

Clifton Cameras Product Specification

DJI Mini 2 SE Drone Full Spec

Takeoff Weight	246 g ^{The standard weight of the aircraft (including the Intelligent Flight Battery, propellers, and a microSD card). The actual product weight may vary due to differences in batch materials and external factors. Registration is not required in some countries and regions. Please check local laws and regulations before use.}
Dimensions	Folded (without propellers): 138x81x58 mm (LxWxH) Unfolded (with propellers): 245x289x56 mm (LxWxH)
Max Ascent Speed	5 m/s
Max Descent Speed	3.5 m/s
Max Horizontal Speed (at sea level, no wind)	16 m/s ^{The max horizontal speed is subject to dynamic local restrictions. Please abide by local laws and regulations when flying.}
Max Takeoff Altitude	4000 m ^{2000 m when taking off with propeller guards.}
Max Flight Time	31 minutes ^{Measured in a controlled test environment. Specific test conditions are as follows: flying forward at a constant speed of 17 kph in a windless laboratory environment, in photo mode (without photo taking operation during flight), and from 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version.}
Max Wind Speed Resistance	10.7 m/s (Level 5)
Max Tilt Angle	40°
Operating Temperature	0° to 40° C (32° to 104° F)
Global Navigation Satellite System	GPS + GLONASS + Galileo
Hovering Accuracy Range	Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning) Horizontal: ±0.3 m (with vision positioning) ±1.5 m (with GNSS positioning)
Internal Storage	N/A
Image Sensor	1/2.3-inch CMOS, Effective Pixels: 12 MP
Lens	FOV: 83° Format Equivalent: 24 mm Aperture: f/2.8 Focus: 1 m to ∞
ISO Range	Video: 100-3200 Photo: 100-3200
Shutter Speed	Electronic Shutter: 4-1/8000 s
Max Image Size	4000x3000

Still Photography Modes	Single Shot: 12 MP Timed: 12 MP JPEG: 2/3/5/7/10/15/20/30/60 s JPEG + RAW: 5/7/10/15/20/30/60 s Automatic Exposure Bracketing (AEB): 12 MP, 3 frames at 2/3 EV step Panorama: Sphere, 180°, and Wide Angle
Photo Format	JPEG/DNG (RAW)
Video Resolution	2.7K: 2720x1530@24/25/30 fps FHD: 1920x1080@24/25/30/48/50/60 fps
Video Format	MP4 (MPEG-4 AVC/H.264)
Max Video Bitrate	40 Mbps
Supported File System	FAT32 (≤ 32 GB) exFAT (> 32 GB)
Digital Zoom	2.7K: 3x FHD: 4x
Color Mode	Normal
QuickShots Modes	Dronie, Helix, Rocket, Circle, and Boomerang
Stabilization	3-axis mechanical gimbal (tilt, roll, and pan)
Mechanical Range	Tilt: -110° to 35° Roll: -35° to 35° Pan: -20° to 20°
Controllable Range	Tilt: 90° to 0° (default) -90° to 20° (extended)
Max Control Speed (tilt)	100°/s
Angular Vibration Range	±0.01°
Downward	Precise Hovering Range: 0.5-10 m
Operating Environment	Downward: surfaces with discernible patterns, diffuse reflectivity >20% (e.g., walls, trees, people), and adequate lighting (lux >15)
Video Transmission System	DJI O2
Live View Quality	Remote Controller: 720p/30fps
Operating Frequency	2.400-2.4835 GHz 5.725-5.850 GHz
Transmitter Power (EIRP)	2.400-2.4835 GHz: ≤ 26 dBm (FCC) ≤ 20 dBm (CE/SRRC/MIC) 5.725-5.850 GHz: ≤ 26 dBm (FCC/SRRC) ≤ 14 dBm (CE)
Max Transmission Distance (free of interference)	FCC: 10 km CE: 6 km SRRC: 6 km MIC: 6 km ^{Measured in an unobstructed outdoor environment free of interference. The above data shows the farthest communication range for one-way, non-return flights under each standard. During your flight, please pay attention to RTH reminders in the DJI Fly app.}



Max Transmission Distance (with interference)	Strong Interference: urban landscape, approx. 1.5-3 km Medium Interference: suburban landscape, approx. 3-6 km Low Interference: suburb/seaside, approx. 6-10 km ^{Data tested under FCC standard in unobstructed environments with typical interference. Used for reference purposes only and provides no guarantee for actual flight distance.}
Lowest Latency	Approx. 200 ms ^{Depending on the actual environment and mobile device.}
Capacity	2250 mAh
Weight	82.5 g
Nominal Voltage	7.7 V
Max Charging Voltage	8.8 V
Type	Li-ion
Energy	17.32 Wh
Charging Temperature	5° to 40° C (41° to 104° F)
Input	5 V, 3 A 9 V, 3 A 12 V, 3 A
Output	USB-A: Max Voltage: 5 V; Max Current: 2 A
Charging Type	Three batteries charged in sequence

<p>Recommended microSD Cards</p>	<p>16 GB:
 SanDisk Extreme

 32 GB:
 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

 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 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</p>
<p>Max Operating Time</p>	<p>DJI RC-N1 Remote Controller
 Without charging any mobile device: 6 hours
 When charging a mobile device: 4 hours</p>
<p>Max Supported Mobile Device Size</p>	<p>DJI RC-N1 Remote Controller
 180x86x10 mm (LxWxH)</p>
<p>Operating Temperature</p>	<p>DJI RC-N1 Remote Controller
 -10° to 40° C (14° to 104° F)</p>
<p>Transmitter Power (EIRP)</p>	<p>DJI RC-N1 Remote Controller
 2.400-2.4835 GHz:
≤ 26 dBm (FCC)
≤ 20 dBm (CE/SRRC/MIC)

 5.725-5.850 GHz:
≤ 26 dBm (FCC)
≤ 23 dBm (SRRC)
≤ 14 dBm (CE)</p>