



Parrot BEBOP DRONE



CONNECTIVITY:

- Wi-Fi 802.11a/b/g/n/ac.
- Wi-Fi antennas: MIMO dual-band with 2 double-sets of dipole antennas for 2.4 and 5 GHz.
- Signal range: Up to 250 meters.

STRUCTURE

- Four Brushless Outrunner motors.
- Glass fiber reinforced (15%) ABS structure.
- High-resistance EPP outdoor hull.
- Three-blade auto-block propellers in polycarbonate with fast disassembly system.
- Anti-vibration bumpers.
- Speed: 13 m/s.

CAMERA

- CMOS 14Mpx, 1/2.3".
- Camera with Fisheye lens 180° 1/2,2".
- 6 optical elements.
- Video stabilization: Digital on 3-axes.
- Video definition: 1920x1080p (30fps).
- Photo definition: 4096x3072 px.
- Video encoding: H264.
- Photo file format: JPEG, RAW, DNG.
- Internal memory: Flash 8 GB.

BATTERY

- Lithium Polymer 1200 mAh.
- Flight time: 22 minutes with 2 batteries.

PROCESSOR

- CPU: Dual-Core.
- Mother board: P7 dual-core CPU Cortex 9.
- Quad core GPU.

- 8Gb flash memory.
- Operating system: Linux.
- Developing: Open-source SDK.

SENSORS

- 3-axes.
- 3-axes magnetometer.
- 3-axes gyroscope.
- 3-axes accelerometer.
- Vertical camera:
Every 16 milliseconds, a ground image is taken and compared to the previous one to determine the speed of the Drone.
- Ultrasound sensor: analyzes the flight altitude up to 8 meters.
- Pressure sensor.

GPS

- GNSS (GPS + GLONASS).

DIMENSIONS

- 28 x 32 x 3.6 cm.
- 28 x 32 x 3.6 cm without the hull.
- 33 x 38 x 3.6cm with the hull.

WEIGHT

- 400 g (with battery, without the hull).
- 420 g (with battery, with the hull).

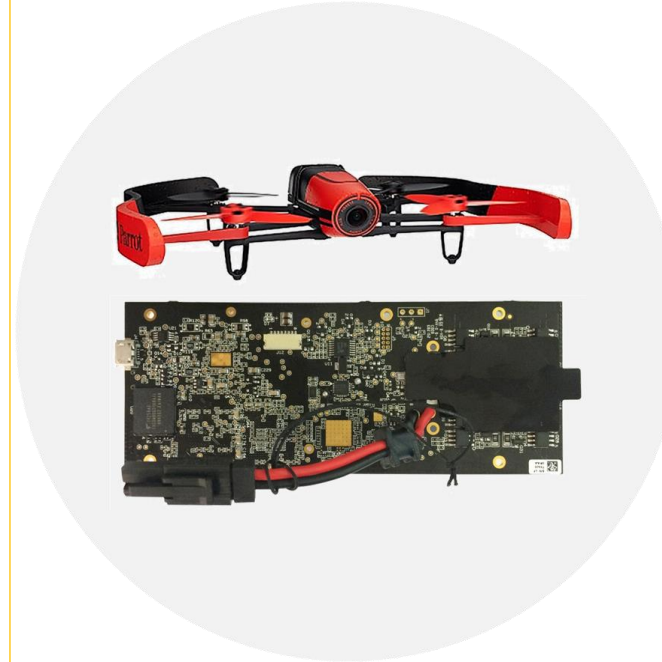
COMPABILITY

- iOS, Android, Windows Phone Smartphones/tablets.



BUILT FOR SAFE OPERATION

Its feather-weight ABS reinforced structure (400g) makes Parrot Bebop Drone robust and safe. In the event of any collision, the propellers stop automatically. The emergency mode allows the Quad to land immediately. Thanks to the GPS system, a Return Home function brings the Quad easily back to its take-off point. EPP hulls included in the pack makes indoor flights safer.



ADVANCED TECHNOLOGY

The Bebop Drone delivers the best performance: 8 x times more powerful than Parrot AR.Drone onboard computer. Bebop navigation computer features a Parrot P7 dual-core CPU, quad-core GPU and 8 GB of Flash Memory. All are fixed on a magnesium shelf that acts as a radiator and electromagnetic shielding. Runs on Linux with SDK.



