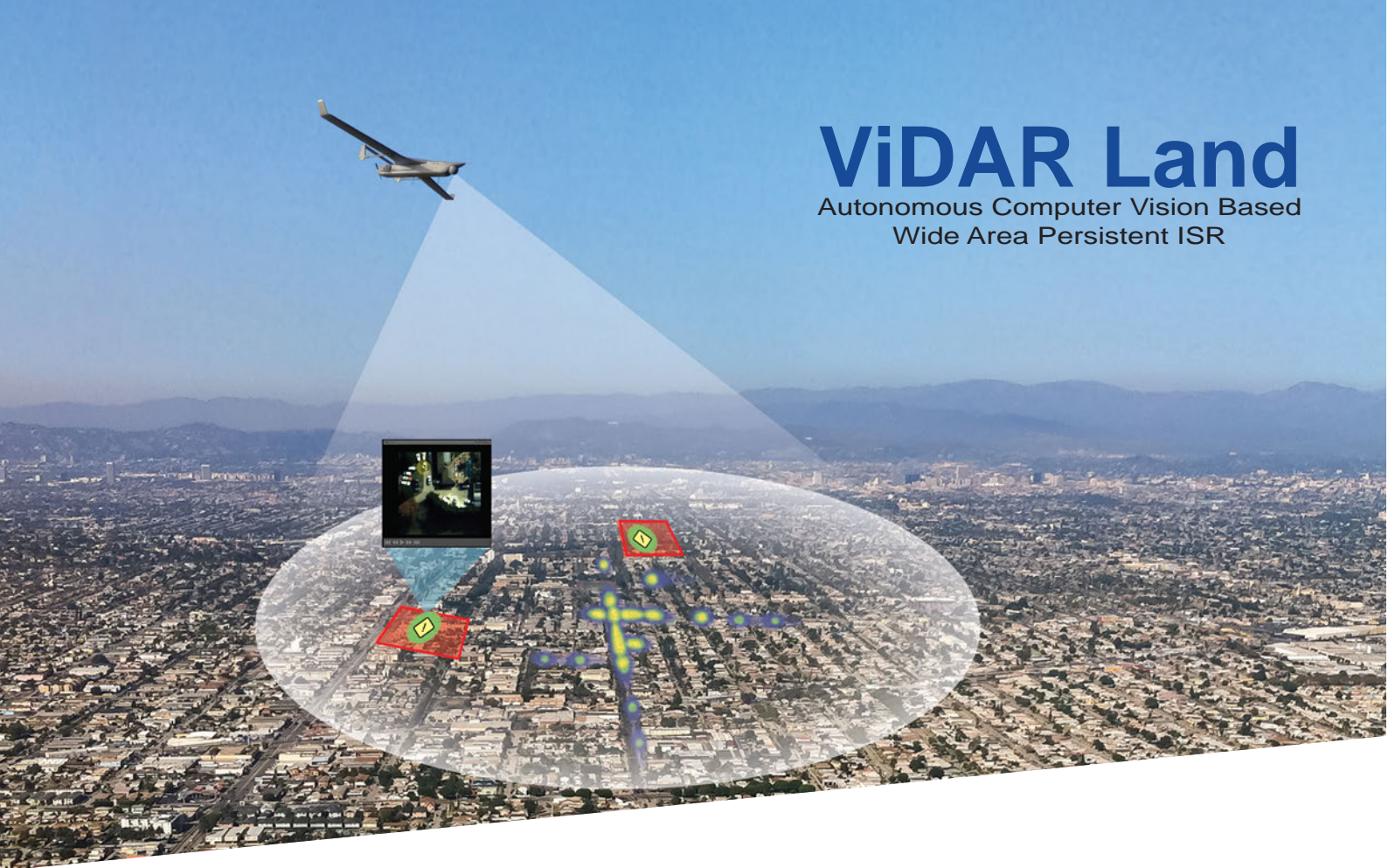


ViDAR Land

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

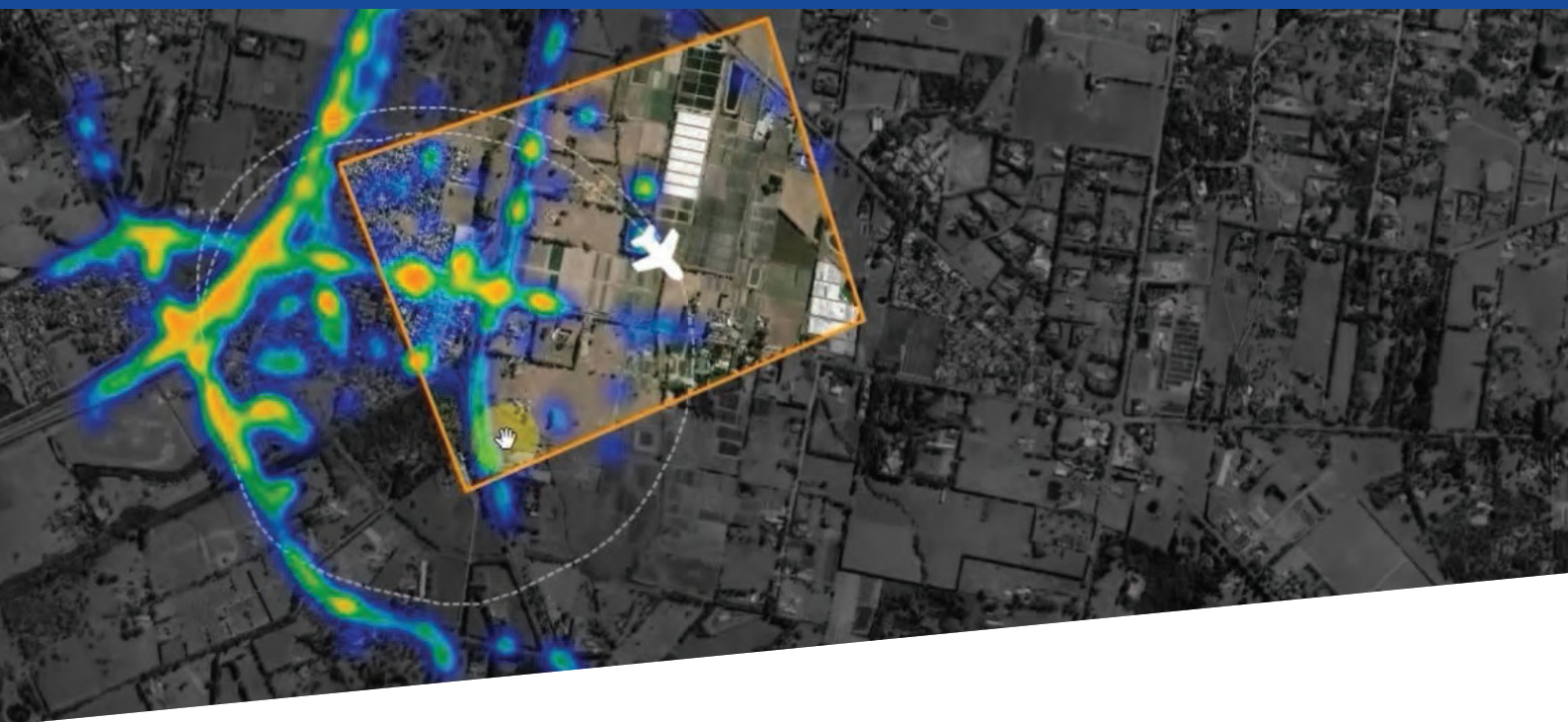


sentientvision.com



sales@sentientvision.com

SENTIENT

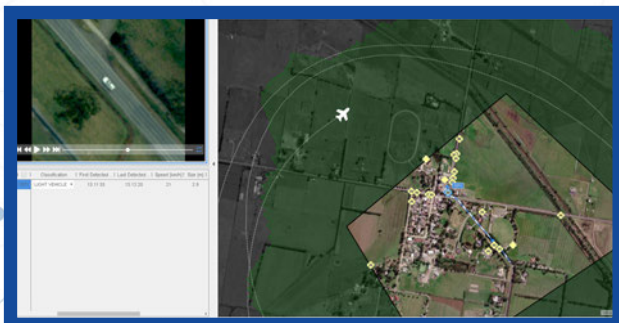


Operations:

- 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.



US +1 703 531 8564 | AU +61 3 9646 3331

