



## 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.

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### 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

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

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## Technical specifications

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



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## Additional information

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