

senseFly Launches eBee X Fixed-wing Drone



[senseFly](#), a leading provider of fixed-wing drone solutions, has introduced its newest mapping tool, the [eBee X](#). Launched with the promise that “it’s not about the drone” but instead about overcoming business challenges, the eBee X is designed to boost the quality, efficiency and safety of an operator’s geospatial data collection. It offers a camera to suit every job, the accuracy and coverage capabilities to

meet the requirements of the most demanding projects, and is durable enough to work at virtually every site.

The eBee X is a giant leap forward for mapping technology and underscores senseFly’s position as the leader in the fixed-wing drone market, according to Gilles Labossière, the executive vice president and COO of Parrot Group, and senseFly CEO. No matter what type of project a professional is undertaking, the eBee X has the coverage, data and accuracy capabilities needed to get the job done, he added.

Wide range of camera options

The eBee X includes a range of new camera options to suit every mapping job including land surveying, topographic mapping, urban planning, crop mapping, thermal mapping, environmental monitoring and more. These cameras include:

- The senseFly S.O.D.A. 3D: a drone photogrammetry camera with a one-inch sensor, which changes orientation during flight to capture three images (two oblique, one nadir) every time, instead of just one, for a much wider field of view. It is also optimised for quick, robust image processing with Pix4Dmapper software.
- The senseFly Aeria X: a compact drone photogrammetry camera with an APS-C sensor. This offers an impressive blend of size, weight and DSLR-like image quality. Thanks in part to its built-in Smart Exposure technology, it provides high quality image detail and clarity, in virtually all light conditions, allowing operators to map for more hours per day than ever before.
- The senseFly Duet T: a dual-camera thermal mapping rig, which lets mapping professionals create geo-accurate thermal maps and digital surface models quickly and easily. It includes both a high-resolution (640 x 512px) thermal infrared camera and a senseFly S.O.D.A. RGB camera with one-inch sensor. Both image sources can be accessed as required, while the rig’s built-in Camera Position Synchronisation feature works in sync with Pix4Dmapper photogrammetry software (optional) to simplify the map reconstruction process.



The senseFly S.O.D.A. 3D drone photogrammetry camera changes orientation during flight to capture three images (2 oblique, 1 nadir) every time.

The eBee X is also compatible with the Parrot Sequoia+ multispectral camera for agriculture, the senseFly S.O.D.A. drone photogrammetry camera and senseFly Corridor for simple linear mapping.

The eBee X’s Endurance Extension option unlocks a flight time of up to 90 minutes (Default is 59 mins). With this capability activated, the drone is able to achieve vast single-flight coverage of up to 500ha (1,235ac) at 122m (400ft), while the eBee X’s built-in High-Precision on Demand (RTK/PPK) function helps operators to achieve absolute accuracy of down to 3cm (1.2in) without ground control points.

The eBee X allows users to work virtually every site, thanks to the drone’s built-in Steep Landing technology, robust design, live air traffic data and more, all backed by senseFly’s professional, localised support. The eBee X is supplied with senseFly’s eMotion flight planning and data management software. Pix4D is available for purchase immediately from authorised senseFly distributors ([listed here](#)).

To learn more, watch the eBee X video below.



<https://www.gim-international.com/content/news/sensefly-launches-ebec-x-fixed-wing-drone>
