

DJI Neo

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 Neo to perform at least 20 palm takeoff and landing for shoots in succession**

	<p>* 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.</p> <p>** Measured after DJI Neo is activated, with a fully charged battery and default settings, and using Circle, Rocket, and Expanse modes, and is for reference only.</p>
Max Hovering Time	<p>Approx. 18 mins (approx. 17 mins with the Propeller Guards)</p> <p>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.</p>
Max Flight Distance	<p>7 km</p> <p>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.</p>
Max Wind Speed Resistance	8 m/s (Level 4)
Operating Temperature	-10° to 40° C (14° to 104° F)
Class	C0 (EU)

Camera

Image Sensor	1/2-inch image sensor
Lens	<p>FOV: 117.6°</p> <p>Format Equivalent: 14 mm</p> <p>Aperture: f/2.8</p> <p>Focus: 0.6 m to ∞</p>

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 Vertical Shooting 1080p (9:16) 1080×1920@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.
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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 Neo Live view correction is unavailable only when used with additional accessories.

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)
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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 (14° 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 Neo (15W max charging power): Approx. 50 minutes to charge from 0% to 100%
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Charger

Recommended Charger	DJI 65W Portable Charger USB Power Delivery charger
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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
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