

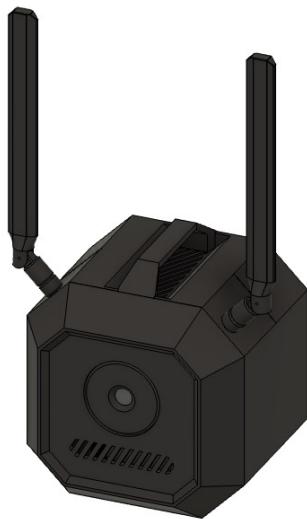
Nemesis

Networked Edge-based Multi-Int Exploitation
For Situational Intelligence and Security



DESCRIPTION

NEMESIS is an AI-native battlefield sensor that can be deployed in a variety of form factors for a variety of missions. Operating in the most restricted environments, NEMESIS manages its own signature and collaborates with a mesh of other sensors to form dominate typically difficult deep-sensing environments.



CUSTOMIZABLE OPTIONS

Material: Anti-reflective coatings and surfaces

Modular Modalities: EO/IR Sensors, RF

Detection, High-Resolution Microphones

Networking: WiFi, Spread Spectrum LoRa for
multi-node mesh, or single node (RF-silent)

KEY SPECIFICATIONS

PERFORMANCE

CUAS RF Range: 3.5km
Full-Motion-Video Resolution: 4K
Time-To-Alert: 5 Seconds

OPERATIONAL

Setup-Time: under 2 minutes
Alerting: ATAK, Lattice, Voice-to-Voice Human Machine Interaction

X-Line (Complete Sensor Fusion)

- X1 – Smallest Multi-INT Sensor
- X3 – Multi-INT Node
- X5 – Mothership Sensing Hub

S-Line (Soldier Borne Form Factors)

- S3AR – CUAS Sensor Puck
- S5AV – Site-Security Camera

N-Line (Nemesis Auxiliary Sensors)

- N1A – Miniaturized Microphone
- N3V – 4K EO/IR Hub

USER-LESS INTERFACE



NEMESIS does not require a user to process data feeds, leveraging edge-AI models that perform inference onboard the device and distributing only important information to operators.

 Anduril Lattice™ compatible.

DEVICE CONSTRUCTION



Carbon-Fiber Plastic Construction

Dual-Channel RF Antenna

Edge-AI Compute Stack

Onboard Multi-INT Algorithms

Modular Battery Size

SIGNATURE MANAGEMENT

NEMESIS sensors only transmit warnings of anomalous activity when the RF is deemed low-risk, increasing survivability and decreasing overall RF signature.

Cognitive Signature Management

Collect Anomaly

Safe to Transmit

Established OPFOR Presence

