



# 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

SRRRC:  $\leq 29$  dBm

- **Hovering Accuracy Range**
  - Vertical:
    - $\pm 0.1$  m (with vision positioning)
    - $\pm 0.5$  m (with GNSS positioning)
  - Horizontal:
    - $\pm 0.1$  m (with vision positioning)
    - $\pm 1.5$  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  
Smart Photo (including HDR and Hype rLight): 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:  $-135^{\circ}$  to  $45^{\circ}$
  - Roll:  $-45^{\circ}$  to  $45^{\circ}$
  - Pan:  $-100^{\circ}$  to  $100^{\circ}$
- **Pan Axis**
  - Not Controllable
- **Controllable Range**
  - Tilt:  $-90^{\circ}$  to  $0^{\circ}$ (default);  $-90^{\circ}$  to  $24^{\circ}$  (extended)
- **Max Controllable Speed (tilt)**
  - $100^{\circ}/s$
- **Angular Vibration Range**
  - $\pm 0.01^{\circ}$

## Sensing System

- **Forward**
  - Precision Measurement Range: 0.38-23.8 m
  - Effective Sensing Speed:  $\leq 15$  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



For any query / cla

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