Specs

Aircraft

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 Measured by DJI Air 3 flying at a constant speed of 28.8 kph in a windless environment at sea level, with APAS off, AirSense off, camera parame 1080p/24fps, video mode off, and from 100% battery level until 0%. Data is for reference only. Always pay attention to reminders in the app d
Max Hovering Time	42 minutes Measured by DJI Air 3 hovering in a windless environment at sea level, with APAS off, AirSense off, camera parameters set to 1080p/24fps, vid from 100% battery level until 0%. Data is for reference only. Always pay attention to reminders in the app during your flight.
Max Flight Distance	32 km
Max Wind Speed Resistance	12 m/s
Max Pitch Angle	35°
Operating Temperature	-10° to 40° C (14° to 104° F)
Global Navigation Satellite System	GPS + Galileo + BeiDou
Hovering Accuracy Range	Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning) Horizontal: ±0.3 m (with vision positioning) ±0.5 m (with high-precision positioning system)
Internal Storage	8 GB

Camera

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) 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
Still Photography Modes	Wide-Angle Camera Single Shot: 12 MP and 48 MP Burst Shooting: 12 MP, 3/5/7 frames; 48 MP, 3/5 frames Automatic Exposure Bracketing (AEB): 12 MP, 3/5 frames; 48 MP, 3/5 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, 3/5 frames Automatic Exposure Bracketing (AEB): 12 MP, 3/5 frames; 48 MP, 3/5 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
Photo Format	JPEG/DNG (RAW)
Video Resolution	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 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 * Recording frame rates. The corresponding video plays as slow-motion video. 4K/100fps only supports H.265.
Video Format	MP4 (MPEG-4 AVC/H.264, HEVC/H.265)
Max Video Bitrate	H.264/H.265: 150 Mbps
Supported File System	exFAT
Color Mode and Sampling Method	Wide-Angle Camera Normal: 8-bit 4:2:0 (H.264/H.265) HLG/D-Log M: 10-bit 4:2:0 (H.265) Medium Tele Camera Normal: 8-bit 4:2:0 (H.264/H.265) HLG/D-Log M: 10-bit 4:2:0 (H.265)
Digital Zoom	Wide-Angle Camera: 1-3x Medium Tele Camera: 3-9x

Gimbal

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

Sensing

Sensing Type	Omnidirectional binocular vision system, supplemented with an infrared sensor at the bottom of the airc
Forward	Measurement Range: 0.5-18 m Detection Range: 0.5-200 m Effective Sensing Speed: Flight Speed ≤ 15 m/s FOV: Horizontal 90°, Vertical 72°
Backward	Measurement Range: 0.5-18 m Effective Sensing Speed: Flight Speed ≤ 14 m/s FOV: Horizontal 90°, Vertical 72°
Lateral	Measurement Range: 0.5-30 m Effective Sensing Speed: Flight Speed ≤ 14 m/s FOV: Horizontal 90°, Vertical 72°
Upward	Measurement Range: 0.5-18 m Effective Sensing Speed: Flight Speed ≤ 6 m/s FOV: Front and Back 72°, Left and Right 90°
Downward	Measurement Range: 0.3-14 m Effective Sensing Speed: Flight Speed ≤ 6 m/s FOV: Front and Back 106°, Left and Right 90°

Operating Environment	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 lighti
3D Infrared Sensor	Measurement Range: 0.1-8 m (reflectivity > 10%) FOV: Front and Back 60°, Left and Right 60°

