

# Mavic 2 Pro

## 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)
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  
5.725 - 5.850 GHz

Transmission Power (EIRP)  
2.400 - 2.483 GHz  
FCC :  $\leq 26$  dBm  
CE :  $\leq 20$  dBm  
SRRC :  $\leq 20$  dBm  
MIC :  $\leq 20$  dBm  
5.725-5.850 GHz  
FCC :  $\leq 26$  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: $\leq 8\text{m/s}$ 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.)

## 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 $\pm$ 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 12Mbps

## 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: 10000 m  
CE: 6000 m  
SRRC: 6000 m  
MIC: 6000 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 to 40°C
Max Charging Power	80 W