Member of CSG

Clear Sky

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



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YSA_L02.1_ClearSky_en

PRODUCT DESCRIPTION

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

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

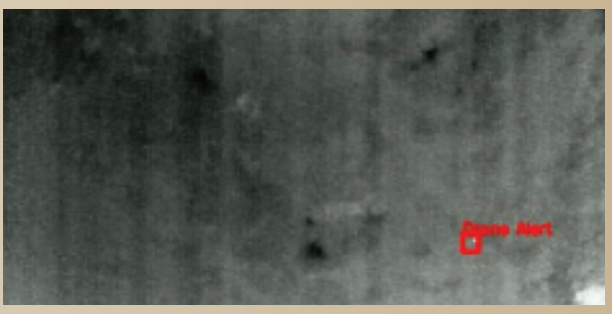
Clear Sky can provide effective threat engagement when integrated with an AI-based remote-controlled weapon station or other shooter/effector systems.

KEY FEATURES

- **Real-Time Detection** of targets and threats across a large area
- **Automatic Target Recognition (ATR)** - AI-based system for target recognition and classification (e.g. a UAV approaching, a UAV passing by, or a person on a roof)
- **AI-Based Multi-Object Tracking (MOT)** - Automatically tracks and locks onto multiple objects of interest simultaneously
- **Intuitive Optical-Radar-Style GUI** - Allows simultaneous viewing of all targets and quick switching to the desired section with one click
- **Target Location** based on sensor fusion
- **Target Classification** with target tracking, records, and history logs
- **Sensor-to-Shooter** - Automatically hands off moving targets to the effector

RECOGNITION

AI-based system for target recognition and classification (e.g. a UAV approaching, a UAV passing by, or a person on a roof), with a recognition range of up to 300 m for UAVs.



CLASSIFICATION

Automatic target classification to avoid false alarms caused by background clutter, clouds, birds, etc. Maintains target records and history logs.



TRACKING

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



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