

## Specs

## Aircraft

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| Takeoff Weight                               | Mavic 3 Pro: 958 g<br>Mavic 3 Pro Cine: 963 g  |
| Dimensions                                   | Folded (without propellers): 231.1×98×95.4 mm (L×W×H)<br>Unfolded (without propellers): 347.5×290.8×107.7 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   |
| Max Takeoff Altitude                         | 6000 m   |
| Max Flight Time                              | 43 minutes<br><small>On a standard parameter setting, the Max Flight Time is based on the Max Ascent Speed set to 1080p/24fps, follows only in a flat, frost-free environment with no wind. The actual flight time may vary.</small>     |
| Max Hovering Time                            | 37 minutes<br><small>On a standard parameter setting, the Max Hovering Time is based on the Max Ascent Speed set to 1080p/24fps, follows only in a flat, frost-free environment with no wind. The actual hovering time may vary.</small> |
| Max Flight Distance                          | 28 km  |
| Max Wind Speed Resistance                    | 12 m/s   |
| Max Tilt Angle                               | 35°  |
| Operating Temperature                        | -10° to 40° C (14° to 104° F)  |
| Global Navigation Satellite System           | GPS + Galileo + BeiDou   |
| Hovering Accuracy Range                      | Vertical:<br>±0.1 m (with vision positioning)<br>±0.5 m (with GNSS positioning)<br><br>Horizontal:<br>±0.3 m (with vision positioning)<br>±0.5 m (with high-precision positioning system)  |
| Internal Storage                             | Mavic 3 Pro: 8 GB (approx. 7.9GB available space)<br>Mavic 3 Pro Cine: 1 TB (approx. 934.8GB available space)  |

## Camera

|                     |  |
|---------------------|--|
| <b>Image Sensor</b> | Hasselblad Camera: 4/3 CMOS, Effective Pixels: 20 MP         |
|                     | Medium Tele Camera: 1/1.3-inch CMOS, Effective Pixels: 48 MP |
|                     | Tele Camera: 1/2-inch CMOS, Effective Pixels: 12 MP          |

|                         |   |
|-------------------------|---|
| Lens                    | Hasselblad Camera<br>FOV: 84°<br>Format Equivalent: 24mm<br>Aperture: f/2.8-f/11<br>Focus: 1 m to ∞   |
|                         | Medium Tele Camera<br>FOV: 35°<br>Format Equivalent: 70mm<br>Aperture: f/2.8<br>Focus: 3 m to ∞   |
|                         | Tele Camera<br>FOV: 15°<br>Format Equivalent: 166mm<br>Aperture: f/3.4<br>Focus: 3 m to ∞   |
| ISO Range               | Video<br>Normal and Slow Motion:<br>100-6400 (Normal)<br>400-1600 (D-Log)<br>100-1600 (D-Log M)<br>100-1600 (HLG)   |
|                         | Night:<br>800-12800 (Normal)  |
|                         | Photo<br>100-6400   |
| Shutter Speed           | Hasselblad Camera: 8-1/8000 s<br>Medium Tele Camera: 2-1/8000 s<br>Tele Camera: 2-1/8000 s  |
| Max Image Size          | Hasselblad Camera: 5280×3956<br>Medium Tele Camera: 8064×6048<br>Tele Camera: 4000×3000   |
| Still Photography Modes | Hasselblad Camera<br>Single Shot: 20 MP<br>Burst Shooting: 20 MP, 3/5/7 frames<br>Automatic Exposure Bracketing (AEB): 20 MP, 3/5 frames at 0.7 EV step<br>Timed: 20 MP, 2/3/5/7/10/15/20/30/60 s   |
|                         | Medium Tele Camera<br>Single Shot: 12 MP or 48 MP<br>Burst Shooting: 12 MP or 48 MP, 3/5/7 frames<br>Automatic Exposure Bracketing (AEB): 12 MP or 48 MP, 3/5 frames at 0.7 EV step<br>Timed:<br>12 MP: 2/3/5/7/10/15/20/30/60 s<br>48 MP: 7/10/15/20/30/60 s |
|                         | Tele Camera<br>Single Shot: 12 MP<br>Burst Shooting: 12 MP, 3/5/7 frames<br>Automatic Exposure Bracketing (AEB): 12 MP, 3/5 frames at 0.7 EV step<br>Timed: 12 MP, 2/3/5/7/10/15/20/30/60 s   |
| Photo Format            | JPEG/DNG (RAW)  |

**Video Resolution**

Hasselblad Camera  
Apple ProRes 422 HQ  
Apple ProRes 422  
Apple ProRes 422 LT  
5.1K: 5120×2700@24/25/30/48/50fps  
DCI 4K: 4096×2160@24/25/30/48/50/60/120\*fps  
4K: 3840×2160@24/25/30/48/50/60/120\*fps

H.264/H.265  
5.1K: 5120×2700@24/25/30/48/50fps  
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.

