

Technical Specifications

Aircraft	Takeoff Weight	Approx. 455 g
Aircraft	Dimensions	246×199×55.5 mm (L×W×H)
Aircraft	Max Ascent Speed	2 m/s (Cine mode) 6 m/s (Normal mode) 10 m/s (Sport mode)
Aircraft	Max Descent Speed	1.5 m/s (Cine mode) 6 m/s (Normal mode) 10 m/s (Sport mode)
Aircraft	Max Horizontal Speed	At sea level, in windless conditions: 6 m/s (Cine mode) 16 m/s* (Normal mode) 18 m/s (Sport mode) Measured in a controlled wind tunnel environment under conditions equivalent to windless operation and sea-level altitude, with the aircraft ascending vertically to a height of 1.5 meters above the ground. Actual experience may vary depending on the environment, usage, and firmware version. <i>* Up to 12 m/s in Normal mode by default, adjustable to 16 m/s in settings.</i>
Aircraft	Max Takeoff Altitude	4500 m Measured in a windless environment when taking off from an altitude of 4500 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 camera view during your flight.
Aircraft	Max Flight Time	Approx. 23 mins Measured in a controlled wind tunnel environment under conditions equivalent to windless operation and sea-level altitude, with the aircraft flying forward at a constant speed of 21.6 kph, Obstacle Avoidance Action set to Brake, and the camera in Photo mode, until a forced landing due to battery depletion. Actual experience may vary depending on the environment, usage, and firmware version.
Aircraft	Max Hovering Time	Approx. 22 mins Measured when hovering in a windless environment at sea level, and the camera in photo mode, until a forced landing due to battery depletion. Data is for reference only. Actual experience may vary depending on the environment, usage, and firmware version.

Aircraft	Max Flight Distance	13.5 km Measured in a controlled wind tunnel environment under conditions equivalent to windless operation and sea-level altitude, with the aircraft flying forward at a constant speed of 39.6 kph, Obstacle Avoidance Action set to Brake, and the camera in Photo mode, until a forced landing due to battery depletion. Actual experience may vary depending on the environment, usage, and firmware version.
Aircraft	Max Wind Speed Resistance	10.7 m/s (Level 5)
Aircraft	Max Pitch Angle	48°
Aircraft	Operating Temperature	-10° to 40° C (14° to 104° F)
Aircraft	Global Navigation Satellite System	GPS + Galileo + BeiDou
Aircraft	Hovering Accuracy Range	Vertical: ±0.1 m (with vision positioning) ±0.5 m (with satellite positioning) ±0.3 m/3 mins (with ETK positioning) Horizontal: ±0.3 m (with vision positioning) ±1.5 m (with satellite positioning) ±0.3 m/3 mins (with ETK positioning)
Aircraft	Internal Storage	42 GB
Aircraft	Class	C1 (EU)
Camera	Image Sensor	Two 1/1.1-Inch Square CMOS Sensors Effective Pixels per Sensor: 64MP
Camera	Lens	FOV: 200° Format Equivalent: 7.8 mm Focal Length: 2.5 mm Aperture: f/1.9 Focus mode: FF Focus: 1.5 m to ∞
Camera	ISO Range	360° Video: 8K@60/50/48fps: 100-12800 (Normal/D-Log M) 8K@30/25/24fps: 100-25600 (Normal), 100-12800 (D-Log M) 6K@60/50/48/30/25/24fps: 100-25600 (Normal), 100-12800 (D-Log M) 360° Photo: 100-6400 Single-Lens Video: 100-12800

