

MAVIC 2 ENTERPRISESPECS

AIRCRAFT

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| Takeoff Weight(Without Accessories) | 905 g |
| Dimensions(L×W×H) | Folded : 214×91×84 mm Unfolded: 322×242×84 mm Unfolded+Spotlight : 322×242×114 mm Unfolded+Beacon : 322×242×101 mm Unfolded+Speaker : 322×242×140 mm |
| Diagonal Length | 354 mm |
| Max Ascent Speed | 5 m/s (S-mode[1]) 4 m/s (P-mode) 4 m/s (S-mode with accessories[1]) 4 m/s (P-mode with accessories) |
| Max Descent Speed | 3 m/s (S-mode[1]) 3 m/s (P-mode) |
| Max Speed (near sea level, no wind) | 72 kph (S-mode , without wind) 50 kph (P-mode , without wind) |
| Max Service Ceiling Above Sea Level | 6000 m |
| Max Flight Time (no wind) | 31 min (at a consistent speed of 25 kph) |
| Max Hovering Time (no wind) | 29 min 27 min (with beacon turned on) 28 min (with beacon turned off) 22 min (with spotlight turned on) 26 min (with spotlight turned off) 25 min (with speaker turned on) 26 min (with speaker turned off) |
| Max Wind Speed Resistance | 29–38 kph |
| Max Tilt Angle | 35° (S-mode, with remote controller) 25° (P-mode) |
| Max Angular Velocity | 200°/s (S-Mode) 100°/s (P-Mode) 200°/s (S-Mode) 100°/s (P-Mode) |
| Operating Temperature | -10°C to 40°C |

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| Range | |
| GNSS | GPS+GLONASS |
| Operating Temperature Range | Vertical: ±0.1 m (with Vision Positioning) ±0.5 m (with GPS Positioning) Horizontal: ±0.3m (with Vision Positioning) ±1.5 m (with GPS Positioning) |
| Operating Frequency | 2.400 - 2.4835 GHz 5.725 - 5.850 GHz |
| Transmission Power (EIRP) | 2.400 - 2.4835 GHz FCC : ≤26 dBm CE : ≤20 dBm SRRC : ≤20 dBm MIC : ≤20 dBm 5.725-5.850 GHz FCC : ≤26 dBm CE : ≤14 dBm SRRC : ≤26 dBm |
| Internal Storage | 24 GB |

SENSING SYSTEM

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| Sensing System | Omnidirectional Obstacle Sensing [2] |
| Forward | Precision Measurement Range: 0.5 - 20 m Detectable Range: 20 - 40 m Effective Sensing Speed: ≤ 14m/s FOV: Horizontal: 40°, Vertical: 70° |
| Backward | Precision Measurement Range: 0.5 - 16 m Detectable Range: 16 - 32 m Effective Sensing Speed: ≤ 12m/s FOV: Horizontal: 60°, Vertical: 77° |
| Upward | Precision Measurement Range: 0.1 - 8 m |
| Downward | Precision Measurement Range: 0.5 - 11 m Detectable Range: 11 - 22 m |
| Sides | Precision Measurement Range: 0.5 - 10 m Effective Sensing Speed: ≤ 8m/s FOV: Horizontal: 80°, Vertical: 65° |
| Operating Environment | Forward, Backward and Sides: Surface with clear pattern and adequate lighting (lux > 15) Upward: |

Detects diffuse reflective surfaces (>20%)
(walls, trees, people, etc.)
Downward:
Surface with clear pattern and adequate lighting (lux > 15)
Detects diffuse reflective surfaces (>20%)
(walls, trees, people, etc.)

REMOTE CONTROLLER

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|---|---|
| Operating Frequency | 2.400 - 2.483 GHz; 5.725 - 5.850 GHz |
| Max Transmission | 2.400 - 2.483 GHz; 5.725 - 5.850 GHz |
| Distance(Unobstructed, free of interference) | FCC: 8000 m CE: 5000 m SRRC: 5000 m MIC: 5000 m |
| Operating Temperature Range | 0°C to 40°C |
| Transmitter Power(EIRP) | 2.4 - 2.4835 GHz FCC : ≤26 dBm ; CE : ≤20 dBm ; SRRC : ≤20 dBm MIC : ≤20 dBm 5.725 - 5.850 GHz FCC : ≤26 dBm ; CE : ≤14 dBm ; SRRC : ≤26 dBm |
| Battery | 3950mAh |
| Charging Time | 2 hours 15 min |
| Operating Current/Voltage | 1800mA = 3.83V |
| Mobile Device Holder | Thickness Supported:6.5-8.5 mm , Max length: 160 mm |
| RC Size | Folded : 145×80×48 mm (L×W×H) Unfolded: 190×115×100 mm (L×W×H) |
| Supported USB port types | Lightning, Micro USB (Type-B), USB Type-C™ |

