

An automatic terminal-guidance module that improves FPV-drone strike effectiveness

MAD TRACER — a hardware module + software that adds automatic terminal guidance to your existing drone.

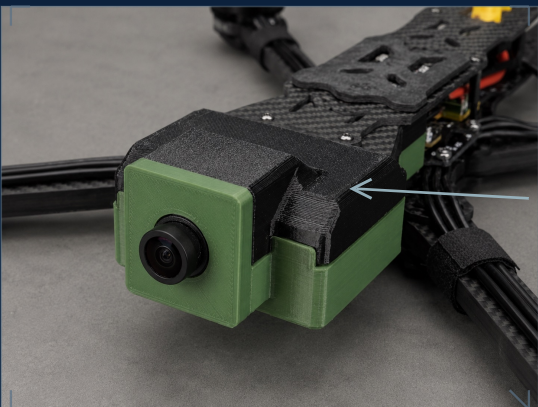
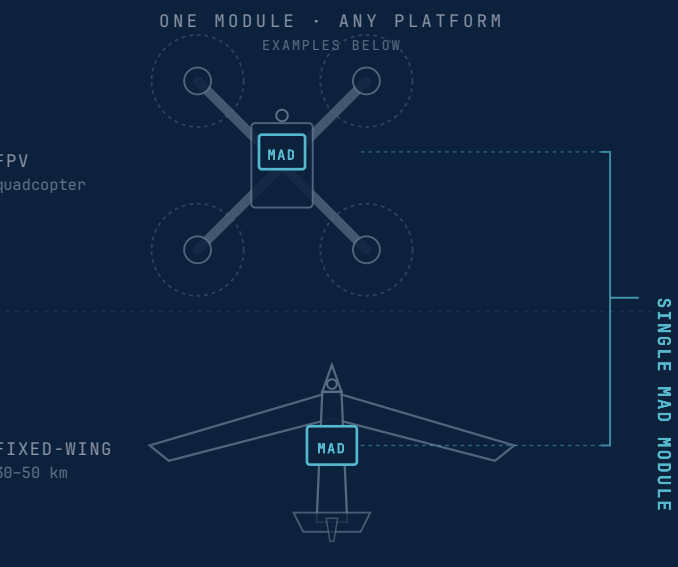
The drone homes on the target automatically — on both static and moving targets, including under full EW jamming. Optional: install and train an AI model for target recognition.

700+ m

TERMINAL-GUIDANCE RANGE

0

FIRMWARE OR AIRFRAME
REWORK REQUIRED



PRODUCTION UNIT

FIELD STATUS · IN SERIAL PRODUCTION

Reference integrations: FPV quadcopter · fixed-wing drone. Delivered as a module or as a software license — integrated by drone manufacturers and by operating units.



Pixel Lock

Locks the target on camera and holds it through engagement — works on both static and moving targets. Holds track through target maneuver and wind gusts; re-acquires after brief occlusion. Acts as a backstop in the terminal phase — no missed engagement.



Cruise Control

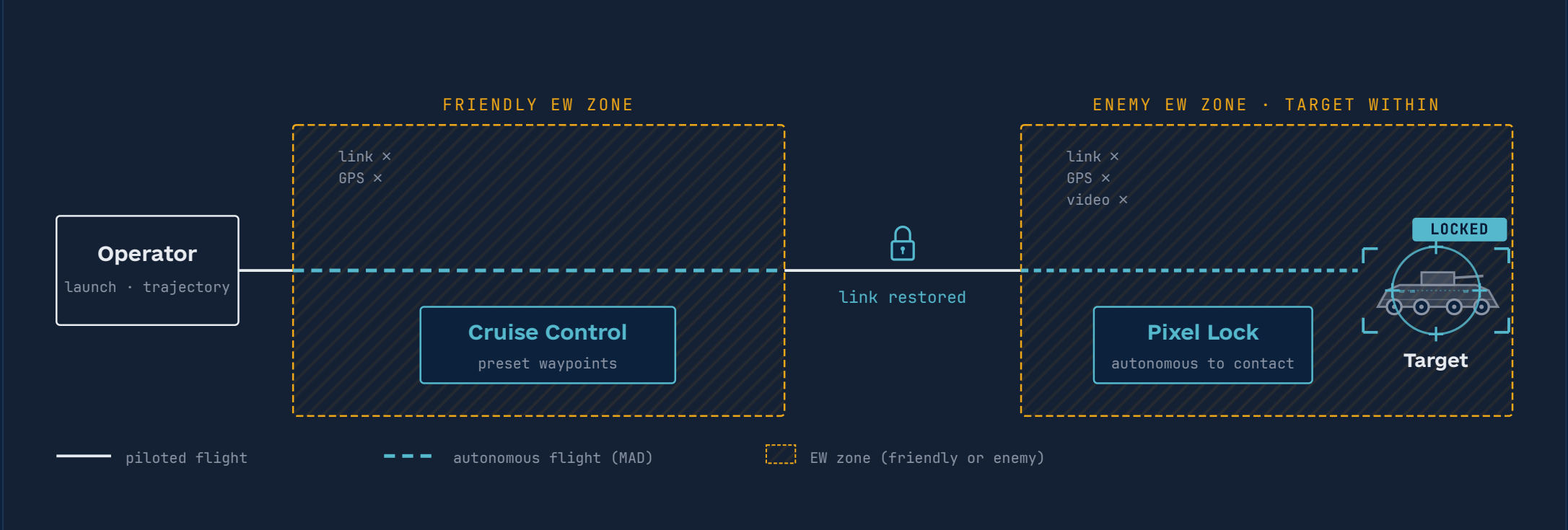
Flies the drone along a preset trajectory when the control link drops — EW or radio horizon on long-range missions. If video also drops, it continues vision-only to engagement.



