

**Specifications :****Aircraft**

- Takeoff Weight
  - a) 248 g
  - b) Standard Aircraft Weight (including The Intelligent Flight Battery, Propellers, And A Microsd Card).
  - c) The Actual Product Weight May Vary Due To Differences In Batch Materials And External Factors. Registration Is Not Required In Some Countries And Regions.
  - d) Check Local Laws And Regulations Before Use. With The Intelligent Flight Battery Plus,\* The Aircraft Will Weigh More Than 249 g (About 290 g).
  - e) Please Check And Strictly Abide By Local Laws And Regulations Before Flying.

**Dimensions :**

- Folded (without Propellers) : 148×90×62 mm (L×W×H)
- Unfolded (with Propellers) : 251×362×72 mm (L×W×H)
- Max Ascent Speed : 5 m/s
- Max Descent Speed : 3.5 m/s
- Max Horizontal Speed (At Sea Level, No Wind) : 16 m/s, The Max Horizontal Speed Is Subject To Dynamic Local Restrictions. Please Abide By Local Laws And Regulations When Flying.
- Max Takeoff Altitude :
  - a) With Intelligent Flight Battery: 4000 m
  - b) With Intelligent Flight Battery Plus\*: 3000 m

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- c) Increase In Aircraft Weight Can Affect Flight Propulsion. When The Aircraft Is Using The Intelligent Flight Battery Plus, Do Not Mount Additional Payloads Like A Propeller Guard Or Thirdparty Accessories To Avoid Diminished Propulsion.
- Max Flight Time :
  - a) 38 Minutes (with Intelligent Flight Battery)
  - b) 51 Minutes (with Intelligent Flight Battery Plus\*)
  - c) Measured In A Controlled Test Environment. Specific Test Conditions Are As Follows: Flying Forward At A Constant Speed Of 21.6 Kph In A Windless Laboratory Environment, In Photo Mode (WITHOUT Photo Taking Operation During Flight), And From 100% Battery Level Until 0%. Results May Vary Depending On The Environment, Actual Use, And Firmware Version.
- Max Hovering Time :
  - a) 33 Minutes (WITH Intelligent Flight Battery)
  - b) 44 Minutes (WITH Intelligent Flight Battery Plus\*)
  - c) Measured In A Controlled Test Environment. Specific Test Conditions Are As Follows: Hovering In A Windless Laboratory Environment, In Photo Mode (WITHOUT Photo Taking Operation During Flight), And From 100% Battery Level Until 0%. Results May Vary Depending On The Environment, Actual Use, And Firmware Version.
- Max Flight Distance :
  - a) 18 Km (WITH Intelligent Flight Battery And Measured While Flying At 43.2 Kph In Windless Conditions)
  - b) 25 Km (WITH Intelligent Flight Battery Plus\* And Measured While Flying At 43.2 Kph In Windless Conditions)
- Max Wind Speed Resistance : 10.7 m/s (Level 5)
- Max Tilt Angle : 40°
- Operating Temperature : -10° to 40° C (14° to 104° F)
- Global Navigation Satellite System : GPS + GLONASS + Galileo
- Hovering Accuracy Range:
  - a) Vertical:
    - ±0.1 m (With Vision Positioning)
    - ±0.5 m (With GNSS Positioning)
  - a) Horizontal:
    - ±0.3 m (With Vision Positioning)
    - ±1.5 m (With GNSS Positioning)

