



dji
AIR 3



Aircraft

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| Takeoff weight | 720 g |
| Dimensions | Folded (without propellers): 207×100.5×91.1 mm (L×W×H) Unfolded (without propellers): 258.8×326×105.8 mm (L×W×H) |
| Max Ascent Speed | 10 m/s |
| Max Descent Speed | 10 m/s |
| Max Horizontal Speed (at sea level, no wind) | 21 m/s 19 m/s in EU regions. |
| Max Takeoff Altitude | 6000 m |
| Max Flight Time | 46 minutes |
| Max Hovering Time | 42 minutes |
| Max flight distance | 32 km |
| Max Wind Speed Resistance | 12 m/s |
| Operating temperature range | -10° to 40° C (14° to 104° F) |
| Max Pitch Angle | 35° |
| Global Navigation Satellite System | GPS + Galileo + BeiDou |
| Hovering accuracy | 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

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| Forward | Measurement Range: 0.5-18 m Detection Range: 0.5-200 m Effective Sensing Speed: Flight Speed \leq 12 m/s FOV: Horizontal 90°, Vertical 72° |
| Backward | Measurement Range: 0.5-18 m Effective Sensing Speed: Flight Speed \leq 12 m/s FOV: Horizontal 90°, Vertical 72° |
| Downward | Measurement Range: 0.3-14 m Effective Sensing Speed: Flight Speed \leq 6 m/s FOV: Front and Back 106°, Left and Right 90° |
| Lateral | Measurement Range: 0.5-30 m Effective Sensing Speed: Flight Speed \leq 12 m/s FOV: Horizontal 90°, Vertical 72° |
| Upward | Measurement Range: 0.5-18 m Effective Sensing Speed: Flight Speed \leq 6 m/s FOV: Front and Back 72°, Left and Right 90° |
| Max Angular Velocity (by default)* | 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) |
| 3D Infrared Sensor | Measurement Range: 0.1-8 m (reflectivity > 10%) FOV: Front and Back 60°, Left and Right 60° |
| Sensing Type | Omnidirectional binocular vision system, supplemented with an infrared sensor at the bottom of the aircraft |



Camera

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| Image Sensor | Wide-Angle Camera: 1/1.3-inch CMOS, Effective Pixels: 48 MP Medium Tele Camera: 1/1.3-inch CMOS, Effective Pixels: 48 MP | |
| Lens | Wide-Angle Camera FOV: 82° Format Equivalent: 24 mm Aperture: f/1.7 Focus: 1 m to ∞ | Medium Tele Camera FOV: 35° Format Equivalent: 70 mm Aperture: f/2.8 Focus: 3 m to ∞ |
| ISO range | Video Normal and Slow Motion: 100-6400 (Normal) 100-1600 (D-Log M) 100-1600 (HLG)3 | Night: 100-12800 (Normal) Photo 100-6400 (12 MP) 100-3200 (48 MP) |
| Shutter Speed | Wide-Angle Camera 12MP Photo: 1/16000-2 s (2.5-8 s for simulated long exposure) 48MP Photo: 1/8000-2 s Medium Tele Camera 12MP Photo: 1/16000-2 s (2.5-8 s for simulated long exposure) 48MP Photo: 1/8000-2 s | |
| Max Image Size | Wide-Angle Camera: 8064×6048 Medium Tele Camera: 8064×6048 | |
| Photo format | JPEG/DNG (RAW) | |
| Still Photography Modes | Wide-Angle Camera Single Shot: 12 MP and 48 MP Burst Shooting: 12 MP, 3/5/7 frames; 48 MP, 3 frames Automatic Exposure Bracketing (AEB): 12 MP, 3/5 frames; 48 MP, 3 frames at 0.7 EV step Timed: 12 MP, 2/3/5/7/10/15/20/30/60 s; 48 MP, 5/7/10/15/20/30/60 s Medium Tele Camera Single Shot: 12 MP and 48 MP Burst Shooting: 12 MP, 3/5/7 frames; 48 MP, 3 frames Automatic Exposure Bracketing (AEB): 12 MP, 3/5 frames; 48 MP, 3 frames at 0.7 EV step Timed: 12 MP, 2/3/5/7/10/15/20/30/60 s; 48 MP, 5/7/10/15/20/30/60 s | |
| Video format | MP4 (MPEG-4 AVC/H.264, HEVC/H.265) | |
| Max Video Bitrate | H.264/H.265: 150 Mbps | |



Camera

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| <p>Video Resolution</p> | <p>Wide-Angle Camera: H.264/H.265 4K: 3840×2160@24/25/30/48/50/60/100*fps FHD: 1920×1080@24/25/30/48/50/60/100*/200*fps 2.7K Vertical Shooting: 1512×2688@24/25/30/48/50/60fps FHD Vertical Shooting: 1080×1920@24/25/30/48/50/60fps</p> <p>Medium Tele Camera: H.264/H.265 4K: 3840×2160@24/25/30/48/50/60/100*fps FHD: 1920×1080@24/25/30/48/50/60/100*/200*fps 2.7K Vertical Shooting: 1512×2688@24/25/30/48/50/60fps FHD Vertical Shooting: 1080×1920@24/25/30/48/50/60fps</p> |
| <p>Supported File System</p> | <p>exFAT</p> |
| <p>Color Mode and Sampling Method</p> | <p>Wide-Angle Camera Normal: 8-bit 4:2:0 (H.264/H.265) HLG/D-Log M: 10-bit 4:2:0 (H.265)</p> <p>Medium Tele Camera Normal: 8-bit 4:2:0 (H.264/H.265) HLG/D-Log M: 10-bit 4:2:0 (H.265)</p> |
| <p>Digital Zoom</p> | <p>Wide-Angle Camera: 1-3x Medium Tele Camera: 3-9x</p> |



