



eBee drone

The senseFly's eBee is a fully autonomous and easy-to-use mapping drone. Use it to capture high-resolution aerial photos you can transform into accurate orthomosaics (maps) & 3D models. The eBee package contains all you need to start mapping: RGB camera, batteries, radio modem and eMotion software.

Key Features

- Automatic piloting and landing
- Ultra-portable fixed-wing with a carry case
- Hand launch

Possible Applications

- Collaborative navigation of aerial and land robots
 - Search and rescue missions
 - Precise mapping and 3D model creation
 - Agriculture
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Access information

Corresponding infrastructure	École Polytechnique Fédérale de Lausanne Laboratory of Intelligent Systems
Location	Route Cantonale, 1015 Lausanne, Switzerland
Unit of access	Working day

Technical specifications

Landing	Automatic, linear with ~5 m accuracy
Wingspan	96cm
Weight (incl. supplied camera & battery)	Approx. 0.69 kg
Radio link range	3 km nominal (up to 8 km)
Cameras (supplied)	senseFly S.O.D.A. (1" 20Mpix sensor)
Cruise speed	40-90 km/h (11-25 m/s)
Max. flight time	50 minutes
Wind resistance	Up to 45 km/h (12 m/s)
Max. flight range	33 km



Additional information

<https://www.sensefly.com/drone/ebec-mapping-drone/>