

# Specs

## Aircraft

|                                     |   |
|-------------------------------------|---|
| Takeoff Weight <sup>[1]</sup>       | < 249 g   |
| Dimensions                          | Folded: 138×81×58 mm (L×W×H)<br>Unfolded: 159×203×56 mm (L×W×H)<br>Unfolded (with propellers): 245×289×56 mm (L×W×H)                |
| Diagonal Distance                   | 213 mm  |
| Max Ascent Speed                    | 5 m/s (S Mode)<br>3 m/s (N Mode)<br>2 m/s (C Mode)  |
| Max Descent Speed                   | 3.5 m/s (S Mode)<br>3 m/s (N Mode)<br>1.5 m/s (C Mode)  |
| Max Speed (near sea level, no wind) | 16 m/s (S Mode)<br>10 m/s (N Mode)<br>6 m/s (C Mode)  |
| Max Service Ceiling Above Sea Level | 4000 m  |
| Max Flight Time                     | 31 mins (measured while flying at 4.7 m/s in windless conditions)   |
| Max Wind Speed Resistance           | 8.5-10.5 m/s (Scale 5)  |
| Max Tilt Angle                      | 40° (S Mode)<br>25° (N Mode)*<br>25° (C Mode)*<br>* Up to 40° under strong winds  |
| Max Angular Velocity (by default)*  | 130°/s (S Mode)<br>60°/s (N Mode)<br>30°/s (C Mode)<br>* Can be adjusted to 250°/s with the DJI Fly app                             |
| Operating Temperature               | 0° to 40°C (32° to 104°F)   |
| Operating Frequency <sup>[2]</sup>  | 2.400-2.4835 GHz, 5.725-5.850 GHz   |
| Transmitter Power (EIRP)            | 2.400-2.4835 GHz<br>FCC ≤ 26 dBm<br>CE ≤ 20 dBm<br>SRRC ≤ 20 dBm<br>5.725-5.850 GHz<br>FCC ≤ 26 dBm<br>CE ≤ 14 dBm<br>SRRC ≤ 26 dBm |

|   |  |
|---|--|
| Global Navigation Satellite System (GNSS) | GPS+GLONASS+GALILEO  |
| Hovering Accuracy Range                   | Vertical: $\pm 0.1$ m (with Vision Positioning), $\pm 0.5$ m (with GPS Positioning)<br>Horizontal: $\pm 0.3$ m (with Vision Positioning), $\pm 1.5$ m (with GPS Positioning) |

## Gimbal

|                          |   |
|--------------------------|---|
| Mechanical Range         | Tilt: $-110^{\circ}$ to $35^{\circ}$<br>Roll: $-35^{\circ}$ to $35^{\circ}$<br>Pan: $-20^{\circ}$ to $20^{\circ}$ |
| Controllable Range       | Tilt: $-90^{\circ}$ to $0^{\circ}$ (default setting) $-90^{\circ}$ to $+20^{\circ}$ (extended)                    |
| Stabilization            | 3-axis (tilt, roll, pan)  |
| Max Control Speed (tilt) | $100^{\circ}/s$   |
| Angular Vibration Range  | $\pm 0.01^{\circ}$  |

## Sensing System

|                       |   |
|-----------------------|---|
| Downward              | Hovering Range: 0.5-10 m  |
| Operating Environment | Non-reflective, discernable surfaces<br>Diffuse reflectivity ( $> 20\%$ , such as cement pavement)<br>Adequate lighting (lux $> 15$ , Normal exposure environment of indoor fluorescent lamp) |

## Camera

|                         |  |
|-------------------------|--|
| Sensor                  | 1/2.3" CMOS<br>Effective Pixels: 12 MP   |
| Lens                    | FOV: $83^{\circ}$<br>35 mm format equivalent: 24 mm<br>Aperture: f/2.8<br>Focus range: 1 m to $\infty$   |
| ISO                     | Video:<br>100-3200 (Auto)<br>100-3200 (Manual)<br>Photos:<br>100-3200 (Auto)<br>100-3200 (Manual)  |
| Shutter Speed           | Electronic Shutter: 4-1/8000 s   |
| Max Image Size          | 4:3: 4000 $\times$ 3000<br>16:9: 4000 $\times$ 2250  |
| Still Photography Modes | Single Shot<br>Interval: JPEG: 2/3/5/7/10/15/20/30/60 s<br>JPEG+RAW: 5/7/10/15/20/30/60 s<br>Auto Exposure Bracketing (AEB): 3 bracketed frames at 2/3 EV Bias<br>Panorama: Sphere, $180^{\circ}$ , and Wide-angle |

|                        |  |
|------------------------|--|
| Video Resolution       | 4K: 3840×2160 @ 24/25/30fps<br>2.7K: 2720×1530 @ 24/25/30/48/50/60fps<br>FHD: 1920×1080 @ 24/25/30/48/50/60fps |
| Max Video Bitrate      | 100 Mbps   |
| Zoom Range             | 4K: 2x<br>2.7K: 3x<br>FHD: 4x  |
| QuickShot Modes        | Dronie,<br>Helix,<br>Rocket,<br>Circle,<br>Boomerang   |
| Supported File Formats | FAT32 (≤ 32 GB)<br>exFAT (> 32 GB)   |
| Photo Formats          | JPEG/DNG (RAW)   |
| Video Formats          | MP4 (H.264/MPEG-4 AVC)   |

