

# 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.



# Full Specification

## 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°

## Sensing

- **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

## Battery

- **Capacity** 3110 mAh
- **Weight** Approx. 83.5 g
- **Nominal Voltage** 7.16 V
- **Battery Type** Li-ion
- **Energy** 22.3 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

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