

eBee X

Lightweight mapping drone for large coverage and sharp data

NDAA-compliant drone for professional mapping operations and advanced missions, such as flying safely over people.



Easy to transport

3.6 lbs / 1.6 kg

Max. takeoff weight

Fly longer

90 min

Flight time*

Map more

1,235 ac / 500 ha

Max. coverage**

Absolute accuracy down to

0.6 in / 1.5 cm

GSD

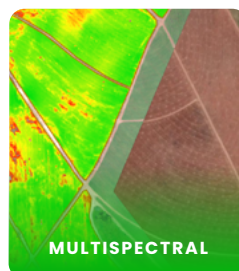
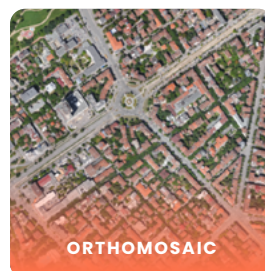
RTK / PPK 	Flight management software 	Certified operator online training 
Backpack 	Endurance extension*** 	Endurance batteries 
Smart battery charger 	USB ground modem 	Spare propellers and pitot kit 

Included with your eBee drone

*Up to 90 minutes flight time with endurance battery and S.O.D.A. camera. **Coverage with endurance battery and S.O.D.A. 3D camera. ***Subject to export regulations

From images to insights

The eBee X allows you to get precise photogrammetric outputs, empowering informed decision-making in surveying, urban mapping, agriculture, construction, public safety, mining, utilities and environmental monitoring.



.tiff

.png

.kml

.shp

.obj

.las

.laz

.ply

.ascii

.dxf

Modular, portable and easy-to-use

The eBee X's modular and compact design enables easy replacements and convenient field repairs, meaning less downtime for your operations.



Streamline your operations with eMotion flight planning software

eMotion combines beginner-friendly and advanced features to handle any job.

- 3D flight planning
- Preset or custom mission blocks
- Automated flight and landing
- Offline mission planning
- Multi-drone capable
- Geo-awareness and safety features



Designed for durability

The Curv® polypropylene thermoplastic composite protects the components of the drone, ensuring its durability even after repeated belly landings.



3D, RGB, thermal and multispectral cameras

eBee X is compatible with a wide range of interchangeable cameras that capture reliable aerial imagery to suit every mapping job.



S.O.D.A. 3D
Oblique RGB for 3D mapping.



Duet M
Multispectral and RGB dual camera.



Aeria X
24 MP RGB APS-C for precision mapping.



S.O.D.A.
Compact 20 MP RGB camera.



Corridor
Portrait-oriented RGB for linear mapping.

Drone specifications

Wingspan	45.7 in / 116 cm
Material	Expanded Polypropylene (EPP)
Underbody skin	Curv® Polypropylene thermoplastic composite
Max. take-off weight	3.5 lbs / 1.6 kg
Backpack dimension	75x50x29 cm / 30x20x11 in
Motor	Low-noise, brushless, electric
Detachable wing	Yes
Radio link range	1.9 mi (up to 5 mi) 3 km nominal (up to 8 km)
Frequency	2.400 - 2.4835 GHz
Data storage	SD card

Flight performance

Cruise speed	11-30 m/s or 25-68 mph (40-110 km/h)
Max. wind resistance	Up to 12.8 m/s or 28.6 mph (46 km/h)
Landing type	Automatic linear landing (16.4 ft / 5 m accuracy in 35° angle cone)
Service temperature*	5° to 104°F (-15° to 40°C)
Humidity	Light rain resistance
Ground avoidance	Yes - LiDAR (range 394 ft / 120 m)
Ground resolution	Down to 0.6 in / 1.5 cm
Max. flight time	90 minutes
Coverage at 400 ft / 120 m	543 ac to 1,235 ac / 2,2 km² to 5 km² / 220 ha to 500 ha
Linear coverage	Up to 17.2 mi / 27.7 km out and back

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