Datasheet

Parrot SEQUOIA

Sequoia: the multi-band sensor designed for agriculture

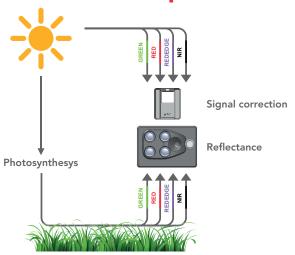
Featuring excellent precision, flexible integration, and small size and weight, the Sequoia sensor is designed to fit all types of drones*: fixed wing and multi-rotor drones, with or without gimbals.



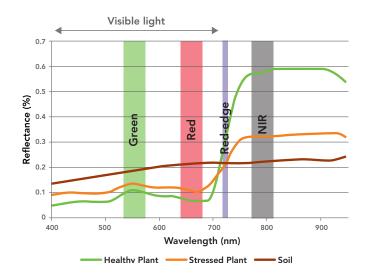
Key Features

- Multispectral camera for agriculture
- Self-calibrated using the Sunshine sensor
- RGB camera 16 Mpx for scouting
- High photo rate (1 picture per second)
- Independent from the drone
- Standard protocol (PTP) for communication with drones
- USB powered

Concept



Green Vegetation Reflectance



* See the list on www.parrot.com

General Specification



Body

- 4 spectral cameras 1.2 Mpx 10 bits Global shutter
- Up to 1 FPS
- RGB Camera 16 Mpx Rolling shutter
- Configuration over Wi-Fi
- IMU + Magnetometer
- 64 GB
- 5W (~12W peak)
- 72g

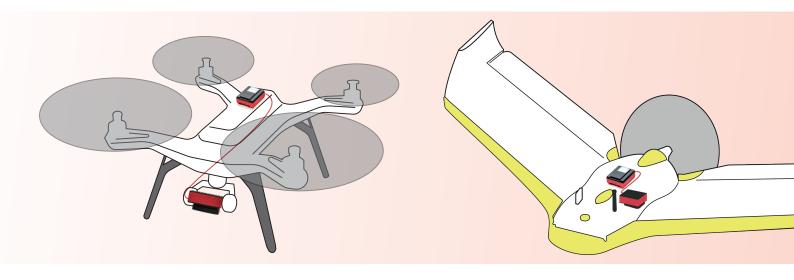


Sunshine sensor

- 4 spectral sensors with the same filters as the body
- GPS
- IMU + Magnetometer
- SD Card
- 1W
- 35g



Fits on various drones



Sensitivity Sunshine sensor **Body** 0.9 0.9 0.8 0.8 0.7 0.7 0.6 0.6 0.4 0.4 0.3 0.3 0.2 0.2 0.1 0.1 550 450 550 650 750 850 950 1150 450 350 1050 350 750 850 1050 1150 **-** 550 **---** 660 **-**- 735 -

Form Factor



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