

Specs

Aircraft

Takeoff Weight	Approx. 135 g
Dimensions	130×157×48.5 mm (L×W×H)
Max Ascent Speed	0.5 m/s (Cine mode) 2 m/s (Normal mode) 3 m/s (Sport mode)
Max Descent Speed	0.5 m/s (Cine mode) 2 m/s (Normal mode) 2 m/s (Sport mode)
Max Horizontal Speed (near sea level, no wind)	6 m/s (Normal mode) 8 m/s (Sport mode) 16 m/s (Manual mode)
Max Takeoff Altitude	2000 m Measured in a windless environment when taking off from an altitude of 2000 m and ascending vertically by 120 m, using Sport mode, and from 100% battery level until 20%. Data is for reference only. Always pay attention to reminders on the camera view during your flight.
Max Flight Time	Approx. 18 mins (approx. 17 mins with the Propeller Guards)* Each battery allows the drone to perform at least 20 palm takeoff and landing for shoots in succession** * Measured when flying forward at a speed of 2 m/s in a windless environment 20 m above sea level, with camera parameters set to 1080p/30fps, video mode off, and from 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version. ** Measured after DJI Neo is activated, with a fully charged battery and default settings, and using Circle, Rocket, and Dronie modes, and is for reference only.
Max Hovering Time	Approx. 18 mins (approx. 17 mins with the Propeller Guards) Measured when hovering in a windless environment 20 m above sea level, with camera parameters set to 1080p/30fps, video mode off, and from 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version.
Max Flight Distance	7 km Measured when flying forward at a speed of 8 m/s in a windless environment 20 m above sea level, with camera parameters set to 1080p/30fps, video mode off, and from 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version.
Max Wind Speed Resistance	8 m/s (Level 4)
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) ±1.5 m (with GNSS positioning)
Internal Storage	22 GB

Camera

Image Sensor	1/2-inch image sensor
Lens	FOV: 117.6° Format Equivalent: 14 mm Aperture: f/2.8 Focus: 0.6 m to ∞
ISO Range	100-6400 (Auto) 100-6400 (Manual)
Shutter Speed	Video: 1/8000-1/30 s Photo: 1/8000-1/10 s
Max Image Size	12 MP Photo 4000×3000 (4 : 3) 4000×2256 (16 : 9)
Still Photography Modes	Single/Timed Shot
Photo Format	JPEG
Video Resolution	EIS Off: 4K (4:3): 3840×2880@30fps 1080p (4:3): 1440×1080@60/50/30fps EIS On: 4K (16:9): 3840×2160@30fps 1080p (16:9): 1920×1080@60/50/30fps
Video Format	MP4
Max Video Bitrate	75Mbps
Supported File System	exFAT
Color Mode	Normal
EIS	Supports RockSteady, HorizonBalancing, and turning stabilization off.* * When using a 16:9 aspect ratio, only RockSteady or HorizonBalancing can be enabled. Stabilization is not available in 4:3 aspect ratio. When stabilization is turned off, footage captured supports offline stabilization with Gyroflow.

Gimbal

Stabilization	Single-axis mechanical gimbal (tilt)
Mechanical Range	Tilt: -120° to 120°
Controllable Range	Tilt: -90° to 60°
Max Control Speed (tilt)	100°/s
Angular Vibration Range	±0.01°
Image Roll Correction	Supports correction of footage recorded on the drone Live view correction is unavailable only when using with goggles

Sensing

Sensing Type	Downward visual positioning
Downward	Precise Hovering Range: 0.5-10 m
Operating Environment	Downward: Non-reflective, discernible surfaces with diffuse reflectivity of >20% (such as walls, trees, or people) Adequate lighting (lux > 15, normal indoor lighting conditions)

