

Clear Sky

AI powered 360° real-time ground-to-air
C-CUAS situational awareness system.



PRODUCT DESCRIPTION

Clear Sky is an AI application providing ground-to-air Situational Awareness for ground forces against aerial threats.

Clear Sky allows passive detection and identification of threats. The system's rapid reaction time provides an effective countermeasure against drones in complex urban battlefields.

Can provide effective threat engagement along with AI-based Remote Controlled Weapon Station or other shooter/effector systems.

KEY FEATURES

- **Real-time detection** for targets and threats across a large area
- **Automatic Target Recognition (ATR)**
 - AI based system for target recognition and classification (e.g. UAV approaching, UAV passing by, person on the roof)
- **AI-Based Multi-Object Tracking (MOT)**
 - Automatically tracks and locks onto multiple objects of interest simultaneously
- **Intuitive GUI functions as Optical-Radar**, allowing simultaneous viewing of all targets and quick switching to the desired section with a click
- **Target Location** based on sensor fusion
- **Target classification** tracking target record and history log
- **Sensor-to-shooter** automatically hand-off moving target to the effector

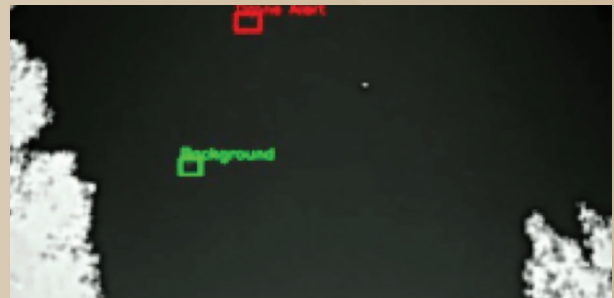
RECOGNITION

AI-based system for target recognition and classification (e.g. UAV approaching, UAV passing by, person on the roof) up to 300m for an UAV.



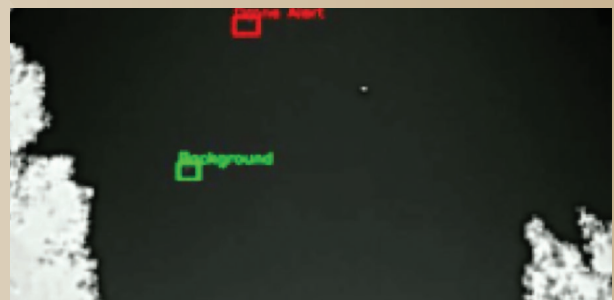
CLASSIFICATION

Automatic Target classification to avoid False alarm originating from background, clouds, birds, etc. Maintains target record and history log.



TRACKING

AI-based Multi-Object Tracking (MOT) automatically tracks objects of interest simultaneously.



Clear Sky functions as an extension of the SAAV system, using the same computing and display unit. The hardware modification consists of integrating the SCM8303 cameras.