Getting you from drone to action
Quality global support
senseFly drones include free software updates & efficient online support linked to local expert repair centres. Further maintenance packages & extended warranty options are also available.

eMotion excellence
senseFly’s eMotion is the most advanced flight planning & control software around. Built with safety in mind, it makes planning, simulation & monitoring automatic drone flights simple.

Education included
senseFly’s sales staff are experts in their fields, plus senseFly customers gain free access to a wealth of educational materials, including a full online Knowledge Base, tutorials, webinars & more.

Intelligent integration
senseFly drones are ready to fly out of the box. Lightweight, safe & durable, these fully-integrated systems are powered by a single battery and managed by our aviation-quality autopilot.

More precise
The eBee SQ’s precise, calibrated multispectral imagery provides reliable insights into the real health of your crops.

Larger coverage
The eBee SQ can cover hundreds of acres in a single flight for extremely efficient crop monitoring and analysis.

Workflow compatible
The eBee SQ is compatible with your existing FMIS, ag machinery and workflow. There is no need to reinvent how you work.

Affordable
The eBee SQ is available at a low, value-packed price that fits your farm or agronomy business’ budget.

Why senseFly

4 reasons to choose the eBee SQ
More precise **crop data**

The eBee SQ is built around Parrot’s ground-breaking Sequoia camera. This fully-integrated and highly precise multispectral sensor captures data across four spectral bands, plus visible RGB imagery—in just one flight.

- Highly precise
- 4 multispectral bands
- + RGB data
- In 1 flight

With this precise data you can generate accurate index maps and use these to create high quality prescriptions—carefully optimising crop treatments to improve production quality, boost yields & reduce costs.

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**Ewald Kappes Ph.D., Trialing Expert Indications, Biological Assessment EAME, Syngenta**

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Larger coverage for **greater efficiency**

The eBee SQ can cover hundreds of acres in a single flight—up to 10 times more ground than quadcopter drones—for extremely efficient crop monitoring and analysis. This means fewer flights in total, for less time spent collecting data and more time acting on it.

- Larger coverage
- Fewer flights
- Less time collecting data
- More time acting on it
Thanks to its farming-focused eMotion Ag software, the eBee SQ is compatible with your existing FMIS and ag machinery - there is no need to reinvent how you work.

Monitor crops and gather data all year long.
Technical specifications

HARDWARE
- Wingspan: 1.10 cm (43.3 in)
- Weight: 1.1 kg (2.42 lb)
- Motor: Low-noise, brushless, electric
- Ground modem: 2.4 GHz USB
- Radio link range: 3 km nominal (up to 8 km²) / 1.86 mi (up to 4.97 mi²)
- Detachable wings: Yes
- Sensor (supplied): Parrot Sequoia
- Accessories (optional): Radio tracker, backpack, camera protection kit

SOFTWARE
- Flight planning & control software (supplied): eMotion Ag
- Image processing software (optional): Pix4Dmapper Pro/Ag, MicaSense Atlas

OPERATION
- Automatic 3D flight planning: Yes
- Cruise speed: 40-110 km/h (111-30 m/s or 25-68 mph)
- Wind resistance: Up to 45 km/h (12m/s or 28 mph)
- Maximum flight time: 55 minutes
- Automatic landing: Linear landing with ~ 5 m (16.4 ft) accuracy
- Ground control points (GCPs): Optional
- Hand launch (no catapult required): Yes

RESULTS
- Nominal coverage at 120 m (400 ft)
  - 200 ha (~500 ac)
  - GSD multispectral: 12 cm/px (4.72 in/px)
  - GSD RGB: 3.1 cm/px (1.22 in/px)

- Maximum coverage at 2,000 m (6,500 ft)
  - 3,000 ha (~7,400 ac)
  - GSD multispectral: 2 m/px (6.56 ft/px)
  - GSD RGB: 55 cm/px (21.65 in/px)

SEQUOIA
- In ideal conditions
- Optional in Turkey
- Flight height above ground level; results excl. reconstructible zone around planned area
- Flight altitude above ground level; results incl. reconstructible zone around planned area

Main body
- Four 1.2 MP spectral cameras
- Up to 1 fps
- One 16 MP RGB camera w/rolling shutter
- 64 GB built-in storage
- IMU & magnetometer
- 5 W (~12 W peak)
- 72 g (2.5 oz)

Sunshine sensor
- 4 spectral sensors (same filters as body)
- GPS
- IMU & magnetometer
- SD card
- 1 W
- 35 g (1.2 oz)