



**dji**

# MAVIC 3 CLASSIC



# Aircraft

<b>Takeoff weight</b>	895 g
<b>Dimensions</b>	Folded (without propellers): 221×96.3×90.3 mm (L×W×H) Unfolded (without propellers): 347.5×283×107.7 mm (L×W×H)
<b>Max Ascent Speed</b>	8 m/s
<b>Max Descent Speed</b>	6 m/s
<b>Max Horizontal Speed (at sea level, no wind)</b>	21 m/s
<b>Max Takeoff Altitude</b>	6000 m
<b>Max Flight Time</b>	46 minutes
<b>Max Hovering Time</b>	40 minutes
<b>Max flight distance</b>	30 km
<b>Max Wind Speed Resistance</b>	12 m/s
<b>Operating temperature range</b>	-10° to 40° C (14° to 104° F)
<b>Max Pitch Angle</b>	35°
<b>Global Navigation Satellite System</b>	GPS + Galileo + BeiDou
<b>Hovering accuracy</b>	Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning) Horizontal: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning)



# Sensing system

<b>Sensing system type</b>	<b>Omnidirectional binocular vision system, supplemented with a 3D infrared sensor at the bottom of the aircraft</b>
<b>Forward</b>	<b>Measurement Range:</b> 0.5-20 m <b>Detection Range:</b> 0.5-200 m <b>Effective Sensing Speed:</b> Flight Speed $\leq$ 15 m/s <b>FOV:</b> Horizontal 90°, Vertical 103°
<b>Backward</b>	<b>Measurement Range:</b> 0.5-16 m <b>Effective Sensing Speed:</b> Flight Speed $\leq$ 12 m/s <b>FOV:</b> Horizontal 90°, Vertical 103°
<b>Lateral</b>	<b>Measurement Range:</b> 0.5-25 m <b>Effective Sensing Speed:</b> Flight Speed $\leq$ 15 m/s <b>FOV:</b> Horizontal 90°, Vertical 85°
<b>Upward</b>	<b>Measurement Range:</b> 0.2-10 m <b>Effective Sensing Speed:</b> Flight Speed $\leq$ 6 m/s <b>FOV:</b> Front and Back 100°, Left and Right 90°
<b>Downward</b>	<b>Measurement Range:</b> 0.3-18 m <b>Effective Sensing Speed:</b> Flight Speed $\leq$ 6 m/s <b>FOV:</b> Front and Back 130°, Left and Right 160°
<b>Operating Environment</b>	<b>Forward, Backward, Left, Right, and Upward:</b> surfaces with discernible patterns and adequate lighting (lux >15) <b>Downward:</b> surfaces with discernible patterns, diffuse reflectivity >20% (e.g. walls, trees, people), and adequate lighting (lux >15)



# Hasselblad Camera

<b>Image Sensor</b>	4/3 CMOS, Effective Pixels: 20 MP
<b>Lens</b>	FOV: 84° Format Equivalent: 24 mm Aperture: f/2.8-f/11 Focus: 1 m to ∞
<b>ISO range</b>	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
<b>Shutter Speed</b>	Electronic Shutter: 8-1/8000 s
<b>Still Photography Modes</b>	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
<b>Max Image Size</b>	5280×3956
<b>Photo format</b>	JPEG/DNG (RAW)
<b>Video Resolution</b>	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
<b>Video format</b>	MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)
<b>Supported File System</b>	exFAT
<b>Digital Zoom</b>	3× (only in Video Mode)
<b>Color Mode</b>	Normal/HLG/D-Log/D-Log M
<b>Max Video Bitrate</b>	H.264/H.265: 200 Mbps



# Video Transmission

<b>Video Transmission System</b>	O3+
<b>Live View Quality</b>	Remote Controller: 1080p/30fps, 1080p/60fps
<b>Operating Frequency</b>	2.400-2.4835 GHz 5.725-5.850 GHz
<b>Transmission Power (EIRP)</b>	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)
<b>Max Transmission Distance (free of interference)</b>	FCC: 15 km CE: 8 km SRRC: 8 km MIC: 8 km
<b>Max Transmission Distance (unobstructed, with interference)</b>	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
<b>Max Download Speed</b>	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*
<b>Antenna</b>	4 antennas, 2T4R
<b>Lowest Latency</b>	130 ms (with DJI RC-N1 Remote Controller) 120 ms (with DJI RC Pro) 130 ms (with DJI RC)

# DJI MAVIC 3 CLASSIC



## Remote controller

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

## Car Charger

<b>Input</b>	Car Power Input: 12.7-16 V, 6.5 A, rated voltage 14 V (DC)
<b>Output</b>	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
<b>Rated Power</b>	65 W
<b>Charging Temperature</b>	5° to 40° C (41° to 104° F)

# Gimbal

<b>Mechanical Range</b>	Tilt: -135° to 100° Roll: -45° to 45° Pan: -27° to 27°
<b>Controllable Range</b>	Tilt: -90° to 35° Roll: -5° or 5°
<b>Stabilization System</b>	3-axis mechanical gimbal (tilt, roll, pan)
<b>Max Control Speed (Tilt)</b>	100°/s
<b>Angular Vibration Range</b>	±0.007°

# Charger

<b>Input</b>	5 V, 3 A 9 V, 3 A 12 V, 3 A
<b>Output</b>	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
<b>Rated Power</b>	65 W

# Storage

<b>SD storage</b>	<p> 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 </p>
<b>Internal Storage</b>	8 GB (approx. 7.9GB available space)



# Battery

Capacity	5000 mAh
Nominal Voltage	15.4 V
Nominal Voltage	15.4 V
Weight	335.5 g
Battery type	Li-ion 4S
Energy	77 Wh
Charging temperature range	5° to 40° C (41° to 104° F)
Charging time	Approx. 96 minutes

# 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



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Play ground, Rifle Club Rd, beside the, Subodh Garden, Subodh Park,  
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