

Hardware Datasheet

eBee Geo

Wingspan	116 cm (45.7 in)
Material	Expanded Polypropylene (EPP)
Underbody skin	Curv® Polypropylene thermoplastic composite
Weight (Empty)	0.8 kg
Max Take-off weight	1.3 kg
Backpack dimensions	75 x 50 x 29 cm (29.5 x 19.7 x 11.4 in)
Motor	Low-noise, brushless, electric
Detachable wings	Yes
Empty backpack weight	4.6 kg

Coverage & accuracy

Max. nominal coverage at 122 m (400 ft)	160 ha (395 ac)
Ground sampling distance at 122 m (400 ft)	2.8 cm/px (1.1 in/px)
Lowest ground sampling distance (47m)	1.1 cm/px (0.4 in/px)
Absolute X, Y, Z accuracy (RTK activated)	2.5 cm (1 in)

High Precision

Upgradable on demand	Yes
RTK	Virtual Base Station, Base Station Unknown point, Base Station Known point
GNSS	GPS+GLONASS

Flight performance

Cruise speed	40-110 km/h (11-30 m/s or 25-68 mph)
Max wind resistance	Up to 46 km/h (12.8 m/s or 28.6 mph)
Landing type	Automatic linear landing (5 m/16.4 ft accuracy in 20° angle cone)
Service temperature	-15° to 40°C *
Humidity	Light rain resistance
Ground avoidance	Yes - LiDAR (range 120m)

*Working above 35°C/ 95°F requires to protect the drone from the sun while on the ground

Maintenance and service

Spare Parts Available	Pitot Tubes, Wings, Propellers and vertical surfaces
Modular Repair	Auto Pilot Stack, Upper Body and Lower Body
Service	Every 100 flight hours

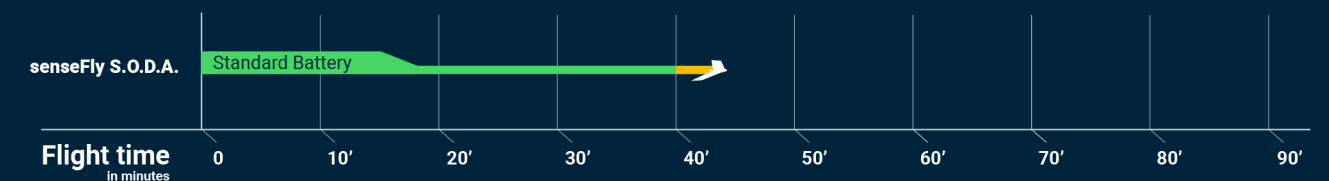
Battery

Power	3700 mAh
Voltage	15.2V
Number of cells	4 Cell
Type	LiHV
Energy	56.24Wh
Weight	330g

Radio Link

Certification	CE or FCC
Range	3 km nominal (up to 8 km) / 1.9 mi (up to 5 mi)
Frequency	2.400 - 2.4835 GHz
Encryption AES 254	Available
EIRP	CE/JP 20.0 dBm max FCC 22.5 dBm max

How long can you fly with your eBee Geo?



Automatic safe return when the battery is low

Mission

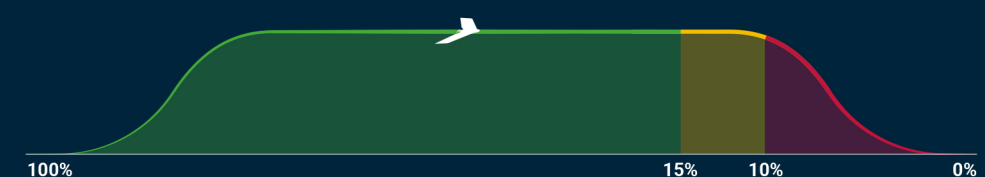
The drone is performing its mission and capturing images.

Low endurance

15% and below is enough to return Home and land.

Low battery

Below 10%, it is no longer possible to continue the mission. The drone returns home to land.



The above figures represent optimal flight conditions. It is not representative of all flight times and will vary depending on flight conditions. Also note that the condition of the pitot tube can influence flight time.