

ADLP500 (Anti-Drone Laser Pistol, 500m Range)

System Overview

The ADLP500 is a man-portable, high-performance laser system designed for rapid, intuitive Counter-UAS (C-UAS) operations. Engineered for extreme ease of use with a hassle-free, intuitive point-and-shoot mechanism, this system offers versatile operational capabilities for both non-lethal optical dazzling and directed energy engagement.

Technical Specifications

- Effective Range: > 500 meters (Atmospheric and target dependent)
- System Weight: < 9.0 kg
- Form Factor: Tactical Pistol / Compact Chassis
- Operational Simplicity: Hassle-free deployment featuring a streamlined point-and-shoot interface requiring minimal operator training.
- Laser Type: Continuous Wave (CW)
- Operating Wavelengths: Non-Lethal / Dazzler: 532 nm (Green); 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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