Parrot

BLUEGRASS™ FIELDS

The end-to-end drone solution for agriculture



Parrot | BUSINESS SOLUTIONS



RUGGED, EASY-TO-FLY DRONE

PROVEN QUADCOPTER FOR AGRICULTURE

- Fully integrated quadcopter designed for both crop mapping and aerial scouting
- Fly high to cover large fields or low for a higher resolution
- Vertical take-off and landing ensures efficient operation, even in confined areas
- Three included batteries enable longer missions of 3 x 25 minutes
- Robust carbon-fiber structure suits the most demanding operations
- Intuitive Skycontroller 2 controller suits every pilot's needs



PARROT SEQUOIA MULTISPECTRAL SENSOR

MULTI-PURPOSE SENSORS FOR VISUAL SCOUTING AND CROP MAPPING

- 4 multispectral mono-bands, 1.2 MP, global shutter:
  - Green (550 nm ± 40 nm)
  - Red (660 nm ± 40 nm)
  - Red Edge (735 nm ± 10 nm)
  - Near infrared (790 nm ± 40 nm)
- Multispectral GSD of:
  - 0.9 cm/px at 10 m (0.35 in/px at 33 ft – single image)
  - 2.8 cm/px at 30 m (0.8 in/px at 100 ft)
  - 11.5 cm/px at 122 m (4.5 in/px at 400 ft)
- Front 14 MP RGB camera with 3-axis digital stabilisation for fast, effective live scouting of problem areas, including the capture of both photos and full HD quality video (1080p)



PARROTFIELDS MOBILE APP FOR AGRICULTURE

MAPPING AND SCOUTING MADE QUICK & SIMPLE[1]

- Perform fully automatic flights or fly manually over your crops
- Generate NDVI maps in real-time during the flight
- Compare NDVI maps to monitor the evolution of your crops on your mobile device
- Explore areas of interest via unique semi-automated scouting flights
- Capture photos and videos on-demand with the Parrot Skycontroller 2
- Add text annotations and shoot photos directly from the ground



ParrotFields

Download on the App Store

IN-DEPTH CROP ANALYSIS

FULL ACCESS TO PIX4DFIELDS DRONE MAPPING SOFTWARE FOR AGRICULTURE[1]

- Identify in-field variability faster with the new instant processing engine
- Generate predefined or custom index maps for detailed crop performance analysis
- Visualize and understand crop trends by comparing different data layers side by side
- Create comprehensive zonation and prescription maps for more precise fertilizer applications
- Import or draw field boundaries and annotate the crop 'focus areas' for a more in-depth inspection
- Export prescription maps to your tractor or FMIS for seamless integration into existing agriculture workflows



"Processing speed coupled with great analytics, creates a product that brings true value to the customers. No other software can achieve this level of efficiency."

Nicholaus Helwig, Owner Pinpoint Aerial Solutions

Pix4Dfields

1. Parrot Bluegrass Fields includes a one-year subscription to both the ParrotFields mobile app and Pix4Dfields software (desktop & cloud)



TECHNICAL SPECIFICATIONS

DRONE

PARROT BLUEGRASS

General
- Weight: 1850 g / 4 lb
- Size: 355 mm x 407 mm x 140 mm
  14 in x 16 in x 5.5 in
- Removable propellers for transport

Wi-fi and transmissions
- Range: up to 2 km / 1.24 mi with Parrot skycontroller 2, in an unobstructed area free of interferences
- Wifi ac-type, 2 bi-band antennas (2,4 and 5Ghz)

High capacity battery
- Battery life : 25 mins
- 6700 mah lipo battery

Sensors
- Built-in gps + glonass
- Inertial navigation system
- Altimeter
- Ultrasound
- Optical flow vertical camera

INTEGRATED SENSORS

FRONT CAMERA
- Photo: 14MP wide angle camera
- Video: 1080p Full HD
- Video streaming: 360p / 720p
- Internal video memory: 32GB

PARROT SEQUOIA

General charateristics
- Dimensions: 59x41x28mm (2.3x1.6x1.1in)
- Weight: 72 g (2.5 oz)
- Photo mode: Up to 1 fps
- Internal storage: 64 GB built-in storage
- Inertial measurement unit & magnetometer
- Power: 5 W (~12 W peak)

4 global shutter single-band cameras
- Resolution: 1.2 mpx, 1280x960 pixels
- HFOV: 61.9°
- VFOV: 48.5°
- DFOV: 73.7°

4 separate bands
- Green: 550nm +/- 40nm
- Red: 660nm +/- 40nm
- Red edge: 735nm +/- 10nm
- Near infrared: 790nm +/- 40nm

RGB camera
- Resolution: 16 mp, 4608x3456 pixels
- HFOV: 63.9°
- VFOV: 50.1°
- DFOV: 73.5°

Sunshine sensor
- Dimensions: 47x39.6x18.5mm (1.8x1.5x0.7in)
- Weight: 35 g (1.2 oz)
- 4 spectral sensors (same filters as body)
- GPS
- Inertial measurement unit & magnetometer
- SD card slot
- Power: 1 w



PACK CONTENT

1 Parrot Bluegrass drone
1 Parrot Sequoia multispectral sensor
3 Batteries in total (3 x 25 minutes flight time)
1 Battery charger
1 Backpack
1 Parrot Skycontroller 2
1 Controller charger
4 additionnal propeller blades
1 USB-A cable

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ParrotFields

Compatible with
iPad Pro



Pix4Dfields

Compatible with
MacOS High Sierra
Windows 10

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