M2E SPOTLIGHT

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|-----------------|------------------------------------|
| Dimensions | 68x60x41 mm |
| Port Type | USB Micro-B |
| Operating Range | 30 m |
| Power | Max 26W |
| Illuminance | FOV17°, Max : 11lux @ 30m Straight |

M2E BEACON

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|--------------------|---|
| Dimensions | 68x40x27.8 mm |
| Port Type | USB Micro-B |
| Power | Avg. 1.6W |
| Controllable Range | 5000 m |
| Light intensity | Min Angle : 55 cd ; Light intensity : 157 cd |

M2E SPEAKER

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|------------|---------------------------|
| Dimensions | 68x55x65 mm |
| Port Type | USB Micro-B |
| Power | Max 10W |
| Decibel | 100 db @ 1 meter distance |
| Bitrate | 16 kbps |

FOOTNOTES

Footnotes [1] Remote controller required.

[2] Omnidirectional Obstacle Sensing includes left/right, up/down, and forward/backward obstacle sensing. Sensing for left/right directions is only available in ActiveTrack or Tripod Mode. Omnidirectional Obstacle Sensing does not fully cover the circumference of a 360-degree arc. And left and right obstacle sensing system only works in specific modes and environments. DJI warranty does not cover any loss caused by crashing when flying left or right, even when ActiveTrack or Tripod mode is activated. Please be aware of your surroundings and App notifications when operating the Mavic 2 to ensure safety. These specs have been determined through tests conducted with the latest firmware. Firmware updates can enhance performance, so updating to the latest firmware is highly recommended."

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GIMBAL

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| Mechanical Range | Tilt: -135 – +45° Pan: -100 – +100° |
| Controllable Range | Tilt: -90 – +30° |

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| | Pan: -75 – +75° |
| Stabilization | 3-axis (tilt, roll, pan) |
| Max Control Speed (tilt) | 120°/s |
| Angular Vibration Range | ±0.005° |

CAMERA

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| Sensor | 1/2.3" CMOS ; Effective pixels:12 Megapixels |
| Lens | FOV : 82.6°(24 mm) ; 47.8°(48 mm) Format equivalent : 24-48 mm Aperture : f/2.8(24 mm)-f/3.8(48 mm) Auto focus at : 0.5 - ∞ |
| ISO Range | Video : 100-3200 Photo : 100-1600(Auto) 100-3200(Manual) |
| Shutter Speed | 8-1/8000s |
| Still Image Size | 4000×3000 |
| Still Photography Modes | Single shot Burst shooting: 3/5/7 frames Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias Interval (JPEG: 2/3/5/7/10/15/20/30/60s RAW:5/7/10/15/20/30/60s) |
| Video Resolution | 4K: 3840×2160 24/25/30p 2.7K: 2720×1530 24/25/30/48/50/60p FHD: 1920×1080 24/25/30/48/50/60/120p |
| Max Video Bitrate | 100 Mbps |
| Color Mode | D-Cinelike |
| Supported File System | FAT32(≤ 32 GB) ; exFAT(> 32 GB) |
| Photo Format | JPEG , DNG (RAW) |
| Video Format | MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265) |

CHARGER

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| Input | 100-240V , 50-60Hz , 1.8A |
| Output | Main: 17.6V = 3.41A or 17.0V=3.53 USB: 5 V = 2 A |

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| Voltage | 17.6±0.1V |
| Rated Power | 60W |

INTELLIGENT FLIGHT BATTERY

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| Capacity | 3850 mAh |
| Voltage | 15.4 V |
| Max Charging Voltage | 17.6 V |
| Battery Type | LiPo |
| Energy | 59.29 Wh |
| Net Weight | 297 g |
| Charging Temperature | 5°C - 40°C |
| Operating Temperature Range | -10°C to 40°C |
| Heating Methods | Manual Heating ; Auto Heating |
| Heating Temperature | -10°C to 6°C |
| Heating duration: | 500s (Max) |
| Heating Power | 55W (Max) |
| Charging Time | 90 min |
| Max Charging Power | 80W |

APP / LIVE VIEW

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| Video Transmission System | OcuSync 2.0 |
| Mobile App | DJI PILOT |
| Live View Quality | Remote Controller: 720p@30fps / 1080p@30fps |
| Max Live View Bitrate | 40 Mbps |
| Latency | 120 - 130 ms |
| Required Operating Systems | ios 9.0 or later Android 4.4.0 or later |

SUPPORTED SD CARDS

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| Supported SD Cards | Micro SD™ Supporting Micro SD with capacity up to 128 GB and R/W speed up |
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to UHS-I Speed Grade 3