Parrot
SEQUOIA
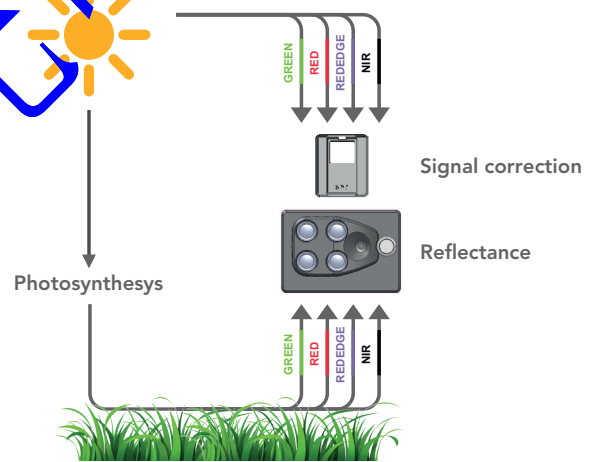
Sequoia: the multi-band sensor designed for agriculture

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.
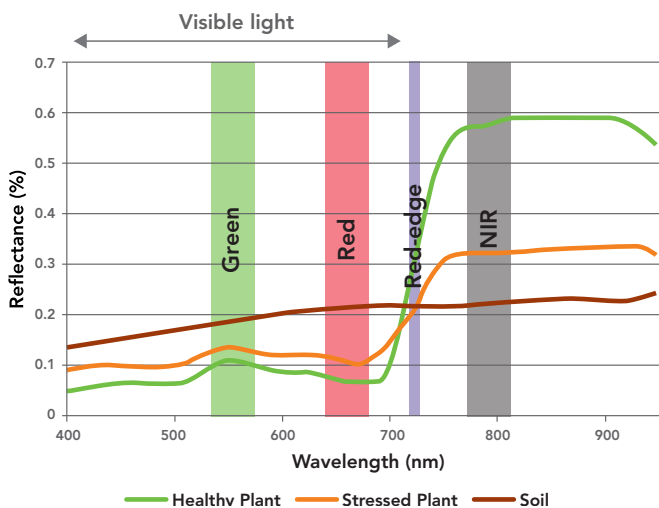
Key Features

- 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
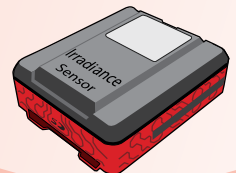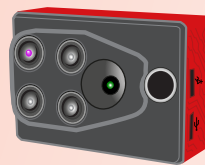- Standard protocol (PTP) for communication with drones
- USB powered

Concept

Signal correction

Reflectance

Photosynthesys

GREEN RED REDEDGE NIR

Green Vegetation Reflectance

Visible light

Reflectance (%) vs Wavelength (nm)

Green | Red | Red-edge | NIR

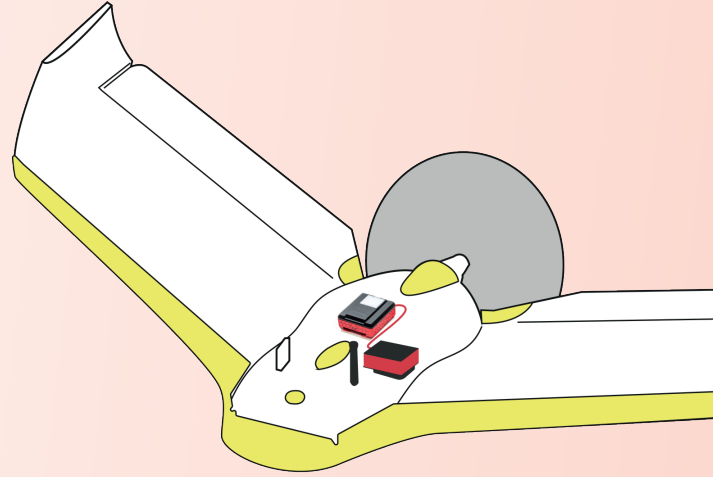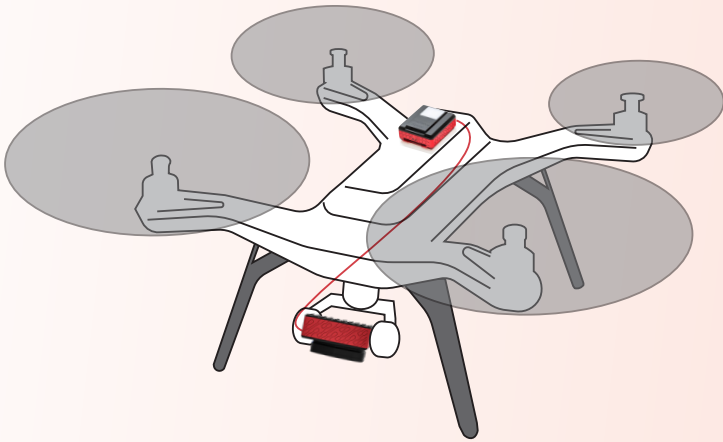— Healthy Plant — Stressed Plant — Soil

