

# Mavic 2 Pro tehniskā specifikācija

## Mavic 2 Pro Camera

|                         |  |
|-------------------------|--|
| Sensor                  | 1" CMOS<br>Effective Pixels: 20 million  |
| Lens                    | FOV: about 77°<br>35 mm Format Equivalent: 28 mm<br>Aperture: f/2.8-f/11<br>Shooting Range: 1 m to ∞   |
| ISO Range               | Video:<br>100-6400<br>Photo:<br>100-3200 (auto)<br>100-12800 (manual)  |
| Shutter Speed           | Electronic Shutter: 8-1/8000s  |
| Still Image Size        | 5472×3648  |
| Still Photography Modes | Single shot<br>Burst shooting: 3/5 frames<br>Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7<br>EV Bias<br>Interval (JPEG: 2/3/5/7/10/15/20/30/60s<br>RAW:5/7/10/15/20/30/60s) |
| Video Resolution        | 4K: 3840×2160 24/25/30p<br>2.7K: 2688×1512 24/25/30/48/50/60p<br>FHD: 1920×1080 24/25/30/48/50/60/120p   |
| Max Video Bitrate       | 100Mbps  |
| Color Mode              | Dlog-M (10bit), support HDR video (HLG 10bit)  |
| Supported File System   | FAT32 (≤ 32 GB)<br>exFAT (> 32 GB)   |
| Photo Format            | JPEG / DNG (RAW)   |
| Video Format            | MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265)   |

# Aircraft

|                                     |   |
|-------------------------------------|---|
| Takeoff Weight                      | Mavic 2 Pro: 907 g<br>Mavic 2 Zoom: 905g  |
| Dimensions                          | Folded:<br>214×91×84 mm (length×width×height)<br>Unfolded:<br>322×242×84 mm (length×width×height)                         |
| Diagonal Distance                   | 354 mm  |
| Max Ascent Speed                    | 5 m/s (S-mode)<br>4 m/s (P-mode)  |
| Max Descent Speed                   | 3 m/s (S-mode)<br>3 m/s (P-mode)  |
| Max Speed (near sea level, no wind) | 72 kph (S-mode)   |
| Maximum Takeoff Altitude            | 6000 m  |
| Max Flight Time (no wind)           | 31 minutes (at a consistent 25 kph)   |
| Max Hovering Time (no wind)         | 29 minutes  |
| Max Flight Distance (no wind)       | 18 km (at a consistent 50 kph)  |
| Max Wind Speed Resistance           | 29–38 kph   |
| Max Tilt Angle                      | 35° (S-mode, with remote controller) 25° (P-mode)   |
| Max Angular Velocity                | 200°/s  |
| Operating Temperature Range         | -10°C to 40°C   |
| Operating Frequency                 | 2.400 - 2.483 GHz<br>5.725 - 5.850 GHz  |
| Transmission Power (EIRP)           | 2.400 - 2.483 GHz<br>FCC : ≤26 dBm<br>CE : ≤20 dBm<br>SRRC : ≤20 dBm<br>MIC : ≤20 dBm<br>5.725-5.850 GHz<br>FCC : ≤26 dBm |

CE :  $\leq 14$  dBm  
SRRC :  $\leq 26$  dBm

## GNSS

GPS+GLONASS

## Hovering Accuracy Range

Vertical:  
 $\pm 0.1$  m (when vision positioning is active)  
 $\pm 0.5$  m (with GPS positioning)  
Horizontal:  
 $\pm 0.3$  m (when vision positioning is active)  
 $\pm 1.5$  m (with GPS positioning)

## Internal Storage

8 GB

# Sensing System

## Sensing System

Omnidirectional Obstacle Sensing<sup>1</sup>

## Forward

Precision Measurement Range: 0.5 - 20 m  
Detectable Range: 20 - 40 m  
Effective Sensing Speed:  $\leq 14$  m/s  
FOV: Horizontal: 40°, Vertical: 70°

## Backward

Precision Measurement Range: 0.5 - 16 m  
Detectable Range: 16 - 32 m  
Effective Sensing Speed:  $\leq 12$  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:  $\leq 8$  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.)

