Take aerial video and pictures like a pro!

Parrot Bebop Drone, the ultra-light drone with a full HD camera digitally stabilized on its 3-axis!

With Bebop Drone, Parrot demonstrates its technological expertise and confirms its commitment to the civil drone market. The Bebop Drone is a super-high-tech leisure quadricopter with features of a professional one!

Equipped with a 14 mega pixels fish-eye camera, the Parrot Bebop Drone takes video and pictures of the world in a 180° field with remarkable image quality. Endowed with a fully digital technology of image stabilization, the Bebop Drone captures video despite the movements inherent in aerial footage.

The combination of numerous sensors gives it impressive stability and great maneuverability when piloting with a smartphone or a tablet. The use of the latest Wi-Fi 802.11ac MIMO and of four ceramic antennas 2.4GHz and 5GHz ensures an unequalled reach.

For extreme sensations, the Parrot Bebop Drone can be piloted with an optional controller compatible with FPV glasses.

Parrot extends its range of leisure drones with the Bebop Drone that takes professional-quality images.
A 180° vision

Parrot Bebop Drone is equipped with a 14 megapixels « fisheye-lens » front-facing camera that records video in Full HD (1080p x 1920p) and streams live immersive views of the flight on the screen of the piloting Smartphone or tablet.

The pilot can control the angle of the camera simply with his thumb, directly from the piloting application. The shifting on a 180° angle is fully digital.

Thanks to algorithms developed by Parrot engineers, the Bebop Drone benefits from an exclusive 3-axis image stabilization system that maintains a fixed angle of the view, regardless of the inclination of the drone and movement caused by turbulence.

The camera of the Parrot Bebop Drone is mounted on an ingenious structure with rubber shock absorbers that cushion vibrations.

The images taken by the Bebop Drone are digitally treated thanks to the Parrot P7 Dual core processor, its GPU and a proprietary Image Signal Processor.

The landscapes are captured on the 8 GB flash memory of the Parrot Bebop Drone with a gripping precision and sharpness.

After the landing of the drone, videos (MP4 format) and photos (JPEG and DNG formats) can be transferred onto the piloting device or a computer via Wi-Fi or via the embedded micro-USB connector.

An astounding stability

The Parrot Bebop Drone is piloted via Wi-Fi through a free application available for iOS and Android Smartphone and tablets.

To guarantee optimal stability of the quadricopter, without compromising maneuverability, the Bebop Drone integrates data coming from numerous sensors:

- One 3-axis accelerometer
- One 3-axis gyroscope
- One 3-axis magnetometer
- One ultrasound with a reach up to 8 meters
- One pressure sensor
- One vertical camera

- A MIMO Wi-Fi connection

The Parrot Bebop Drone is equipped with 4 Wi-Fi antennas so it can manage the 2.4 GHz and 5 GHz frequencies in MIMO (Multiple Inputs Multiple Outputs) format.

The Wi-Fi liaison uses the latest Wi-Fi 802.11ac.

Depending on network interference, the pilot can select the frequency of his choice.

- The Parrot Bebop Drone integrates a GNSS chipset that associates the GPS, GLONASS and GALILEO data. The Bebop Drone is capable of autonomous flight and automatic return to the take-off position.

The Bebop Drone automatically records the data of each flight on Parrot cloud: “Pilot Academy”.

After the landing of the drone, videos (MP4 format) and photos (JPEG and DNG formats) can be transferred onto the piloting device or a computer via Wi-Fi or via the embedded micro-USB connector.
A featherweight of high technologies

About 50 engineers, specializing in digital signal processing, aeronautics, Wi-Fi radio and industrial design, worked on the development of the Parrot Bebop Drone, a highly performing high-tech jewel weighting 380 g without its hull (400 g with the hull) and enabling indoor and outdoor flights without the risks linked to the weight of more imposing drones.

FreeFlight 3.0: An ultra-intuitive application

The Parrot Bebop Drone comes with a free piloting application, FreeFlight 3.0, for iOS and Android Smartphones and tablets. The ergonomics of the application have been developed to offer a perfect ease-of-use and to let the pilot focus on the pleasure of flying.

