

ADLR1000 (Anti-Drone Laser Rifle, 1000m Range)

System Overview

The ADLR1000 is an advanced, tripod-mounted, high-performance long-range laser system designed for rapid, intuitive Counter-UAS (C-UAS) operations. Featuring an integrated auto-focusing system, built-in Laser Rangefinder (LRF), and advanced imaging system, the ADLR1000 delivers elite target acquisition combined with a hassle-free, intuitive point-and-shoot mechanism.

Technical Specifications

- Effective Range: > 1000 meters (Atmospheric and target dependent)
- System Weight: < 11.0 kg
- Form Factor: Tripod-mounted tactical rifle chassis
- Target Acquisition: Integrated auto-focusing system, built-in 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: Passive heat sinking with low-noise forced-air cooling
- Operating Temperature: -20°C to +55°C
- Environmental Protection: IP67 Rated (Dust-tight and immersion resistant)
- Ruggedization: MIL-STD-810G Compliant

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