DJI Mavic 3 Classic

Specs

DJI Mavic 3 Classic

Aircraft

Takeoff Weight	895 g
Dimensions	Folded (without propellers): 221×96.3×90.3 mm (L×W×H) Unfolded (without propellers): 347.5×283×107.7 mm (L×W×H)
Max Ascent Speed	8 m/s
Max Descent Speed	6 m/s
Max Horizontal Speed (at sea level, no wind)	21 m/s No faster than 19 m/s in EU regions.
Max Takeoff Altitude	6000 m
Max Flight Time	46 minutes Measured in a controlled test environment. Specific test conditions are as follows: flying at a constant speed of 32.4 kph in a windless environment at sea level, with APAS off, AirSense off, camera parameters set to 1080p/24fps, video mode off, and from 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version.
Max Hovering Time	40 minutes Measured in a controlled test environment. Specific test conditions are as follows: hovering in a windless environment at sea level, with APAS off, AirSense off, camera parameters set to 1080p/24fps, video mode off, and from 100% battery level until 0%. Results may vary depending on environment, actual use, and firmware version.
Max Flight Distance	30 km The flight distance is different from the video transmission distance. The data was tested in a controlled environment, under the following specific test conditions: flying at a constant speed of 50.4 kph in a windless environment at sea level, with APAS off, AirSense off, camera parameters set to 1080p/24fps, video mode off, and from 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version.
Max Wind Speed Resistance	12 m/s
Max Pitch Angle	35°
Operating Temperature	-10° to 40° C (14° to 104° F)
Global Navigation Satellite System	GPS + Galileo + BeiDou
Hovering Accuracy Range	Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning) Horizontal: ±0.3 m (with vision positioning) ±0.5 m (with high-precision positioning system)

Internal Storage	8 GB (approx. 7.9GB available space)

Hasselblad Camera

Image Sensor	4/3 CMOS, Effective Pixels: 20 MP
Lens	FOV: 84° Format Equivalent: 24 mm Aperture: f/2.8-f/11 Focus: 1 m to ∞
ISO Range	Video: Normal, Slow-motion: 100-6400 (normal color) 400-1600 (D-Log) 100-1600 (D-Log M) 100-1600 (HLG) Night Mode: 800-12800 (normal color) Photo: 100-6400
Shutter Speed	Electronic Shutter: 8-1/8000 s
Max Image Size	5280×3956
Still Photography Modes	Single Shot: 20 MP Burst Shooting: 20 MP, 3/5/7 frames Automatic Exposure Bracketing (AEB): 20 MP, 3/5 frames at 0.7 EV step Timed: 20 MP, 2/3/5/7/10/15/20/30/60 s
Photo Format	JPEG/DNG (RAW)
Video Resolution	H.264/H.265 5.1K: 5120×2700@24/25/30/48/50 fps DCI 4K: 4096×2160@24/25/30/48/50/60/120* fps 4K: 3840×2160@24/25/30/48/50/60/120* fps FHD: 1920×1080@24/25/30/48/50/60/120*/200* fps * Recording frame rates. The corresponding video plays as slow-motion video.
Video Format	MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)
Max Video Bitrate	H.264/H.265: 200 Mbps
Supported File System	exFAT
Color Mode	Normal/HLG/D-Log/D-Log M
Digital Zoom	3× (only in Video Mode)

Gimbal

Stabilization	3-axis mechanical gimbal (tilt, roll, pan)
Mechanical Range	Tilt: -135° to 100° Roll: -45° to 45°

	Pan: -27° to 27°
Controllable Range	Tilt: -90° to 35° Pan: -5° to 5°
Max Control Speed (tilt)	100°/s
Angular Vibration Range	±0.007°

Sensing

Sensing Type	Omnidirectional binocular vision system, supplemented with an infrared sensor at the bottom of the aircraft
Forward	Measurement Range: 0.5-20 m Detection Range: 0.5-200 m Effective Sensing Speed: Flight Speed ≤ 15 m/s FOV: Horizontal 90°, Vertical 103°
Backward	Measurement Range: 0.5-16 m Effective Sensing Speed: Flight Speed ≤ 12 m/s FOV: Horizontal 90°, Vertical 103°
Lateral	Measurement Range: 0.5-25 m Effective Sensing Speed: Flight Speed ≤ 15 m/s FOV: Horizontal 90°, Vertical 85°
Upward	Measurement Range: 0.2-10 m Effective Sensing Speed: Flight Speed ≤ 6 m/s FOV: Front and Back 100°, Left and Right 90°
Downward	Measurement Range: 0.3-18 m Effective Sensing Speed: Flight Speed ≤ 6 m/s FOV: Front and Back 130°, Left and Right 160°
Operating Environment	Forward, Backward, Left, Right, and Upward: surfaces with discernible patterns and adequate lighting (lux >15) Downward: surfaces with discernible patterns, diffuse reflectivity >20% (e.g. walls, trees, people), and adequate lighting (lux >15)

