



Soar high with the new AR.Drone 2.0, Parrot's next generation quadcopter, thanks to its intuitive Smartphone and tablet control. You'll never be closer to flying as you view the earth from high above in high definition and directly share your experience online with the world.



INDOOR PLAYGROUND



OUTDOOR PLAYGROUND



USER INTERFACE

### RECORD & SHARE IN HD

As you fly, the HD video is recorded and sent directly to your device. With one click, upload your video from the user-friendly interface seamlessly to YouTube or share your pictures on Picasa. With the new piloting application, everything is simple and done wirelessly in an instant. For pilots looking to shoot longer videos, a USB plug-in has been added for larger recording storage.

### JOIN A COMMUNITY OF PILOTS

Thanks for the AR.Drone Academy, keep track of your flight data, location, photos and videos and share them with a community of pilots from all over the world. Check who is flying in your neighbourhood or watch videos from pilots on the other side of the globe.

### INTUITIVE

Download AR.FreeFlight 2.0, the free control application, on the App Store or the Google Play and you are ready to fly! By tilting your device, you control the direction of your AR.Drone 2.0, and by releasing it, the AR.Drone 2.0 is instantly stabilized.

### EXPLORE MORE

With the new AR.Drone 2.0-generated Wi-Fi N Connection, you can fly as far as 165 feet away. The AR.Drone 2.0 pressure sensors on-board provide unique stability that will automatically correct and maintain a still position in the air, regardless of altitude and wind up to 15 m/h.

### PILOT LIKE A PRO

Thanks to the autopilot feature on the AR.Drone 2.0, anyone can be an expert as the embedded sensors allow for easy take-off and landing. The new AR.Drone 2.0 also features the exclusive and patented Absolute Control piloting mode for beginners that can be adjusted with your growing expertise.

### ACROBATIC

This flip move is exclusive to AR.Drone 2.0! Become a daring pilot and perform barrel rolls by simply hitting a button.

# Parrot AR.Drone 2.0



**HD  
CAMERA**  
1280 x 720



**INTUITIVE  
SMART  
PHONE  
CONTROL**



## HD VIDEO RECORDING

Get high definition live video streaming to your Smartphone or tablet during flight. See a clean, sharp image just as if you were in the pilot seat.

- HD Camera: 720p 30fps
- Wide angle lens : 92° diagonal
- Store flight footage directly onto a remote device via Wi-Fi or directly to a USB key via the onboard port.
- H264 encoding base profile
- Low latency streaming
- JPEG photo capture

## ROBUST STRUCTURE

Trying your most daring tricks won't even challenge this cutting edge design which is made to last.

- Foam to isolate the inertial center from the engines' vibrations
- Expanded Polypropylene (EPP) hulls
- Carbon fibre tubes : Total weight 380g with outdoor hull, 420g with indoor hull
- High grade 30% fibre charged nylon plastic parts
- Liquid Repellent Nano-Coating on ultrasound sensors
- Fully reparable: All parts and instructions for repairing available on Parrot Website

## MOTORS

Fly high.  
Fly fast.

- 3 elements 1.000 mA/H LiPo rechargeable battery
- Specific high propelled drag for great maneuverability
- 8 MIPS AVR CPU per motor controller
- 4 brushless inrunner motors. 14.5 watt and 28 500 rpm when hovering
- Self-lubricating bronze bearings
- Tempered steel propeller shafts
- Low noise Nylatron gears for 8.625 propeller reductor
- Micro ball bearing
- Rare earth magnets
- Emergency stop controlled by software
- Fully reprogrammable motor controller
- Water resistant motor's electronic controller

## ELECTRONIC ASSISTANCE

AR.Drone 2.0's on-board technology gives you precision control and automatic stabilization features.

- 1GHz 32 bit ARM Cortex A8 processor with 800MHz video DSP TMS320DMC64x
- 1Gbit DDR2 RAM at 200MHz
- Wi-Fi™ b/g/n
- 3 axis accelerometer +/- 50mg precision
- 3 axis gyroscope 2000°/second precision
- Pressure sensor +/- 10 Pa precision (80 cm / 2.6 feet at sea level)
- 60 fps vertical QVGA camera for ground speed measurement
- 3 axis magnetometer 6° precision
- Ultrasound sensors for ground altitude measurement
- Linux 2.6.32
- USB 2.0 high speed for extensions



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