RC Pro Enterprise Edition

- Image Transmission System
- DJI O3 Image Transmission Industry Edition
- Max Effective Signal Distance (Unobstructed, No interference) ^[8]
- FCC: 15 km
CE: 8 km
SRRC: 8 km
MIC: 8 km
- Operating Band of Image Transmission ^[7]

- 2.400-2.4835 GHz
5.725-5.850 GHz
- Antennas
- 4 antennas, 2 transmitting and 4 receiving
- Operating Band of Image Transmission and Transmitter Power (EIRP)
 - 2.4 GHz: <33 dBm (FCC); <20 dBm (CE/SRRC/MIC)
 - 5.8 GHz: <33 dBm (FCC); <14 dBm (CE); <23 dBm (SRRC)
- Wi-Fi Protocol
- 802.11 a/b/g/n/ac/ax
Support 2×2 MIMO Wi-Fi
- Wi-Fi Operating Band ^[7]
 - 2.400-2.4835 GHz
 - 5.150-5.250 GHz
 - 5.725-5.850 GHz
- Wi-Fi Operating Band and Transmitter Power (EIRP)
 - 2.4 GHz: <26 dBm (FCC); <20 dBm (CE/SRRC/MIC)
 - 5.1 GHz: <26 dBm (FCC); <23 dBm (CE/SRRC/MIC)
 - 5.8 GHz: <26 dBm (FCC/SRRC); <14 dBm (CE)
- Bluetooth Protocol
- Bluetooth 5.1
- Bluetooth Operating Band
 - 2.400-2.4835 GHz
- Bluetooth Transmitter Power (EIRP)
 - <10 dBm
- Screen Resolution
 - 1920×1080
- Screen Size
 - 5.5 inches
- Screen Frame Rate
 - 60 fps
- Screen Brightness
 - 1,000 nits
- Touch-Screen

- 10-point multi-touch
- Battery
- Lithium-ion battery (5000 mAh, 7.2 V)
- Charging Type
- 100W Battery Charging Hub or USB charger with 12V or 15V specifications is recommended
- Rated Power
- 12 Watts
- Storage Capacity
- Internal Memory (ROM): 64 GB
Supports microSD card usage to increase storage capacity
- Charging Time
- Approx. 1.5 hours (measured when only using the 100W Battery Charging Hub to charge the remote control, or when using a 15V USB charger)
Approximately 2 hours (measured using a 12V USB charger)
Approximately 2 hours and 50 minutes (measured using the 100W Battery Charging Hub to charge the aircraft and remote control at the same time)
- Operating Time
- Approx. 3 hours
- Video Output Port
- Mini-HDMI Port
- Operating Temperature
- -10° to 40° C (14° to 104°F)
- Storage Temperature Range
- <1 month: -30° to 60° C (-22° to 140° F)
One to three months: -30° to 45° C (-22° to 113° F)
Three to six months: -30° to 35° C (-22° to 95° F)
More than six months: -30° to 25° C (-22° to 77° F)
- Charging Temperature
- 5° to 40° C (41° to 104° F)
- Supported DJI Aircraft ^[10]
- DJI Mavic 3E
DJI Mavic 3T
DJI Mavic 3M
- GNSS

- GPS + Galileo + GLONASS
- Dimensions
- Antenna is folded and no control sticks are installed:
183.27×137.41×47.6 mm (Length×Width×Height)
Antenna unfolded and control sticks are installed:
183.27×203.35×59.84 mm (Length×Width×Height)
- Weight
- Approx. 680 g
- Model Number
- RM510B

Storage

- Supported microSD Cards
- Aircraft:
Please use a memory card with a speed rating of V30 or higher, or use a memory card from the recommended list
- Recommended microSD Cards
- Remote Controller:
 - SanDisk Extreme PRO 64GB V30 A2 microSDXC
 - SanDisk High Endurance 64GB V30 microSDXC
 - SanDisk Extreme 128GB V30 A2 microSDXC
 - SanDisk Extreme 256GB V30 A2 microSDXC
 - SanDisk Extreme 512GB V30 A2 microSDXC
 - Lexar 667x 64GB V30 A2 microSDXC
 - Lexar High-Endurance 64GB V30 microSDXC
 - Lexar High-Endurance 128GB V30 microSDXC
 - Lexar 667x 256GB V30 A2 microSDXC
 - Lexar 512GB V30 A2 microSDXC
 - Samsung EVO Plus 64GB V30 microSDXC
 - Samsung EVO Plus 128GB V30 microSDXC
 - Samsung EVO Plus 256GB V30 microSDXC
 - Samsung EVO Plus 512GB V30 microSDXC
 - Kingston Canvas Go! Plus 128GB V30 A2 microSDXC
 - Kingston Canvas React Plus 128GB V90 A1 microSDXC

