

ADLM2000 (Anti-Drone Laser Mortar, >2km Range)

System Overview

The ADLM2000 is a heavy-duty, high-performance laser system engineered for extended-range Counter-UAS (C-UAS) operations. Designed for versatile deployment via tripod or vehicle mounting, the ADLM2000 features a precision gimbal mechanism equipped with auto-focusing and auto-tracking capabilities.

Technical Specifications

- Effective Range: > 2000 meters (Atmospheric and target dependent)
- System Weight: < 15.0 kg
- Form Factor: Tripod and vehicle-mounted modular chassis
- Target Acquisition: Precision gimbal mechanism with auto-focusing, auto-tracking, integrated LRF, and high-resolution imaging suite.
- Operational Simplicity: Hassle-free deployment featuring a streamlined point-and-shoot interface with automated tracking support.
- Laser Type: Continuous Wave (CW)
- Operating Wavelengths: Non-Lethal / Dazzler: 632 nm; Directed Energy / C-UAS: 1070 nm – 1080 nm (Fiber Laser)

Engineering & Environmental Standards

- Housing: Aerospace-grade 7075-T6 Aluminum & Carbon Fiber Composites
- Thermal Management: Advanced thermal sinking with forced-air cooling optimized for higher energy output
- Operating Temperature: -20°C to +55°C
- Environmental Protection: IP67 Rated (Dust-tight and immersion resistant)
- Ruggedization: MIL-STD-810G Compliant (Vibration-isolated for vehicle and field deployment)

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