

AQUILA

RADAR BASED SEEKER & FUZE

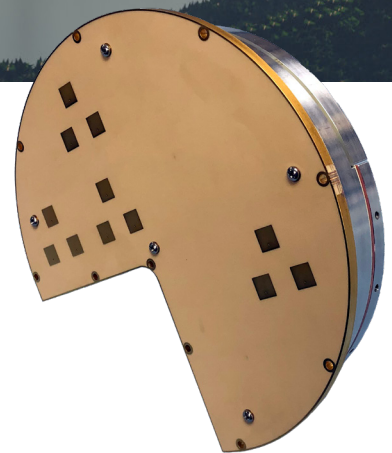
Autonomous Guidance Targets
Via Direct Flight Control

Tracks and Discerns
Multiple Targets

Aquila is a radar sensor designed specifically to meet the SWAP-C constraints of tactical UAS and is based on TRL-9 technology and provides radar seeker functions for loitering munitions.

Aquila supports air-to-air engagements and is specifically tuned to engage Group 1 UAS in support of the counter-UAS mission. Aquila provides target range, rate, azimuth, and elevation to the host UAS's flight control system to guide the UAS to the target.

Aquila uses multiple adaptive waveforms to track targets at range as well as near in to optimize the end game. Aquila has been demonstrated with both kinetic and non-kinetic effectors against UAS. Aquila has a 1U Modular Payload compliant form factor.



*Aquila Sensor Integrated
Electronics (Aquila SIG-E)*

Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications subject to change without notice.

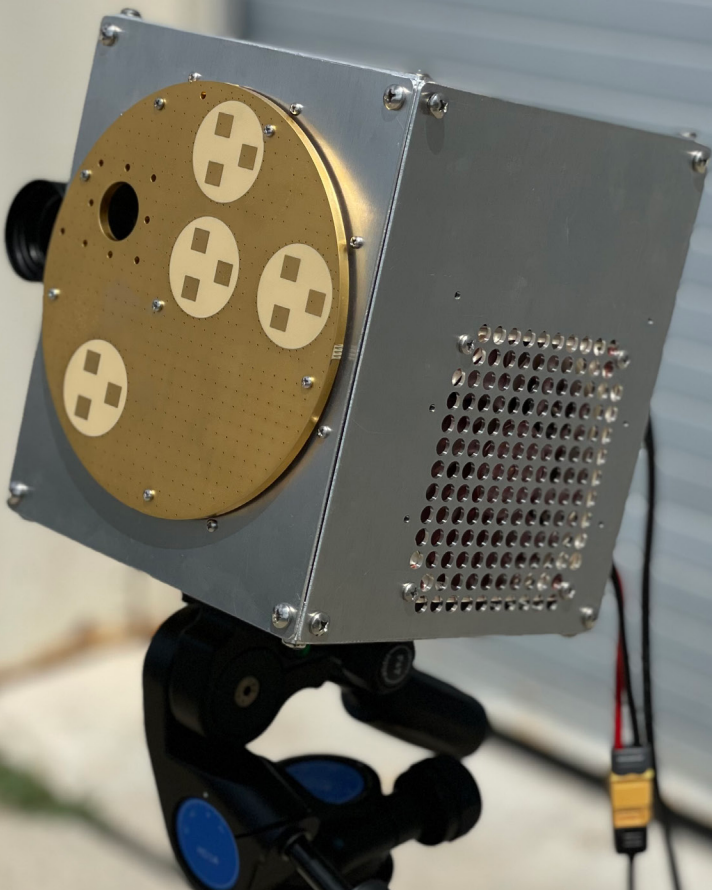
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AQUILA SENSOR INTEGRATED ELECTRONICS (AQUILA SIG-E)



FEATURES

- X-band, Air-to-Air Seeker
- Optimized for engaging Group 1 UAS targets
- 1U Modular Payload with custom antenna for host UAS
- Current version: TRL 7

SPECIFICATIONS

Size	6" diameter x 1.35" depth
Weight	1.6 lbs
Power	12W (idle), 150W (active)
Range	1.5-1200m*
Range Accuracy	0.5-10m*
Closing Rate	0-3000m/s*
Closing Rate Accuracy	0.5-25m/s*
Field of View (FOV)	60 degree cone

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