

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.

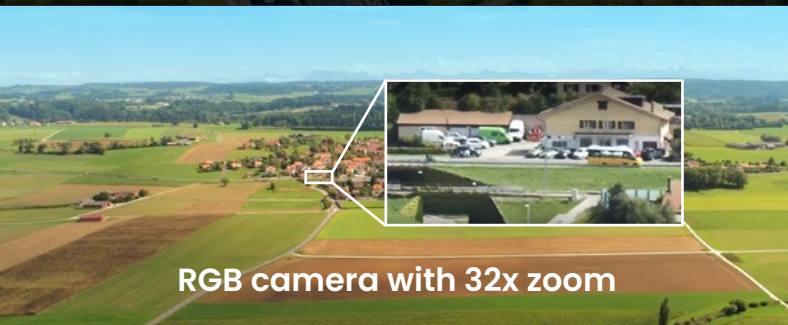
Light weight
3.5 lbs / 1.6 kg

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

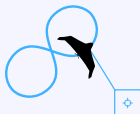
Detect, track and geo-locate

Simultaneously capture, view and record HD video and imagery.



Flight plan

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



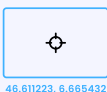
Observation mode

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



Silent radio mission



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

