DJI Avata 2

Immersive Flight Experience | Intuitive Motion Control | Easy ACRO | Tight Shots in Super-Wide 4K | Built-In Propeller Guard | Hassle-Free POV Content

Aircraft

Takeoff Weight	Approx. 377 g
Dimensions	185×212×64 mm (L×W×H)
Max Ascent Speed	6 m/s (Normal mode) 9 m/s (Sport mode)
Max Descent Speed	6 m/s (Normal mode) 9 m/s (Sport mode)
Max Horizontal Speed (near sea level, no wind)	8 m/s (Normal mode) 16 m/s (Sport mode) 27 m/s (Manual mode)* * No faster than 19 m/s with the Manual mode in the EU regions.
Max Takeoff Altitude	5000 m Measured in a windless environment when taking off from an altitude of 5000 m and ascending vertically by 500 m, using Sport mode, and from 100% battery level until 20%. Data is for reference only. Always pay attention to reminders on the goggles' screens during your flight.

Max Flight Time	Approx. 23 minutes Measured when flying forward at a speed of 21.6 kph in a windless environment at sea level, with camera parameters set to 1080p/30fps, video mode off, and from 100% battery level until 0%. Data is for reference only. Always pay attention to reminders on the goggles' screens during your flight.
Max Hovering Time	Approx. 21 minutes Measured when hovering in a windless environment at sea level, with camera parameters set to 1080p/30fps, video mode off, and from 100% battery level until 0%. Data is for reference only. Always pay attention to reminders on the goggles' screens during your flight.
Max Flight Distance	13.0 km Measured when flying forward at a speed of 43.2 kph in a windless environment at sea level, with camera parameters set to 1080p/30fps, video mode off, and from 100% battery level until 0%. Data is for reference only. Always pay attention to reminders on the goggles' screens during your flight.
Max Wind Speed Resistance	10.7 m/s (Level 5)
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	46 GB
Class	C1 (EU)

Camera

Image Sensor	1/1.3-inch image sensor Effective Pixels: 12 MP
Lens	FOV: 155° Format Equivalent: 12 mm Aperture: f/2.8 Focus: 0.6 m to ∞
ISO Range	100-25600 (Auto) 100-25600 (Manual)
Shutter Speed	Video: 1/8000-1/30 s Photo: 1/8000-1/50 s
Max Image Size	4000×2256 (16∶9) 4000×3000 (4∶3)
Still Photography Mode	Single Shot
Photo Format	JPEG
Video Resolution	4K (4∶3): 3840×2880@30/50/60fps 4K (16∶9): 3840×2160@30/50/60/100fps 2.7K (4∶3): 2688×2016@30/50/60fps 2.7K (16∶9): 2688×1512@30/50/120fps 1080p (4∶3): 1440×1080@30/50/120fps 1080p (16∶9): 1920×1080@30/50/120fps

Video Format	MP4 (H.264/H.265)
Max Video Bitrate	130 Mbps
Supported File System	exFAT
Color Mode	Standard D-Log M
Camera FOV	Supports normal mode, wide-angle mode, and ultra-wide-angle mode.
EIS	Supports RockSteady 3.0+ and HorizonSteady Can be disabled* * When stabilization is turned off, footage captured with the wide-angle view supports offline stabilization Gyroflow.

Gimbal

Stabilization	Single-axis mechanical gimbal (tilt)
Mechanical Range	Tilt: -95° to 90°
Controllable Range	Tilt: -85° to 80°
Max Control Speed (tilt)	100°/s
Angular Vibration Range	±0.01°
Electronic Roll Axis	Real-time screen correction is unavailable during recording, but can be applied to the footage recorded on the drone.