Aircraft:

- SanDisk Extreme 32GB V30 A1 microSDHC
- SanDisk Extreme PRO 32GB V30 A1 microSDHC
- SanDisk Extreme 512GB V30 A2 microSDXC
- Lexar 1066x 64GB V30 A2 microSDXC
- Kingston Canvas Go! Plus 64GB V30 A2 microSDXC

Kingston Canvas React Plus 64GB V90 A1 microSDXC
Kingston Canvas Go! Plus 128GB V30 A2 microSDXC
Kingston Canvas React Plus 128GB V90 A1 microSDXC
Kingston Canvas React Plus 256GB V90 A2 microSDXC
Samsung PRO Plus 256GB V30 A2 microSDXC

Battery

- Capacity
- 5000 mAh
- Standard Voltage
- 15.4 V
- Max Charging Voltage
- 17.6 V
- Battery Type
- LiPo 4S
- Chemical System
- Lithium Cobalt
- Energy
- 77 watt-hours
- Weight
- 335.5 g
- Charging Temperature
- 5° to 40° C (41° to 104° F)

Battery Charger

- Input
- 100V to 240V (AC), 50Hz to 60Hz, 2.5A
- Output Power
- 100 Watts
- Output
- Maximum output power of 100 Watts (total)
When both the ports are used, the maximum output power of one interface is 82 W, and the charger will dynamically allocate the output power of the two interfaces according to load power.

Charging Hub

- Input
- USB-C: 5V to 20V, 5.0A
- Output
- Battery Port: 12V to 17.6V, 8.0A
- Rated Power
- 100 Watts
- Charging Type
- 3 batteries on charging rotation
- Charging Temperature
- 5° to 40° C (41° to 104° F)

RTK Module

- Dimensions
- 50.2×40.2×66.2 mm (Length×Width×Height)
- Weight
- 24±2 g
- Interface
- USB-C
- Power
- Approximately 1.2 watts
- RTK Position Accuracy
- Fixed RTK:
Horizontal: 1 cm + 1 ppm; Vertical: 1.5 cm + 1 ppm

Notes

- Footnotes
- 1. Standard weight of the aircraft (including battery, propellers, and microSD card). The actual product weight may vary due to differences in batch materials and external factors. Use for reference only.
- 2. The max speed in the EU cannot exceed 19 m/s.
- 3. Max wind resistance during takeoff and landing.
- 4. Data measured using the DJI Mavic 3M in a wind-free environment while flying at sea level at a constant speed of 36 kph until there was 0% power remaining. For reference only. Please pay attention to Return to Home prompts in the DJI Pilot 2 app when flying.
- 5. Data measured using the DJI Mavic 3M in a wind-free environment hovering over the sea level until there was 0% power remaining. For reference only. Please pay attention to Return to Home

prompts in the DJI Pilot 2 app when flying.

6. Data measured using the DJI Mavic 3M in a wind-free environment while flying at sea level at 57.6 kph until there was 0% power remaining. For reference only. Please pay attention to Return to Home prompts in the DJI Pilot 2 app when flying.

7. In some countries, the 5.1/5.8GHz frequencies are prohibited, or the 5.1GHz frequency is only allowed for indoor use. Please refer to local laws and regulations before use.

8. Data measured flying in an unobstructed outdoor environment free of interference. It shows the farthest communication range for one-way, non-Return to Home flights under each standard. Please pay attention to Return to Home prompts in the DJI Pilot 2 app when flying.

9. Data measured in an unobstructed environment with typical interference under various standards. The actual flight distance may vary and is for reference only.

10. The DJI RC Pro will support more DJI aircraft in the future.

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