Medium Tele Camera  
Apple ProRes 422 HQ  
Apple ProRes 422  
Apple ProRes 422 LT  
4K: 3840×2160@24/25/30/48/50/60fps

H.264/H.265  
4K: 3840×2160@24/25/30/48/50/60fps  
FHD: 1920×1080@24/25/30/48/50/60fps

Tele Camera  
Apple ProRes 422 HQ  
Apple ProRes 422  
Apple ProRes 422 LT  
4K: 3840×2160@24/25/30/48/50/60fps

H.264/H.265  
4K: 3840×2160@24/25/30/50/60fps  
FHD: 1920×1080@24/25/30/50/60fps

**Video Format**

MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)  
MOV (Apple ProRes 422 HQ/422/422 LT)

**Max Video Bitrate**

H.264/H.265: 200 Mbps  
Apple ProRes 422 HQ: 3772 Mbps  
Apple ProRes 422: 2514 Mbps  
Apple ProRes 422 LT: 1750 Mbps

**Supported File System**

exFAT

**Color Mode and Sampling Method**

Hasselblad Camera  
Normal:  
10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT)  
8-bit 4:2:0 (H.264/H.265)  
D-Log:  
10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT)  
10-bit 4:2:0 (H.264/H.265)  
HLG/D-Log M:  
10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT)  
10-bit 4:2:0 (H.265)

Medium Tele Camera  
Normal:  
10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT)  
8-bit 4:2:0 (H.264/H.265)

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|  | HLG/D-Log M:<br>10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT)<br>10-bit 4:2:0 (H.265)                |
|  | Tele Camera<br>Normal:<br>10-bit 4:2:2 (Apple ProRes 422 HQ/422/422 LT)<br>8-bit 4:2:0 (H.264/H.265) |
| <b>Digital Zoom (only in Normal Video Mode and Explore Mode)</b> | Hasselblad Camera: 1-3x<br>Medium Tele Camera: 3-7x<br>Tele Camera: 7-28x                            |

## Gimbal

|                                 |   |
|---------------------------------|---|
| <b>Stabilization</b>            | 3-axis mechanical gimbal (tilt, roll, pan)  |
| <b>Mechanical Range</b>         | Tilt: -140° to 50°<br>Roll: -50° to 50°<br>Pan: -23° to 23°   |
| <b>Controllable Range</b>       | Tilt: -90° to 35°<br>Pan: -5° to 5°   |
| <b>Max Control Speed (tilt)</b> | 100°/s  |
| <b>Angular Vibration Range</b>  | Hovering Without Wind: $\pm 0.001^\circ$<br>Normal Mode: $\pm 0.003^\circ$<br>Sport Mode: $\pm 0.005^\circ$ |

## Sensing

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| <b>Sensing Type</b> | Omnidirectional binocular vision system, supplemented with an infrared sensor at the bottom of the airframe  |
| <b>Forward</b>      | Measurement Range:<br>0.5-20 m<br>Detection Range:<br>0.5-200 m<br>Effective Sensing Speed:<br>Flight Speed $\leq 15$ m/s<br>FOV:<br>Horizontal 90°, Vertical 103° |
| <b>Backward</b>     | Measurement Range:<br>0.5-16 m<br>Effective Sensing Speed:<br>Flight Speed $\leq 12$ m/s<br>FOV:<br>Horizontal 90°, Vertical 103°                                  |
| <b>Lateral</b>      | Measurement Range:<br>0.5-25 m<br>Effective Sensing Speed:<br>Flight Speed $\leq 15$ m/s<br>FOV:<br>Horizontal 90°, Vertical 85°                                   |

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|------------------------------|---|
| <b>Upward</b>                | Measurement Range:<br>0.2-10 m<br>Effective Sensing Speed:<br>Flight Speed $\leq$ 6 m/s<br>FOV:<br>Front and Back 100°, Left and Right 90°  |
| <b>Downward</b>              | Measurement Range:<br>0.3-18 m<br>Effective Sensing Speed:<br>Flight Speed $\leq$ 6 m/s<br>FOV:<br>Front and Back 130°, Left and Right 160°   |
| <b>Operating Environment</b> | Forward, Backward, Left, Right, and Upward:<br>surfaces with discernible patterns and adequate lighting (lux > 15)<br>Downward:<br>surfaces with discernible patterns, diffuse reflectivity > 20% (e.g. walls, trees, people), and adequate lighting (lux > 15) |

