

MAVIC MINI

Aircraft

Takeoff Weight ^[1]	249 g
Dimensions	Folded: 140×81×57 mm (L×W×H) Unfolded: 159×202×55 mm (L×W×H) Unfolded (with propellers): 245×289×55 mm (L×W×H)
Diagonal Distance	213 mm
Max Ascent Speed	4 m/s (S Mode) 2 m/s (P Mode) 1.5 m/s (C Mode)
Max Descent Speed	3 m/s (S Mode) 1.8 m/s (P Mode) 1 m/s (C Mode)
Max Speed (near sea level, no wind)	13 m/s (S Mode) 8 m/s (P Mode) 4 m/s (C Mode)
Maximum Takeoff Altitude	3000 m
Max Flight Time	30 minutes (measured while flying at 14 kph in windless conditions)
Max Wind Speed Resistance	8 m/s (Scale 4)
Max Tilt Angle	30° (S Mode) 20° (P Mode) 20° (C Mode)
Max Angular Velocity	150°/s (S Mode) 130°/s (P Mode) 30°/s (C Mode)
Operating Temperature Range	0° to 40°C (32° to 104°F)
Operating Frequency ^[2]	Model MT1SS5: 5.725-5.850 GHz Model MT1SD25: 2.400-2.4835 GHz, 5.725-5.850 GHz
Transmission Power (EIRP)	Model MT1SS5 5.8 GHz: <30 dBm (FCC), <28 dBm (SRRC) Model MT1SD25 2.4 GHz: <19 dBm (MIC/CE) 5.8 GHz: <14 dBm (CE)
GNSS	GPS+GLONASS
Hovering Accuracy Range	Vertical: ±0.1 m (with Vision Positioning), ±0.5 m (with GPS Positioning) Horizontal: ±0.3 m (with Vision Positioning), ±1.5 m (with GPS Positioning)

Sensing System

Downward	Operating Range: 0.5-10 m
Operating Environment	Non-reflective, discernable surfaces Diffuse reflectivity (>20%) Adequate lighting (lux>15)

Remote Controller & Video Transmission

Operating Frequency	Model MR1SS5: 5.725-5.850 GHz Model MR1SD25: 2.400-2.4835 GHz, 5.725-5.850 GHz
Max Transmission Distance (unobstructed, free of interference)	Model MR1SS5 5.8 GHz: 4000 m (FCC); 2500 m (SRRC) Model MR1SD25 2.4 GHz: 2000 m (MIC/CE) 5.8 GHz: 500 m (CE)
Operating Temperature Range	0° to 40°C (32° to 104°F)
Transmission Power (EIRP)	Model MR1SS5 5.8 GHz: <30 dBm (FCC), <28 dBm (SRRC) Model MR1SD25 2.4 GHz: <19 dBm (MIC/CE) 5.8 GHz: <14 dBm (CE)
Battery Capacity	2600 mAh
Operating Current/Voltage	1200 mA 3.6 V (Android) 450 mA 3.6 V (iOS)
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 Type-C
Video Transmission System	Enhanced Wi-Fi
Live View Quality	720p/30fps
Max. Bitrate	4 Mbps
Latency (depending on environmental conditions and mobile device)	170-240 ms

Intelligent Flight Battery

Capacity	2400 mAh
Voltage	7.2V
Max Charging Voltage	8.4V
Battery Type	Li-ion 2S
Energy	17.28 Wh
Net Weight	100 g
Charging Temperature Range	5° to 40°C (41° to 104°F)
Max Charging Power	24 W

APP

Name	DJI Fly
Required Operating System	iOS v10.0 or later Android v6.0 or later

Footnotes

Footnotes	<ol style="list-style-type: none">Aircraft takeoff weight (includes battery, propellers, and a microSD card). Registration not required in some countries and regions. Check local rules and regulations before use. 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.Due to local policy and regulation restrictions, the 5.8 GHz frequency band is currently banned in certain countries, including but not limited to Japan, Russia, Israel, Ukraine, and Kazakhstan. Please use the 2.4 GHz frequency band when operating in these locations. Always check local rules and regulations before use, as they may change over time.
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Gimbal

Mechanical Range	Tilt: -110° to 35° Roll: -35° to 35° Pan: -20° to 20°
Controllable Range	Tilt: -90° to 0° (default setting) -90° to +20° (extended)
Stabilization	3-axis (tilt, roll, pan)
Max Control Speed (tilt)	120°/s
Angular Vibration Range	±0.01°

Camera

Sensor	1/2.3" CMOS Effective Pixels: 12 MP
Lens	FOV: 83° 35 mm Format Equivalent: 24 mm Aperture: f/2.8 Shooting Range: 1 m to ∞
ISO Range	Video: 100-3200 (Auto) 100-3200 (Manual) Photo: 100-1600 (Auto) 100-3200 (Manual)
Shutter Speed	Electronic Shutter: 4-1/8000s
Still Image Size	4:3: 4000×3000 16:9: 4000×2250
Still Photography Modes	Single shot Interval: 2/3/5/7/10/15/20/30/60 s
Video Resolution	2.7K: 2720×1530 24/25/30 p FHD: 1920×1080 24/25/30/48/50/60 p
Max Video Bitrate	40 Mbps
Supported File System	FAT32 (<=32 GB) exFAT (>32 GB)
Photo Format	JPEG
Video Format	MP4 (H.264/MPEG-4 AVC)

Charger

Input	100-240 V, 50/60 Hz, 0.5A
Output	12V 1.5 A / 9V 2A / 5V 3A
Rated Power	18 W

Intelligent Flight Battery (1100 mAh)

Capacity	1100 mAh
Voltage	7.6V
Max Charging Voltage	8.7V
Battery Type	LiPo 2S
Energy	8.36 Wh
Net Weight	50 g
Charging Temperature Range	5° to 40°C (41° to 104°F)
Max Charging Power	18 W

Supported SD Cards

Supported SD Cards	UHS-I Speed Class 3 or above is required. A list of recommended microSD cards can be found below.
Recommended microSD Cards	16 GB: SanDisk Extreme, Lexar 633x 32 GB: Samsung Pro Endurance, Samsung Evo Plus, SanDisk Industrial, Sandisk Extreme V30 A1, SanDisk Extreme V30 A2, SanDisk Extreme Pro V30 A1, SanDisk Extreme Pro V30 A2, Lexar 633x, Lexar 667x 64 GB: Samsung Pro Endurance, Samsung Evo Plus, SanDisk Extreme V30 A2, Lexar 633x, Lexar 667x, Lexar 1000x, Lexar High Endurance, Toshiba EXCERIA M303 V30 A1, Netac Pro V30 A1 128 GB: Samsung Evo Plus, SanDisk Extreme V30 A2, SanDisk Extreme Plus V30 A1, SanDisk Extreme Plus V30 A2, Lexar 633x, Lexar 667x, Lexar 1000x, Lexar High Endurance, Toshiba EXCERIA M303 V30 A1, Netac Pro V30 A1 256 GB: SanDisk Extreme V30 A2