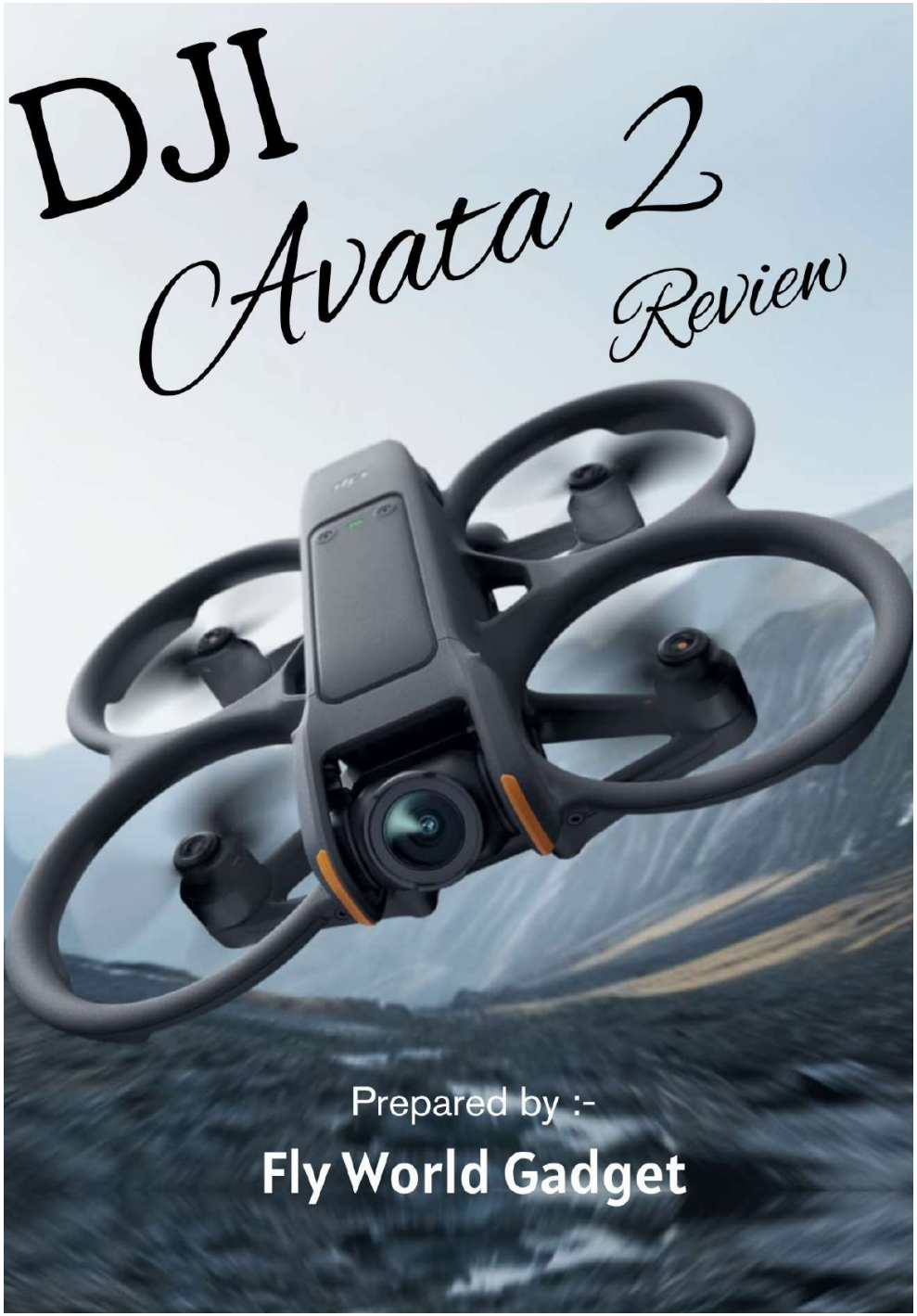
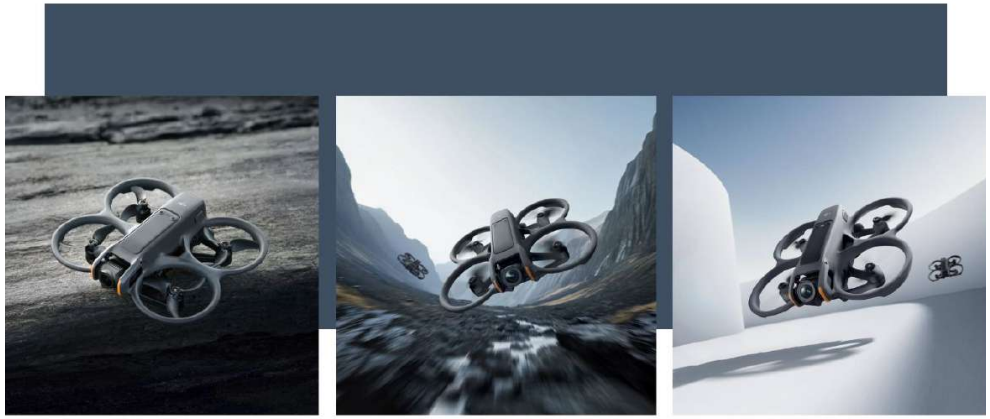
DJI Avata 2 Review



