# Wearable Tactical Detector

Rantelon

DTS-CaDe



## Covert AI-driven drone detection for dismounted tactical units

**Fully Passive Detection**
Operates without emitting signals to ensure user stealth.

**AI-Based Signal Intelligence**
Advanced machine learning for precise UAV identification.

**2 km Detection Radius**
Early warning system for squad-level protection.

**MOLLE-Integrated**
Compact design fits seamlessly into standard gear.

**IP67 Robust Build**
Fully waterproof and dust-proof for intense field use.

**ATAK & C2 Ready**
Real-time data sharing with tactical tablets and command units.

**The DTS-CaDe is a wearable, AI-powered drone detector built for dismounted soldiers, border guards, and security professionals.**

Utilizing advanced machine learning algorithms, it scans the RF spectrum to identify and classify unauthorized drones and their remote controllers. Designed for high-stress environments, it fits comfortably in a MOLLE pouch and provides reliable early warning in under 10 seconds. Its ability to integrate with ATAK ensures that drone threats are visualized on the battlefield map, enabling coordinated responses.



- **Covert Early Warning**
  Being a completely passive device, the DTS-CaDe detects threats without revealing the soldier's position, providing a vital edge in reconnaissance missions.
- **Tactical "Detect-to-Neutralize" Workflow**
  Optimized for seamless operation alongside PJ-series jammers, creating a comprehensive counter-UAS ecosystem for small units.
- **Hands-Free Situational Awareness**
  Integrated audio interface provides immediate alerts via headphones, allowing the soldier to focus on primary mission tasks.
- **Mission-Adaptive Modularity**
  Features a modular antenna interface for rapid field swaps of external modules. This allows operators to instantly optimize detection for specific frequency profiles or 360° coverage as tactical requirements evolve.

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# Wearable Tactical Detector

**DTS-CaDe**

| PARAMETER | SPECIFICATION |
|---|---|
| Detection range | 2–4 km (depending on environment) |
| Frequency range | 200 MHz – 6 GHz (covers all common and modified UAS) |
| Detection time | Under 10 seconds |
| UI / Connectivity | ATAK compatible; LED, vibration, and headphone notifications |
| Battery life | Up to 8 hours (Type-C fast charging) dependent on environmental and operational conditions |
| Weight | 660 g |
| Operating temperature | -25°C to +40°C |
| Environmental rating | IP67 |



DTS-CaDe main unit



Optional external antenna





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