



# TACTICAL ISR AERIAL SYSTEM

Ultra-lightweight SAR Integrated  
Drone System  
ELI-2058



# TACTICAL ISR AERIAL SYSTEM

## Ultra-lightweight SAR Integrated Drone System

### ELI-2058

ELI-2058 is a tactical ISR system comprising an ultra-lightweight SAR (Synthetic Aperture Radar) integrated on a drone, secure wideband data link, and mission computer. Designed for military and para-military tactical intelligence and civil applications, the system generates high resolution, close-range SAR images day/night and in all-weather conditions. The system's mission computer is used for planning, monitoring, and image processing, analysis and exploitation; and the compact onboard data communication system facilitates real time image delivery. The system employs the latest technologies for optimized SWaP-C (Size, Weight, Power and Cost).

### Missions

Flexible and easy to operate, the ELI-2058 provides surveillance and real time imaging for a wide array of tactical missions:

- Monitoring borders and strategic assets
- Target-acquisition
- Anti-terror warfare
- Counter narcotics and smuggling detection
- Surveillance of area and civil infrastructure after natural disaster
- Mapping

### Key Features

- Turnkey tactical ISR system
- Delivers real-time high-resolution SAR Imagery for close range
- Imagery Exploitation:
  - Automatic Exploitation and computer aided target detection
  - ACD - Amplitude Change Detection
  - CCD - Coherent Change Detection
- User friendly command and control workstation

### Radar Specifications

Description	Parameter
Ranges km	Up to 1.5 km
Weight	< 3 Kg
Power	< 40 Watt @ 28 Vdc

