

LOCUST

DIRECTED ENERGY
COUNTER-UAS SYSTEM



LOCUST is operationally deployed with proven lethality and reliability. End-to-end engineering elegance, coupled with advanced AI, LOCUST systems enable and enhance the directed energy “kill chain”— tracking, identifying, and engaging a wide variety of targets with a hard-kill High Energy Laser. Architected to address the inherent need for mobility and quick deployment, our mission equipment package can be easily transported and integrated onto a variety of platforms.

Directed Energy Counter-UAS System

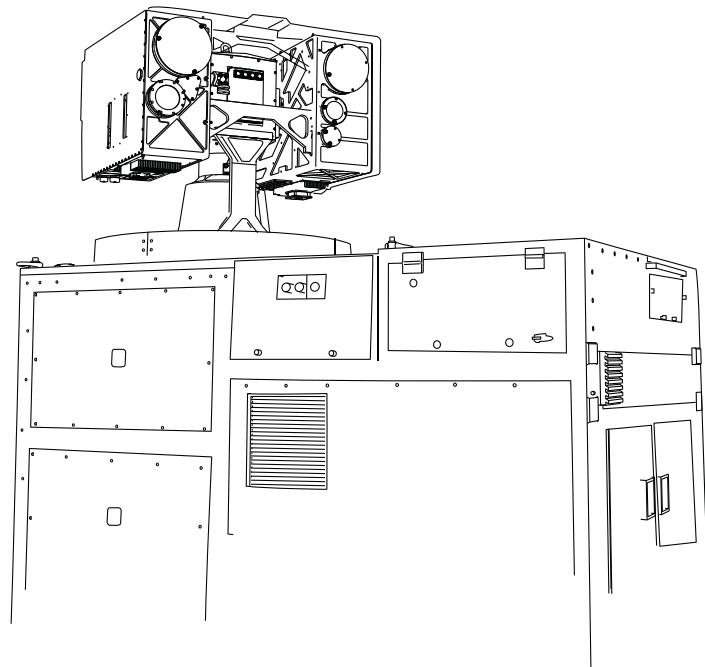
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Advanced Electro-Optical (EO) Tracking

LOCUST features an advanced gimbaled electrooptical tracking system designed for tracking various threat sets in cluttered or clear skies. This ISR unit features a fine tracking system (FTS), powerful telescope, laser rangefinder, acquisition tracking system (ATS), and targeting laser. Multiple camera payload options provide a wide field of view, aiding in early target identification and tracking. This system pairs with our High Energy Laser (HEL) and other effectors to neutralize threats.

Specifications

[FEATURES]	[CAPABILITIES]
RF CUEING SENSOR INTERFACE AND OVERLAYS	"Plug-and-Play" capability with a wide variety of sensor types and RF bands.
MULTI-TARGET IR SEARCH AND TRACK MODES	Automated tracking capabilities that enable agile switching between targets in high density threat environments.
OPERATOR-OPTIMIZED WEAPON INTERFACE	LOCUST minimizes training impacts and improved operator success by leveraging a common gaming controller.
ULTRA-HIGH BANDWIDTH TRACKING	State-of-the-art, real time tracking overlays on high-definition video give operators the highest fidelity data for threat evaluation in complex air defense environments.
INTEGRATION SUPPORT FOR C2 NETWORKS	Proven capability and compliance to interface with the latest versions of various command and control (C2) networks.
FIXED OR MOBILE PLATFORM CONFIGURATION	Designed for compatibility with a broad range of fixed site and maneuverable platforms and transportability to any location.



Configurable Family of Products

The LOCUST system is highly configurable to individual needs. The modular design of the system allows for users to tailor a solution suited to their needs, including system capabilities such as Laser Weapon power level, battery capacity, integration of external sensors, and thermal management systems. The focus of LOCUST is to maximize its value to our customers' missions at a reasonable price point. We are continually investing and upgrading our capabilities to ensure that our system works reliably in an increasingly complex air defense environment against a wide variety of threats. This ensures that the capability of LOCUST improves over time with every update.



LOCUST ADVANCED GIMBALED ELECTROOPTICAL TRACKING SYSTEM