AI target recognition

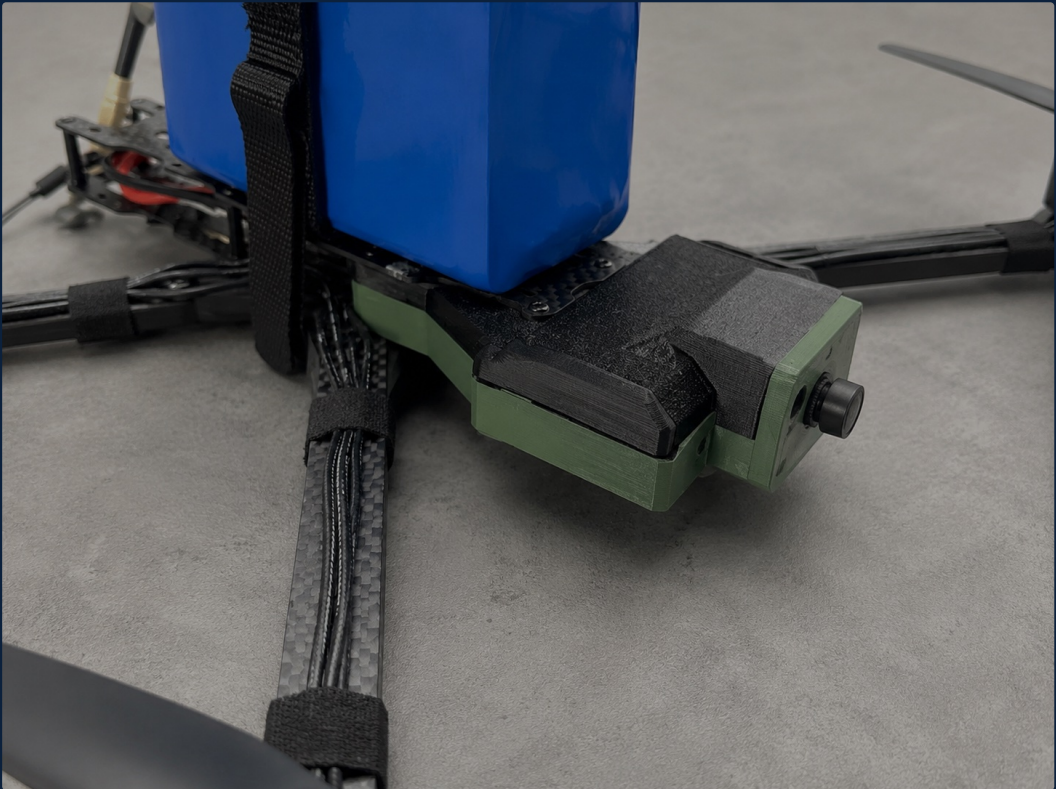
Optional. Installed on request. We deliver a model trained for the mission: tank, IFV, artillery, mortar, and infrastructure. AI flags what a fatigued operator misses — backstop against missed engagements.

How MAD works — from launch to impact



Specifications and integration

COMPATIBLE WITH	FPV quadcopters · fixed-wing drones · Starlink-equipped drones · R2D2
FLIGHT CONTROLLERS	ArduPilot · BetaFlight · iNav
INTEGRATION	no firmware rewrite · no new airframe
FORM FACTORS	in-frame · under-frame · inside fixed-wing fuselage
CAMERA OPTIONS	day · twilight · thermal · digital zoom on camera
COMPUTE	Raspberry Pi 5 / Orange Pi 5 and others
TERMINAL-GUIDANCE RANGE	from 700 m · on moving targets
AIM CORRECTION	available after lock — manual by operator if needed
ADOPTION	officially adopted by Ukraine's Armed Forces



MAD TRACER · SINGLE MODULE FOR ARDUPILLOT / BETAFLIGHT / INAV

