

Specs

DJI Air 2S

Aircraft

Takeoff Weight	595 g
Dimensions	Folded: 180×97×77 mm (length×width×height) Unfolded: 183×253×77 mm (length×width×height)
Diagonal Length	302 mm
Max Ascent Speed	6 m/s (S Mode) 6 m/s (N Mode)
Max Descent Speed	6 m/s (S Mode) 6 m/s (N Mode)
Max Service Ceiling Above Sea Level	5000 m
Max Flight Time (no wind)	31 minutes
Max Hovering Time (no wind)	30 minutes
Max Flight Distance (no wind)	18.5 km
Max Flight Speed (near sea level, no wind)	19 m/s (S Mode) 15 m/s (N Mode) 5 m/s (C Mode)
Max Wind Speed Resistance	8.5-10.5 m/s
Max Tilt Angle	35° (S Mode) 25° (N Mode; 35° under heavy winds)
Max Angular Velocity	250°/s (S Mode) 90°/s (N Mode)
Operating Temperature Range	0° to 40°C (32° to 104°F) (upward sensors and camera AF will be disabled at -10°C or lower)
Operating Frequency	2.4 GHz 5.8 GHz
Transmission Power (EIRP)	2.4 GHz: FCC: ≤30 dBm CE: ≤20 dBm SRRC: ≤20 dBm MIC: ≤20 dBm

5.8 GHz:
FCC: ≤30 dBm
CE: ≤14 dBm
SRRC: ≤29 dBm

Hovering Accuracy Range	Vertical: ± 0.1 m (with vision positioning) ± 0.5 m (with GPS positioning) Horizontal: ± 0.1 m (with vision positioning) ± 1.5 m (with GPS positioning)
Propellers	Quick release, low noise, folding
Aircraft Arms	Foldable
GNSS	GPS+GLONASS
Compass	Single Compass
IMU	Single IMU
Internal Storage	8 GB

Intelligent Flight Battery

Capacity	3500 mAh
Voltage	11.55 V
Max Charging Voltage	13.2 V
Battery Type	LiPo 3S
Energy	40.42 Wh
Weight	198 g
Charging Temperature Range	5° to 40°C (41° to 104°F)
Max Charging Power	38 W
Built-in Battery	N/A

Camera

Sensor	1" CMOS Effective Pixels: 20 MP; 2.4µm Pixel Size
Lens	FOV: 88° AF, 35 mm Format Equivalent: 22 mm Aperture: f/2.8 Shooting Range: 0.6 m to ∞
ISO Range	Video: 100-3200 (Auto) 100-6400 (Manual)

	10-Bit Dlog-M Video: 100-800 (Auto) 100-1600 (Manual) Photo: 100-3200 (Auto) 100-12800 (Manual)
Still Image Size	20 MP 5472×3648 (3:2) 5472×3078 (16:9)
Still Photography Modes	Single shot: 20 MP Burst shooting: 20 MP (continuous burst) Auto Exposure Bracketing (AEB): 20 MP, 3/5 bracketed frames at 0.7 EV bias Timed: 20 MP, 2/3/5/7/10/15/20/30/60s SmartPhoto (including HDR and HyperLight): 20 MP HDR Panorama: Vertical (3×1): 3328×8000 (width×height) Wide-angle (3×3): 8000×6144 (width×height) 180° (3×7): 8192×3500 (width×height) Sphere (3×8+1): 8192×4096 (width×height) JPEG/DNG (RAW)
Video Resolution	5.4K: 5472×3078 @ 24/25/30 fps 4K Ultra HD: 3840×2160 @ 24/25/30/48/50/60 fps 2.7K: 2688×1512 @ 24/25/30/48/50/60 fps FHD: 1920×1080 @ 24/25/30/48/50/60/120 fps MP4/MOV (H.264/MPEG-4 AVC, H.265/HEVC)
Max Video Bitrate	150 Mbps
Supported File System	FAT32/exFAT Supports a microSD card with a capacity of up to 256 GB.
Digital Zoom	Zoom recording is not available while recording 10-bit videos and 120fps videos. 4K/30fps: 4x; 2.7K/60fps: 4x; 2.7K/30fps: 6x; 1080p/60fps: 6x; 1080p/30fps: 8x

Gimbal

Stabilization	3-axis (tilt, roll, pan)
Mechanical Range	Tilt: -135° to 45° Roll: -45° to 45° Pan: -100° to 100°
Pan Axis	Controllable
Controllable Range	Tilt: -90° to 0°(default); -90° to 24° (extended) Pan: -80° to 80°

Max Controllable Speed (tilt)	100°/s
Angular Vibration Range	±0.01°

Sensing System

Forward	Precision Measurement Range: 0.35-22.0 m Detection Range: 0.35-44 m Effective Sensing Speed: ≤15 m/s Field of View (FOV): 71° (horizontal), 56° (vertical)
Backward	Precision Measurement Range: 0.37-23.6 m Detection Range: 0.37-47.2 m Effective Sensing Speed: 12 m/s Field of View (FOV): 57° (horizontal), 44° (vertical)
Downward	Available Downward Sensors: Dual Vision Sensors + Time of Flight Sensors (ToF) ToF Measurement Range: 0.1-8 m Hovering Range: 0.5-30 m
Left/Right	N/A
Upward	Precision Measurement Range: 0.35-22.0 m Field of View (FOV): 78° (horizontal), 63° (vertical)
Downward Auxiliary Light	Single LED

Video Transmission

Transmission System	O3 2.4 GHz/5.8 GHz Auto-Switching (compatible with OcuSync 2.0) 4-antenna 2T4R
Max Transmission Distance	12 km (FCC), 8 km (CE) 8 km (SRRC), 8 km (MIC)
Live View Quality/Latency	Drone + Remote Controller: 1080p/30fps 12 Mbps <120 ms Drone + DJI Smart Controller: 1080p/30fps 12Mbps <130 ms
Max Transmission Bitrate	44 Mbps
Operating Frequency	2.4 GHz 5.8 GHz

Remote Controller

Multiple Controllers	N/A
DJI Smart Controller	Supported
Remote Controller Transmission System	OcuSync 2.0
Battery Life	6 hours (4 hours when charging a mobile device)

Supported Mobile Device Connectors	Lightning, Micro USB, USB-C
Max Supported Mobile Device Size	180×86×10 mm (length×width×height)
Operating Temperature	-10° to 40°C (14° to 104°F)
Transmitter Power (EIRP)	2.4 GHz: FCC: ≤26 dBm CE: ≤20 dBm SRRC: ≤20 dBm MIC: ≤20 dBm 5.8 GHz: FCC: ≤26 dBm CE: ≤14 dBm SRRC: ≤26 dBm

Charger

Charging Input	100-240V, 50/60 Hz, 1.3 A
Charging Output	Charging Port: 13.2 V=2.82 A USB Port: 5 V=2 A
Voltage	13.2 V
Rated Power	38 W