Auterion

– INTERCEPTOR

Autonomous, fire-and-forget interception for Group 1 and Group 2 drone threats

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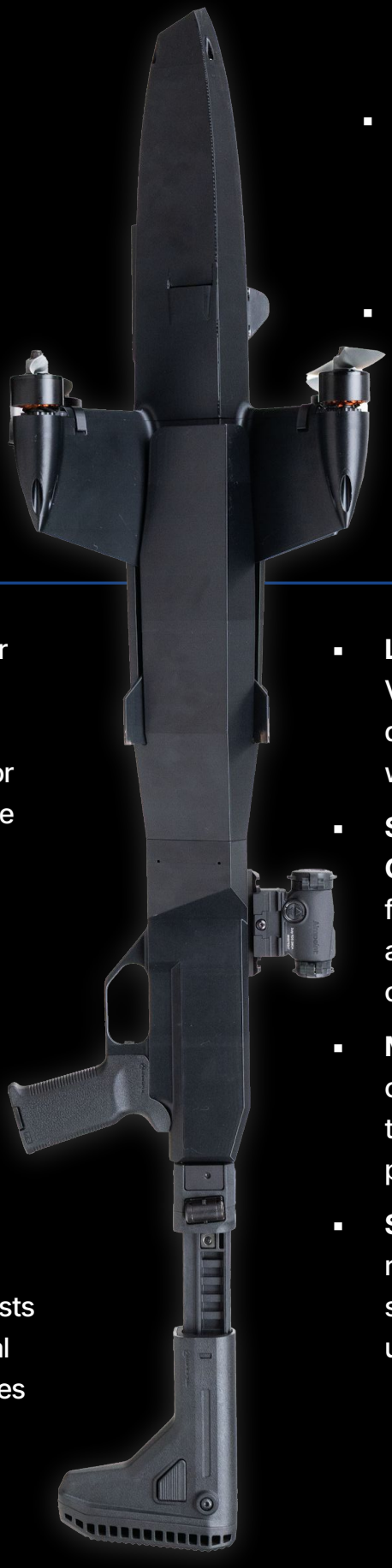
The Interceptor is a portable, autonomous counter-UAS system for VSHORAD, force protection, and critical infrastructure defense

Performance

Target Set	Group 1–2 UAS
Target Speed	40 m/s
Intercept Speed	60 m/s
Max Range	5 km
Max Altitude	2,000 m
Sensor Range	600 m
Hit Probability	>80%
Reload Time	<60 sec

The Auterion Interceptor pairs a high-speed, 3D-printed airframe with Auterion's fielded software stack

- **Skynode S mission computer running AuterionOS - AI tracking & terminal guidance onboard**
- **Auterion Radio Framework - dual-link software-defined radio with MANET mesh**
- **FLIR Boson 640 LWIR thermal seeker - day, night, and obscured conditions**
- **Modular 3D-printed airframe - rapid production, field-replaceable parts**



- **Fire-and-forget autonomy**: after launch, onboard tracking and terminal homing complete the intercept without further operator input — link loss does not end the engagement.
- **Tap-to-track targeting:** AI-assisted, pixel-level lock from the video feed; guidance continuously updates against maneuvering targets.
- **GPS-denied capable:** visual terminal guidance holds in contested and degraded environments.
- **Cued or visual acquisition:** ingests track data from standard external C2 and TDL interfaces, or acquires visually via the launcher optic.
- **Layered-defense native:** extends VSHORAD coverage for dismounted units and fixed sites within distributed C2 architectures.
- **SkyBase GCS + Auterion Mission Control:** plan, monitor, and control from a man-portable station; abort and loiter commands preserve operator control.
- **Minimal training burden:** operators of all skill levels reach proficiency through a defined qualification program.
- **Sustained engagement rate:** reusable launcher keeps the system mission-ready - reload in under 90 seconds.