Sensing

Sensing Type	Downward and backward visual positioning
Downward	ToF Effective Measurement Height: 10 m Precise Hovering Range: 0.3-10 m Measurement Range: 0.3-20 m FOV: Horizontal 78°, Vertical 78°
Backward	Measurement Range: 0.5-20 m FOV: Horizontal 78°, Vertical 78°
Operating Environment	Diffuse reflective surfaces with discernible patterns, diffuse reflectivity > 20% (such as concrete pavement) Adequate lighting (lux > 15, normal indoor lighting conditions)

Video Transmission

Video Transmission System	O4
Live View Quality	1080p@30/50/60/100fps
Operating Frequency	2.400-2.4835 GHz 5.170-5.250 GHz* 5.725-5.850 GHz*

	* 5.170-5.250 GHz and 5.725-5.850 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)
Communication Bandwidth	Max 60 MHz
Max Transmission Distance (unobstructed, free of interference)	FCC: 13 km (subject to the aircraft's max flight distance) 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-way, non-return flights under each standard. Always pay attention to RTH reminders on the goggles screen 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. 10-13 km

	Data tested under FCC standard in unobstructed environments with typical interference. Used for reference purposes only and provides no guarantee for 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 environments with typical low interference. Used for reference purposes only and provides no guarantee for actual transmission distance.
Max Download Speed	Wi-Fi: 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 speeds may vary depending on the actual conditions.
Lowest Latency	With DJI Goggles 3: 1080p/100fps Video Transmission Quality: 24 ms 1080p/60fps Video Transmission Quality: 40 ms
Max Video Bitrate	60Mbps
Antennas	4 antennas, 2T4R

Wi-Fi

Protocol	802.11a/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 5.0
Operating Frequency	2.400-2.4835 GHz
Transmitter Power (EIRP)	<10 dBm

Intelligent Flight Battery

Capacity	2150 mAh
Weight	Approx. 145 g
Standard Voltage	14.76 V
Max Charging Voltage	17 V
Battery Type	Li-ion

Energy	31.7 Wh@0.5C
Charging Temperature	5° to 40° C (41° to 104° F)
Charging Time	With Charging Hub (60W max charging power): From 0 to 100%: approx. 45 min From 10 to 90%: approx. 30 min Directly Charging the Drone (30 W max charging power): From 0 to 100%: approx. 88 min From 10 to 90%: approx. 60 min

Charger

Recommended Charger	DJI 65W Portable Charger DJI 65W Car Charger USB Power Delivery charger

Battery Charging Hub

Input	5-20 V, max 3 A
Output (power accumulation)	Max 65 W
Output (charging)	Max 17 V

Output (USB)	5 V, 2 A
Charging Type	Three batteries charged in sequence.
Compatibility	DJI Avata 2 Intelligent Flight Battery

Storage

Recommended microSD Cards	Kingston CANVAS Go! Plus 64GB U3 A2 V30 microSDXC Kingston CANVAS Go! Plus 128GB U3 A2 V30 microSDXC Kingston CANVAS Go! Plus 256GB U3 A2 V30 microSDXC Kingston CANVAS Go! Plus 512GB U3 A2 V30 microSDXC Lexar Professional 1066x 64GB U3 A2 V30 microSDXC Lexar Professional 1066x 128GB U3 A2 V30 microSDXC Lexar Professional 1066x 256GB U3 A2 V30 microSDXC Lexar Professional 1066x 512GB U3 A2 V30 microSDXC

DJI FPV Remote Controller 3

Max Operating Time	Approx. 10 hours
Operating Temperature	-10° to 40° C (14° to 104° F)
Charging Temperature	0° to 50° C (32° to 122° F)
Charging Time	2 hours

Charging Type	5 V, 2 A
Battery Capacity	2600 mAh
Weight	Approx. 240g
Dimensions	165×119×62 mm (L×W×H)
Operating Frequency	2.400-2.4835 GHz
Transmitter Power (EIRP)	2.400 GHz: ＜26 dBm (FCC) ＜20 dBm (CE/SRRC/MIC)

Others

Guaranteed software updates until	2026/12/31