DJI Flip Spec PDF



Drone Flip Guide



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Introduction

DJI has introduced the DJI Flip, a compact and foldable drone tailored for vloggers and aerial photography enthusiasts.

Key Features:

Design and Portability: Weighing under 249 grams, the DJI Flip boasts a unique folding mechanism with full-coverage propeller guards made from lightweight carbon fiber. This design ensures both safety and ease of transport, making it an ideal companion for on-the-go content creators.

Camera Capabilities: Equipped with a 1/1.3-inch CMOS sensor, the Flip captures 48-megapixel photos and records 4K HDR videos at 60 frames per second. It also offers 4K/100fps slow-motion recording and a 10-bit D-Log M color mode, providing vibrant and detailed imagery suitable for various shooting scenarios.

Flight Performance: The drone offers a maximum flight time of up to 31 minutes, allowing for extended shooting sessions without frequent recharging. Its advanced 3D infrared sensing system supports automatic braking, enhancing safety during flights, even in low-light conditions.

User-Friendly Operation: The DJI Flip can be operated via the DJI Fly app, offering intuitive controls for both beginners and experienced users. It supports palm takeoff without the need for a remote controller, and features AI subject tracking to keep the main subject centered in the frame, simplifying the capture of dynamic shots.



Flip Techniques

Mastering flips enhances your drone's agility and elevates your aerial photography skills.



Flip Techniques



Forward Flip

A basic flip that sends the drone forward in a 360-degree rotation.



Backward Flip

The opposite of a forward flip, rotating the drone backward in a 360-degree rotation.



Roll Flip

A flip that rotates the drone along its horizontal axis, similar to a barrel roll.

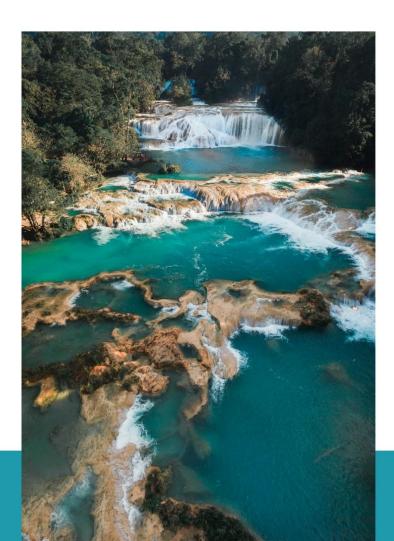
Safety Precautions

Fly Responsibly

Always prioritize safety when performing flips with your DJI drone. Choose an open space with no obstacles, and ensure you have ample clearance for the drone to complete its maneuvers.

Before attempting flips, familiarize yourself with your drone's control settings and practice in a controlled environment. It's recommended to start with simple maneuvers and gradually increase complexity as you gain confidence.

Maintain a safe distance from people and property during flips. Unexpected drone behavior can occur, and it's crucial to avoid potential accidents or damage.



Always be mindful of battery life and flight time. Performing flips consumes more power, so it's essential to monitor your drone's battery levels and land it before it runs low.



Aircraft

Takeoff Weight < 249 g

Dimensions
Folded: 136×62×165 mm (L×W×H)

Unfolded: 233×280×79 mm (L×W×H)

• Max Takeoff Altitude 3000 m

• Max Flight Time 31 minutes

• Max Hovering Time 28 minutes

• Max Flight Distance 14 km

Max Wind Speed Resistance 10.7 m/s (Level 5)

• Internal Storage 2 GB

Camera

Image Sensor
1/1.3-inch image sensor

• **Lens** FOV: 82.1°

Format Equivalent: 24 mm

Aperture: f/1.7 Focus: 1 m to ∞

• Max Image Size 48MP Photo

8064×6048

Still Photography Modes Single Shot: 12 MP and 48 MP

• Video Resolution 4K: 3840×2160@24/25/30/48/50/60/100fps 04 FHD: 1920×1080@24/25/30/48/50/60/100fps 2.7K Vertical Shooting: 1512×2688@24/25/30fps FHD Vertical Shooting: 1080×1920@24/25/30fps

Gimbal

• **Stabilization** 3-axis mechanical gimbal (tilt, roll, pan)

Controllable Range
Tilt Axis: -90° to +35°

<u>Sensing</u>

• Sensing Type Downward: one visual sensor and an infrared sensor,

Forward: 3D Infrared Sensing System

Video Transmission

Live View Quality
Remote Controller:

Up to 1080p/60fps

Lowest Latency Approx. 120 ms

Antenna
4 antennas (2.4 GHz: 1T2R; 5.2/5.8 GHz: 2T2R)

Wi-Fi

Protocol 802.11a/b/g/n/ac

Operating Frequency
2.4000 GHz-2.4835 GHz

5.7250 GHz-5.850 GHz

• Effective Operating Range 50 m

Bluetooth

• **Protocol** Bluetooth 5.0

• Operating Frequency 2.4000-2.4835 GHz

<u>Battery</u>

• Capacity 3110 mAh

• Weight Approx. 83.5 g

Nominal VoltageBattery TypeEnergy7.16 VLi-ion22.3 Wh

• Charging Time When Charging via Aircraft (30W max charging power):

From 0% to 100%: Approx. 70 minutes*

When Using the Battery Charging Hub for Charging One

Battery (48W max charging power): From 0% to 100%: Approx. 45 minutes**

When Using the Battery Charging Hub for Parallel Charging Two Batteries (65W max charging power): Two batteries from 0% to 100%: Approx. 70 minutes

Recommended Charger
DJI 65W Portable Charger*

USB Power Delivery chargers

"Expanding horizons": Our services are now available in

- Delhi
- Pune
- Bengaluru
- Indore
- Guwahati
- Kolkata

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