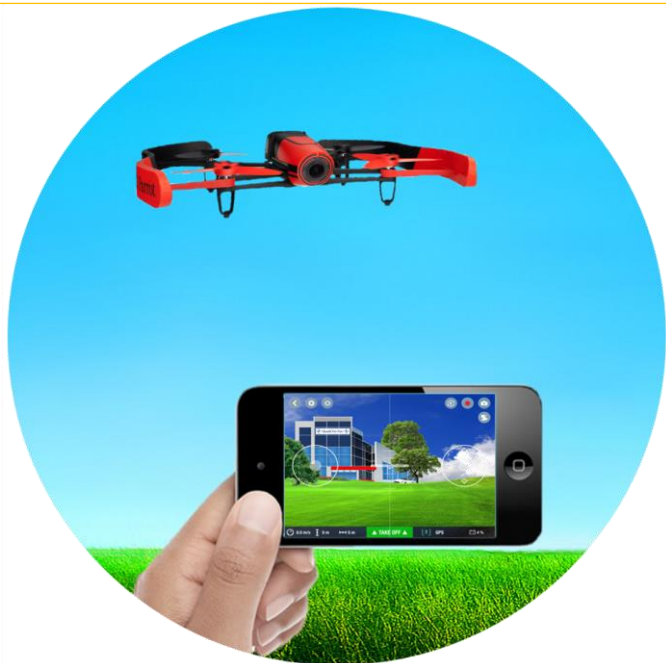
BEBOP DRONE GENERATES ITS OWN WI-FI HOTSPOT

MIMO WI-FI connection: Parrot Bebop Drone embarks 2 dual-band antennas that allows it to handle both 2.4 GHz and 5 GHz MIMO frequencies. It generates its own WI-FI 802.11 network. Depending on the network interference, the pilot can select the best frequency for flight.



RANGE EXTENDER

Skycontroller benefits from a doubled WI-FI connection. Optimized for a perfect connection and latency reduction, Skycontroller is safer and adapted for a long distance flights. The pilot enjoy a robust WI-FI link specially designed for Bebop, hence long distance as well as short distance WI-FI connection that maximizes interoperability with tablet or smartphone. Bebop Drone's range to 2 km as a result.



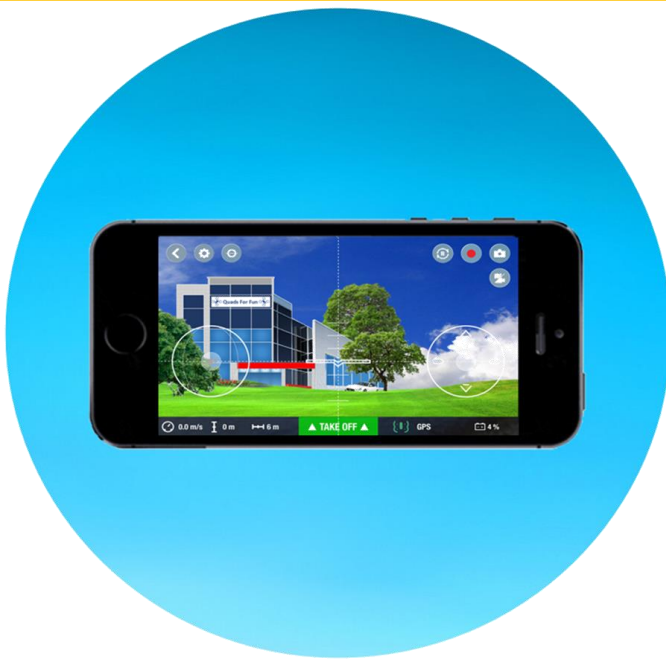
ASTOUNDINGLY STABLE

To ensure an optimal stability without compromising the maneuverability, the Bebop Drone analyzes data from numerous sensors automatically: 3-axes accelerometer, gyroscope, magnetometer, one ultrasound sensor with an 8 meters reach, one pressure sensor and a vertical camera to track the speed.



