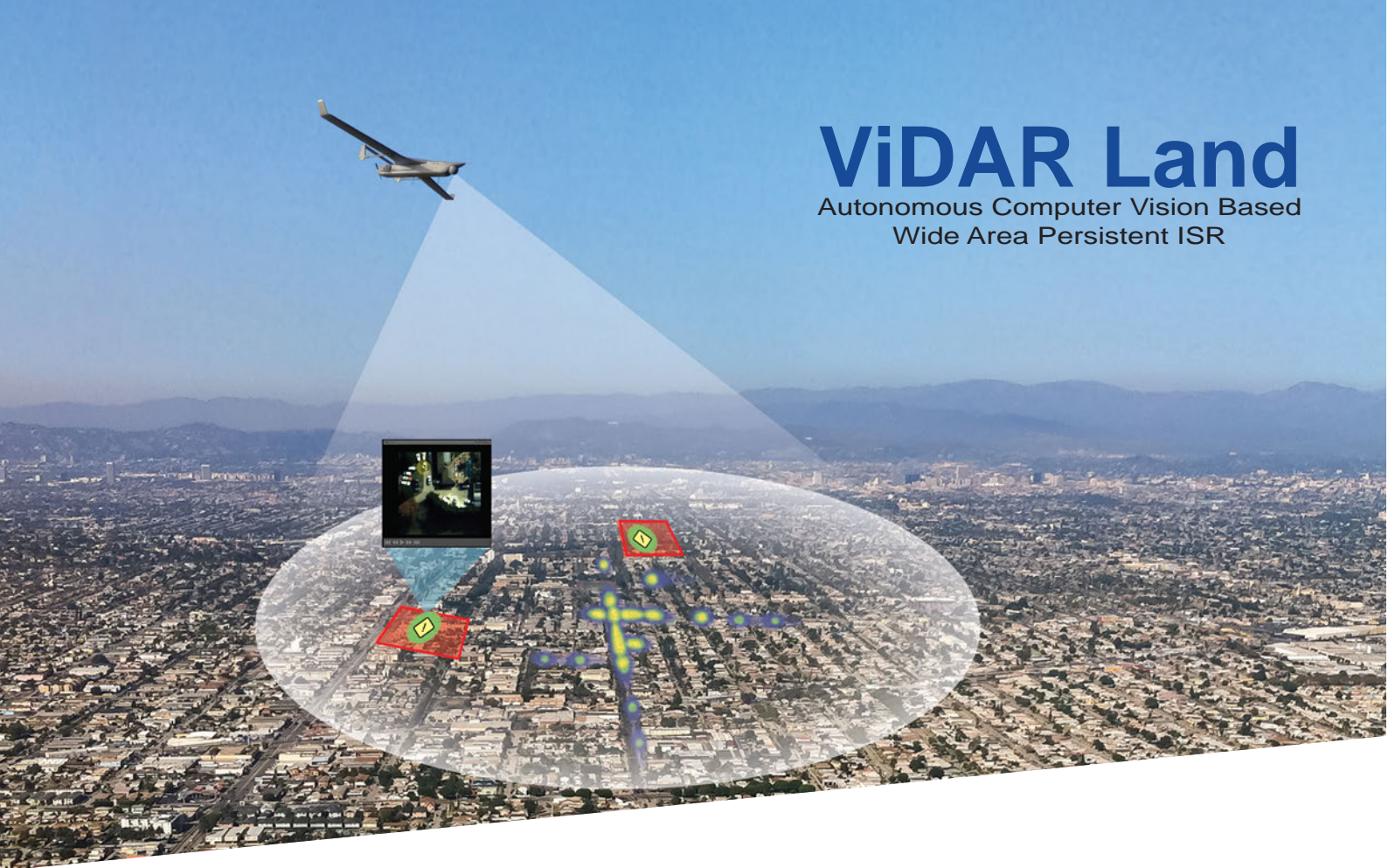


# ViDAR Land

Autonomous Computer Vision Based  
Wide Area Persistent ISR



## Detect, track and classify all moving objects over wide areas

ViDAR Land is an Artificial Intelligence (AI) enabled next generation Wide Area Motion Imagery (WAMI) system providing day (EO) and night (IR) persistent surveillance. It is capable of autonomously detecting, tracking, classifying, and filtering thousands of objects and assists the operator to focus on the targets of interest. This scalable and cost-effective solution is available in a range of self-contained pods and other flexible integration options. ViDAR Land is designed for real-time situational awareness and can be deployed on crewed and uncrewed fixed and rotary wing aircraft.