Video Transmission

Video Transmission System	O4
Live View Quality	Remote Controller: 1080p/30fps, 1080p/60fps
Operating Frequency	2.4000-2.4835 GHz 5.170-5.250 GHz 5.725-5.850 GHz 5.170-5.250 GHz can be used only in countries and regions where permitted by local laws and regulations.
Transmitter 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) < 30 dBm (SRRC) < 14 dBm (CE)
Max Transmission Distance (unobstructed, free of interference)	FCC: 20 km CE: 10 km SRRC: 10 km MIC: 10 km Measured in an unobstructed outdoor environment free of interference. The above data shows the farthest communication range for one-w flights under each standard. Always pay attention to RTH reminders in the app during your flight.
Max Transmission Distance (unobstructed, with interference)	Strong Interference: urban landscape, approx. 1.5-4 km Medium Interference: suburban landscape, approx. 4-10 km Low Interference: suburb/seaside, approx. 10-20 km Data tested under FCC standard in unobstructed environments with typical interference. Used for reference purposes only and provides no g actual transmission distance.
Max Transmission Distance (obstructed, with interference)	Low Interference and Obstructed by Buildings: approx. 0-0.5 km Low Interference and Obstructed by Trees: approx. 0.5-3 km Data tested under FCC standard in obstructed environments with typical low interference. Used for reference purposes only and provides no actual transmission distance.
Max Download Speed	O4: 10 MB/s (with DJI RC-N2 Remote Controller) 10 MB/s (with DJI RC 2) Wi-Fi 5: 30 MB/s* * Measured in a laboratory environment with little interference in countries/regions that support both 2.4 GHz and 5.8 GHz. Download speed depending on the actual conditions.

Lowest Latency	Aircraft + Remote Controller: approx. 120 ms Depending on the actual environment and mobile device.
Antenna	6 antennas, 2T4R

Wi-Fi

Protocol	802.11 a/b/g/n/ac
Operating Frequency	2.400-2.4835 GHz 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4 GHz: < 20 dBm (FCC/CE/SRRC/MIC) 5.8 GHz: < 20 dBm (FCC/SRRC) < 14 dBm (CE)

Bluetooth

Protocol	Bluetooth 5.2
Operating Frequency	2.400-2.4835 GHz
Transmitter Power (EIRP)	< 10 dBm

Battery

Capacity	4241 mAh
Weight	Approx. 267 g
Nominal Voltage	14.76 V
Max Charging Voltage	17 V
Type	Li-ion 4S
Energy	62.6 Wh
Charging Temperature	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)

Charger

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) When both ports are used, the max output power of one port is 82 W, and the charger will dynamically allocate the output power of the two p the power load.
Rated Power	DJI 65W Portable Charger: 65 W DJI 100W USB-C Power Adapter: 100 W

Battery Charging Hub

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

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)

Storage

Recommended microSD Cards	SanDisk Extreme PRO 32GB V30 U3 A1 microSDHC Lexar 1066x 64GB V30 U3 A2 microSDXC Lexar 1066x 128GB V30 U3 A2 microSDXC Lexar 1066x 256GB V30 U3 A2 microSDXC Lexar 1066x 512GB V30 U3 A2 microSDXC Kingston Canvas GO! Plus 64GB V30 U3 A2 microSDXC Kingston Canvas GO! Plus 128GB V30 U3 A2 microSDXC Kingston Canvas React Plus 64GB V90 U3 A1 microSDXC Kingston Canvas React Plus 128GB V90 U3 A1 microSDXC Kingston Canvas React Plus 256GB V90 U3 A1 microSDXC Samsung EVO Plus 512GB V30 U3 A2 microSDXC

DJI RC-N2 Remote Controller

Model	RC151
Max Operating Time	Without charging any mobile device: 6 hours When charging a mobile device: 3.5 hours
Max Supported Mobile Device Size	180×86×10 mm (L×W×H)
Operating Temperature	-10° to 40° C (14° to 104° F)
Charging Temperature	5° to 40° C (41° to 104° F)
Charging Time	2.5 hours
Charging Type	It is recommended to use a 5V/2A charger.
Battery Capacity	18.72 Wh (3.6 V, 2600 mAh × 2)
Type	18650 Li-ion
Dimensions	104.22×149.95×45.25 mm (L×W×H)
Weight	375 g
Supported Mobile Device Port Type	Lightning, USB-C, Micro-USB Using a mobile device with Micro-USB port requires the DJI RC-N1 RC Cable (Standard Micro USB connector), which is sold separately.
Video Transmission Operating Frequency	2.4000-2.4835 GHz 5.170-5.250 GHz 5.725-5.850 GHz
Video Transmission Transmitter 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)

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