Camera	Shutter Speed	Video: 1/8000-1/25 s Photo: 1/8000-1/30 s
Camera	Still Photography Mode	Single Shot: In 360° mode, the resolution is 30 MP* or 120 MP**. * For 30MP/8K 360° photos, the resolution is 7776×3888 (30 MP) in JPEG and 7680×3840 (29.49 MP) in DNG. ** For 120MP/16K 360° photos, the resolution is 15520×7760 (120 MP) in JPEG and 15360×7680 (118 MP) in DNG.
Camera	Max Image Size	360° Photo: 15520×7760
Camera	Photo Format	JPEG/DNG
Camera	Video Resolution	360° Mode: 8K (2:1): 7680×3840@60/50/48/30/25/24fps 6K (2:1): 6000×3000@60/50/48/30/25/24fps Single Lens Mode: 4K (4:3)*: 3840×2880@60/50/48/30/25/24fps 4K (16:9): 3840×2160@60/50/48/30/25/24fps 2.7K (4:3)*: 2688×2016@120/100/60/50/48/30/25/24fps 2.7K (16:9): 2688×1512@120/100/60/50/48/30/25/24fps *Only supported when using DJI Goggles 3/N3 paired with DJI RC Motion 3 or DJI FPV Remote Controller 3.
Camera	Video Format	OSV/MP4 (H.265)
Camera	Max Video Bitrate	180 Mbps
Camera	Color Mode	Normal D-Log M
Camera	EIS	Single Lens Mode: With RC 2/RC-N2/RC-N3: Supports only RockSteady With Goggles 3/N3 paired with RC Motion 3 or FPV Remote Controller 3: Supports a switch between RockSteady and HorizonBalancing
Camera	Camera FOV	Single Lens Mode: With RC 2/RC-N2/RC-N3: Natural Wide With Goggles 3/N3 paired with RC Motion 3 or FPV Remote Controller 3: Standard (Dewarp)/Wide/Natural Wide
Camera	Supported File System	exFAT
Gimbal	Stabilization	Single-Axis Mechanical Gimbal (tilt) 360° Virtual Gimbal

Gimbal	Controllable Range	Single-Axis Mechanical Gimbal: Tilt (With RC 2/RC-N2/RC-N3): -30° to 60° Tilt (With Goggles 3/N3 paired with RC Motion 3 or FPV Remote Controller 3): -60° to 60° 360° Virtual Gimbal: Tilt: -180° to 180° Roll: -180° to 180°
Gimbal	Max Control Speed	Single-Axis Mechanical Gimbal: Tilt: 100°/s 360° Virtual Gimbal: Tilt: 100°/s Roll: 100°/s
Gimbal	Angular Vibration Range	Single-Axis Mechanical Gimbal: ±0.01°
Sensing	Sensing Type	Omnidirectional vision system, supplemented with forward-facing LiDAR and an infrared sensor at the bottom of the aircraft
Sensing	Forward	Measurement Range: 0.5-20 m FOV: Horizontal 90°, Vertical 90°
Sensing	Backward	Measurement Range: 0.5-18 m
Sensing	Lateral	Measurement Range: 0.5-18 m
Sensing	Upward	Measurement Range: 0.5-18 m
Sensing	Downward	3D ToF Effective Measurement Height: 10 m Precise Hovering Range: 0.3-10 m 3D ToF FOV: Horizontal 60°, Vertical 60° Measurement Range: 0.5-20 m FOV: Horizontal 90°, Vertical 90°
Sensing	Operating Environment	Diffuse reflective surfaces with discernible patterns, diffuse reflectivity > 20% (such as concrete pavement) Adequate lighting (lux > 1, normal indoor lighting conditions)
Video Transmission	Video Transmission System	O4+
Video Transmission	Live View Quality	Single Lens Mode: 1080p@100*/60/50/48/30/25/24fps 360° Mode: 1080p@60/50/48/30/25/24fps <i>* In Single Lens Mode, 1080p/100fps is supported only when the aircraft is used with Goggles 3/N3 and RC Motion 3.</i>

Video Transmission	Operating Frequency	2.400-2.4835 GHz 5.170-5.250 GHz* 5.725-5.850 GHz <i>* 5.170-5.250 GHz can be used only in countries and regions where permitted by local laws and regulations.</i>
Video Transmission	Transmitter Power (EIRP)	2.400-2.4835 GHz: < 33 dBm (FCC) < 20 dBm (CE/SRRC/MIC) 5.170-5.250 GHz: < 23 dBm (CE) 5.725-5.850 GHz: < 33 dBm (FCC) < 30 dBm (SRRC) < 14 dBm (CE)
Video Transmission	Communication Bandwidth	Max 40 MHz
Video Transmission	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-way, non-return flights under each standard. Always pay attention to RTH reminders on the camera view during your flight.
Video Transmission	Max Transmission Distance (unobstructed, with interference)	Strong Interference: Urban landscape, approx. 1.5-5 km Medium Interference: Suburban landscape, approx. 5-12 km Low Interference: Suburb/seaside, approx. 12-20 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.
Video Transmission	Max Transmission Distance (obstructed, with interference)	Low Interference and Obstructed by Buildings: Approx. 0-0.7 km Low Interference and Obstructed by Trees: Approx. 0.7-4.5 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.
Video Transmission	Lowest Latency	With RC 2/RC-N2/RC-N3: 1080p/60fps Video Transmission Quality: Approx. 130 ms* <i>* Actual experience may vary depending on the environment, usage, and firmware version.</i>
Video Transmission	Max Video Bitrate	60 Mbps

