

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

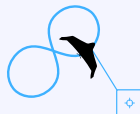
Detect, track and geo-locate

Simultaneously capture, view and record HD video and imagery.



Flight plan

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



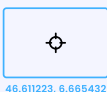
Observation mode

Maintain observation from a safe distance.



Scouting mode

Explore and track moving targets.



Cursor-on-Target

Locate targets using image coordinates.



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

