

AiDEN by NEATHLAB

One Drone, Endless Possibilities



reddot winner 2024



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.



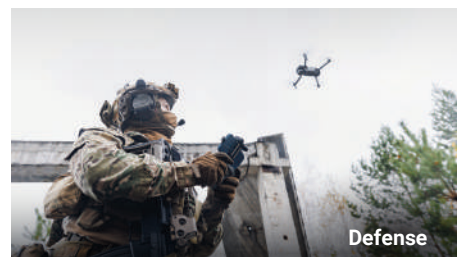
Industry



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	24.06 x 19.33 x 7.64 inch	Image Stabilization	Dual-Axis Pitch and Roll
Weight	4.39 pounds (incl. Battery)	Gimbal Pitch Angle	-100° ~ +100°
Flight Time	+30 minutes	Resolution	Optical 64 MP, 67° HFOV
Max. Flight Speed	35.8 mph		Thermal 640 × 512, 32° HFOV
Max. Wind Speed Resistance	17.9 mph	Laser Range Finder	0.0031 miles - 1.24 miles
Max. Communication Range	1.24 miles *3.11 miles (Optional)		

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.



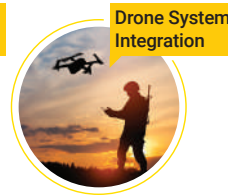
NEARTHLAB Drone Solution

Technology

Recognized by leading global large corporates, NEARTHLAB's cutting-edge drone technology integrates comprehensive drone systems, autonomous flight software, and advanced data management. This powerful combination of drone and AI capabilities is expanding into diverse industries, driving innovation and efficiency.



Autonomous Flight Software



Drone System Integration



Data Management

AiDEN



Powered by computer vision technology, it boasts exceptional obstacle avoidance and motion control capabilities that allow for precise navigation.

AiDEN combines advanced sensors with top-tier hardware to create a versatile drone solution suited for a range of applications.

zoomable™



Cloud-based data management platform where manufacturers, O&Ms, and asset owners manage the inspection data and can connect their ERP system.

Providing a feature that can automatically detect defects through deep learning-based post-data processing.

About NEARTHLAB

Our Approach

At Nearthlab, we believe in the power of smart technology to solve complex problems.

Our drones are built with cutting-edge computer vision and AI algorithms, but they're designed to be easy to use.

With advanced sensors and payloads, they navigate tricky environments effortlessly, capturing the data you need without the hassle.

Global Competence

- 2024
 - Fast Company's The World's Most Innovative Companies
 - WEF Technology Pioneer
 - iF Design Award (AiDEN)
 - Red Dot Design Award (AiDEN)
- 2023
 - Microsoft Growth X Accelerator
- 2022
 - CES Software & Mobile App Innovation Award (NearthWIND MOBILE)
 - Google Kaggle AI Challenge Gold Medalist
- 2018
 - NVIDIA GPU Technology Conference in Silicon Valley Presentation



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FAST COMPANY



Google kaggle
Google AI Kaggle
Gold Medal



Clients



Ministry of National Defense
Republic of Korea

SAMSUNG

HYUNDAI

SIEMENS Gamesa
RENEWABLE ENERGY

SoftBank

RWE

Vestas



Hanwha Systems

LIG Nex1



Pattern



INNERGEX

NAES

ONLYX

