

MAVIC AIR SPECIFICATIONS

AIRCRAFT

Takeoff Weight	430 g
Dimensions	Folded: 168×83×49 mm (L×W×H) Unfolded: 168×184×64 mm (L×W×H)
Diagonal Distance	213 mm
Max Ascent Speed	4 m/s (S - mode ^[1]) 2 m/s (P - mode) 2 m/s (Wi-Fi mode)
Max Descent Speed	3 m/s (S - mode ^[1]) 1.5 m/s (P - mode) 1 m/s (Wi-Fi mode)
Max Speed (near sea level, no wind)	68.4 kph (S - mode ^[1]) 28.8 kph (P - mode) 28.8 kph (Wi-Fi mode)
Max Service Ceiling Above Sea Level	5000 m
Max Flight Time (no wind)	21 minutes (at a consistent 25 kph)
Max Hovering Time (no wind)	20 minutes
Max Flight Distance (no wind)	10 km
Max Wind Speed Resistance	29 - 38 kph

Max Tilt Angle	35 °(S - mode ^[1]) 15 °(P - mode)
Max Angular Velocity	250 %s (S - mode ^[1]) 250 %s (P - mode)
Operating Temperature Range	0 °C - 40 °C
Operating Frequency	2.400 - 2.4835 GHz 5.725 - 5.850 GHz
Transmission Power (EIRP)	2.400 - 2.4835 GHz FCC: ≤28 dBm CE: ≤19 dBm SRRC: ≤19 dBm MIC: ≤19 dBm 5.725 - 5.850 GHz FCC: ≤31 dBm CE: ≤14 dBm SRRC: ≤27 dBm
GNSS	GPS + GLONASS
Hovering Accuracy Range	Vertical: ±0.1 m (with Vision Positioning) ±0.5 m (with GPS Positioning) Horizontal: ±0.1 m (with Vision Positioning) ±1.5 m (with GPS Positioning)
Internal Storage	8 GB

SENSING SYSTEM

Forward
Precision Measurement Range: 0.5 - 12 m
Detectable Range: 0.5 - 24 m
Effective Sensing Speed: ≤ 8 m/s
Field of View (FOV): Horizontal 50° ; Vertical $\pm 19^\circ$

Backward
Precision Measurement Range: 0.5 - 10 m
Detectable Range: 0.5 - 20 m
Effective Sensing Speed: ≤ 8 m/s
Field of View (FOV): Horizontal 50° ; Vertical $\pm 19^\circ$

Downward
Altitude Range: 0.1 - 8 m
Operating Range: 0.5 - 30 m

Operating Environment

Forward:
Surface with clear pattern and adequate lighting (lux > 15)

Backward:
Surface with clear pattern and adequate lighting (lux > 15)

Downward:
Detects clearly patterned surfaces with adequate lighting (lux > 15)
and diffuse reflectivity (>20%)

REMOTE CONTROLLER

Operating Frequency
2.400 - 2.4835 GHz
5.725 - 5.850 GHz

Max Transmission Distance (unobstructed,
free of interference)

2.400 - 2.4835 GHz:
FCC: 4000 m
CE: 2000 m
SRRC: 2000 m
MIC: 2000 m

5.725 - 5.850 GHz:
FCC: 4000 m

	CE: 500 m SRRC: 2500 m
Operating Temperature Range	0°C - 40°C
Transmission Power (EIRP)	2.400 - 2.4835 GHz: FCC : ≤26 dBm CE: ≤18 dBm SRRC: ≤18 dBm MIC: ≤18 dBm 5.725 - 5.850 GHz: FCC: ≤30 dBm CE: ≤14 dBm SRRC: ≤26 dBm
Battery	2970 mAh
Operating Current/Voltage	1400 mA = 3.7 V (Android) 750 mA = 3.7 V (iOS)
Supported Mobile Device Size	Max length: 160 mm Supported Thickness: 6.5-8.5 mm
Supported USB Port Types	Lightning, Micro USB (Type-B), USB-C

CHARGER

Input	100 - 240 V, 50/60 Hz, 1.4 A
Output	Main: 13.2 V = 3.79 A USB: 5 V = 2 A
Voltage	13.2 V
Rated Power	50 W

APP

Video Transmission System

Enhanced Wi-Fi

Name

DJI GO 4

Live View Quality

Remote Controller:

720p@30fps

Smart Device:

720p@30fps

DJI Goggles:

720p@30fps

Latency (depending on environmental conditions and mobile device)

170 - 240 ms

FOOTNOTES

Footnotes

[1] Remote controller required.

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.

GIMBAL

Mechanical Range

Tilt: -100 ° to 22 °

Roll: -30 ° to 30 °

Pan: -12 ° to 12 °

Controllable Range

Tilt: -90 ° to 0 ° (default setting)

-90 ° to +17 ° (extended)

Stabilization

3-axis (tilt, roll, pan)

Max Control Speed (tilt) 120 %s

Angular Vibration Range $\pm 0.005^\circ$

CAMERA

Sensor 1/2.3" CMOS
Effective Pixels: 12 MP

Lens FOV: 85°
35 mm Format Equivalent: 24 mm
Aperture: f/2.8
Shooting Range: 0.5 m to ∞

ISO Range Video:
100 - 3200 (auto)
100 - 3200 (manual)

Photo:
100 - 1600 (auto)
100 - 3200 (manual)

Shutter Speed Electronic Shutter: 8 - 1/8000s

Still Image Size 4:3: 4056×3040
16:9: 4056×2280

Still Photography Modes Single shot
HDR
Burst shooting: 3/5/7 frames
Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7EV
Bias
Interval: 2/3/5/7/10/15/20/30/60 s
Pano: 3×1: $42^\circ \times 78^\circ$, 2048×3712 (W×H)
3×3: $119^\circ \times 78^\circ$, 4096×2688 (W×H)

	180 ° 251 °×88 °, 6144×2048 (W×H) Sphere (3×8+1): 8192×4096 (W×H)
Video Resolution	4K Ultra HD: 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 HD: 1280×720 24/25/30/48/50/60/120p
Max Video Bitrate	100Mbps
Supported File System	FAT32
Photo Format	JPEG/DNG (RAW)
Video Format	MP4/MOV (H.264/MPEG-4 AVC)

MOBILE DEVICE CONTROL

Operating Frequency	2.400 - 2.4835 GHz 5.725 - 5.850 GHz
Max Transmission Distance (unobstructed, free of interference)	Distance: 80 m Height: 50 m

INTELLIGENT FLIGHT BATTERY

Capacity	2375 mAh
Voltage	11.55 V
Max Charging Voltage	13.2 V
Battery Type	LiPo 3S
Energy	27.43 Wh

Net Weight	140 g
Charging Temperature Range	5°C - 40°C
Max Charging Power	60 W

SUPPORTED SD CARDS

Supported SD Cards	microSD Class 10 or UHS-1 rating required
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Recommended microSD Cards	16G Sandisk Extreme Kingston 16GB SDHC-I SDCAC/16GB
	32G Sandisk Extreme V30 Sandisk Extreme V30 A1 Sandisk Extreme V30 Pro A1
	64G Sandisk Extreme V30 A1 Sandisk Extreme Pro V30 A1
	128G Sandisk Extreme V30 A1 Sandisk Extreme Plus V30 A1