## Remote Controller & Video Transmission

|   |  |
|---|--|
| Operating Frequency   | 2.400-2.4835 GHz, 5.725-5.850 GHz  |
| Max Transmission Distance<br>(unobstructed, free of<br>interference) <sup>[3]</sup> | 10 km (FCC)<br>6 km (CE)<br>6 km (SRRC)<br>6 km (MIC)  |
| Signal Transmission Ranges (FCC)<br><sup>[4]</sup>                                  | Strong Interference (urban landscape, limited line of sight, many competing signals): Approx. 3 km<br>Medium Interference (suburban landscape, open line of sight, some competing signals): Approx. 6 km<br>Low Interference (open landscape abundant line of sight, few competing signals): Approx. 10 km |
| Operating Temperature   | -10° to 40° C (14° to 104° F)  |
| Transmission Power (EIRP)   | 2.400-2.4835 GHz<br>FCC ≤ 26 dBm<br>CE ≤ 20 dBm<br>SRRC ≤ 20 dBm<br>MIC ≤ 20 dBm<br>5.725-5.850 GHz<br>FCC ≤ 26 dBm<br>CE ≤ 14 dBm<br>SRRC ≤ 26 dBm  |
| Battery Capacity  | 5200 mAh   |
| Voltage   | 1200 mA 3.6 V (Android)<br>700 mA 3.6 V (iOS)  |
| Supported Mobile Device Size  | 180×86×10 mm (Height×Width×Thickness)  |
| Supported USB Port Types  | LightningMicro USB (Type-B) USB-C  |
| Video Transmission System   | OcuSync 2.0  |

|   |                               |
|---|-------------------------------|
| Live View Quality   | Remote Controller: 720p/30fps |
| Max Bitrate   | 8 Mbps                        |
| Latency (depending on environmental conditions and mobile device) | About 200 ms                  |

Charger

|             |                            |
|-------------|----------------------------|
| Input       | 100-240 V, 50/60 Hz, 0.5 A |
| Output      | 12V 1.5 A / 9V 2A / 5V 3A  |
| Rated Power | 18 W                       |

Intelligent Flight Battery

|                        |                           |
|------------------------|---------------------------|
| Battery Capacity       | 2250 mAh                  |
| Voltage                | 7.7 V                     |
| Charging Voltage Limit | 8.8 V                     |
| Battery Type           | LiPo 2S                   |
| Energy                 | 17.32 Wh                  |
| Weight                 | 86.2 g                    |
| Charging Temperature   | 5° to 40°C (41° to 104°F) |
| Max Charging Power     | 29 W                      |

App

|                           |   |
|---------------------------|---|
| Name                      | DJI Fly                                 |
| Required Operating System | iOS v10.0 or laterAndroid v6.0 or later |

Supported SD Cards

|                           |   |
|---------------------------|---|
| Supported SD Cards        | UHS-I Speed Class 3 or above is required. A list of recommended microSD cards can be found below.   |
| Recommended microSD Cards | 16 GB: SanDisk Extreme<br>32 GB: Samsung Pro Endurance, Samsung Evo Plus, SanDisk Industrial, SanDisk Extreme V30 A1, SanDisk Extr A2, SanDisk Extreme Pro V30 A1, SanDisk Extreme Pro V30 A2, Lexar 633x, Lexar 667x<br>64 GB: Samsung Pro Endurance, Samsung Evo Plus, SanDisk Extreme V30 A2, Lexar 633x, Lexar 667x, Lexar 1C Lexar High Endurance, Toshiba EXCERIA M303 V30 A1, Netac Pro V30 A1<br>128 GB: Samsung Evo Plus, SanDisk Extreme V30 A2, SanDisk Extreme Plus V30 A1, SanDisk Extreme Plus V30 633x, Lexar 667x, Lexar 1000x, Lexar High Endurance, Toshiba EXCERIA M303 V30 A1, Netac Pro V30 A1<br>256 GB: SanDisk Extreme V30 A2 |

## Footnotes

### Footnotes

1. The standard weight of the aircraft (including battery, propellers, and a microSD card) is 242 grams. Actual weight may vary. Registration is not required in some countries and regions. Check local rules and regulations before use. These specifications have been determined through tests conducted with the latest firmware. Firmware can enhance performance, so updating to the latest firmware is highly recommended.
2. Due to local policy and regulation restrictions, the 5.8 GHz frequency band is currently banned in certain countries including but not limited to Japan, Russia, Israel, Ukraine, and Kazakhstan. Please use the 2.4 GHz frequency band when operating in these locations. Always check local rules and regulations before use, as they may change over time.
3. Maximum flight range specification is a proxy for radio link strength and resilience, not aircraft battery capacity. It only refers to the maximum, one-way flight distance. Data was measured in an open environment without interference. Please pay attention to the return prompt on the DJI Fly app during actual flight. Refer to the following applicable standard in different countries and regions:  
FCC: United States, Australia, Canada, Hong Kong, Taiwan, Chile, Colombia, Puerto Rico, and other regions;  
SRRC: Mainland China;  
CE: UK, Russia, France, Germany, Portugal, Spain, Switzerland, Macau, New Zealand, UAE, and other regions;  
MIC: Japan.
4. Data is tested under different standards in open areas free of interference. It only refers to the maximum, one-way flight distance without considering Return to Home. Please pay attention to RTH prompts in the DJI Fly app during actual flight.