## Video Transmission

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|---|--|
| <b>Video Transmission System</b>                                      | O3+  |
| <b>Live View Quality</b>  | Remote Controller:<br>1080p/30fps, 1080p/60fps   |
| <b>Operating Frequency</b>  | 2.400-2.4835 GHz<br>5.725-5.850 GHz  |
| <b>Transmitter Power (EIRP)</b>                                       | 2.4 GHz:<br>< 33 dBm (FCC)<br>< 20 dBm (CE/SRRC/MIC)<br><br>5.8 GHz:<br>< 33 dBm (FCC)<br>< 30 dBm (SRRC)<br>< 14 dBm (CE)   |
| <b>Max Transmission Distance (unobstructed, free of interference)</b> | FCC: 15 km<br>CE: 8 km<br>SRRC: 8 km<br>MIC: 8 km<br><small>Maximum transmission distance is based on the standard in unobstructed environments with typical interference. Used for reference purposes only and provides no guarantee of performance.</small>  |
| <b>Max Transmission Distance (unobstructed, with interference)</b>    | Strong Interference: Urban landscape, approx. 1.5-3 km<br>Medium Interference: Suburban landscape, approx. 3-9 km<br>Low Interference: Suburb/seaside, approx. 9-15 km<br><small>Maximum transmission distance is based on the standard in unobstructed environments with typical interference. Used for reference purposes only and provides no guarantee of performance.</small> |
| <b>Max Transmission Distance (obstructed, with interference)</b>      | Low Interference and Obstructed by Buildings: approx. 0-0.5 km<br>Low Interference and Obstructed by Trees: approx. 0.5-3 km<br><small>Maximum transmission distance is based on the standard in environments with typical low interference. Used for reference purposes only and provides no guarantee of performance.</small>  |
| <b>Max Download Speed</b>   | O3+:<br>5.5 MB/s (with DJI RC-N1 Remote Controller)<br>15 MB/s (with DJI RC Pro)<br>5.5 MB/s (with DJI RC)<br><br>Wi-Fi 6: 80 MB/s*<br><small>Maximum download speed may vary with different interference and network conditions. Actual download speed may vary.</small>  |

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| <b>Lowest Latency</b> | 130 ms (with DJI RC-N1 Remote Controller)<br>120 ms (with DJI RC Pro)<br>130 ms (with DJI RC)<br>Depending on the actual environment and mobile device. |
| <b>Antenna</b>        | 4 antennas, 2T4R  |

## Battery

|                             |  |
|-----------------------------|--|
| <b>Capacity</b>             | 5000 mAh   |
| <b>Weight</b>               | 335.5 g  |
| <b>Nominal Voltage</b>      | 15.4 V   |
| <b>Max Charging Voltage</b> | 17.6 V   |
| <b>Type</b>                 | Li-ion 4S  |
| <b>Energy</b>               | 77 Wh  |
| <b>Charging Temperature</b> | 5° to 40° C (41° to 104° F)  |
| <b>Charging Time</b>        | Approx. 96 minutes<br>Use the included data cable of the DJI 65W Portable Charger.                           |
|                             | Approx. 70 minutes<br>Use the DJI 100W USB-C Power Adapter and DJI Mavic 3 Series 100W Battery Charging Hub. |

## Charger

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|--------------------|--|
| <b>Input</b>       | DJI 65W Portable Charger:<br>100-240 V (AC), 50-60 Hz, 2 A   |
|                    | DJI 100W USB-C Power Adapter:<br>100-240 V (AC), 50-60 Hz, 2.5 A   |
| <b>Output</b>      | DJI 65W Portable Charger:<br>USB-C:<br>5 V, 5 A<br>9 V, 5 A<br>12 V, 5 A<br>15 V, 4.3 A<br>20 V, 3.25 A<br>5-20 V, 3.25 A<br><br>USB-A:<br>5 V, 2 A<br><br>DJI 100W USB-C Power Adapter:<br>Max 100 W (total)<br>When both ports are used, the max output power of one port is 82 W, and the charger will dynamically all output power of the two ports according to the power load. |
| <b>Rated Power</b> | DJI 65W Portable Charger: 65 W<br>DJI 100W USB-C Power Adapter: 100 W  |

## Battery Charging Hub

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

## Car Charger

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|-----------------------------|--|
| <b>Input</b>                | Car Power Input:<br>12.7-16 V, 6.5 A, rated voltage 14 V (DC)  |
| <b>Output</b>               | USB-C:<br>5 V, 5 A<br>9 V, 5 A<br>12 V, 5 A<br>15 V, 4.3 A<br>20 V, 3.25 A<br>5-20 V, 3.25 A<br><br>USB-A:<br>5 V, 2 A |
| <b>Rated Power</b>          | 65 W   |
| <b>Charging Temperature</b> | 5° to 40° C (41° to 104° F)  |

## Storage

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|----------------------------------|--|
| <b>Recommended microSD Cards</b> | Lexar 1066x 64GB V30 A2 microSDXC<br>Lexar 1066x 128GB V30 A2 microSDXC<br>Lexar 1066x 256GB V30 A2 microSDXC<br>Lexar 1066x 512GB V30 A2 microSDXC<br>SanDisk High Endurance 64GB V30 microSDXC<br>SanDisk High Endurance 128GB V30 microSDXC<br>SanDisk High Endurance 256GB V30 microSDXC<br>Kingston Canvas Go! Plus 64GB V30 A2 microSDXC<br>Kingston Canvas Go! Plus 128GB V30 A2 microSDXC<br>Kingston Canvas Go! Plus 256GB V30 A2 microSDXC<br>Kingston Canvas Go! Plus 512GB V30 A2 microSDXC<br>Samsung EVO Plus 512GB V30 A2 microSDXC<br>Samsung PRO Plus 256GB V30 A2 microSDXC<br>Samsung PRO Plus 512GB V30 A2 microSDXC |
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