### Key Features:



**Autonomous:** Fully autonomous moving object detection, tracking and classification, providing detailed real time intelligence picture



**Intelligent:** User-friendly tactical interface that autonomously records, geo-tags and manages all moving objects within the sensor's field of view



**Customizable:** Mission profiles to reduce operator workload and increase situational awareness



**Passive:** Passive detection system emitting no signals enabling covert surveillance



**Virtual Turrets:** High-resolution virtual turrets allow operators to simultaneously monitor multiple objects



**Data sharing:** Real-time sharing of detected objects with multiple users, including on handheld devices



**Geo-Fencing:** Multiple geo-fenced areas of interest with autonomous context-sensitive intelligent alerts for moving objects



**Scalable:** Highly scalable system configurations enabling detection of people and vehicles on all platforms from small UAVs to large aircraft



**Low SWaP:** Low size, weight and power solutions available



**Flexible:** Integration options including self-contained pods, line-replaceable units (LRU) with airframe based cameras and fully contained UAV slices



**Forensic Analysis:** Detailed forensic history of mission and targets of interest

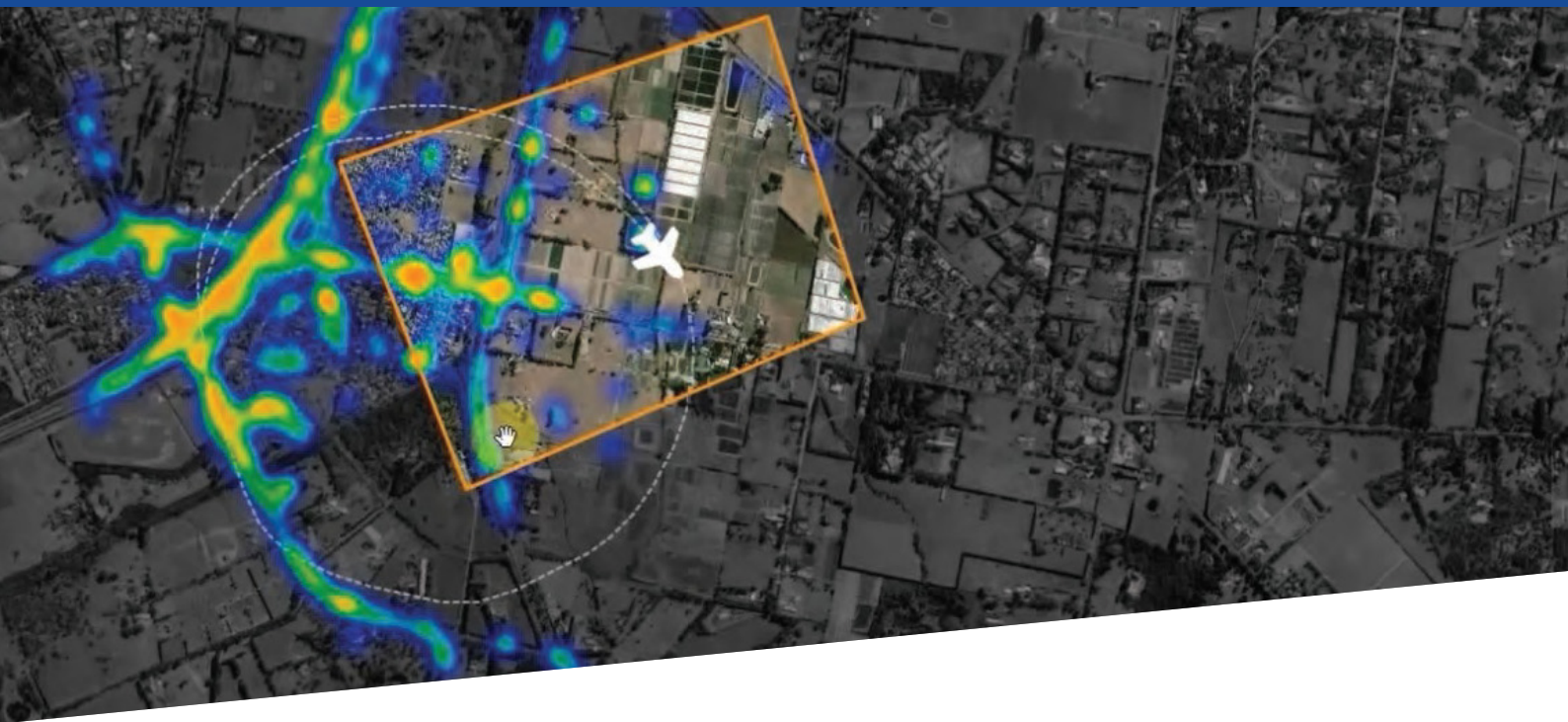


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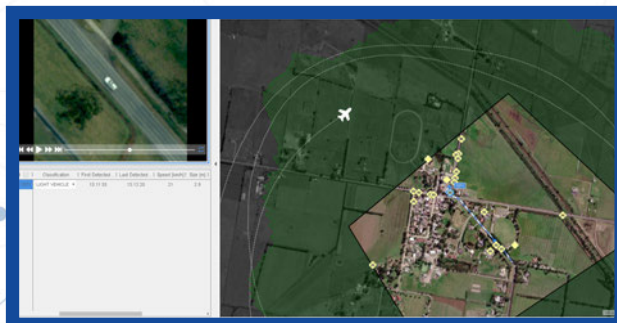


## Operations:

- Wide Area Surveillance and Reconnaissance
- Persistent Surveillance and Overwatch
- Route Reconnaissance
- Force Protection
- Border Security
- Law Enforcement
- Suspect Tracking
- Data-driven Policing
- Natural Disaster Response and Monitoring
- Wildlife and Forestry Management



Persistent Surveillance



Overwatch

### About Sentient Vision

Sentient develops and deploys computer vision technology with a focus on the development of automated detection software for EO/IR imagery. With over 3,500 systems deployed, Sentient's solutions enhance the performance of EO/IR operations for many agencies and forces worldwide.



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