



dji **AIR 3S**



AIRCRAFT

Takeoff Weight	724 g
Dimensions	Folded (without propellers): 214.19×100.63×89.17 mm (L×W×H) Unfolded (without propellers): 266.11×325.47×106.00 mm (L×W×H)
Max Ascent Speed	10 m/s
Max Descent Speed	10 m/s
Max Horizontal Speed	At sea level, in windless conditions: 21 m/s* At sea level, with 6 m/s tailwind, while flying in the same direction as the wind: 27 m/s*
Max Takeoff Altitude	6000 m
Max Flight Time	45 minutes
Max Hovering Time	41 minutes
Max Flight Distance	32 km
Max Wind Speed Resistance	12 m/s
Max Pitch Angle	36°
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 satellite positioning) Horizontal: ±0.3 m (with vision positioning) ±0.5 m (with satellite positioning)
Internal Storage	42 GB
Class	C1 (EU)

A dual-camera drone designed for travel photography, DJI Air 3S integrates a suite of advanced technologies. Featuring a 1-inch-CMOS primary camera, ^[1] Air 3S captures landscapes, portraits, and more in stunning detail. Both cameras support the new Free panorama feature, which allows flexible shooting-range selections. Additional new highlights include nightscape obstacle sensing ^[2] and next-gen Smart RTH for enhanced safety during nighttime photography. In each and every way, DJI Air 3S is designed to maximize every aerial moment.

1" CMOS Primary Camera



Nightscape Omnidirectional Obstacle Sensing ^[2]



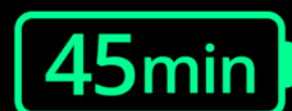
Free Panorama, Seamless and Detailed



Next-Gen Smart RTH With Enhanced Precision



45-Min Flight Time, ^[3] 20km Video Transmission ^[4]



CAMERA

<p>Image Sensor</p>	<p>Wide-Angle Camera: 1-inch CMOS, 50MP Effective Pixels Medium Tele Camera: 1/1.3-inch CMOS, 48MP Effective Pixels</p>
<p>Lens</p>	<p>Wide-Angle Camera FOV: 84° Format Equivalent: 24 mm Aperture: f/1.8 Focus: 0.5 m to ∞</p> <p>Medium Tele Camera FOV: 35° Format Equivalent: 70 mm Aperture: f/2.8 Focus: 3 m to ∞</p>
<p>ISO Range</p>	<p>Video Normal: 100-12800 (Normal) 100-3200 (D-Log M) 100-3200 (HLC) Slow Motion: 100-6400 (Normal) 100-3200 (D-Log M) 100-3200 (HLC)</p> <p>Photo 100-6400 (12 MP) 100-3200 (48 MP and 50 MP)</p>
<p>Shutter Speed</p>	<p>Wide-Angle Camera 12MP Photo: 1/8000-2 s (2.5-8 s for simulated long exposure) 50MP Photo: 1/8000-2 s</p> <p>Medium Tele Camera 12MP Photo: 1/16000-2 s (2.5-8 s for simulated long exposure) 48MP Photo: 1/8000-2 s</p>
<p>Max Image Size</p>	<p>Wide-Angle Camera: 8192×6144 Medium Tele Camera: 8064×6048</p>

CAMERA

<p>Still Photography Modes</p>	<p>Wide-Angle Camera Single Shot: 12 MP and 50 MP Burst Shooting: 12 MP, 3/5/7 frames; 50 MP, 3/5 frames Automatic Exposure Bracketing (AEB): 12 MP, 3/5/7 frames; 50 MP, 3/5 frames at 0.7 EV step Timed: 12 MP, 2/3/5/7/10/15/20/30/60 s; 50 MP, 5/7/10/15/20/30/60 s</p> <p>Medium Tele Camera Single Shot: 12 MP and 48 MP Burst Shooting: 12 MP, 3/5/7 frames; 48 MP, 3/5 frames Automatic Exposure Bracketing (AEB): 12 MP, 3/5/7 frames; 48 MP, 3/5 frames at 0.7 EV step Timed: 12 MP, 2/3/5/7/10/15/20/30/60 s; 48 MP, 5/7/10/15/20/30/60 s</p>
<p>Photo Format</p>	<p>JPEG/DNG (RAW)</p>
<p>Video Resolution</p>	<p>Wide-Angle Camera/Medium Tele Camera: H.264/H.265 4K: 3840×2160@24/25/30/48/50/60/120*fps FHD: 1920×1080@24/25/30/48/50/60/120*/240*fps 2.7K Vertical Shooting: 1512×2688@24/25/30/48/50/60fps</p>
<p>Video Format</p>	<p>MP4 (MPEG-4 AVC/H.264, HEVC/H.265)</p>
<p>Max Video Bitrate</p>	<p>H.264/H.265: 130 Mbps</p>
<p>Supported File System</p>	<p>exFAT</p>
<p>Color Mode and Sampling Method</p>	<p>Wide-Angle/Medium Tele Camera Normal (FHD/2.7K): 8-bit 4:2:0 (H.264) Normal (FHD/2.7K): 10-bit 4:2:0 (H.265) HLG/D-Log M (FHD/2.7K): 10-bit 4:2:0 (H.264/H.265) Normal/HLG/D-Log M (4K): 10-bit 4:2:0 (H.265)</p>
<p>Digital Zoom</p>	<p>Wide-Angle Camera: 1-2.9x Medium Tele Camera: 3-9x</p>