Video Transmission	Max Download Speed	O4+: 10 MB/s Wi-Fi 6: 100 MB/s* <i>* Measured in a laboratory environment with little interference in countries/regions that support both 2.4 GHz and 5.8 GHz, and when internal storage or a high-speed microSD card is used. Download speeds may vary depending on the actual conditions.</i>
Video Transmission	Antennas	4 antennas, 2T4R
Intelligent Flight Battery	Capacity	≥ 2700 mAh
Intelligent Flight Battery	Weight	Approx. 149 g
Intelligent Flight Battery	Nominal Voltage	14.32 V
Intelligent Flight Battery	Max Charging Voltage	17.2 V
Intelligent Flight Battery	Battery Type	Li-ion
Intelligent Flight Battery	Energy	≥ 38.67 Wh
Intelligent Flight Battery	Discharge Rate	7C (typical)
Intelligent Flight Battery	Charging Temperature	5° to 40° C (41° to 104° F)
Intelligent Flight Battery	Charging Time	With Charging Hub (100W max charging power): One Battery, From 0 to 100%: Approx. 47 min One Battery, From 10 to 90%: Approx. 31 min Three Batteries, From 0 to 100%: Approx. 100 min Three Batteries, From 10 to 90%: Approx. 70 min Directly Charging the Drone (65W max charging power): One Battery, From 0 to 100%: Approx. 73 min One Battery, From 10 to 90%: Approx. 51 min Data tested under laboratory conditions at 25° C (77° F) and can be used for reference only. Actual charging time may increase due to higher ambient temperatures or variations in mains voltage between regions.
Charger	Recommended Charger	Supports DJI 65W Portable Charger and DJI 100W USB-C Power Adapter With Charging Hub: DJI 100W USB-C Power Adapter is recommended.
Battery Charging Hub	Input	5-20 V, max 5 A
Battery Charging Hub	Output (power accumulation)	Max 60 W

Battery Charging Hub	Output (charging)	Max 17.2 V
Battery Charging Hub	Output (USB)	30 W
Battery Charging Hub	Charging Type	Supports Charging up to Three batteries Simultaneously Parallel charging requires the DJI 65W Portable Charger or DJI 100W USB-C Power Adapter. With an input of 65 W or higher, the hub supports parallel charging. Otherwise, it charges sequentially, prioritizing the highest battery level.
Battery Charging Hub	Compatibility	DJI Avata 360 Intelligent Flight Battery
Storage	Recommended microSD Cards	Lexar SILVER PLUS 64GB A2 V30 microSDXC Lexar SILVER PLUS 128GB A2 V30 microSDXC Lexar SILVER PLUS 256GB A2 V30 microSDXC Lexar SILVER PLUS 512GB A2 V30 microSDXC Lexar SILVER PLUS 1TB A2 V30 microSDXC Kingston CANVAS GO! Plus 64GB A2 V30 microSDXC Kingston CANVAS GO! Plus 128GB A2 V30 microSDXC Kingston CANVAS GO! Plus 256GB A2 V30 microSDXC Kingston CANVAS GO! Plus 512GB A2 V30 microSDXC Using Lexar SILVER PLUS series microSD cards may deliver a better photography experience.
Wi-Fi	Protocol	802.11 a/b/g/n/ac/ax
Wi-Fi	Operating Frequency	2.400-2.4835 GHz 5.725-5.850 GHz
Wi-Fi	Transmitter Power (EIRP)	2.4000-2.4835 GHz: < 20 dBm (FCC/CE/SRRC/MIC) 5.725-5.850 GHz: < 26 dBm (FCC/SRRC) <14 dBm (CE)
Bluetooth	Protocol	Bluetooth 5.4
Bluetooth	Operating Frequency	2.4000-2.4835 GHz
Bluetooth	Transmitter Power (EIRP)	< 10 dBm