

DJI AVATA EXPLORER *Review*



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**DJI AVATA
EXPLORER
COMBO**



**DJI AVATA
EXPLORER
INBOX**



**DJI AVATA
EXPLORER**



introduction



Safely film steady, ultra-wide 4K stabilized video indoors or outside, in and around objects, with the DJI Avata Explorer Combo FPV Drone with Goggles Integra. Sporting what some call a "cinewhoop" design, the Avata comes in a palm-sized form factor with all four propellers protected with attached guards. This allows for close-up filming indoors, near people, and through small openings without risking damage or injury to people and property. If the Avata does come in contact, it can just bounce off and keep flying.

With the Explorer Combo version of the Avata, piloting the drone is a much more exhilarating experience. The Goggles Integra let you see what the Avata sees, and the RC Motion 2 controller gives you easy, one-handed operation. It's made to feel as if you're in a virtual cockpit, gripping the flight stick. What you see looks brilliant on a pair of 1080p Full HD Micro-OLED displays, and the RC Motion 2 makes piloting more natural and responsive, combining motion-sensing hand movements with an integrated flight joystick.

The Avata comes equipped with a 48MP 1/1.7" CMOS sensor, which supports up to 4K video at 100 fps. This footage is shot with an ultra-wide 155° FOV that mimics how we see with our own eyes for a natural and realistic experience. The footage is stabilized in two ways using RockSteady 2.0 EIS and HorizonSteady EIS.

About this item

- Experience the Thrill of Flying - Enjoy total immersion and intuitive control with DJI Avata. When you combine Avata with the goggles and motion controller, flight becomes accessible to all..Operating Temperature Range : -10° to 40° C (14° to 104° F)
- Flight has Never Been Easier - With the DJI Motion Controller, intuitive flight is in your hands. Squeeze the trigger and bolt forward or turn a corner with the swivel of your wrist.
- Ultra-Smooth 4K Footage - Avata features an upgraded camera system so that no extra attachments are needed. Enjoy next-level imagery with the 1/1.7-inch sensor, 155° FOV, and flagship stabilization.
- Palm-Sized and Agile - The lightweight and compact design of Avata makes it easy to carry and more capable of agile maneuvers. Fly between gaps, through branches, and take it with you on any adventure.
- Be Bold, Fly Far - Avata offers an impressive 18-minute flight time and upgraded safety. With the built-in propeller guard, it can handle minor contact, stay in the air, and keep on flying.
- Backed by Flagship Transmission - Get a sharp and responsive HD live feed with DJI O3+ video transmission at distances of up to 10 km.
- Note: Includes the new DJI RC Motion 2 remote controller and the ultra-comfortable DJI Goggles Integra, making it a wonderful and cost-effective choice for immersive flight.

Key Features



- Close-Up Filming Indoors or Outside
- Ultra-Wide 4K100p Stabilized Video
- Propeller Guards for Safe Flying
- Goggles Integra with 1080p Resolution
- DJI RC Motion 2 Controller Included
- Up to 6.2-Mile Video Transmission Range
- Downward Sensing Obstacle Avoidance
- Emergency Brake & RTH Safety Features
- Up to 18 Minutes of Flight Time
- 3 Speed Modes from 17.9 to 60.4 mph

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Additional Features



- Shoot in D-Cineline mode to allow for advanced color grading during post-production
- Ducted aerodynamic design for up to 18 minutes of flight time
- Three speed modes: Normal (up to 17.9 mph), Sport (up to 31.3 mph), and Manual (up to 60.4 mph)
- Take still JPEG photos at up to 4000 x 3000 resolution
- Capable of withstanding Level 5 winds of up to 24 mph
- microSD slot for optional cards up to 256GB
- Compatible with FPV Remote Controller 2, Goggles V2, FPV Goggles V2, Goggles Integra, RC Motion 2 Controller, and DJI Motion Controller

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what's in the box?



