



## Product Introduction

Low-Altitude Search and Tracking system adopts a dual-technology approach combining active radar detection and passive electro-optical sensing. Integrating multi-source perception capabilities including infrared (IR), visible light and laser, as well as AI-powered intelligent recognition, high-precision servo control and 3D positioning, the systems enable rapid target search, acquisition, identification, tracking and precise localization.

The products feature flexible deployment options, supporting both lightweight portable deployment and fixed-site monitoring, these solutions are widely applicable to scenarios including airport security, critical infrastructure protection, major event safety, and perimeter defense.

The system can seamlessly integrate with various response systems and connect to higher-level airspace management platforms, forming a complete closed-loop workflow of detection – tracking – identification – response, which ensures reliable low-altitude safety protection for key areas.

In addition to UAVs, these systems can be tailored to detect and track personnel, vehicles and birds. A standalone pure electro-optical solution is offered for specialized requirements.

## Features

### Active-Passive Fusion Detection

All-airspace, all-day, all-weather early warning

### AI Deep Learning

Precise recognition of UAVs, birds, personnel and vehicles

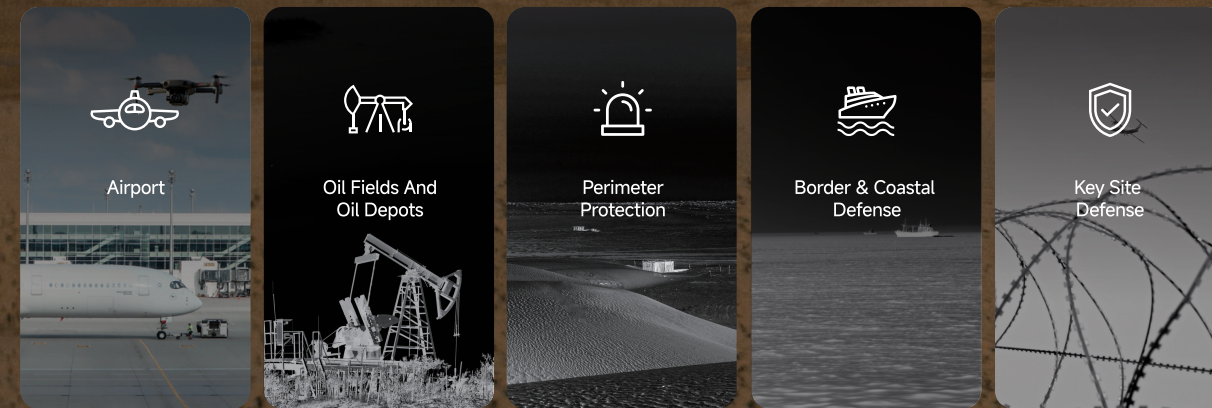
### High-Precision Performance

Tracking accuracy  $\leq 0.05^\circ$ , laser ranging accuracy  $\leq \pm 5m$

### Flexible Deployment

Standardized interfaces, supports fixed/vehicle-mounted/portable configurations

## Applications



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# ELECTRO-OPTICAL 360° SEARCH & TRACKING SYSTEM



