

# Parrot

## BEBOP DRONE

Own the sky with Parrot ultimate Full HD drone camera



Fitted with a 14 mega-pixel camera with fisheye lens, the Parrot Bebop Drone can produce videos in Full HD 1080p with a 180° mobile camera.

Boasting fully digital image stabilising technology, the Bebop Drone films during flight, whatever the movements inherent in the quadricopter.

### 180° vision

Using algorithms developed by Parrot engineers, the Bebop Drone relies on an exclusive 3-axis image stabilising system. Filming remains stable, however far the drone leans over, adjusting for any turbulence.





180° mobile camera

### Stunning stability

To ensure optimum stability without compromising easy handling, the Bebop Drone merges data from many 3-axe sensors: an accelerometer, gyroscope and magnetometer. An ultrasound sensor with a range of 5 m, a pressure sensor, and a vertical camera measure ground speed.

The Parrot Bebop Drone has 2 embedded Wi-Fi bi-band antennas to handle the two frequencies 2.4 GHz and 5 GHz in MIMO. It generates its own network meeting the latest Wi-Fi 802.11 standards. You can select a frequency depending on network congestion.



 **FreeFlight 3**  
Free application

### FreeFlight 3 App

The Bebop Drone comes with a free piloting application for smartphones and tablets.

FreeFlight 3 is available on iOS, Android & Windows Phone.



## Technical specifications

- 14 mega-pixel camera with a fisheye lens
- Stable Video in Full HD 1080P with instant sharing
- Advanced 3-axe video stabilising system
- Live video streaming on your smartphone or tablet
- 180° vision control on your smartphone and tablet
- Built with safety in mind: the propellers stop in case of contact
- Embedded GPS for automatic return home and high-altitude flight control
- Dual core processor with quad-core GPU
- 8 GB memory Flash storage
- Connect to Parrot Cloud to keep track of all your flights. Share your photos, videos and flight data
- Easy to pilot with the free dedicated App FreeFlight 3 available for iOS, Android & Windows Phone
- Weight: 380g without the hull - 400g with the hull

## Connectivity

- Wi-Fi 802.11a/b/g/n/ac
- Wi-Fi antennas: Bi-band MIMO with 2 sets of double dipolar antennas linked to 2.4 and 5 GHz bands
- Transmitted power: up to 21 dBm
- Signal range: up to 300 metres

**Available in three versions:**  
blue, red and yellow



Expert pilots and beginners should control leisure drones in a responsible manner and respect local rules and regulations.

[www.parrot.com](http://www.parrot.com)

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## Structure

- 4 Brushless Outrunner engines
- ABS structure with glass fibre reinforcement (15%)
- Outer hull in extra tough PPE: easy to clip and unclip to adapt to indoor and outdoor flight, protects the propellers in the event of collision, may be removed to reduce wind surface area

## Video

- Camera with 180° fisheye lens 1/2,3": 6 optical elements and 14 Mega-pixel sensor
- Video stabilising: digital 3-axe
- Video resolution: 1920 x 1080p (30fps)
- Photo resolution: 3800 x 3188
- Video Encoding: H264
- Photo format: RAW, DNG
- Internal memory: Flash 8Gb
- Expandable memory: Micro USB

## Box content

- 1 BeBop Drone
- 2 Lithium Polymer 1200mAh Batteries
- 1 Charger with US/JP/UK/EU/ANZ plugs
- 1 Micro USB Cable
- 1 Indoor hull
- 4 Additional propellers
- 1 Propellers mounting tool
- 1 Quick start guide

**Pilot with state-of-the-art immersive motion controls:**  
**The Parrot Bebop Drone is also available in a "Extended range" pack with the Parrot Skycontroller accessory.**



September 2014 - Conception and realisation: Parrot® Brand Studio

**3-axe image stabilising for video recording in Full HD 1080p**



1. Camera fitted to a vibration-free structure

2. Cropped image of 180° sensor without sacrificing resolution



3. Re-projection of images without distortion

4. Even stabilising of angles

5. Anti-vibration algorithms

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