DJI Air 3S features a dual-camera system consisting of a 1-inch-CMOS primary camera and a 1/1.3-inch-CMOS medium tele camera. The primary camera features a larger CMOS sensor and a 24mm lens, making it ideal for capturing expansive landscapes with enhanced clarity and a wide field of view. The 70mm medium tele camera excels at portrait and vehicle shots, offering compressed depth of field to highlight any subject with a bolder, more cinematic look.



1" CMOS Primary Wide-Angle Camera

3.2 μ m Large Pixel Size ^[5]
24mm Format Equivalent
50 MP
f/1.8 Aperture

1/1.3" CMOS Medium Tele Camera

2.4 μ m Large Pixel Size ^[5]
70mm Format Equivalent
48 MP
f/2.8 Aperture

1" CMOS Primary Camera: Breathtaking Detail for Travel Photography

The primary camera of DJI Air 3S integrates a 50MP 1-inch CMOS sensor, supporting 4K/60fps HDR and 4K/120fps video recording ^[6] as well as 10-bit D-Log M color mode. This large sensor, enhanced by advanced image-processing technology and intelligent algorithms, preserves even minute details in low-light conditions such as sunsets and nightscapes, delivering shots that are simply, effortlessly breathtaking.



GIMBAL

Stabilization	3-axis mechanical gimbal (tilt, roll, pan)
Mechanical Range	Tilt: -135° to 70° Roll: -50° to 50° Pan: -27° to 27°
Controllable Range	Tilt: -90° to 60° Pan: -5° to 5°
Max Control Speed (tilt)	100°/s
Angular Vibration Range	±0.0037°

DJI RC-N3 REMOTE CONTROLLER

Max Operating Time	Without Charging Any Mobile Device: 3.5 hours When Charging a Mobile Device: 1.5 hours
Max Supported Mobile Device Size	180×86×10 mm (L×W×H)
Operating Temperature	-10° to 40° C (14° to 104° F)
Charging Temperature	5° to 40° C (41° to 104° F)
Charging Time	2 hours
Charging Type	It is recommended to use a 5V/2A charger.
Battery Capacity	9.36 Wh (3.6 V, 2600 mAh)
Weight	Approx. 320 g
Dimensions	104.2×150×45.2 mm (L×W×H)
Supported Mobile Device Port Type	Lightning, USB-C, Micro-USB
Video Transmission Operating Frequency	2.4000-2.4835 GHz 5.170-5.250 GHz 5.725-5.850 GHz

Free Panorama

Both the primary camera and medium tele camera of DJI Air 3S offer Free panorama mode, letting you create seamless panoramic shots by stitching together multiple images with a manually selected subject or area. The wide-angle camera offers a broader FOV, boosting efficiency when capturing panorama photos. The medium tele camera significantly reduces image distortion, crafting your masterpieces into expansive shots with a wide perspective from multiple photos and rich details captured through its focal length advantages.



Omnidirectional Vision Sensing System

DJI Air 3S supports the Advanced Pilot Assistance Systems (APAS). Additionally, as the first DJI drone to feature forward-facing LiDAR, Air 3S also features a downward infrared time-of-flight (ToF) sensor and six vision sensors (two at the front, rear, and bottom) to achieve nightscape omnidirectional obstacle sensing.^[2] This feature enables the drone to automatically identify and circumvent obstacles, such as buildings, during its flight and return paths, ensuring robust safety for nighttime photography.



BATTERY

Capacity	4276 mAh
Weight	Approx. 247 g
Nominal Voltage	14.6 V
Max Charging Voltage	17.2 V
Type	Li-ion 4S
Energy	62.5 Wh
Charging Temperature	5° to 40° C (41° to 104° F)
Charging Time	Approx. 80 minutes (with DJI 65W Portable Charger) Approx. 60 minutes (with DJI 100W USB-C Power Adapter and Battery Charging Hub)

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