

AiDEN by NEARHLAB

One Drone, Endless Possibilities



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DESIGN
AWARD
2024



Multipurpose Autonomous Drone Solution

Product Benefit

Precision Crafted in Korea for Unmatched Excellence

Discover the perfect fusion of advanced engineering and portability with our high-quality drones, meticulously crafted in Korea. Weighing under 2 kg and customizable to fit your unique needs, these drones offer exceptional performance across various industries.



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Pushing Boundaries, Unlocking New Possibilities

Elevate efficiency with our groundbreaking swarm technology, allowing simultaneous control of 5+ drones via our proprietary AiDEN stations. Additionally, transform your data into actionable insights with our Zoomable AI-driven analytics platform, enabling smarter and more informed decision-making.

Proven Technology You Can Trust

Rely on our globally recognized autonomous flight technology, trusted by leading industry players for critical operations. Our drones are engineered for consistent and reliable performance, meeting the highest standards in every mission.



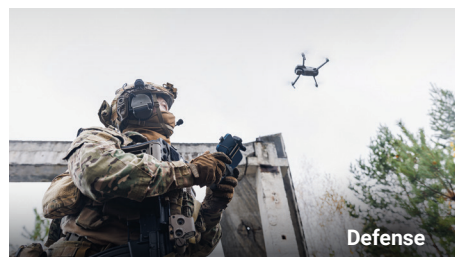
Industry



Wind Turbine, Solar Panel
Oil & Gas Facilities Inspection



Public Safety
Surveillance



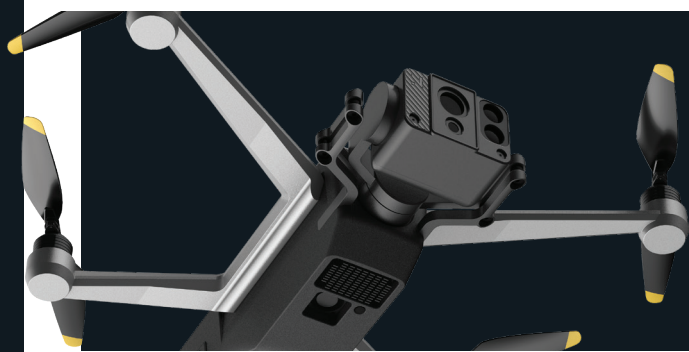
Defense

Product Specification

Experience ultimate versatility with NEARTHLAB's modular drone design, tailored to seamlessly adapt to a variety of missions for every end customer.

Front-Mount Gimbal

Ensures unobstructed, steady camera view



High-Performance Payload

Integrates an advanced sensor module comprising EO/IR camera, LRF, and stereo vision

GENERAL		SENSOR	
Product Dimensions	Unfolded 670×550×120 mm Folded 130×550×120 mm	Image Stabilization	Dual-Axis Pitch and Roll
Weight	1.99 kg (incl. Battery)	Gimbal Pitch Angle	-100° ~ +100°
Flight Time	+30 minutes	Resolution	Optical 64 MP, 67° HFOV Thermal 640 × 512, 32° HFOV
Max. Flight Speed	16 m/s	Laser Range Finder	5 ~ 2,000 m
Max. Wind Speed Resistance	11 m/s		
Max. Communication Range	5 km		

Docking Station

Features a motorized arm that follows the drone during landing

✓ Precision Redefined

With the station as AiDEN's standby point, expect nothing less than precision landing and takeoff. Experience swift deployment and battery swapping, leaving behind the delays from prolonged downtime. At the heart of the station lies a robotic arm. Not only does it act as a stabilizer during landing and takeoff but also performs lightning-fast battery swaps.

✓ Next-Level Portability

Transform any vehicle into a mobile command center by mounting the station. Stack the station on top of the other in case the situation calls for a swarm deployment.

✓ All-Weather Performance

Rain or shine, the station makes sure our drones are kept in tiptop shape. Equipped with an internal cooling system, it maintains the ideal environment for drones and batteries.