DJI AVATA



DJI RC
MOTION 2



DJI AVATA
POWER
ADAPTER



DJI AVATA
INTELLIGENT
FLIGHT
BATTERY X 1



DJI AVATA
PROPELLERS
(3 PAIR)



DJI GOGGLES
INTEGRA



DJI GOGGLES
INTEGRA EYEGLASS
FRAMES (2 PAIR)



DJI GOGGLES
INTEGRA CORRECTIVE
LENSES (11 PAIR)



DJI GOGGLES
INTEGRA TOP
HEADBAND



DJI GOGGLES 2
OTG CABLE



DJI AVATA GIMBAL
PROTECTOR



LENS CLEANING
CLOTH



LANYARD



TYPE-C TO TYPE-C
PD CABLE



SCREWDRIVER



SCREWS X 4

Six Reasons to Buy

DJI Avata Explorer



Discover the Freedom of Flight

Lose yourself in total immersion as you swoop and dive like never before. Combine Avata with DJI goggles for a life-like flying experience.^[1]



Get a Feel for Flying

Flight is accessible to all with the DJI Motion Controller series. It follows your hand movements and allows users of all levels to fly with confidence.



Super-Smooth 4K Video

Shoot 4K/60fps video with the 155° FOV for visuals that stand out. And keep your footage stable with RockSteady and HorizonSteady. ^{[2][3]}



Built for You to be Bold

Avata features a built-in propeller guard, an Emergency Brake button, and downward sensors for next-level safety and low-altitude flight. ^{[4][5]}

Light and Agile

Avata's compact design makes it more convenient to carry and perfect for hitting the tightest gaps. Take it with you and fly like never before.



HD Low-Latency Transmission

Avata features DJI's flagship O3+ video transmission and 2T2R omnidirectional antennas for unrivaled stability and responsiveness during flight. Enjoy a crisp and smooth real-time view in your goggles series, even in environments with interference.



DJI Avata Explorer Specs

- **Maximum Horizontal Speed**
- 31.3 mph / 14 m/s (S-Mode)
- 17.9 mph / 8 m/s (N-Mode)
- 60.4 mph / 27 m/s (Manual Mode)
- **Maximum Flight Time**
- 18 Minutes
- **Image Sensor**
- 1/1.7"-Type CMOS
- **Internal Recording Modes**
- H.264/H.265/MP4
- 3840 x 2160 at 30.00/50/60.00/100/120 fps [150 Mb/s]
- 2704 x 1530 at 30.00/50/60.00/100/120 fps [150 Mb/s]
- 1920 x 1080 at 30.00/50/60.00/100/120 fps [150 Mb/s]
- **Still Image Support**
- JPEG
- (4000 x 3000)
- **Vision System**
- Downward
- **Control Method**
- Included Transmitter
- **Maximum Operating Distance**
- 6.2 Miles / 10.0 km
- **Mobile App Compatible**
- Yes: Android & iOS
- App Name: DJI Fly
- Functionality: Remote Control, View Live Feed
- *As of March, 2023: Check with manufacturer for the most up-to-date compatibility
- Show More
- **Rotor Configuration**
- 4
- **Weight**
- 14.5 oz / 410 g Takeoff

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DJI Avata Explorer Specs Performance

- Maximum Horizontal Speed
- 31.3 mph / 14 m/s (S-Mode)
- 17.9 mph / 8 m/s (N-Mode)
- 60.4 mph / 27 m/s (Manual Mode)
- Maximum Ascent Speed
- 13.4 mph / 6 m/s
- Maximum Descent Speed
- 13.4 mph / 6 m/s
- Maximum Wind Resistance
- 23.9 mph / 10.7 m/s
- Flight Ceiling
- 3.1 Miles / 5000 m
- Maximum Flight Time
- 18 Minutes
- Maximum Hover Time
- 18 Minutes
- Hovering Accuracy
- Vision Positioning
- Vertical: $\pm 0.3'$ / 0.1 m
- Horizontal: $\pm 1.0'$ / 0.3 m
- GNSS
- Vertical: $\pm 1.6'$ / 0.5 m
- Horizontal: $\pm 4.9'$ / 1.5 m

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DJI Avata Explorer Specs Camera