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**Camera**

- Image Sensor :
  - a) 1/1.3-inch CMOS
  - b) Effective Pixels: 12 MP
- Lens :
  - a) FOV: 82.1°
  - b) Format Equivalent: 24 mm
  - c) Aperture: f/1.7
  - d) Focus: 1 m to  $\infty$
- ISO Range :
  - a) Video: 100-3200
  - b) Photo: 100-3200
- Shutter Speed :
  - a) Electronic Shutter: 2-1/8000 s
- Max Image Size : 4000×3000
- Still Photography Modes :
  - a) Single Shot: 12 MP
  - b) Timed: 12 MP
  - c) JPEG: 2/3/5/7/10/15/20/30/60 s
  - d) JPEG + RAW: 5/7/10/15/20/30/60 s
  - e) Automatic Exposure Bracketing (AEB): 12 MP, 3 Frames At 2/3 Ev Step
  - f) Panorama: Sphere, 180°, Wide Angle
  - g) HDR: The Single Shot Mode Supports Outputting Hdr Images.
- Photo Format : JPEG/DNG (RAW)
- Video Resolution :
  - a) 4K: 3840×2160@24/25/30 fps
  - b) 2.7K: 2720×1530@24/25/30/48/50/60 fps
  - c) FHD: 1920×1080@24/25/30/48/50/60 fps
  - d) Hdr: Recording With The 24/25/30fps Frame Rate Supports Outputting HDR Images.
- Video Format : MP4 (H.264)
- Max Video Bitrate : 100 Mbps
- Supported File System
  - a) FAT32 ( $\leq$  32 GB)
  - b) exFAT ( $>$  32 GB)

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- Color Mode : Normal
- Digital Zoom :
  - a) 4K: 2×
  - b) 2.7K: 3×
  - c) FHD: 4×
- QuickShots Modes : Dronie, Helix, Rocket, Circle, and Boomerang

### Gimbal

- Stabilization : 3-Axis Mechanical Gimbal (tilt, Roll, And Pan)
- Mechanical Range :
  - a) Tilt: -135° to 80°
  - b) Roll: -135° to 45°
  - c) Pan: -30° to 30°
- Controllable Range
  - a) Tilt: -90° to 60°
  - b) Roll: -90° or 0°
- Max Control Speed (tilt) : 100°/s
- Angular Vibration Range : ±0.01°

### Sensing

- Sensing Type : Downward Vision System
- Downward : Precise Hovering Range; 0.5-10 m
- Operating Environment:
  - a) Downward: Diffuse Reflective Surfaces With A Clear Pattern And Reflectivity > 20% (such As Walls, Trees, Or People)
  - b) Adequate Lighting (lux > 15, Normal Indoor Lighting Conditions)

### Video Transmission

- Video Transmission System : DJI O2
- Live View Quality
  - a) Remote Controller : 720p/30fps
- Operating Frequency
  - a) 2.400-2.4835 Ghz
  - b) 5.725-5.850 GHz
- Transmission Power (EIRP)
  - a) 2.400-2.4835 GHz:
  - b) < 26 dBm (FCC)

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- c) < 20 dBm (CE/SRRC/MIC)
- d) 5.725-5.850 GHz:
- e) < 26 dBm (FCC/SRRC)
- f) < 14 dBm (CE)
- Max Transmission Distance (free of interference)
  - a) FCC: 10 km
  - b) CE: 6 km
  - c) SRRC: 6 km
  - d) MIC: 6 km
  - e) Measured In An Unobstructed Outdoor Environment Free Of Interference. The Above Data Shows The Farthest Communication Range For One-Way, Non-Return Flights Under Each Standard.
  - f) During Your Flight, Please Pay Attention To Rth Reminders In The Fly App.
- Max Transmission Distance (with Interference)
  - a) Strong Interference: Urban Landscape, Approx. 1.5-3 Km
  - b) Medium Interference: Suburban Landscape, Approx. 3-6 Km
  - c) Low Interference: Suburb/Seaside, Approx. 6-10 Km
  - d) Data Tested Under Fcc Standard In Unobstructed Environments With Typical Interference. Used For Reference Purposes Only And Provides No Guarantee For Actual Flight Distance.
- Max Download Speed
  - a) DJI O2:
    - 5.5 MB/s (with Remote Controller)
    - Wi-Fi 5: 25 MB/s\*
  - b) Measured In A Laboratory Environment With Little Interference In Countries/Regions That Support Both 2.4 GHz And 5.8 GHz, With Footage Saved To The SD Card. Download Speeds May Vary Depending On The Actual Conditions.
- Lowest Latency
  - a) Approx. 200 ms
  - b) Depending On The Actual Environment And Mobile Device.
- Antenna : 2 Antennas, 1T2R

