



INTERCEPTOR-MR

Autonomous low collateral medium range UAS interceptor

END-TO-END C-UAS CAPABILITY

INTERCEPTOR-MR is our AI enabled UAS that offers an intelligent, cost-effective and low collateral solution to neutralise hostile drones. Designed to address threats in all environments, this high-speed craft is capable of defeating Class I & II drones head on from up to 5km+.

Using a range of sensors to accurately detect, verify and respond to UAS threats, the Interceptor is embedded with NiDAR CORE intelligence, enabling operators to launch this new, agile system in order to defeat fast, high manoeuvring targets.

The Interceptor is housed in a vertical smart launcher connected to a wider sensor network. Once a threat is detected, the operator commands the Interceptor to launch and progress to the target autonomously.

The system acquires the target using onboard AI imaging and pursues the enemy with dogfight manoeuvrability at altitudes up to 2 km with speeds over 80m/s.

KEY FEATURES

Defeats CAT I & II UASS

Crash into airborne threats at speeds up to 288 km/hr

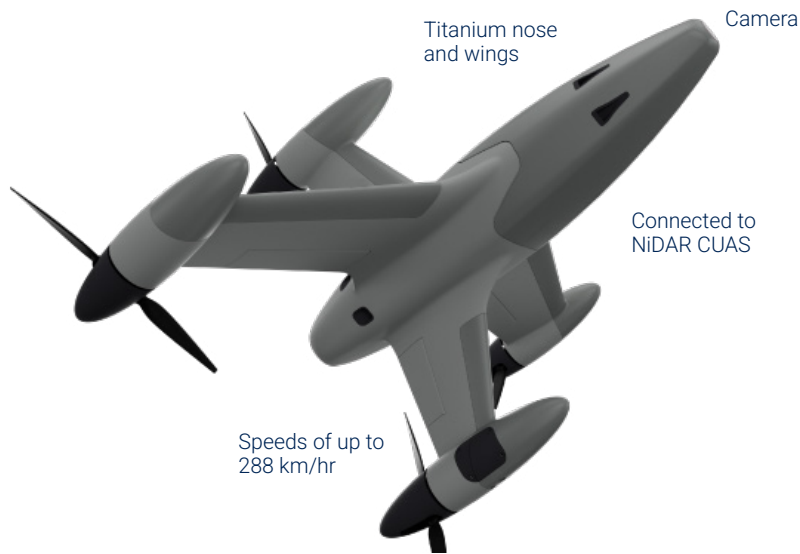
Over 5 kms range to interception

Inherently safe, no explosive, no fuel

Fully automatic vertical launch for immediate response to threats



The future of counter unmanned aerial systems



DIMENSIONS	CONFIGURATION
Length	800 mm
Wingspan	900 mm
Weight	8 kg

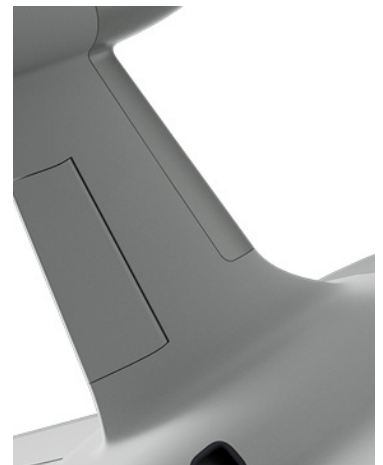
PERFORMANCE	CONFIGURATION
Interception range	>5 km
Altitude	>2 km
Maximum speed	288 km/hr
Battery charge time	20 min
Propulsion	Electric DC Brushless Motors with open props
Sensors	EO/IR

LAUNCHER SPECIFICATIONS	CONFIGURATION
Response Time	<3 sec
Type	Lightweight (<3 kg) Mechanical Assist
Usage	Re-usable
Sensors	Integrated EO/IR Targeting sight with NIDAR on the edge
Environmental Condition	Operational -10°C to +50°C



AERODYNAMIC DESIGN

Hybrid airframe for speed and range of a fixed wing aircraft while having the flexibility and agility of a quadcopter



AGILITY

Reaching altitudes up to 2 km and 288 km/hr



UNRIVALLED SPEED

Custom electric ducted propulsion system for high speed and survivability

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