On the welcome screen, the pilot accesses the ground functionalities: Piloting, photos/videos, flight plan, Cloud ‘Pilot Academy’. When the ‘take off’ button is touched, the Parrot Bebop Drone starts its engines, takes off, stabilizes and awaits the pilot’s instructions.

The left thumb activates a virtual joystick that enables control of the altitude of the drone, its rotation and movements while tilting the smartphone/tablet, to indicate the direction: forward, backward, left, right.

The right thumb enables control of the angle of tilt of the front camera while flying.

A ‘flight plan’ piloting mode enables the pilot to program an autonomous flight, using the functionalities of the GNSS chipset.

When the ‘landing’ button is touched, the Parrot Bebop Drone lands smoothly.

A ‘Return Home’ button makes the Bebop Drone come back to its take-off position, guided by GPS.
To benefit from a more powerful Wi-Fi connection, Parrot will offer the Skycontroller as an option.

Equipped with an amplified Wi-Fi radio and with 4 antennas, the Parrot Skycontroller extend the Wi-Fi range up to 2 kms.

The piloting Smartphone or tablet is fixed on a shelf that is compatible with the vast majority of the tablets available in the market.

The pilot takes the helm of the drone via 2 joysticks.

For extreme sensations, it is possible to connect FPV (First Person View) glasses to the Parrot Skycontroller with the HDMI plug. Then, leaning the head will position the camera of the Bebop Drone!

*Expert pilots and beginners should take the helm of leisure drones in a responsible manner and in respect of the local rules and regulations.

Parrot Bebop Drone technical data
- CPU Dual core A9
- Linux
- Open source SDK
- Wi-Fi:
  - Wi-Fi 802.11 a/b/g/n/ac
  - Wi-Fi MIMO 2.4 and 5GHz
  - 26dBm
- GNSS : GPS+Glonass+Galileo
- Inertial unit: Gyroscope, Accelerometer, Magnetometer, Altimeter, Ultrasound, Vertical camera.
- Battery : Lithium Polyemere 1200mAh
- Flight time: Around 12 minutes
- Compatibility: iOS and Android Smartphones/tablets
- Weight: 380g without the hull - 400g with the hull
- Dimensions:
  - 28x32x3.6 cm without the hull
  - 33x38x3.6 cm with the hull

Parrot Skycontroller technical data
- Android 4.2
- Wi-Fi:
  - Wi-Fi 802.11 a/b/g/n up to 36dBm
  - Antennas directives range up to 2km
  - Wi-Fi MIMO 2.4 and 5GHz
  - Second chipset Wi-Fi to connect to a tablet
- GPS
- USB, HDMI extensions
- Sun-visor included
- Weight: 450g
- Sun-visor included

The Parrot Bebop Drone and Parrot Skycontroller will be available in Q4, 2014
MSRP: TBA

For more information, please visit www.parrot.com or contact:
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ABOUT PARROT
Parrot, a global leader in wireless devices for mobile phones, stands on the cutting edge of innovation. The company was founded in 1994 by Henri Seydoux as part of his determination to drive the inevitable breakthrough of mobile phones into everyday life by creating high-quality, user-friendly wireless devices for easy living. Parrot has developed the most extensive range of hands-free systems on the market for cars. Its globally recognized expertise in the fields of mobile connectivity and multimedia around Smartphones has positioned Parrot as a key player in in-car infotainment. Additionally, Parrot designs and markets a prestigious line of high-end wireless multimedia products in collaboration with some of the world’s most renowned designers. Finally, Parrot is expanding on the UAV market with the Parrot AR.Drone, the first quadricopter piloted via Wi-Fi and using augmented reality with new solutions for professional use.

Parrot, headquartered in Paris, currently employs more than 850 people worldwide and generates the majority of its sales overseas. Parrot is listed on NYSE Euronext Paris since 2006. (FR0004038263 – PARRO)