

# Mavic 2 Enterprise Series

## Specifications

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### Aircraft

- **Takeoff Weight(Without Accessories)**

Zoom Edition:905 g

Dual Edition:899 g

- **Max Takeoff Weight**

1100 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<sup>[1]</sup>)

4 m/s (P-mode)

4 m/s (S-mode with accessories<sup>[1]</sup>)

4 m/s (P-mode with accessories)

- **Max Descent Speed**

3 m/s (S-mode<sup>[1]</sup>)

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)

# Mavic 2 Enterprise Series

## Specifications

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### Aircraft Contin...

- **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
- **Hovering Accuracy 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    MIC : ≤20 dBm5.725-5.850GHz  
 FCC : ≤26 dBm    FCC : ≤26 dBm  
 CE : ≤20 dBm    CE : ≤14 dBm  
 SRRC : ≤20 dBm    SRRC : ≤26 dBm
- **Internal Storage**  
 24 GB

# Mavic 2 Enterprise Series

## Specifications

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### M2ED Thermal Camera

- **Sensor**  
Uncooled VOx Microbolometer
- **Lens**  
HFOV: 57°  
Aperture: f/1.1
- **Sensor Resolution**  
160×120
- **Pixel Pitch**  
12 μm
- **Spectral Band**  
8-14 μm
- **Image Size [2]**  
640×480 (4:3);  
640×360 (16:9)
- **Still Photography Modes**  
Single shot  
Burst shooting: 3/5/7 frames
- **Video Recording Modes**  
640×360 @8.7fps
- **Accuracy**  
High Gain: Max ±5% (typical)  
Low Gain: Max ±10% (typical)
- **Scene Range**  
High Gain: -10° to +140°C  
Low Gain: -10°to +400°C
- **Photo**  
JPEG
- **Video**  
MP4, MOV (MPEG-4 AVC/H.264)

# Mavic 2 Enterprise Series

## Specifications

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### M2ED Visual Camera

- **Sensor**  
1/2.3" CMOS; Effective pixels: 12M
- **Lens**  
FOV: approx. 85°  
35 mm format equivalent: 24 mm  
Aperture: f/2.8  
Focus: 0.5 m to ∞
- **ISO Range**  
Video: 100-12800 (auto)  
Photo: 100-1600 (auto)
- **Max Image Size**  
4056×3040 (4:3) ; 4056×2280 (16:9)
- **Still Photography Modes**  
Single shot  
Burst shooting: 3/5/7 frames  
Interval (2/3/5/7/10/15/20/30/60 s)
- **Video Recording Modes**  
4K Ultra HD : 3840×2160 30p  
2.7K : 2688×1512 30p  
FHD : 1920×1080 30p
- **Max Video Bitrate**  
100 Mbps
- **Photo**  
JPEG
- **Video Format**  
MP4, MOV (MPEG-4 AVC/H.264)

# Mavic 2 Enterprise Series

## Specifications

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### M2E 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)  
100-12800(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
- **Supported File System**  
FAT32(≤ 32 GB ) ; exFAT(> 32 GB)
- **Photo Format**  
JPEG, DNG (RAW)
- **Video Format**  
MP4 / MOV (MPEG-4 AVC/H.264)

# Mavic 2 Enterprise Series

## Specifications

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### 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°

### Sensing System

- **Sensing System**  
Omnidirectional Obstacle Sensing [3]
- **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

# Mavic 2 Enterprise Series

## Specifications

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### Sensing System Contin...

- **Sides**  
Precision Measurement Range: 0.5 - 10 m  
Effective Sensing Speed:  $\leq 8\text{m/s}$   
FOV: Horizontal:  $80^\circ$ , Vertical:  $65^\circ$
- **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  
FCC: 10000 m  
CE: 6000 m  
SRRRC: 6000 m  
MIC: 6000 m
- **Operating Temperature Range**  
0°C to 40°C
- **Transmitter Power(EIRP)**  
2.4 - 2.4835 GHz  
FCC :  $\leq 26\text{ dBm}$  ; CE :  $\leq 20\text{ dBm}$  ; SRRRC :  $\leq 20\text{ dBm}$  MIC :  $\leq 20\text{ dBm}$   
5.725 - 5.850 GHz  
FCC :  $\leq 26\text{ dBm}$  ; CE :  $\leq 14\text{ dBm}$  ; SRRRC :  $\leq 26\text{ dBm}$
- **Battery**  
3950mAh
- **Charging Time**  
2 hours 15 min

# Mavic 2 Enterprise Series

## Specifications

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### Remote Controller Contin...

- **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™

### Intelligent Flight Battery

- **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**  
-20°C to 6°C



# Mavic 2 Enterprise Series

## Specifications

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### Intelligent Flight Battery Contin....

- **Heating duration**  
600s (Max)
- **Heating Power**  
35W (Max)
- **Charging Time**  
90 min
- **Max Charging Power**  
80W

### 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

### 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

# Mavic 2 Enterprise Series

## Specifications

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### M2E Spotlight

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

### M2E Speaker

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

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## Specifications

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### APP / Live View

- **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 10.0 or later Android 5.0 or later

### Supported SD Cards

- **Supported SD Cards**  
Micro SD™  
Supports a microSD with capacity of up to 128 GB. A UHS-I Speed Grade 3 rating microSD card is required.

# Mavic 2 Enterprise Series

## Specifications

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### Footnotes

- **Footnotes**

[1] Remote controller required.

[2] Due to real-time digital enhancements, the photo and video size of the thermal data is larger than the sensor's native resolution.

[3] 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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