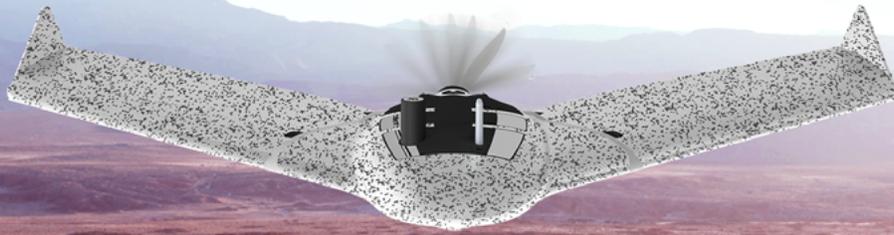




eBee TAC™



Light weight
3.5 lbs



Deployment in
3 minutes



Up to 90 minutes
flight time



Up to 1,235 ac
mission coverage
at 400 ft altitude



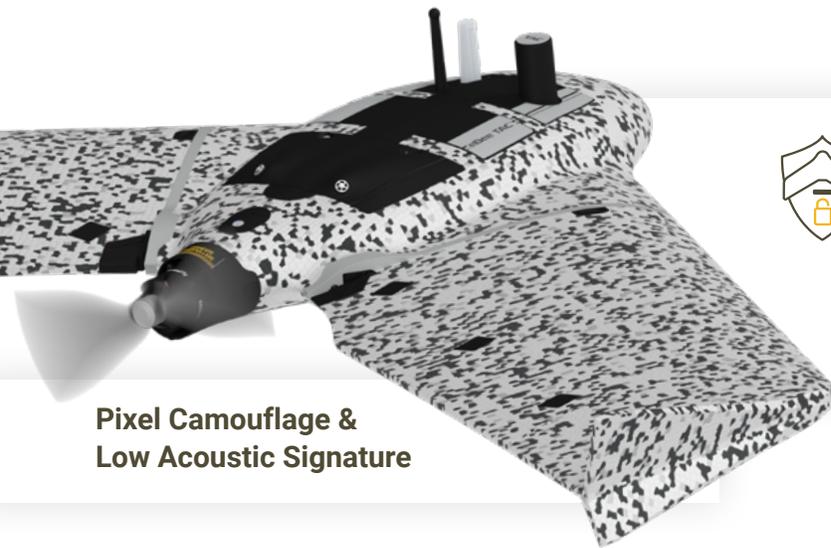
Silent radio
mission



3D modeling, terrain
& thermal mapping

High Accuracy Tactical Mapping Solution

eBee TAC operates in disconnected environments to provide a higher-accuracy mobile solution to map and share imagery data on rapidly-shifting environments in order to analyze and act with precision. This is a Swiss made portable solution that can be transported and maintained without requiring external support.



Pixel Camouflage & Low Acoustic Signature



Validated as Cyber-Secure

- Radio Data Link Encryption AES-256
- Drone Log File Suppression
- Silent Radio Mission
- Data and Communication Control
- Encrypted SD Card

eMotion Flight Planning Software

Easy-to-use, eMotion helps you get your drone in the air quickly while including all the functionality you need to collect and manage exactly the geospatial data you require.

- Offline flight planning
- Multidrone capable
- 3D flight planning
- Automated mission block



Data generated

With its **mission directed swappable sensor suite**, eBee TAC allows you to collect data that can be immediately used via the SD card for analysis and decision making.

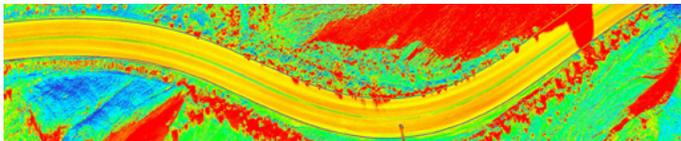
Detailed 3D models



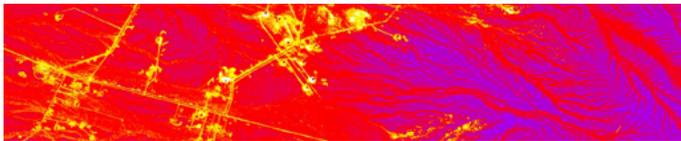
Orthomosaic high-resolution map



Terrain and surface model



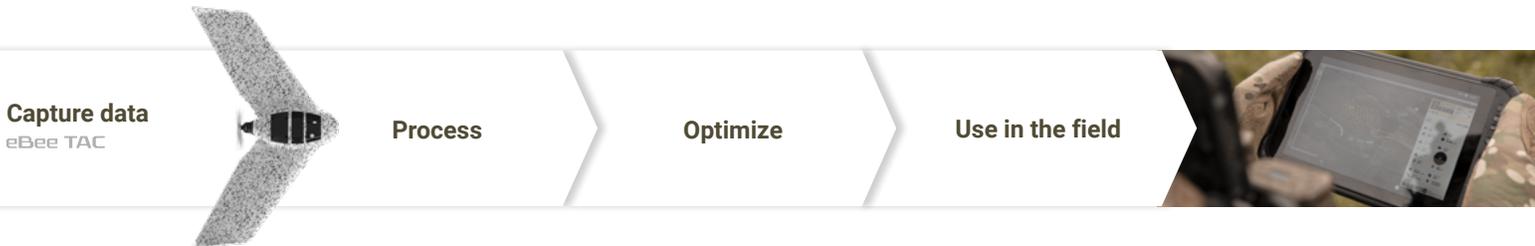
Thermal map



Application examples

- Generate intelligence
- Prepare operation
- VR simulation
- Update map
- Annotate map
- Line of sight estimation
- Survey job

Fully operational solution with the capability to integrate with situation awareness tools such as ATAK



Specifications

Wingspan	45.7 in (116 cm)	Motor	Low-noise, brushless, electric
Material	Expanded Polypropylene (EPP)	Detachable wing	Yes
Underbody skin	Curv® Polypropylene thermoplastic composite	Radio link range	1.9 mi (up to 5 mi) 3 km nominal (up to 8 km)
Max. take-off weight	3.5 lbs (1.6 kg)	Frequency	2.400 - 2.4835 GHz
Transport case dimension	29.5 x 20 x 13 in (75 x 51 x 33 cm)	Data storage	On-board encrypted 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	Linear landing with Steep Landing technology (16.4 ft / 5 m accuracy in 35° angle cone)
Service temperature	5° to 104°F (-15° to 40°C) Working above 95 °F / 35°C requires to protect the drone from the sun while on the ground
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
Mission coverage at 400 ft / 120 m	543 ac to 1,235 ac (2,2 km ² to 5 km ²)
Linear coverage	Up to 17.2 mi (27.7 km) out and back

