

SPECS

MAVIC MINI

Aircraft

Takeoff Weight ^[1]

249 g

Dimensions

Folded: 140×82×57 mm (L×W×H)

Unfolded: 160×202×55 mm (L×W×H)

Unfolded (with propellers): 245×290×55 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)

Max Service Ceiling Above Sea Level

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: ± 0.1 m (with Vision Positioning), ± 1.5 m (with GPS Positioning)

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 $+20^\circ$ (extended)

Stabilization

3-axis (tilt, roll, pan)

Max Control Speed (tilt)

$120^\circ/\text{s}$

Angular Vibration Range

$\pm 0.01^\circ$

Sensing System

Downward

Operating Range: 0.5-10 m

Operating Environment

Non-reflective, discernable surfaces

Diffuse reflectivity (>20%)

Adequate lighting (lux>15)

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)

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

2.7 K: 2720×1530 25/30 p

FHD: 1920×1080 25/30/50/60 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)

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)

700 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

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

Capacity

2400 mAh

Voltage

7.2 V

Max Charging Voltage

8.4 V

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

Intelligent Flight Battery (1100 mAh)

Capacity

1100 mAh

Voltage

7.6 V

Max Charging Voltage

8.7 V

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

APP

Name

DJI Fly

Required Operating System

iOS v10.0 or later Android v6.0 or later

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 A2, Lexar 633x, Lexar 667x

64 GB: Samsung Pro Endurance, Samsung Evo Plus, SanDisk Extreme V30 A1, SanDisk Extreme V30 A2, Lexar 633x, Lexar 667x, Lexar 1000x, Lexar Endurance, Toshiba EXCERIA M303 V30 A1, Netac Pro V30 A1

128 GB: Samsung Pro Plus, Samsung Evo Plus, SanDisk Extreme V30 A1, SanDisk Extreme V30 A2, SanDisk Extreme Plus V30 A1, SanDisk Extreme I Lexar 633x, Lexar 667x, Lexar 1000x, Lexar High Endurance, Toshiba EXCERIA M303 V30 A1, Netac Pro V30 A1

256 GB: SanDisk Extreme V30 A1, SanDisk Extreme V30 A2

Footnotes

Footnotes

1. Aircraft takeoff weight (includes battery, propellers, and a microSD card). Registration not required in some countries and regions. Check local regulations before use. These specs have been determined through tests conducted with the latest firmware. Firmware updates can enhance performance. Updating to the latest firmware is highly recommended.

2. Due to local policy and regulation restrictions, the 5.8 GHz frequency band is currently banned in certain countries, including but not limited to Israel, Ukraine, and Kazakhstan. Please use the 2.4 GHz frequency band when operating in these locations. Always check local rules and regulations as they may change over time.
