

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)

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 ($\text{lux} > 15$)

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)
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

- 2.7 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)

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

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 A1, 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 High 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 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 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 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.
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 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.