

# Clifton Cameras Product Specification

## DJI Mini 4K Drone Full Spec

Aircraft	Takeoff Weight	<html> 246 g <sup>Standard aircraft weight (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. Training or examination is not required for flying this product in most countries and regions. Always check local laws and regulations before use.</sup></html>
Aircraft	Dimensions	Folded (without propellers): 138×81×58 mm (L×W×H) Unfolded (with propellers): 245×289×56 mm (L×W×H)
Aircraft	Max Flight Distance	15.7 km
Aircraft	Max Ascent Speed	5 m/s
Aircraft	Max Descent Speed	3.5 m/s
Aircraft	Max Horizontal Speed (at sea level, no wind)	<html>16 m/s <sup>The max horizontal speed is subject to dynamic local restrictions. Please abide by local laws and regulations when flying. </sup></html>
Aircraft	Max Takeoff Altitude	<html>4000 m <sup>2000 m when taking off with propeller guards. </sup></html>
Aircraft	Max Flight Time	<html>31 minutes <sup>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. </sup></html>
Aircraft	Max Wind Speed Resistance	10.7 m/s (Level 5)
Aircraft	Max Pitch Angle	40°
Aircraft	Operating Temperature	0° to 40° C (32° to 104° F)
Aircraft	Global Navigation Satellite System	GPS + GLONASS + Galileo
Aircraft	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)
Aircraft	Internal Storage	N/A
Aircraft	Class	C0 (EU)
Camera	Image Sensor	1/2.3-inch CMOS, Effective Pixels: 12 MP
Camera	Lens	FOV: 83° Format Equivalent: 24 mm Aperture: f/2.8 Focus: 1 m to ∞ 
Camera	ISO Range	Video:  100-3200 Photo:  100-3200
Camera	Shutter Speed	Electronic Shutter: 4-1/8000 s
Camera	Max Image Size	4000×3000
Camera	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
Camera	Photo Format	JPEG/DNG (RAW)



Camera	Video Resolution	4K: 3840x2160@24/25/30fps 2.7K: 2720x1530@24/25/30/48/50/60fps FHD: 1920x1080@24/25/30/48/50/60fps
Camera	Video Format	MP4 (MPEG-4 AVC/H.264)
Camera	Max Video Bitrate	100Mbps
Camera	Supported File System	FAT32 (≤ 32 GB) exFAT (> 32 GB)
Camera	Digital Zoom	4K: 2x 2.7K: 3x FHD: 4x
Camera	Color Mode	Normal
Camera	QuickShots Modes	Dronie, Helix, Rocket, Circle, and Boomerang
Gimbal	Stabilization	3-axis mechanical gimbal (tilt, roll, and pan)
Gimbal	Mechanical Range	Tilt: -110° to 35° Roll: -35° to 35° Pan: -20° to 20°
Gimbal	Controllable Range	Tilt:  -90° to 0° (default) -90° to 20° (extended)
Gimbal	Max Control Speed (tilt)	100°/s
Gimbal	Angular Vibration Range	±0.01°
Sensing	Downward	Precise Hovering Range: 0.5-10 m
Sensing	Operating Environment	Downward:  surfaces with discernible patterns, diffuse reflectivity >20% (e.g., walls, trees, people), and adequate lighting (lux >15)
Video Transmission	Video Transmission System	DJI O2
Video Transmission	Live View Quality	Remote Controller:  720p/30fps
Video Transmission	Operating Frequency	2.400-2.4835 GHz 5.725-5.850 GHz
Video Transmission	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)
Video Transmission	Max Transmission Distance (free of interference)	<html>FCC: 10 km CE: 6 km SRRC: 6 km MIC: 6 km <sup>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. </sup></html>
Video Transmission	Max Transmission Distance (with interference)	<html>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 <sup>Data tested under FCC standard in unobstructed environments with typical interference. Used for reference purposes only and provides no guarantee for actual flight distance. </sup></html>
Video Transmission	Lowest Latency	<html>Approx. 200 ms <sup>Depending on the actual environment and mobile device. </sup></html>
Battery	Capacity	2250 mAh
Battery	Weight	82.5 g
Battery	Nominal Voltage	7.7 V
Battery	Max Charging Voltage	8.8 V
Battery	Type	Li-ion
Battery	Energy	17.32 Wh
Battery	Charging Temperature	5° to 40° C (41° to 104° F)
Battery Charging	Input	5 V, 3 A 9 V, 3 A 12 V, 3 A

Hub		
Battery Charging Hub	Output	USB-A:  Max Voltage: 5 V; Max Current: 2 A
Battery Charging Hub	Charging Type	Three batteries charged in sequence
Storage	Recommended microSD Cards	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
Remote Controller	Max Operating Time	DJI RC-N1C Remote Controller:  Without Charging Any Mobile Device: 4 hours  When Charging a Mobile Device: 2 hours
Remote Controller	Max Supported Mobile Device Size	DJI RC-N1C Remote Controller  180x86x10 mm (LxWxH)
Remote Controller	Operating Temperature	DJI RC-N1C Remote Controller  -10° to 40° C (14° to 104° F)
Remote Controller	Transmitter Power (EIRP)	DJI RC-N1C 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)