



Clifton Cameras Product Specification

DJI Mini 2 Drone

Specifications

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	5 m/s (S Mode)
	3 m/s (N Mode)
	2 m/s (C Mode)
Max Descent Speed	3.5 m/s (S Mode)
	3 m/s (N Mode)
	1.5 m/s (C Mode)
Max Speed (near sea level, no wind)	16 m/s (S Mode)
	10 m/s (N Mode)
	6 m/s (C Mode)
Max Service Ceiling Above Sea Level	4000 m
Max Flight Time	31 mins (measured while flying at 4.7 m/s in windless conditions)
Max Wind Speed Resistance	8.5-10.5 m/s (Scale 5)
Max Tilt Angle	40° (S Mode)
	25° (N Mode)*
	25° (C Mode)*
	* Up to 40° under strong winds
Max Angular Velocity (by default)*	130°/s (S Mode)
	60°/s (N Mode)



30°/s (C Mode)

* Can be adjusted to 250°/s with the DJI Fly app

Operating Temperature 0° to 40°C (32° to 104°F)

Operating Frequency [2] 2.400-2.4835 GHz, 5.725-5.850 GHz

Transmitter Power (EIRP) 2.400-2.4835 GHz

FCC ≤ 26 dBm

CE ≤ 20 dBm

SRRC ≤ 20 dBm

5.725-5.850 GHz

FCC ≤ 26 dBm

CE ≤ 14 dBm

SRRC ≤ 26 dBm

Global Navigation Satellite System (GNSS) GPS+GLONASS+GALILEO

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) 100°/s

Angular Vibration Range ±0.01°

Sensing System

Downward Hovering Range: 0.5-10 m

Operating Environment Non-reflective, discernable surfaces

Diffuse reflectivity (> 20%, such as cement pavement)

Adequate lighting (lux > 15, Normal exposure environment of indoor fluorescent lamp)



Camera

Sensor	1/2.3" CMOS
	Effective Pixels: 12 MP
Lens	FOV: 83°
	35 mm format equivalent: 24 mm
	Aperture: f/2.8
	Focus range: 1 m to ∞
ISO	Video:
	100-3200 (Auto)
	100-3200 (Manual)
	Photos:
	100-3200 (Auto)
	100-3200 (Manual)
Shutter Speed	Electronic Shutter: 4-1/8000 s
Max Image Size	4:3: 4000×3000
	16:9: 4000×2250
Still Photography Modes	Single Shot
	Interval: JPEG: 2/3/5/7/10/15/20/30/60 s
	JPEG+RAW: 5/7/10/15/20/30/60 s
	Auto Exposure Bracketing (AEB): 3 bracketed frames at 2/3 EV Bias
	Panorama: Sphere, 180°, and Wide-angle
Video Resolution	4K: 3840×2160 @ 24/25/30fps
	2.7K: 2720×1530 @ 24/25/30/48/50/60fps
	FHD: 1920×1080 @ 24/25/30/48/50/60fps
Max Video Bitrate	100 Mbps
Zoom Range	4K: 2x
	2.7K: 3x
	FHD: 4x



QuickShot Modes Dronie, Helix, Rocket, Circle, Boomerang

Supported File Formats FAT32 (\leq 32 GB)

exFAT ($>$ 32 GB)

Photo Formats JPEG/DNG (RAW)

Video Formats MP4 (H.264/MPEG-4 AVC)

Remote Controller & Video Transmission

Operating Frequency 2.400-2.4835 GHz, 5.725-5.850 GHz

Max Transmission Distance (unobstructed, free of interference) [3]

10 km (FCC)

6 km (CE)

6 km (SRRC)

6 km (MIC)

Signal Transmission Ranges (FCC) [4] Strong Interference (urban landscape, limited line of sight, many competing signals): Approx. 3 km

Medium Interference (suburban landscape, open line of sight, some competing signals): Approx. 6 km

Low Interference (open landscape abundant line of sight, few competing signals): Approx. 10 km

Operating Temperature -10° to 40° C (14° to 104° F)

Transmission Power (EIRP) 2.400-2.4835 GHz

FCC \leq 26 dBm

CE \leq 20 dBm

SRRC \leq 20 dBm

MIC \leq 20 dBm

5.725-5.850 GHz

FCC \leq 26 dBm

CE \leq 14 dBm

SRRC \leq 26 dBm

Battery Capacity 5200 mAh

Voltage 1200 mA 3.6 V (Android)



	700 mA 3.6 V (iOS)
Supported Mobile Device Size	180x86x10 mm (HeightxWidthxThickness)
Supported USB Port Types	LightningMicro USB (Type-B) USB-C
Video Transmission System	When used with different aircraft hardware configurations, both remote controllers will automatically select the corresponding firmware version for updating and support the following transmission technologies enabled by the hardware performance of the linked aircraft models: a. DJI Mini 2/ DJI Mavic Air 2: O2 b. DJI Air 2S: O3 c. DJI Mavic 3: O3+
Live View Quality	Remote Controller: 720p/30fps
Max Bitrate	8 Mbps
Latency (depending on environmental conditions and mobile device)	About 200 ms

Charger

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

Intelligent Flight Battery

Battery Capacity	2250 mAh
Voltage	7.7 V
Charging Voltage Limit	8.8 V
Battery Type	LiPo 2S
Energy	17.32 Wh
Weight	86.2 g
Charging Temperature	5° to 40°C (41° to 104°F)
Max Charging Power	29 W

App

Name	DJI Fly
Required Operating System	iOS v10.0 or laterAndroid 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

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

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. Data is tested under different standards in open areas free of interference. It only refers to the maximum, one-way flight distance without considering Return to Home. Please pay attention to RTH prompts in the DJI Fly app during actual flight.