

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*
 - 10.7 m/s
- *Max Tilt Angle*
 - 35° (S Mode)
 - Front: 30°, Back: 20°, Left: 35°, Right: 35° (N Mode)
- *Max Angular Velocity*
 - 250°/s (S Mode)
 - 90°/s (N Mode)
 - 60°/s (C Mode)
- *Operating Temperature Range*
 - 0° to 40°C (32° to 104°F)
- *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 GNSS positioning)
- Horizontal:
 - ± 0.1 m (with vision positioning)
 - ± 1.5 m (with GNSS positioning)
- *Propellers*
 - Quick release, low noise, folding
- *Aircraft Arms*
 - Foldable
- *GNSS*
 - GPS+GLONASS+GALILEO
- *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°
 - 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*
 - Not Controllable
- *Controllable Range*
 - Tilt: -90° to 0°(default); -90° to 24° (extended)
- *Max Controllable Speed (tilt)*
 - 100°/s
- *Angular Vibration Range*
 - ±0.01°

Sensing System

- *Forward*
 - Precision Measurement Range: 0.38-23.8 m
 - Effective Sensing Speed: ≤15 m/s
 - Field of View (FOV): 72° (horizontal), 58° (vertical)

- *Backward*
 - Precision Measurement Range: 0.37-23.4 m
 - Effective Sensing Speed: ≤12 m/s
 - Field of View (FOV): 57° (horizontal), 44° (vertical)
- *Downward*
 - ToF Measurement Range: 0.1-8 m
 - Hovering Range: 0.5-30 m
 - Vision Sensor Hovering Range: 0.5-60 m
- *Left/Right*
 - N/A
- *Upward*
 - Precision Measurement Range: 0.34-28.6 m
 - Field of View (FOV): 63° (horizontal), 78° (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 (download bitrate)
 - 16 Mbps (live video bitrate)

- *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*

- 0° 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