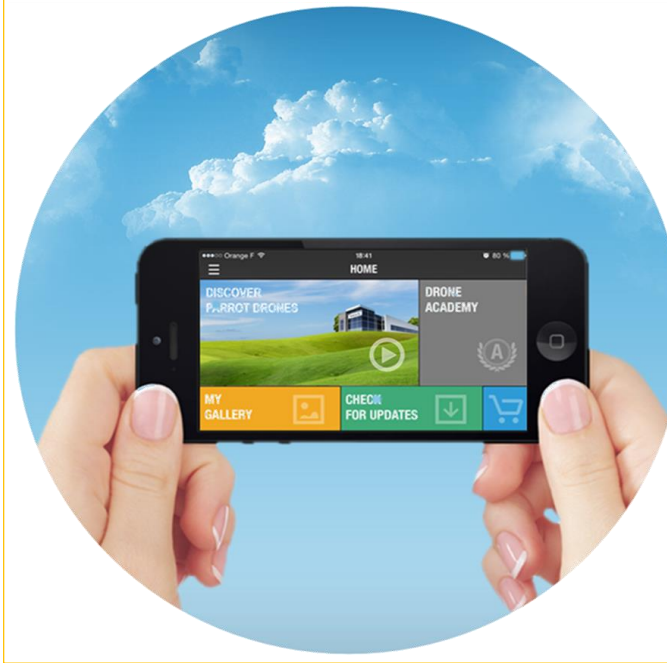
14 MEGAPIXELS FISHEYE CAMERA

Equipped with a 14 megapixel fisheye camera, the Parrot Bebop Drone records videos and picture in a 180° field with remarkable image quality. A full-digital image stabilization technology allows the Quad to take remarkably stable and clear aerial footage regardless of the drone movements. Splash and dust proof lens. Action cameras often shows horizontal lines distortion. In contrast, the Quad camera deliver undistorted lines and as a result horizon is not curved anymore.



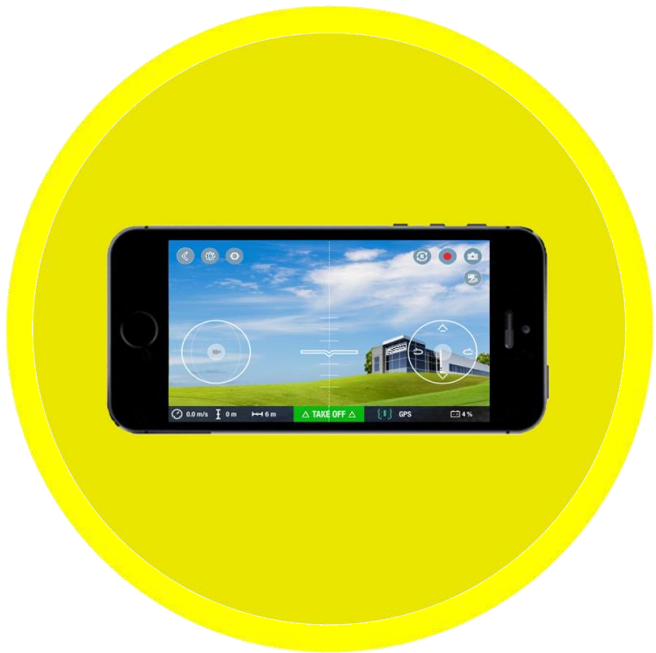
USER-CONTROLLED 180° VISION

Control the angle of the camera directly from the piloting application with a single movement of the thumb. The shifting on the 180 angle is fully digital and independent from the drone movements.



PARROT CLOUD

Keep track of all sessions. Share your photos, videos and data with other Parrot Cloud members and instantly on YouTube and Facebook. Free backup of your data.



FREEFLIGHT 3: ULTRA INTUITIVE App

The Parrot Bebop comes with a free piloting application, for iOS and Android smartphones and tablets. The user-friendly app has been developed to be very easy to use allowing the pilot to focus on the pleasure of flying. Once on the welcome screen, the pilot accesses the following functionalities: photos/videos, cloud Pilot Academy. User settings for altitude and speed, piloting mode (accelerometer, virtual joystick, etc)



RETURN HOME

Thanks to its embedded GPS, the Quad comes back to the pilot automatically or upon push on a dedicated and easily accessible button. GPS enables to locate the Bebop Drone even more precisely. The pilot can focus on flying.



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| 1) Built-in GPS | 9) Battery Levels (Drone & Skycontroller) |
| 2) Mouse (FPV navigation) | 10) Emergency button |
| 3) High precision joystick left | 11) Take-off / Landing |
| 4) Back (FPV navigation) | 12) GPS auto return home |
| 5) Home (FPV navigation) | 13) High precision joystick right |
| 6) Record Full HD video | 14) Digital tilt control of the camera |
| 7) Record & Wi-Fi signal | 15) Dual band 2.4 & 5 GHz Wi-Fi antenna |
| 8) HP audio | 16) Dock for smartphones & tablets (> 10.6") |