## Charger

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

## APP

|   |  |
|---|--|
| Video Transmission System   | OcuSync 2.0  |
| Name  | DJI GO 4   |
| Live View Quality   | Remote Controller:<br>720p@30fps / 1080p@30fps<br>DJI Goggles:<br>720p@30fps / 1080p@30fps DJI Goggles RE:<br>720p@30fps / 1080p@30fps |
| Latency (depending on environmental conditions and mobile device) | 120 - 130 ms   |
| Max Live View Bitrate   | 12Mbps   |

## Mavic 2 Zoom Camera

|           |   |
|-----------|---|
| Sensor    | 1/2.3" CMOS<br>Effective Pixels: 12 million   |
| Lens      | FOV: about 83° (24 mm); about 48° (48 mm)<br>35 mm Format Equivalent: 24-48 mm<br>Aperture: f/2.8 (24 mm)-f/3.8 (48 mm)<br>Shooting Range: 0.5 m to ∞ |
| ISO Range | Video:<br>100-3200<br>Photo:  |

|                         |   |
|-------------------------|---|
|                         | 100-1600 (auto)<br>100-3200 (manual)  |
| Shutter Speed           | Electronic Shutter: 8–1/8000s   |
| Still Image Size        | 4000×3000   |
| Still Photography Modes | Single shot<br>Burst shooting: 3/5/7 frames<br>Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias<br>Interval (JPEG: 2/3/5/7/10/15/20/30/60s<br>RAW:5/7/10/15/20/30/60s) |
| Video Resolution        | 4K: 3840×2160 24/25/30p<br>2.7K: 2688×1512 24/25/30/48/50/60p<br>FHD: 1920×1080 24/25/30/48/50/60/120p  |
| Max Video Bitrate       | 100Mbps   |
| Color Mode              | D-Cinelike  |
| Supported File System   | FAT32 (≤ 32 GB)<br>exFAT (> 32 GB)  |
| Photo Format            | JPEG / DNG (RAW)  |
| Video Format            | MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265)  |

## 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  | ±0.01° (Mavic 2 Pro)<br>±0.005° (Mavic 2 Zoom) |

## 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<br>FCC: 10000 m<br>CE: 6000 m<br>SRRC: 6000 m<br>MIC: 6000 m  |
| Operating Temperature Range                                    | 0°C - 40°C   |
| Transmission Power (EIRP)                                      | 2.400 - 2.483 GHz<br>FCC: ≤26 dBm<br>CE: ≤20 dBm<br>SRRC: ≤20 dBm<br>MIC: ≤20 dBm<br>5.725-5.850 GHz<br>FCC: ≤26 dBm<br>CE: ≤14 dBm<br>SRRC: ≤26 dBm |
| Battery  | 3950 mAh   |
| Operating Current/Voltage                                      | 1800 mA = 3.83 V   |
| Supported Mobile Device Size                                   | Max length: 160 mm; max thickness: 6.5–8.5 mm  |
| Supported USB Port Types                                       | Lightning, Micro USB (Type-B), USB-C   |

## Intelligent Flight Battery

|                            |             |
|----------------------------|-------------|
| Capacity                   | 3850 mAh    |
| Voltage                    | 15.4 V      |
| Max Charging Voltage       | 17.6 V      |
| Battery Type               | LiPo 4S     |
| Energy                     | 59.29 Wh    |
| Net Weight                 | 297 g       |
| Charging Temperature Range | 5°C to 40°C |
| Max Charging Power         | 80 W        |

## 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.

## Recommended microSD Cards

32G

Sandisk V30

Sandisk Extreme V30 Pro

64G

Sandisk Extreme Pro V30

128G

Sandisk Extreme V30

Sandisk Extreme Pro V30

Kingston Canvas Go!

Kingston Canvas React

# Footnotes

## Footnotes

[1] Omnidirectional Obstacle Sensing includes left/right, up/down, and forward/backward obstacle sensing. Sensing for left/right directions is only available in ActiveTrack , POI, QuickShot and 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.