# T.CAM

T.Cam™ is an AI-powered omnidirectional optical system that tracks targets and evaluates countermeasure effectiveness. The system consists of a ground-based dual-axis gimbal camera and AI processor, supporting threat assessment and resource allocation for drone countermeasure operations. Camera focal lengths can be customized to match specific field-of-view and range requirements. T.Cam™ operates in three distinct modes

01 Target Threat Assessment, Locking, and Tracking: The advanced T.Cam imaging system provides real-time visual tracking of airborne targets designated through the T.Meta command and control (C2) interface. Using sophisticated AI-powered detectionalgorithms integrated with flight telemetry data, T.Cam delivers continuous automated tracking to enhance operator threat assessment capabilities.

02 Countermeasure Verification: T.Cam™ confirms the success of T.Jammer™ (soft-kill) and T.Interceptor™ (hard-kill) countermeasures by analyzing target flight data and video feeds. The system's AI continuously evaluates countermeasure effectiveness and provides real-time feedback, helping operators manage resources efficiently during multiple-target scenarios.

03 (Upgradeable) Future AI Updates: Through computer vision upgrades, T.Cam™ will
identify drone manufacturers, models, and payloads (including weapons) to assess threat levels accurately.

Multiple T.Cam™ units can track and lock onto several targets simultaneously, enabling effective response to drone swarm attacks. This networked operation provides comprehensive threat assessment and validates countermeasure effectiveness, reducing decision time and improving system response.

**Detection Range**

# 1KM

**Azimuth Coverage**

# 360°

## Specifications

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|---|---|---|---|
| Optical Zoom | 31x | Vertical Field of View | 37° - 1.3° |
| Horizontal Rotation Range | 360°, continuously | Ingress Protection (IP) | IP66 |
| Vertical Rotation Range | -90° ~ 90° | Detection Range | 1000 meter for drones with 900 mm diagonal length |
| Sensor Size | 1/2-inch CMOS | | 700 meter for drones with 400 mm diagonal length |
| Horizontal Field of View | 63.8° - 2.2° | | |

**TRON FUTURE**