

MAVIC 2 ENTERPRISE

AIRCRAFT

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 Range	-10°C to 40°C
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 CE : ≤20 dBm CE : ≤14 dBm
Internal Storage	24 GB

GIMBAL

Mechanical Range	Tilt: -135 – +45° Pan: -100 – +100°
Controllable Range	Tilt: -90 – +30° Pan: -75 – +75°
Stabilization	3-axis (tilt, roll, pan)
Max Control Speed (tilt)	120°/s
Angular Vibration Range	±0.005°



CAMERA

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

Input	100-240V, 50-60Hz, 1.8A
Output	Main: 17.6V = 3.41A or 17.0V=3.53 USB: 5 V = 2 A
Voltage	17.6±0.1V
Rated Power	60W

INTELLIGENT FLIGHT BATTERY

Capacity	3850 mAh
Voltage	15.4 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



SENSING SYSTEM

Sensing System	Omnidirectional Obstacle Sensing [2]
Forward	Precision Measurement Range: 0.5 - 20 m Detectable Range: 20 - 40 m Effective Sensing Speed: $\leq 14\text{m/s}$ FOV: Horizontal: 40°, Vertical: 70°
Backward	Precision Measurement Range: 0.5 - 16 m Detectable Range: 16 - 32 m Effective Sensing Speed: $\leq 12\text{m/s}$ 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: $\leq 8\text{m/s}$ 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

Operating Frequency	2.400 - 2.483 GHz; 5.725 - 5.850 GHz
Max Transmission Distance(Unobstructed, free of interference)	2.400 - 2.483 GHz; 5.725 - 5.850 GHz CE: 5000 m
Operating Temperature Range	0°C to 40°C
Transmitter Power(EIRP)	2.4 - 2.4835 GHz CE : ≤20 dBm 5.725 - 5.850 GHz CE : ≤14 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

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

M2E BEACON

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

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

