



**CREATE  
YOUR OWN  
AERIAL MAPS**

On-demand  
High-resolution  
Fully autonomous  
[www.sensefly.com](http://www.sensefly.com)



**01**

**Choose  
the UAV for  
your application**

senseFly's ultra-lightweight UAVs are made out of flexible foam and include a high resolution camera. Discover which drone best suits your application.

**02**

**Conduct  
your  
mission**

All our UAVs are fully autonomous and ready-to-fly straight out of the box, allowing for hassle-free mission planning and easy operation within minutes.

**03**

**Create  
maps and  
3D models**

Rapidly create geo-referenced orthomosaics and 3D models directly from the collected images using our Postflight software.

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## Carry-on luggage size

The eBee has a modular design, allowing the wings to be disassembled and stored with the central body and all its accessories in a small case. In fact the case is so small and lightweight that you can even take it as cabin baggage\*. The eBee will accompany you on all your projects.

\*IATA guidelines

## Very easy to use

The eBee is lightweight enough to be launched by hand. It is fully autonomous during its entire flight. When it comes to landing, the eBee can either land in a circular clearing or, when space is limited, use its advanced ground sensing technology to make a fully autonomous straight-line landing.

The included eMotion 2 software lets you plan, simulate, monitor and control the trajectory of the eBee both before and during flight. With simple drag&drop actions you can designate the area to be mapped, generate a flight plan and with a single mouse click you can update your mission or return the eBee to its starting location.

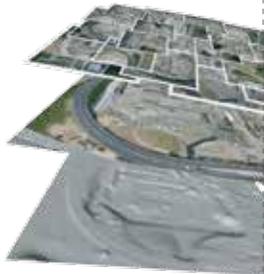
## 3D processing

With its 16MP high resolution camera, the eBee can capture images with a ground resolution of 3 to 30cm per pixel. Areas from 1.5 to 10km<sup>2</sup> can be mapped in a single flight depending on image resolution and flight altitude.

The eBee package includes Postflight Terra 3D (a fully automated 3D processing desktop software powered by Pix4D). After the initial data check in the field (overlap control and low resolution orthomosaic), Terra 3D automatically creates a precise geo-referenced orthomosaic and digital elevation model (DEM). Advanced users can further optimize their models through operator defined ground control points and seamlines.

Take your own aerial photos and produce precise orthomosaics and 3D models

- Surveying
- Mining
- Urban & Regional Planning
- Infrastructure Management
- Emergency and Disaster Management



96cm wingspan  
630g take-off weight  
16MP camera, electronically integrated and controlled  
Lithium polymer battery  
45 minutes of flight time  
36-57km/h (10-16m/s) cruise speed  
Up to 45km/h (12m/s) wind resistance

Up to 3km radio link  
Covers up to 1.5-10km<sup>2</sup> eMotion 2  
Ground sensor and reverse engine technology for linear landing  
Postflight Terra 3D\*  
\*powered by Pix4D

- Very light:** Inherently harmless, easy take-off and landing
- Optimized aerodynamic profile:** Maximum flight stability and endurance
- Detachable wings:** Replaceable, very small packaging
- Carry-on sized case (IATA guidelines):** Easy to transport, all in one box
- Hand-launched:** No additional equipment needed
- Intuitive planning, monitoring & control software:** Very easy to operate, minimal training required
- Artificial Intelligence:** Takes off, flies and lands autonomously. No piloting skills needed
- Automatic safety/emergency procedures:** Including wing detection, complete initial sensor check and in-flight hold&return button
- Electric powered:** Low noise level, no pollution
- Onboard data logging:** Easy image post-processing, direct interface to Terra 3D
- Rapid data check & full 3D processing:** Automated processing of precise geo-referenced orthomosaics and 3D models. Quick data check in the field