- Image Sensor
- 1/1.7"-Type CMOS
- Sensor Resolution
- Effective: 48 Megapixel
- Focal Length
- 2.3mm / 12.7mm (35mm Equivalent)
- Field of View
- 155°
- Maximum Aperture
- f/2.8
- Minimum Focus Distance
- 2' / 0.6 m
- ISO Sensitivity
- 100 to 6400 in Auto Mode
- 100 to 25,600 in Manual Mode
- Shutter Speed
- 1/8000 to 1/50 Seconds
- Internal Recording Modes
- H.264/H.265/MP4
- 3840 x 2160 at 30.00/50/60.00/100/120 fps [150 Mb/s]
- 2704 x 1530 at 30.00/50/60.00/100/120 fps [150 Mb/s]
- 1920 x 1080 at 30.00/50/60.00/100/120 fps [150 Mb/s]
- Broadcast Resolution
- None
- Still Image Support
- JPEG
- (4000 x 3000)
- Internal Storage
- 20 GB
- Media/Memory Card Slot
- Single Slot: microSD/microSDHC/microSDXC [256 GB Maximum]
- Photo Modes
- Single Shot

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DJI Avata Explorer Specs

Gimbal

- Number of Axes
- 1-Axis (Pitch (Tilt))
- Rotation Range
- Mechanical Range
- Pitch (Tilt): 170° (-90 to 75°)
- Controllable Range
- Pitch (Tilt): 145° (-80 to 65°)
- Follow Speed
- Tilt: 60°/s
- Stabilization Accuracy
- $\pm 0.01^\circ$

Vision/Sensing System

- Vision System
- Downward
- Vision System Capabilities
- Downward
- Hovering Range: 1.6 to 65.6' / 0.5 to 20 m
- Operating Environment
- Surface with Clear Patterns at >15 lux
- Required Object Reflectivity
- >20%

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DJI Avata Explorer Specs

Remote Controller / Transmitter

- Control Method
- Included Transmitter
- Operating Frequency
 - 2.4 GHz
 - 5.8 GHz
- Maximum Operating Distance
 - 6.2 Miles / 10.0 km
- Mobile App Compatible
 - Yes: Android & iOS
 - App Name: DJI Fly
 - Functionality: Remote Control, View Live Feed
- *As of March, 2023: Check with manufacturer for the most up-to-date compatibility
- Built-In Display Size / Type
 - 0.49" / LCD

Flight Battery

- Battery Chemistry
 - Lithium Nickel Manganese Cobalt Oxide (LiNiMnCoO₂)
- Battery Capacity
 - 2420 mAh / 35.71 Wh
- Battery Configuration
 - 4 S / 14.76 V
- Maximum Charging Power
 - 17 V
- Charging Temperature
 - 41 to 104°F / 5 to 40°C
- Weight
 - 5.7 oz / 162 g

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DJI Avata Explorer Specs

General

- Rotor Configuration
- 4
- Operating Temperature
- 14 to 104°F / -10 to 40°C
- Diagonal Size
- 4.7" / 120 mm
- Overall Dimensions
- 7.1 x 3.1 x 7.1" / 180.0 x 80.0 x 180.0 mm
- Weight
- 14.5 oz / 410 g Takeoff

Packaging Info

- Package Weight
- 3.785 lb
- Box Dimensions (LxWxH)
- 8.5 x 8.4 x 7"

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Questions and Answers

What is the difference between DJI Avata and ordinary camera drones? Is it worth buying?

Compared with ordinary camera drones, DJI Avata supports motion control to provide more immersive flight experience.

- 1. DJI Avata can be used with goggles and DJI Motion Controller. The easy and intuitive control allows you to experience a more immersive flight and aerial photography.**
- 2. The aircraft body is lightweight and portable, making it flexible to fly in various scenarios. It also comes with a built-in propeller guard to further improve flight safety.**
- 3. Compared with the 84° FOV of ordinary camera drones, the video recording FOV of DJI Avata has been expanded to 155°. This expanded FOV makes a breakthrough in aerial photography and facilitates more impactful visual effects.**

What is the difference between DJI RC Motion 2 and the previous generation DJI Motion Controller?

Compared with the DJI Motion Controller, DJI RC Motion 2 adds an independent joystick for height control and left-right horizontal flight control; the accelerator supports backward flight control through being pushed forward; and the new FN dial can be used to control camera parameters, UI interaction, and more on the goggles.