Video Transmission

Video Transmission System	O4
Live View Quality	With DJI RC-N3 Remote Controller: Up to 1080p/30fps With DJI Goggles 3 plus DJI RC Motion 3/DJI FPV Remote Controller 3: Up to 1080p/60fps
Operating Frequency	2.400-2.4835 GHz 5.170-5.250 GHz 5.725-5.850 GHz Operating frequency allowed varies among countries and regions. Please refer to local laws and regulations for more information.
Transmitter Power (EIRP)	2.4 GHz: < 26 dBm (FCC) < 20 dBm (CE/SRRC/MIC) 5.1 GHz: < 23 dBm (CE) 5.8 GHz: < 26 dBm (FCC) < 14 dBm (CE) < 26 dBm (SRRC)
Communication Bandwidth	Max 40 MHz
Max Transmission Distance (unobstructed, free of interference)	FCC: 10 km CE: 6 km SRRC: 6 km MIC: 6 km The data was measured in an unobstructed outdoor environment free of interference and showed the farthest communication range for one-way, non-return flights under each standard. The maximum video transmission distance in the actual flight scenarios is limited by the drone's maximum flight distance. Always pay attention to RTH reminders on the live view during your flight.
Max Transmission Distance (unobstructed, with interference)	Strong Interference (urban landscape): Approx. 1.5-3 km Medium Interference (suburban landscape): Approx. 3-6 km Low Interference (suburb/seaside): Approx. 6-10 km 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 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 environments with typical low interference. Used for reference purposes only and provides no guarantee for actual transmission distance.
Max Download Speed	Wi-Fi: 25 MB/s Measured in a laboratory environment with little interference in countries/regions that support both 2.4 GHz and 5.8 GHz. Download speeds may vary depending on the actual conditions.

Lowest Latency

With DJI RC-N3 Remote Controller: Approx. 120 ms

Depending on the actual environment and mobile device.

Max Video Bitrate

50Mbps

Antennas

Two antennas, 1T2R

Wi-Fi:

Protocol

802.11a/b/g/n/ac

Operating Frequency

2.400-2.4835 GHz
5.725-5.850 GHz

Operating frequency allowed varies among countries and regions. Please refer to local laws and regulations for more information.

Transmitter Power (EIRP)

2.4 GHz:
< 20 dBm (FCC/CE/SRRC/MIC)

5.8 GHz:
< 20 dBm (FCC/SRRC)
< 14 dBm (CE)

Effective Operating Range

50 m

Tested in an outdoor open environment free of interference. The video transmission distance varies by operating environment.

Bluetooth

Protocol

Bluetooth 5.1

Operating Frequency

2.400-2.4835 GHz

Operating frequency allowed varies among countries and regions. Please refer to local laws and regulations for more information.

Transmitter Power (EIRP)

< 10 dBm

Battery

Capacity

1435 mAh

Weight

Approx. 45 g

Nominal Voltage

7.3 V

Max Charging Voltage

8.6 V

Type

Li-ion

Energy

10.5 Wh

Charging Temperature

5° to 40° C (41° to 104° F)

Charging Time

When Using the Two-Way Charging Hub (60W max charging power): Approx. 60 minutes to charge three batteries simultaneously from 0% to 100%
When Directly Charging the Aircraft Body (15W max charging power): Approx. 50 minutes to charge from 0% to 100%

Charger

Recommended Charger

DJI 65W Portable Charger
USB Power Delivery charger

Battery Charging Hub

Input
5 V, 3 A
9 V, 3 A
12 V, 3 A
15 V, 3 A
20 V, 3 A

Output (charging) 5 V, 2 A

Charging Type 3 batteries charged simultaneously

The number of batteries that can be charged simultaneously depends on the power of the charger used. Using a charger of more than 45 W allows for charging three batteries at once while using a charger of less than 45 W can only charge two batteries simultaneously. Refer to the charging protocols supported by the charger.

Compatibility DJI Neo Intelligent Flight Battery

Storage

Recommended microSD Cards Does not support storage expansion with an external SD card

DJI RC-N3 Remote Controller

Max Operating Time
Without Charging Any Mobile Device: 3.5 hours
When Charging a Mobile Device: 1.5 hours

Operating Temperature -10° to 40° C (14° to 104° F)

Charging Temperature 5° to 40° C (41° to 104° F)

Charging Time 2 hours

Charging Type 5 V, 2 A

Battery Capacity 2600 mAh

Weight Approx. 320 g

Dimensions 104.2×150×45.2 mm (L×W×H)

Operating Frequency
2.400-2.4835 GHz
5.170-5.250 GHz
5.725-5.850 GHz

Operating frequency allowed varies among countries and regions. Please refer to local laws and regulations for more information.

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)