Video Transmission

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| Antenna | 4 antennas, 2T4R |
| Operating Frequency | 2.4000-2.4835 GHz 5.170-5.250 GHz 5.725-5.850 Ghz |
| Transmission Power (EIRP) | 2.4 GHz: <33 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.1 GHz: <23 dBm (CE) 5.8 GHz: <33 dBm (FCC), <14 dBm (CE), <30 dBm (SRRC) |

Screen

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| Resolution | 1920×1080 |
| Dimensions | 5.5 inches |
| Frame Rate | 60fps |
| Brightness | 60fps |
| Touch Control | 10-point multi-touch |



DJI RC-N2 Remote Controller

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| Battery | 18650 Li-ion, 22.32Wh (3.6V, 3100mAh×2) |
| Charging Type | Supports up to 9V/3A fast charge. |
| Charging Time | 1.5 hours (with 9V/3A charger) |
| Operating Time | Max 3 hours |
| Storage Temperature | Within one month: -30° to 60° C (-22° to 140° F) One to three months: -30° to 45° C (-22° to 113° F) Three to six months: -30° to 35° C (-22° to 95° F) More than six months: -30° to 25° C (-22° to 77° F) |
| Dimensions | Without control sticks: 168.4×132.5×46.2 mm (L×W×H) With control sticks: 168.4×132.5×62.7 mm (L×W×H) |
| Type | 18650 Li-ion |
| Video Transmission Operating Frequency | 2.4000-2.4835 GHz 5.170-5.250 GHz 5.725-5.850 Ghz |
| Weight | Approx. 420 g |
| Model | RC 2 |
| Supported Aircraft Models | DJI Air 3 |
| Global Navigation Satellite System | GPS + BeiDou + Galileo |
| Charging Time | 2.5 hours |
| Charging Temperature | 5° to 40° C (41° to 104° F) |
| Operating Temperature | -10° to 40° C (14° to 104° F) |

Gimbal

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| Mechanical Range | Tilt: -135° to 70° Roll: -50° to 50° Pan: -27° to 27° |
| Controllable Range | Tilt: -90° to 60° Roll: -5° or 5° |
| Stabilization System | 3-axis mechanical gimbal (tilt, roll, pan) |
| Max Control Speed (Tilt) | 100°/s |
| Angular Vibration Range | ±0.0037° |

Charger

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| Input | DJI 65W Portable Charger: 100-240 V (AC), 50-60 Hz, 2 A DJI 100W USB-C Power Adapter: 100-240 V (AC), 50-60 Hz, 2.5 A |
| Output | DJI 65W Portable Charger: 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 DJI 100W USB-C Power Adapter: Max 100 W (total) |
| Rated Power | DJI 65W Portable Charger: 65 W DJI 100W USB-C Power Adapter: 100 W |

Storage

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|---------------------------|---|
| SD storage | SanDisk Extreme PRO 64GB V30 A2 microSDXC SanDisk High Endurance 64GB V30 microSDXC Lexar 256GB V30 A2 microSDXC Samsung EVO 64GB V30 microSDXC Samsung EVO Plus 128GB V30 microSDXC Samsung EVO Plus 256GB V30 microSDXC Kingston 256GB V30 microSDXC |
| Supported SD Cards | UHS-I Speed Grade 3 rating microSD card or above. |
| Internal Storage | 32GB + expandable storage (with microSD card) |

Battery Charging Hub

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| Input | USB-C: 5-20 V, max 5 A |
| Output (power accumulation) | Battery Port: 12-17 V, 3.5 A |
| Output (charging) | Battery Port: 12-17 V, max 5 A |
| Output (USB) | USB-C: 5 V, 3 A 9 V, 5 A 12 V, 5 A 15 V, 5 A 20 V, 4.1 A |
| Charging Type | Three batteries charged in sequence. |
| Compatibility | DJI Air 3 Intelligent Flight Battery |

Car Charger

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|-----------------------------|--|
| 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) |

Wi-Fi

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|---------------------------------|---|
| Transmitter Power (EIRP) | 2.4 GHz: <26 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.1 GHz: < 23 dBm (FCC/CE/SRRC/MIC) 5.8 GHz: <23 dBm (FCC/SRRC), <14 dBm (CE) |
| Protocol | 802.11 a/b/g/n/ac/ax |
| Operating Frequency | 2.4000-2.4835 GHz 5.150-5.250 GHz 5.725-5.850 Ghz |



Battery

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|-----------------------------------|---|
| Capacity | 4241 mAh |
| Nominal Voltage | 14.76 V |
| Weight | Approx. 267 g |
| Battery type | Li-ion |
| Energy | 62.6 Wh |
| Charging temperature range | 5° to 40° C (41° to 104° F) |
| Charging time | Approx. 80 minutes (with DJI 65W Portable Charger) Approx. 60 minutes (with DJI 100W USB-C Power Adapter and Battery Charging Hub) |
| Bluetooth | |
| Protocol | Bluetooth 5.2 |
| Transmitter Power (EIRP) | < 10 dBm |
| Operating Frequency | 2.400-2.4835 Ghz |

 **+91 8100108900 | +91 74396 04056**

 **info@mavdrones.com**

 **Play ground, Rifle Club Rd, beside the, Subodh Garden, Subodh Park,
Bansdrani, Kolkata, West Bengal 700070**