## Battery

- Capacity
  - a) Intelligent Flight Battery: 2453 mAh

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- b) Intelligent Flight Battery Plus\*: 3850 mAh
- Weight
  - a) Intelligent Flight Battery: Approx. 80.5 g
  - b) Intelligent Flight Battery Plus\*: Approx. 121 g
- Nominal Voltage : 7.38 V
- Max Charging Voltage : 8.5 V
- Type : Li-ion
- Energy :
  - a) Intelligent Flight Battery: 18.1 Wh
  - b) Intelligent Flight Battery Plus\*: 28.4 Wh
- Charging Temperature : 5° to 40° C (41° to 104° F)
- Charging Time :
  - a) Intelligent Flight Battery:
    - 64 Minutes ( With The 30W Usb-C Charger And The Battery Mounted To The Aircraft)
    - 56 Minutes ( With The 30W Usb-C Charger And The Battery Inserted Into The Two-Way Charging Hub)
  - b) Intelligent Flight Battery Plus\*:
    - 101 Minutes ( With The 30W Usb-C Charger And The Battery Mounted To The Aircraft)
    - 78 Minutes ( With The 30W Usb-C Charger And The Battery Inserted Into The Two-Way Charging Hub)

### Charger

- Recommended Charger
- 30W USB-C Charger or Other Usb Power Delivery Chargers (30 W)\*
- When You Charge The Battery Mounted To The Aircraft Or Inserted Into The Two-Way Charging Hub, The Maximum Charging Power Supported Is 30 W.

### Charging Hub

- Input
  - a) 5 V, 3 A
  - b) 9 V, 3 A
  - c) 12 V, 3 A
- Output : USB-A: Max Voltage: 5 V; Max Current: 2 A

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- Charging Type : Three Batteries Charged In Sequence
- Compatible Batteries :
  - a) Intelligent Flight Battery, Intelligent Flight Battery Plus\*

**Storage**

- Recommended Microsd Cards
  - a) SanDisk Extreme 32GB V30 A1 microSDXC
  - b) SanDisk Extreme 64GB V30 A1 microSDXC
  - c) SanDisk Extreme 128GB V30 A2 microSDXC
  - d) SanDisk Extreme 256GB V30 A2 microSDXC
  - e) SanDisk Extreme Pro 32GB V30 A1 microSDXC
  - f) Kingston Canvas Go!Plus 64GB V30 A2 microSDXC
  - g) Kingston Canvas Go!Plus 128GB V30 A2 microSDXC
  - h) Kingston Canvas Go!Plus 256GB V30 A2 microSDXC
  - i) Kingston Canvas React Plus 64GB V30 A1 microSDXC
  - j) Kingston Canvas React Plus 128GB V30 A1 microSDXC
  - k) Samsung PRO Plus 256GB V30 A2 microSDXC

**Remote Controller**

- Max Operating Time
  - a) Remote Controller
  - b) Without Charging Any Mobile Device: 6 Hours
  - c) When Charging A Mobile Device: 4 Hours
- Max Supported Mobile Device Size : Remote Controller 180×86×10 mm (L×W×H)
- Operating Temperature : Remote Controller -10° to 40° C (14° to 104° F)
- Transmission Power (EIRP) : Remote Controller
  - a) 2.400-2.4835 GHz:
    - < 26 dBm (FCC)
    - < 20 dBm (CE/SRRC/MIC)
  - a) 5.725-5.850 GHz:
    - < 26 dBm (FCC)
    - < 23 dBm (SRRC)
    - < 14 dBm (CE)

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