

MAVIC 2 SPECS

Mavic 2 Pro & Mavic 2 Zoom

MAVIC 2 PRO & MAVIC 2 ZOOM

MAVIC 2 PRO CAMERA

| | |
|-------------------------|---|
| Sensor | 1" CMOS Effective Pixels: 20 million |
| Lens | FOV: about 77° 35 mm Format Equivalent: 28 mm Aperture: f/2.8-f/11 Shooting Range: 1 m to ∞ |
| ISO Range | Video: 100-6400 Photo: 100-3200 (auto) 100-12800 (manual) |
| Shutter Speed | Electronic Shutter: 8-1/8000s |
| Still Image Size | 5472×3648 |
| Still Photography Modes | Single shot Burst shooting: 3/5 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: 2688×1512 24/25/30/48/50/60p 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) exFAT (> 32 GB) |
| Photo Format | JPEG / DNG (RAW) |
| Video Format | MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265) |

MAVIC 2 ZOOM CAMERA

| | |
|-------------------------|---|
| Sensor | 1/2.3" CMOS Effective Pixels: 12 million |
| Lens | FOV: about 83° (24 mm); about 48° (48 mm) 35 mm Format Equivalent: 24-48 mm Aperture: f/2.8 (24 mm)-f/3.8 (48 mm) Shooting Range: 0.5 m to ∞ |
| ISO Range | Video: 100-3200 Photo: 100-1600 (auto) 100-3200 (manual) |
| Shutter Speed | Electronic Shutter: 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: 2688×1512 24/25/30/48/50/60p FHD: 1920×1080 24/25/30/48/50/60/120p |
| Max Video Bitrate | 100Mbps |
| 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) |

AIRCRAFT

| | |
|-------------------------------------|--|
| Takeoff Weight | Mavic 2 Pro: 907 g Mavic 2 Zoom: 905g |
| Dimensions | Folded: 214×91×84 mm (length×width×height) Unfolded: 322×242×84 mm (length×width×height) |
| Diagonal Distance | 354 mm |
| Max Ascent Speed | 5 m/s (S-mode) 4 m/s (P-mode) |
| Max Descent Speed | 3 m/s (S-mode) 3 m/s (P-mode) |
| Max Speed (near sea level, no wind) | 72 kph (S-mode) |
| Max Service Ceiling Above Sea Level | 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 - 40°C |
| Operating Frequency | 2.400 - 2.483 GHz 5.725 - 5.850 GHz |
| Transmission Power (EIRP) | 2.400 - 2.483 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 |

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) ±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 FCC: 8000 m CE: 5000 m SRRC: 5000 m MIC: 5000 m |
| Operating Temperature Range | 0°C - 40°C |
| Transmission Power (EIRP) | 2.400 - 2.483 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 | 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 |

| | |
|-------------------------|--|
| Hovering Accuracy Range | Vertical: ± 0.1 m (when vision positioning is active) ± 0.5 m (with GPS positioning) Horizontal: ± 0.3 m (when vision positioning is active) ± 1.5 m (with GPS positioning) |
| Internal Storage | 8 GB |

SENSING SYSTEM

| | |
|-----------------------|--|
| Sensing System | Omnidirectional Obstacle Sensing ¹ |
| 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.) |

CHARGER

| | |
|-------------|---|
| Input | 100-240 V, 50/60 Hz, 1.8A |
| Output | Main: 17.6 V ~ 3.41 A or 17.0 V ~ 3.53 A USB: 5 V ~ 2A |
| 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: 720p@30fps / 1080p@30fps DJI Goggles: 720p@30fps / 1080p@30fps DJI Goggles RE: 720p@30fps / 1080p@30fps |
| Latency (depending on environmental conditions and mobile device) | 120 - 130 ms |
| Max Live View Bitrate | 40Mbps |
| Required Operating System | iOS 9.0 or later Android 5.0 or later |

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 - 40°C |
| Max Charging Power | 80 W |

SUPPORTED SD CARDS

| | |
|---------------------------|---|
| Supported SD Cards | Micro SD™ Supporting Micro SD with capacity up to 1 speed up to UHS-I Speed Grade 3 |
| Recommended microSD Cards | 32G Sandisk V30 Sandisk Extreme V30 Pro 64G Sandisk Extreme Pro V30 128G Sandisk Extreme V30 Sandisk Extreme Pro V30 Kingston |