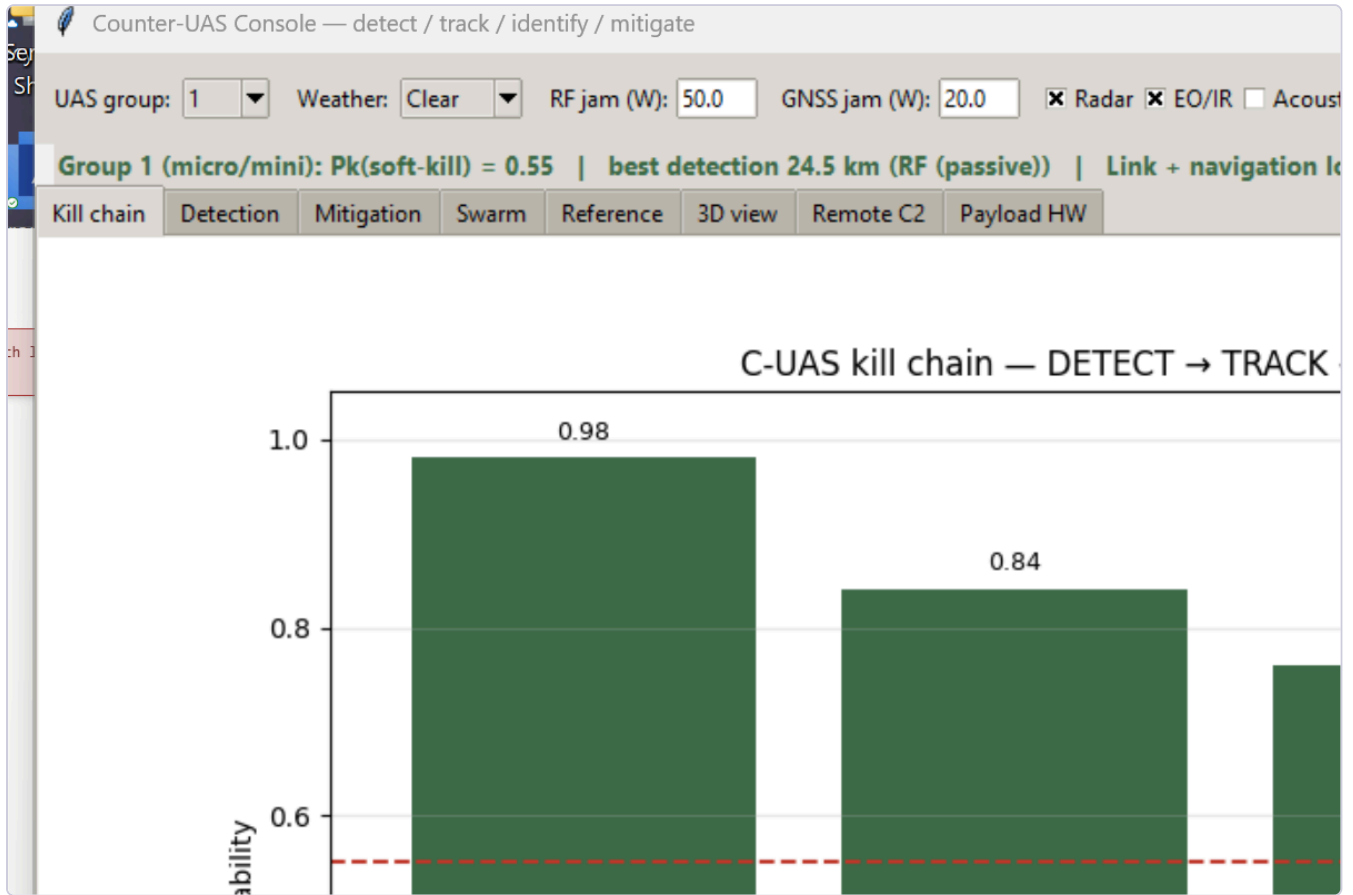




OAK DEFENSE — DRONE AI

Drone-installed software that drives your EW payload — Detect · Identify · Mitigate

A **drone-installed software package** that **drives your EW payload**: one onboard agent drives multiple devices at once — ESM / ELINT / COMINT receivers and RF / GNSS jammer controllers — over TCP / serial / SCPI / UDP, and the ground-station console tasks it over Link 16 / SATCOM. Detect, identify and mitigate the small / medium drone threat (UAS Groups 1–3) — with an AI core and a sign-in / audit / classification governance layer.



DETECT

- Counter-UAS Console
- Radar
- EO/IR (IRST)

IDENTIFY

- EO Video Tracker (AI)
- AI Advisor
- Drone-ID Trainer

MITIGATE

- RF / GNSS jamming
- NAVWAR / GNSS denial
- Effector control

Why Drone AI

- **Whole kill chain** in one tool — layered sensing + RF/GNSS defeat scored by first-principles physics.
- **AI you can trust** — calibrated confidence, explainability, OOD guard and adversarial hardening.
- **Drives multiple devices** — one drone-installed agent drives ESM/ELINT/COMINT + RF/GNSS jammer payloads over TCP/serial/SCPI/UDP via a pluggable adapter + codec layer; the GCS tasks it over Link 16 / SATCOM.
- **Runs on a laptop** — Windows, no GPU, offline, per-user install.

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Unclassified · representational training / analysis. First-principles, published models — no operational exploit, payload or attack code. Threats scoped to DoD UAS Groups 1–3.