

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)

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

GNSS GPS+GLONASS

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:

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

Backward Precision Measurement Range: 0.5 - 16 m
Detectable Range: 16 - 32 m
Effective Sensing Speed: ≤ 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: ≤ 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=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: 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 4.4 or later

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 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.

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)

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

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 128 GB and R/W speed up to UHS-I Speed Grade 3