

eBee

VISION



Low acoustic signature



Low specular reflection

Real-time situational awareness UAS

Get HD live video insights into rapidly-changing environments, even in GNSS-denied conditions. Ensure the success of your Intelligence, Surveillance, and Reconnaissance (ISR) missions. eBee VISION can be easily carried, hand-launched and operated by a single pilot.

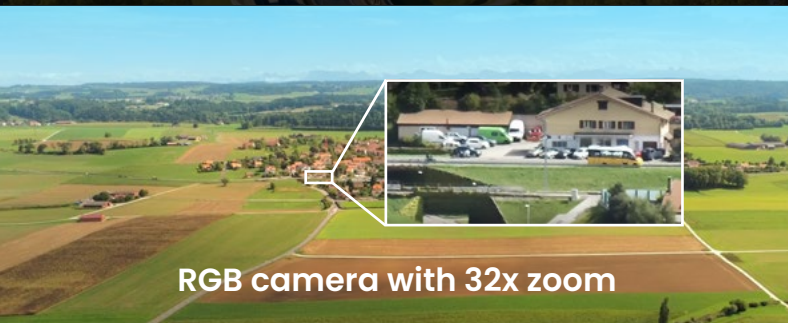
Light weight
3.5 lbs / 1.6 kg

Deployment
3 min

Flight time
Up to 90 min

Wireless range
Up to 12 mi / 20 km

Cyber-secure
AES-256 encryption



RGB camera with 32x zoom



Thermal camera with 5x zoom

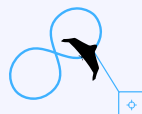
Detect, track and geo-locate

Simultaneously capture, view and record HD video and imagery.



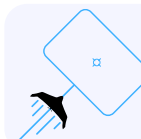
Flight plan

Define a flight plan and seamlessly adapt it during the flight.



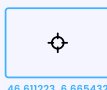
Observation mode

Maintain observation from a safe distance.



Scouting mode

Explore and track moving targets.



Cursor-on-Target

Locate targets using image coordinates.

46.611223, 6.665432



Manual flight

Control the drone for your specific flight maneuvers.

Drone specifications

Wingspan	47.2 in / 120 cm
Material	Expanded Polypropylene (EPP)
Weight	3.5 lbs / 1.6 kg
Transport case	Backpack and hardcase

Flight performance

Cruise speed	30 mph to 45 mph (48.6 km/h or 13.5 m/s to 72 km/h or 20 m/s)
Max speed	45 mph (72 km/h or 20 m/s)
Max wind resistance	38 mph (61 km/h or 17 m/s)
Max flight time	90 minutes
Service temperature	14°F, 120°F / -10°C, +49°C



Validated as
cyber-secure



Radio data link
encryption AES-256



Drone log file
suppression



Protected by
secure element



Encrypted
SD card

eBee VISION is NDAA-compliant

Remote controller specifications

Screen	7" sunlight viewable screen with rain mode and glove touch
Video	Continuous HD video feed from RGB and thermal sensors
Battery	5 hours battery life with warm-swap capability

RGB sensor specifications

Sensor	2 sensors 1/2.4"
Resolution	5344 x 4016
Focal length	4mm / 16mm
Field of view	72° - 45° / 21° - 12°
ISO range	100-3200
Zoom	1x - 4.8x / 4.9 - 32x digital
Video resolution	1920 x 1080
Video format	MP4 (H.264)

Thermal sensor specifications

Sensor	FLIR BOSON
Resolution	640 x 512
Focal length	18mm
Field of view	24° - 19°
ISO range	-
Zoom	5x digital
Video resolution	1280 x 720
Video format	MP4 (H.264)

eBee VISION system includes



GCS



Radio module with
short range antenna



Radio module
auxiliary battery



Radio module
auxiliary battery charger



2x Smart batteries



Smart charger



Backpack



Hardcase

SD card 64GB

USB drive 64GB

1x Spare propeller

1x Spare pitot