

Locust

TARGET ACQUISITION
AND TRACKING SYSTEM



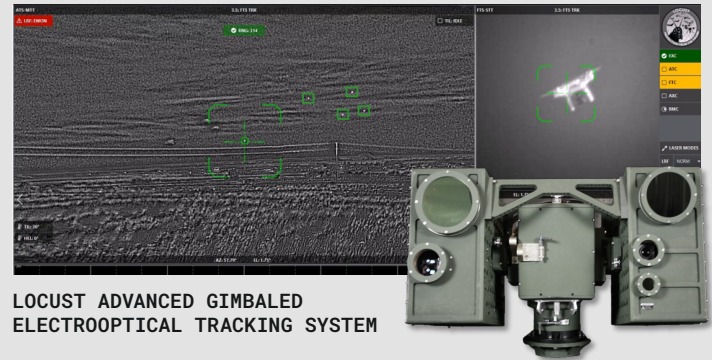
LOCUST TATS is an easy-to-use, multi-spectral sensing and targeting system that provides high quality threat tracking and video data to control a wide variety of effectors such as EO/IR missiles, expendable drones, high energy lasers, high power microwaves, electronic attack, and kinetic munitions. AV's flexible LOCUST TATS features field-proven tracking, sensing, and threat engagement automation that can be readily applied to different missions including counter-UAS (C-UAS), counter-missile, counter-rocket, artillery and mortar (C-RAM), intelligence, surveillance, and reconnaissance (ISR), and test and evaluation (T&E). LOCUST TATS provides higher performance situational awareness, data collection, test monitoring, and target tracking when compared to traditional pan/tilt gimbal solutions.

Target Acquisition and Tracking System (TATS)

LOCUST

_Advanced Electro-Optical (EO) Tracking

LOCUST features an advanced gimballed 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.



LOCUST ADVANCED GIMBALED ELECTROOPTICAL TRACKING SYSTEM

_World-Class Software, Automation, and Artificial Intelligence with Continual Improvement

The focus of LOCUST TATS is to maximize its value to our customers' missions. That is why we pair state-of-the-art commercially available hardware with best-in-class software, algorithms, and Artificial Intelligence (AI) to maximize performance at a reasonable price point. We are continually investing and upgrading our software capability 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 TATS improves over time with every update.



_Specifications

[FEATURES]	[BENEFITS]	[PROOF]
RF CUEING SENSOR INTERFACE AND OVERLAYS	"Plug-and-Play" capability with a wide variety of sensor types and RF bands	Performance of LOCUST TATS key features has been proven at a wide variety of Army, Navy, and Air Force stakeholders' to "variety of stakeholders including the Department of Defense services.
MULTI-TARGET IR SEARCH AND TRACK MODES	Automated tracking capabilities that enable agile switching between targets in high density threat environments	
HIGH BANDWIDTH TRACKING FOR THREAT IDENTIFICATION	State-of-the-art, high-definition video gives decision makers the highest fidelity data to evaluate threats in complex air defense environments	
HIGH RESOLUTION 3-D TARGET LOCATION REPORTING	Microradian-class track data transmitted to a wide variety of C2 networks increases system combat effectiveness	
INTEGRATION SUPPORT FOR C2 NETWORKS	Low-latency interfacing with C2 networks to receive and provide target cues, with ability to transmit video, track, and provide situational awareness data to improve capabilities	