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
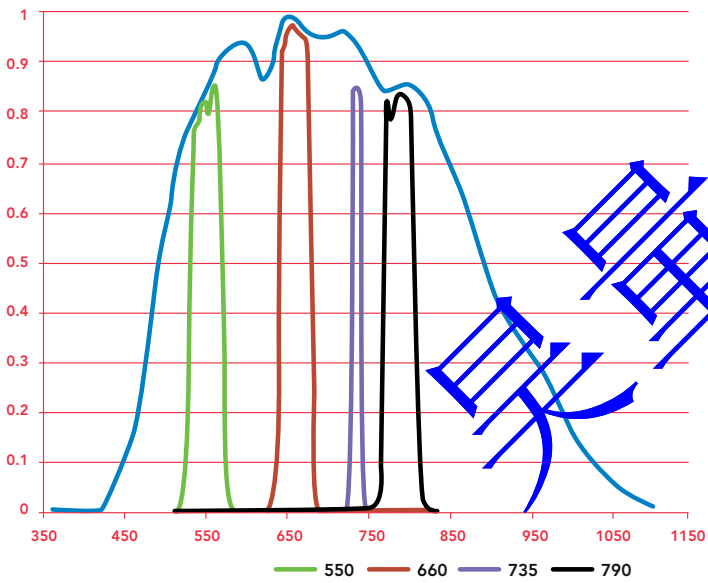- 64 GB
- 5W (~12W peak)
- 72g

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

* See the list on **www.parrot.com**
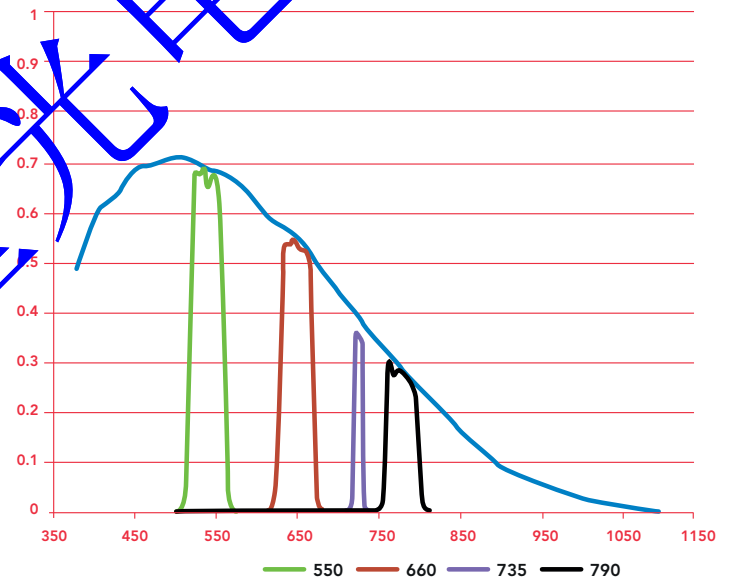
Fits on various drones

Sensitivity

Sunshine sensor

— 550	— 660	— 735	— 790

Body

— 550	— 660	— 735	— 790

Form Factor

41 mm
59 mm

Irradiance Sensor
47 mm
39,6 mm

18,5 mm

21,2 mm
29,5 mm