Aircraft

Takeoff Weight [1]	< 249 g
Dimensions	Folded: 138×81×58 mm (L×W×H) Unfolded: 159×203×56 mm (L×W×H) Unfolded (with propellers): 245×289×56 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 17 kph in windless conditions)
Max Wind Speed Resistance	8.5 m/s to 10.5m/s (Scale 5)
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 MT2SS5: 5.725-5.850 GHz Model MT2SD25: 2.400-2.4835 GHz, 5.725-5.850 GHz
Transmission Power (EIRP)	Model MT2SS5 5.8 GHz: <30 dBm (FCC); <28 dBm (SRRC) Model MT2SD25 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° (extended)
Stabilization	3-axis (tilt, roll, pan)
Max Control Speed (tilt)	120°/s
Angular Vibration Range	±0.01°

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) 100-3200 (Manual) Photo: 100-3200 (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)

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	2250 mAh
Voltage	7.7 V
Max Charging Voltage	8.8 V
Battery Type	LiPo 2S
Energy	17.32 Wh
Net Weight	82.5 g
Charging Temperature Range	5° to 40°C (41° to 104°F)
Max Charging Power	29 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 reccomended microSD cards can be found below.
Recommended microSD Cards	16GB: SanDisk Extreme 32GB: Samsung Pro Endurance, Samsung Evo Plus, SanDisk Industrial, SanDisk Extreme V30 A2, SanDisk Extreme Pro V30 A1, SanDisk Extreme Pro V30 A2, Lexar 633x, Lexar 667x 64GB: 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 128GB: 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 256GB: SanDisk Extreme V30 A2

Footnotes

Footnotes	1. The standard weight of the aircraft (including battery, propellers, and a microSD card) is 242 grams. Actual product weight may vary. Registration is not required in some countries and regions. Check local rules and regulations before use. These specifications 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. 3.Maximum flight range specification is a proxy for radio link strength and resilience, not aircraft battery capability. It only refers to the maximum, one-way flight distance. Data was measured in an open environment without interference. Please pay attention to the return prompt on the DJI Fly app during actual flight. Refer to the following applicable standard in different countries and regions: FCC: United States, Australia, Canada, Hong Kong, Taiwan, Chile, Colombia, Puerto Rico, and other regions; SRRC: Mainland China; CE: UK, Russia, France, Germany, Portugal, Spain, Switzerland, Macau, New Zealand, UAE, and other regions; MIC: Japan. 4. Charger sold separately