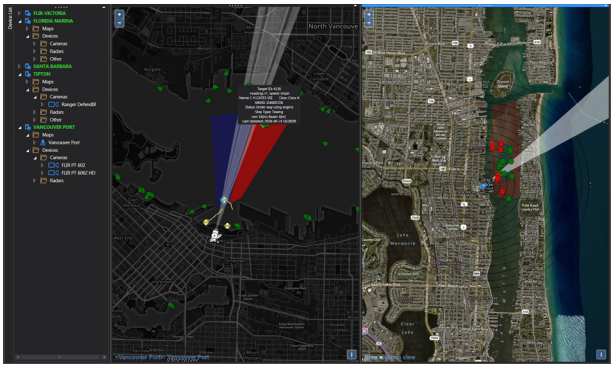
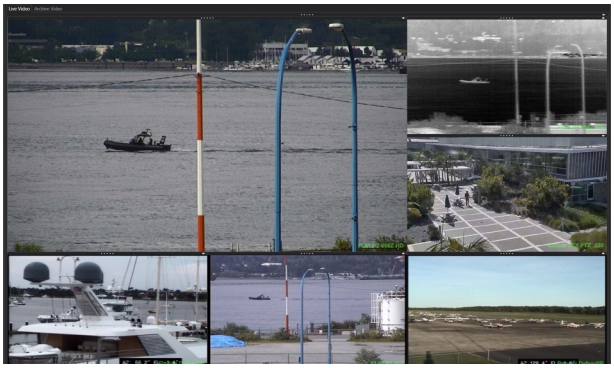
TELEDYNE FLIR

# CAMELEON™ TACTICAL

Perimeter intrusion detection software









Facing the escalating threat of drone incursions, safeguarding military assets, law enforcement, and critical infrastructure demands advanced drone countermeasures. Teledyne FLIR provides cutting-edge C-UAV solutions that integrate multi-sensor detection and AI-driven tracking with Cameleon Tactical software.

Mitigation begins with early threat detection. Cameleon blends long-range ground surveillance radars, thermal and electro-optical cameras, and third-party RF sensors to identify drones based on their own RF signatures, utilizing advanced technologies to offer critical detection capabilities. This multi-sensor approach integrates each of these technologies seamlessly into a unified interface. Operators can simultaneously monitor multiple UAV threats and automate detection alerts for rapid response.

Cameleon Tactical software provides centralized control and seamless integration of multiple sensors, enhancing situational awareness and response coordination across a wide range of operational scenarios.

## PIVOTAL TACTICAL ROLE

- Provides a single control interface for all tracking systems
- Automates tracking adjustments, reducing operator workload
- Offers customizable alerts when UAVs enter restricted zones

## UAS COUNTERMEASURES AND NEUTRALIZATION

- Electronic Jamming: RF Jamming to disrupt the drone's communication link to its operator, neutralizing its control
- GPS Spoofing: Misleads the drone's navigation, preventing it from reaching its target
- Kinetic interception: Provides positioning and targeting for kinetic countermeasures
- Directed Energy Weapons: High-powered lasers or microwave emitters disable drones mid-air

## APPLICATIONS FOR C-UAS CAPABILITIES

- Military defense: protecting military bases, convoys, and battlefield operations
- Critical Infrastructure Security: Securing airports, power plants, and government buildings from UAV intrusions
- Border and Perimeter Protection: Monitoring and neutralizing unauthorized drone activities near national borders or facilities
- Law Enforcement and Public Safety: Preventing illegal drone operations during major events and urban security operations.

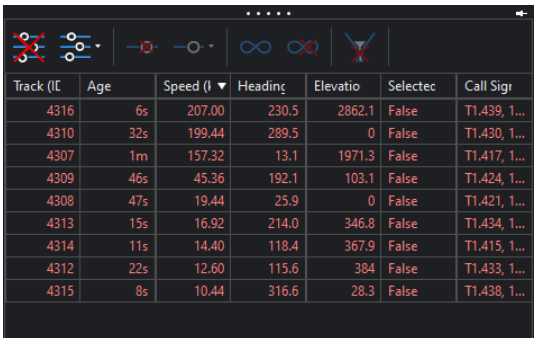
## SPECIFICATIONS

### Key Features

- Windows-based system
- Configurable speed/heading vectors, track history and track symbology
- Support for track classification and persistence, both automatically by the system and manually by the operator
- Ability to filter tracks based on schedule, speed, heading, age, size, and change classification automatically
- Ability to layer zone filters for advanced scenarios
- Track manager displaying all active tracks with associated speed, heading lat/long, classification and age
- Automatic camera slew-to-cue based on system logic
- Camera calibration options for North, known GPS point and to a system target
- Dynamic azimuth and elevation offsets with look-ahead factor
- Support for camera tracking groups with logic for selecting specific cameras to track targets based on proximity, speed, age, and availability of camera
- Support for camera handoff between zones

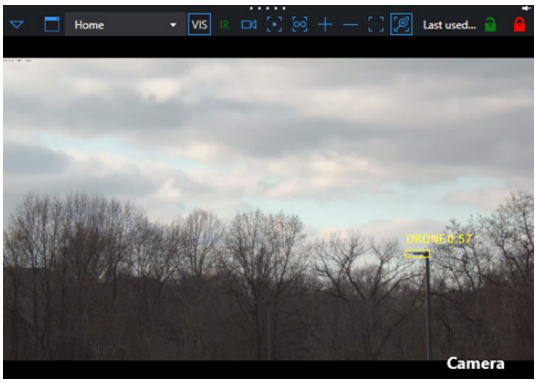



Automated threat detection and identification alerts



| Track (ID | Age | Speed (k ▼ | Heading | Elevatio | Selectec | Call Sign |
|---|---|---|---|---|---|---|
| 4316 | 6s | 207.00 | 230.5 | 2862.1 | False | T1.439, 1... |
| 4310 | 32s | 199.44 | 289.5 | 0 | False | T1.430, 1... |
| 4307 | 1m | 157.32 | 13.1 | 1971.3 | False | T1.417, 1... |
| 4309 | 46s | 45.36 | 192.1 | 103.1 | False | T1.424, 1... |
| 4308 | 47s | 19.44 | 25.9 | 0 | False | T1.421, 1... |
| 4313 | 15s | 16.92 | 214.0 | 346.8 | False | T1.434, 1... |
| 4314 | 11s | 14.40 | 118.4 | 367.9 | False | T1.415, 1... |
| 4312 | 22s | 12.60 | 115.6 | 384 | False | T1.433, 1... |
| 4315 | 8s | 10.44 | 316.6 | 28.3 | False | T1.438, 1... |

Multi-target tracking and information




Visual identification and tracking

Specifications are subject to change without notice.
For the most up-to-date specs, go to www.teledyneflir.com


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