

Specs

Aircraft

Weight	570 g
Size	Folded: 180×97×84 mm (Length×Width×Height) Unfolded: 183×253×77 mm (Length×Width×Height)
Diagonal Distance	302 mm
Max Ascent Speed	4 m/s (S Mode) 4 m/s (N Mode)
Max Descent Speed	3 m/s (S Mode) 3 m/s (N Mode) 5 m/s (S Mode and N Mode during a sharp descent) 3 m/s (all modes at elevations over 4500 m)
Max Service Ceiling Above Sea Level	5000 m
Max Flight Time (without wind)	34 minutes
Max Hover Time (without wind)	33 minutes
Max Flight Distance	18.5 km
Max Horizontal Flight Speed	19 m/s (S Mode) 12 m/s (N Mode) 5 m/s (T Mode)
Max Wind Resistance	8.5-10.5 m/s (Level 5)
Max Tilt Angle	35° (S Mode) 20° (N Mode) 35° (N Mode under strong wind)
Max Angular Velocity	250°/s (S Mode) 250°/s (N Mode)
Operating Temperature Range	-10° to 40°C (14° to 104°F)
Operating Frequency	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
 MIC: ≤20 dBm

5.725-5.850 GHz:
 FCC: ≤26 dBm
 CE: ≤14 dBm
 SRRC: ≤26 dBm

Hovering Accuracy Range

Vertical:
 ±0.1 m (with vision positioning)
 ±0.5 m (with GPS positioning)

Horizontal:
 ±0.1 m (with vision positioning)
 ±1.5 m (with GPS positioning)

Propellers

Quick release, low noise, folding

Satellite Systems

GPS+GLONASS

Compass

Single Compass

IMU

Single IMU

Internal Storage

8 GB

Battery**Capacity**

3500 mAh

Voltage

11.55 V

Charging Voltage Limit

13.2 V

Battery Type

LiPo 3S

Energy

40.42 Wh

Weight

198 g

Charging Temperature

5° to 40°C (41° to 104°F)

Max Charging Power

38 W

Camera**Sensor**

1/2" CMOS
 Effective Pixels: 12 MP and 48 MP

Lens

FOV: 84°
 Equivalent Focal Length: 24 mm
 Aperture: f/2.8
 Focus Range: 1 m to ∞

ISO

Video:
 100-6400

	Photo (12 MP): 100-3200 (Auto) 100-6400 (Manual) Photo (48 MP): 100-1600 (Auto) 100-3200 (Manual)
Max Photo Resolution	48 MP 8000×6000 pixel
Photo Modes	Single: 12 MP and 48 MP Burst: 12 MP, 3/5/7 frames Automatic Exposure Bracketing (AEB): 12MP, 3/5 Frames at 0.7EV Bias Timed: 12 MP 2/3/5/7/10/15/20/30/60 seconds SmartPhoto: Scene Recognition, HyperLight, and HDR HDR Panorama ^[1] : Vertical (3×1): 3328×8000 pixels (Width×Height) Wide-angle (3×3): 8000×6144 pixels (Width×Height) 180° Panorama (3×7): 8192×3500 pixels (Width×Height) Sphere (3×8+1): 8192×4096 pixels (Width×Height)
Photo Formats	JPEG/DNG (RAW)
Video Resolution and Frame Rates	4K Ultra HD: 3840×2160 24/25/30/48/50/60 fps 2.7K: 2688×1512 24/25/30/48/50/60 fps FHD: 1920×1080 24/25/30/48/50/60/120/240 fps 4K Ultra HD HDR: 3840×2160 24/25/30 fps 2.7K HDR: 2688×1512 24/25/30 fps FHD HDR: 1920×1080 24/25/30 fps
Color Profiles	D-Cinelike, Normal
Video Formats	MP4/MOV (H.264/MPEG-4 AVC, H.265/HEVC)
Max Bitrate	120 Mbps
Supported SD Cards	Supports a microSD with capacity of up to 256 GB
Supported File Systems	FAT32 and exFAT
Zoom	Available

Gimbal

Stabilization	3-axis (tilt, roll, pan)
Mechanical Range	Tilt: -135° to 45° Roll: -45° to 45° Pan: -100° to 100°
Controllable Range	Tilt: -90° to 0° (Default) -90° to 24° (Extended)
Max Controllable Speed (tilt)	100°/s
Angular Vibration Range	±0.01°

Vision System

Forward	Precision Measurement Range: 0.35-22.0 m Detection Range: 0.35 to 44 m Effective Sensing Speed: 12 m/s Field of View (FOV): 71° (horizontal), 56° (vertical)
Backward	Precision Measurement Range: 0.37-23.6 m Detection Range: 0.37-47.2 m Effective Sensing Speed: 12 m/s Field of View (FOV): 57° (horizontal), 44° (vertical)
Available Downward Sensors	Dual Vision Sensors + Time of Flight Sensors (ToF)
Downward	ToF Measurement Range: 0.1-8 m Hovering Range: 0.5-30 m Vision Sensor Hovering Range: 0.5-60 m
Left/Right	None
Downward Auxillary Light	Single LED

Safety

Obstacle Avoidance System	Advanced Pilot Assistance Systems (APAS) 3.0
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Video Transmission

Transmission System	OcuSync 2.0 2.4 GHz/5.8 GHz Auto-Switching
Max Transmission Distance	10 km (FCC), 6 km (CE), 6 km (SRRC), 6 km (MIC)
Live View Quality	720p@30fps/1080p@30fps
Latency (depending on environmental conditions and mobile device)	120-130 ms
Video Transmission Encoding format	H.265/H.264 (Auto-switches depending on encoding capabilities of device)
Max Transmission Bitrate	12 Mbps
Operating Frequency	2.400-2.4835 GHz 5.725-5.850 GHz

Remote Controller

Remote Controller Transmission System	When used with different aircraft hardware configurations, DJI RC-N1 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: <ol style="list-style-type: none"> DJI Mini 2/ DJI Mavic Air 2: O2 DJI Air 2S: O3 DJI Mavic 3: O3+
Supported Mobile Device Connectors	Lightning, Micro USB, USB Type-C
Max. Supported Mobile Device Size	180×86×10 mm (Height×Width×Thickness)
Operating Temperature	-10° to 40°C (14° to 104°F)
Transmitter Power (EIRP)	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)
Operating Current/Voltage	1200 mA@3.6V (Android) 700 mA@ 3.6 V (iOS)

Charger

Charging Input	100-240 V, 50/60 Hz, 1.3 A
Charging Output	Charging Port: 13.2 V=2.82 A USB Port: 5 V=2 A
Voltage	13.2 V
Rated Power	38 W

SD Cards

Supported SD Cards	Micro SD™ Supports a microSD card with a capacity of up to 256 GB. A UHS-I Speed Grade 3 rating microSD card is required.
Recommended microSD Cards	SanDisk Extreme PRO 64GB V30 A2 microSDXC SanDisk High Endurance 64GB V30 microSDXC SanDisk Extreme 64GB V30 A2 microSDXC SanDisk Extreme 128GB V30 A2 microSDXC SanDisk Extreme 256GB V30 A2 microSDXC Lexar Lexar 667x 64GB V30 A2 microSDXC Lexar High-Endurance 64GB V30 microSDXC Samsung EVO 64GB microSDXC Samsung EVO Plus 64GB microSDXC Samsung EVO Plus 256GB microSDXC Kingston 128GB V30 microSDXC Netac 256GB A1 microSDXC

Footnotes:

1. To ensure the Panorama quality, the aircraft will crop the panoramic photos made out of multiple images. The photo resolution may vary in different shooting scenarios.

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