Video Transmission

Video Transmission System	O3+
Live View Quality	Remote Controller: 1080p/30fps, 1080p/60fps
Operating Frequency	2.400-2.4835 GHz 5.725-5.850 GHz
Transmission Power (EIRP)	2.400-2.4835 GHz: < 33 dBm (FCC) < 20 dBm (CE/SRRC/MIC) 5.725-5.850 GHz: < 33 dBm (FCC) < 30 dBm (SRRC) < 14 dBm (CE)
Max Transmission Distance (free of interference)	FCC: 15 km CE: 8 km SRRC: 8 km MIC: 8 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. 3-9 km Low Interference: suburb/seaside, approx. 9-15 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.
Max Download Speed	O3+: 5.5 MB/s (with DJI RC-N1 Remote Controller) 15 MB/s (with DJI RC Pro) 5.5 MB/s (with DJI RC) Wi-Fi 6: 80 MB/s* * Measured in a laboratory environment with little interference in countries/regions that support both 2.4 GHz and 5.8 GHz, with footage saved to the inter storage. Download speeds may vary depending on the actual conditions.
Lowest Latency	130 ms (with DJI RC-N1 Remote Controller) 120 ms (with DJI RC Pro) 130 ms (with DJI RC) Depending on the actual environment and mobile device.
Antennas	4 antennas, 2T4R

Battery

Capacity	5000 mAh
Weight	335.5 g
Nominal Voltage	15.4 V
Charging Voltage Limit	17.6 V
Type	Li-ion 4S

Energy	77 Wh
Charging Temperature	5° to 40° C (41° to 104° F)
Charging Time	Approx. 96 minutes Use the included data cable of the DJI 65W Portable Charger.

Charger

Input	100-240 V (AC), 47-63 Hz, 2 A
Output	USB-C: 5 V, 5 A 9 V, 5 A 12 V, 5 A 15 V, 4.3 A 20 V, 3.25 A 5-20 V, 3.25 A USB-A: 5 V, 2 A
Rated Power	65 W

Battery Charging Hub

Input	USB-C: 5-20 V, max 5 A
Output	Battery Port: 12-17.6 V, max. 5 A
Rated Power	DJI Mavic 3 Battery Charging Hub: 65 W DJI Mavic 3 Battery Charging Hub (100W): 100 W
Charging Type	Three batteries charged in sequence
Compatibility	DJI Mavic 3 Intelligent Flight Battery

Car Charger

Input	Car Power Input: 12.7-16 V, 6.5 A, rated voltage 14 V (DC)
Output	USB-C: 5 V, 5 A 9 V, 5 A 12 V, 5 A 15 V, 4.3 A 20 V, 3.25 A 5-20 V, 3.25 A USB-A: 5 V, 2 A
Rated Power	65 W

Charging Temperature	5° to 40° C (41° to 104° F)

Storage

Recommended microSD Cards	Lexar 1066x 64GB V30 A2 microSDXC Lexar 1066x 128GB V30 A2 microSDXC Lexar 1066x 256GB V30 A2 microSDXC Lexar 1066x 512GB V30 A2 microSDXC SanDisk High Endurance 64GB V30 microSDXC SanDisk High Endurance 128GB V30 microSDXC SanDisk High Endurance 256GB V30 microSDXC Kingston Canvas Go! Plus 64GB V30 A2 microSDXC Kingston Canvas Go! Plus 128GB V30 A2 microSDXC Kingston Canvas Go! Plus 256GB V30 A2 microSDXC Kingston Canvas Go! Plus 512GB V30 A2 microSDXC

Remote Controller

Max Operating Time	DJI RC-N1 Remote Controller Without charging any mobile device: 6 hours When charging a mobile device: 4 hours
Max Supported Mobile Device Size	DJI RC-N1 Remote Controller 180×86×10 mm (L×W×H)
Operating Temperature	DJI RC-N1 Remote Controller -10° to 40° C (14° to 104° F)
Transmitter Power (EIRP)	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)

Others

Guaranteed software updates until	2026/12/31

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