



## Automated UAS Detection For ATAK

Anomaly Federal has built a TAK/ATAK plug-in to crowdsource intelligence from every soldier in the field. Once activated, our computer vision platform utilizes the TAK/ATAK optical sensor to continuously scan the skies, automating UAS detection.

Our solution is designed to integrate into your existing ISR infrastructure, filling the gaps of traditional sensors.



## Computer Vision For Automated UAS Detection

Our CV detects and classifies aerial objects today, and is optimized for lightweight, real-time deployment. Configurable for other objects in the future.

- **ZERO-SHOT PRE-LABELING**  
~94.5% true positive rate on orb pre-labeling, minimizing human review for dataset curation.
- **YOLO TRAINING FOR DEPLOYMENT**  
Lightweight models optimized for real-time inference in resource-constrained environments, performing at 92% accuracy.
- **OPTIONAL SEMANTIC SEGMENTATION**  
Ground exclusion to reduce false positives and boost detection precision.
- **REAL-WORLD DATASET**  
Proprietary 19k videos from uncontrolled environments (compare to staged UAS datasets).



### About Anomaly Federal

Anomaly Federal is a U.S. incorporated company with all US employees, headquartered in NYC with regional presence in DC, Denver, and San Diego. We are committed to supporting mission partners on critical ISR and counter-UAS challenges. We have strong relationships in Washington DC and bipartisan congressional support for our work.