INTRODUCTION



The DJI Avata 2 is an advanced FPV (First-Person View) drone designed for an immersive flying experience. It features a 4K camera with enhanced image stabilization, offering smooth, high-quality footage even during fast maneuvers. With its compact design, obstacle avoidance sensors, and up to 18 minutes of flight time, the Avata 2 is perfect for both indoor and outdoor flights. It supports the DJI FPV Goggles V2 and Motion Controller for a fully immersive experience, making it ideal for both beginners and professional content creators seeking dynamic aerial footage.

DESIGN & BUILD

- **Cinewhoop Design :** The Avata 2 has a unique cinewhoop design with integrated propeller guards, ideal for indoor flying and minimizing damage during close-quarter maneuvers.
- **Weight :** It weighs 239g (without the battery) and 386g (with the battery), which complies with European class C1 regulations.
- **T-Mount Propellers :** It uses standard T-mount propellers for easy replacement and customization.

IN THE BOX :-


I Avata 2


DJI Goggles 3
× 1


DJI RC Motion 3
× 1


DJI Avata 2 Intelligent Flight Battery
× 3

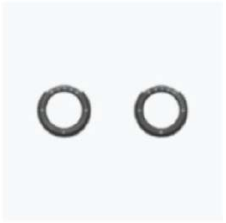

I Avata 2 Propellers air)


DJI Avata 2 Propeller Screw
× 16


DJI Avata 2 Gimbal Protector
× 1


DJI Goggles 3 Foam Padding
× 1


DJI Goggles 3 Additional Forehead Pad
× 1


DJI Goggles 3 -2.0D Corrective Lenses (Pair)
× 1


DJI Avata 2 Two-Way Charging Hub
× 1


DJI Sling Bag
× 1


SB-C OTG Cable


Type-C to Type-C PD Cable

DJI RC Motion 3 Lanyard


Screwdriver
× 1



CAMERA & IMAGING

- **1/1.3-Inch 12MP Sensor :** The drone is equipped with a high-performance sensor capable of capturing sharp and detailed images and videos.
- **Video Resolutions :** It can shoot 4K video at up to 60fps, 2.7K at 120fps, and 1080p at 120fps for smooth slow-motion footage.
- **Field of View (FOV) :** The camera offers a 155-degree field of view (FOV) with a 12mm focal length, providing wide-angle views.
- **Fixed-Focus Lens :** The camera has a fixed-focus lens, offering clarity from 60cm to infinity.
- **Color Profiles :** It supports different color profiles, including Normal and D-Log M, for more flexibility in post-production color grading.



