

AEROSTRIKE



Tactical interceptor UAS

BLACK ARROW | 5-INCH VARIANT



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AeroStrike (5-inch) is a compact interceptor UAS designed to provide a rapidly deployable defeat option against hostile Class 1 UAS threats. The 5-inch variant prioritises agility, acceleration, and responsiveness, enabling time-critical engagement in close-to-mid range defensive scenarios.

AT A GLANCE

ROLE: Technical interceptor UAS (Operator-in-the-loop)

VARIANT: 5-inch (High agility)

MAXIMUM SPEED: 270 km/hr

INTERCEPT SPEED: 100 - 200 km/hr

ENDURANCE: 8-10 minutes

CONTROL LINK RANGE: 10km

ENDURANCE-LIMITED RANGE: 12-13 km

INTERCEPT CONTROL: Automated intercept tasking via AeroTracker or manual flight via standard FPV control software (e.g. ArduPilot)

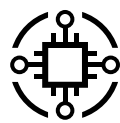


KEY CAPABILITIES



RAPID RESPONSE EFFECTOR

Designed for immediate launch and pursuit of low-altitude UAS threats.



OPERATOR-IN-THE-LOOP

Human decision-making retained throughout the engagement chain.



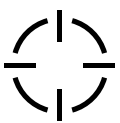
HIGH MANOEUVRABILITY

5-inch architecture optimised for terminal agility and close-in engagements.



CUEING-READY

Suitable for tasking from a ground-based air picture (RF, radar, EO/IR) via a unified operator workflow.



FLEXIBLE INTERCEPT CONTROL

Intercept phase can be automated through AeroTracker or flown manually using standard FPV control stacks (e.g., ArduPilot).



DEPLOYABLE SYSTEM CONCEPT

Suitable for tasking from a ground-based air picture (RF, radar, EO/IR) via a unified operator workflow.

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TACTICAL EMPLOYMENT



Point defence for sites, convoys, and tactical units requiring a fast-reacting defeat option.



Time-critical response where a compact system can be deployed quickly and repositioned frequently.



Designed to operate as part of a **layered C-UAS architecture**, with detection, tracking and visual confirmation informing tasking and intercept.

PERFORMANCE PARAMETERS

Maximum speed	270 km/hr
Intercept speed	100 - 120 km/hr
Endurance	8-10 minutes
Control link range	10 km
Endurance-limited range	12 - 13 km

SYSTEM ARCHITECTURE

Air vehicle	Black Arrow - 5-inch interceptor UAS
Intercept Control Modes	Automated tasking via AeroTracker (intercept phase automation). Manual FPV flight via standard control software stacks (e.g. ArduPilot)
Operational Integration	Suitable for integration into a wider detection-to-effector chain, enabling coordinated response alongside RF/radar/EO assets



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SAFETY, COMPLIANCE & ASSURANCE



Intended for use by **authorised users** under applicable regulations and operational policies.



Operator-in-the-loop supports **positive human decision-making** for engagement.



Subject to **end-use and export considerations** depending on destination and configuration.

SUPPORT

Deployable as a supported capability including operator familiarisation, spares strategy, and maintenance guidance (scope aligned to contract).

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GET IN TOUCH

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