Questions and Answers

What is the difference between DJI Avata, DJI Avata Pro-View Combo (New), and DJI Avata Explorer Combo?

DJI Avata: Does not include a remote controller or goggles. You can use the DJI Goggles 2, DJI Goggles Integra, DJI FPV Goggles V2, DJI FPV Remote Controller 2, DJI RC Motion 2, or DJI Motion Controller that you already own.

DJI Avata Pro-View Combo (New): Includes DJI Goggles 2 and DJI RC Motion 2, which provide flexible controls and rich functions for an immersive flight experience.

DJI Avata Explorer Combo: Includes DJI Goggles Integra and DJI RC Motion 2, allowing you to quickly experience immersive flight with the integrated wearing design.

How safe is DJI Avata?

- 1. DJI Avata comes with a built-in propeller guard, so that the aircraft body is stronger and more durable, and can fly normally after minor collisions.**
 - 2. DJI Avata is equipped with downward obstacle sensing capability. In case of an emergency during flight, you only need to press the Emergency Brake and Hover button on the DJI Motion Controller, and the aircraft can hover in the air to leave plenty of buffer space for you.**
 - 3. If the battery is low, it will trigger the Return to Home (RTH) feature*, and the return point can be presented in AR form to show the direction information more intuitively.**
- * RTH is available when there is a good GPS signal.**

Questions and Answers

What are the benefits of choosing DJI Avata for beginners?

- 1. When using the standard DJI Motion Controller in one of the combos, you can perform motion control on the aircraft. That is, you can turn your wrist to control the direction of flight, and the aircraft will fly wherever you point to. You can also press the accelerator to control the speed of flying forward, or release the accelerator to let the aircraft hover in place. The control is intuitive and easy-to-learn.**
- 2. With DJI Goggles 2, you can use the head tracking function. Together with DJI Motion Controller, the easy and intuitive control can bring a stronger sense of immersion and allow you to easily complete various kinds of flight movements.**
- 3. DJI Avata is compatible with the DJI Virtual Flight app. When using it with the goggles and remote controller, you can immerse yourself in the vivid scenarios and start flight simulation, get realistic control feedback, and master flight skills and emergency handling methods. As a result, you can be more confident when flying in the real world.**

Does DJI Avata support other remote controllers and goggles?

DJI Avata is compatible with DJI Goggles 2, DJI Goggles Integra, DJI FPV Goggles V2, DJI FPV Remote Controller 2, DJI RC Motion 2, and DJI Motion Controller.

Questions and Answers

What are the differences between DJI Goggles Integra and DJI Goggles 2? Compared with DJI FPV Goggles V2, what upgrades does DJI Goggles Integra have?

Differences:

DJI Goggles Integra and DJI Goggles 2 are similar in size, video transmission performance, and screen display.

Compared with DJI Goggles 2, DJI Goggles Integra adds an integrated battery headband, making it more convenient to wear, and the touch panel has been replaced with physical buttons. Additionally, the wireless streaming function, dot matrix display, speaker, 3.5mm audio port, and diopter adjustment function have been removed (the included corrective lenses can be used to achieve the same effect as the diopter adjustment function).

Upgrades:

- 1. DJI Goggles Integra has more comprehensive features and stronger compatibility. It supports the head tracking function, which allows you to experience immersive flight more freely.**
- 2. DJI Goggles Integra adopts DJI's flagship O3+ video transmission, which can achieve full HD and low-latency video transmission.**
- 3. DJI Goggles Integra features improved visual experience, wearing comfort, size, weight, and UI interaction.**

Questions and Answers

What is the difference between using DJI Avata with DJI RC Motion 2 and DJI FPV Remote Controller 2?

With DJI RC Motion 2, the aircraft can maneuver based on your natural hand movements, delivering an immersive flight experience as if you were in the pilot seat. With the newly added joystick and FN dial, DJI RC Motion 2 can realize the operations of sideways flight and backward flight through motion control and the camera parameters on the goggles can be controlled by the dial for more convenience.

DJI FPV Remote Controller 2 is suitable for users who are accustomed to the dual-stick control mode and want to achieve precise control.

Can I use DJI Avata without the goggles?

No.





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