CAMERA & IMAGING

- **10-Bit D-Log M Color Profile :** The ability to shoot in 10-bit color enables a wider dynamic range and allows for more advanced color grading during post-production.
- **Electronic Image Stabilization (EIS) :**
  - **RockSteady :** Reduces camera shake to create stable video footage, even during dynamic movement.
  - **HorizonSteady :** Keeps the horizon level during flight, ensuring a smoother and more cinematic experience.
  - **Off Mode :** For users who prefer full control over the footage without stabilization.



BATTERY & CHARGING

- Battery Life: On a full charge, the Avata 2 offers a flight time of approximately 10 minutes with the DJI FPV Remote Controller 3.
- Battery Life: The battery provides:
  - 90 minutes at 1080p 60fps.
  - 60 minutes at 2.7K 60fps.
  - 40 minutes at 4K 60fps..
- Fast Charging: The drone supports PD fast charging, with the included charging hub fully recharging the battery in about 45 minutes.
- Charging Time: Around 45 minutes for a full recharge.



SAFETY FEATURES

- **Obstacle Sensors :** It features front and downward obstacle sensors to avoid collisions, adding an extra layer of safety during flight.
- **Geofencing :** The ability to set geofencing parameters ensures that the drone stays within a designated area, preventing it from flying into restricted zones.
- **Return to Home (RTH) :** The RTH function is also available, automatically bringing the drone back to its takeoff point if the signal is lost or the battery runs low.
- **Emergency Brake and Hover :** In case of unexpected issues or loss of control, the drone has an emergency brake feature that allows it to stop immediately and hover in place.



FLIGHT PERFORMANCE

- **Maximum Flight Range :** The DJI Avata 2 supports a maximum transmission distance of 13 km, allowing pilots to capture stunning aerial shots from vast distances.
- **Flight Time :** With the included battery, the drone provides:
  - 90 minutes of flight time at 1080p 60fps.
  - 60 minutes at 2.7K 60fps.
  - 40 minutes at 4K 60fps.
- **Backward Visual Positioning Sensors :** These sensors allow the drone to maintain stable and precise flight paths, especially when flying in reverse or in challenging conditions.
- **Maximum Speed :** The Avata 2 can reach a maximum speed of around 16 meters per second (57.6 km/h).
- **Backward Flight Capability :** The addition of backward sensors means the Avata 2 is more agile and accurate in reverse flight.



DJI AVATA 2

CONTROL AND PILOTING

- **FPV Goggles V2 :** The Avata 2 is compatible with the DJI FPV Goggles V2, offering an immersive first-person view. The goggles provide a real-time video feed with low latency and high definition, making the flight experience feel like you're inside the cockpit.
- **Motion Controller :** The drone is compatible with the DJI Motion Controller, which allows for intuitive flying based on natural hand movements, making it more accessible for beginners.
- **Precise Control :** The drone offers precise control, even in difficult environments, thanks to the responsive flight system and visual positioning sensors.



VIDEO TRANSMISSION SYSTEM

- **O4 Transmission System :** This system enhances the transmission range to 13 km, providing stable and low-latency video feeds.
- **60 Mbps Video Bitrate :** The increase in video bitrate from 50 Mbps (in previous versions) to 60 Mbps helps deliver better quality video transmission with fewer glitches or signal drops.
- **Low-Latency Video Feed :** The video transmission is highly responsive, ensuring that pilots get real-time feedback for precise control.



- **Normal Mode :** Designed for casual pilots, this mode offers an easier and more stable flying experience.
- **Sport Mode :** Provides more agility and higher speeds, suitable for enthusiasts looking for a more dynamic flight experience.
- **Manual Mode :** This mode allows expert pilots to have complete control over the drone, offering the ultimate freedom for FPV flying.

Storage



- **Internal Storage :** The drone comes with an expanded internal storage of 46GB, up from 20GB in previous models, allowing for more extended recording times.
- **SD Card Support :** The Avata 2 supports microSD cards up to 256GB, enabling ample storage for high-quality video footage.
- **Recording Time :** For example, at 4K 60fps, the drone can record for approximately 40 minutes on the internal storage.

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