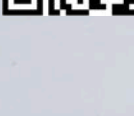


InMotion Robotic Solutions offers state-of-the-art mobile inspection robots that revolutionize the way companies and governments monitor their critical infrastructure and manufacturing & construction processes.

Our cutting-edge technology combines advanced sensors, intelligent software, and robust hardware to deliver unparalleled inspection capabilities.



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Industrial Inspection Challenges

Hazardous Environments

Many industrial settings pose significant risks to human inspectors, including extreme temperatures, high elevations, and exposure to hazardous materials.

Inconsistent Findings

Manual inspections can be subjective and prone to human error, leading to inconsistent results and potential missed defects.

Accessibility Limitations

Confined spaces, narrow passages, and complex machinery can make it difficult for human inspectors to reach and thoroughly examine all critical areas.



Our Robotic Platform

Modular Design

Our robotic platform features a modular design, allowing for easy customization and integration of specialized sensors and tools to meet the unique needs of each customer.

Autonomous Capabilities

Powered by sophisticated AI and machine learning algorithms, our robots can autonomously perform comprehensive inspections, identify anomalies, and generate detailed reports.

Advanced Mobility

With its highly maneuverable limbs and compact size, our robot can navigate through tight spaces and complex environments, accessing hard-to-reach areas with ease.



Key Features and Capabilities

High-Resolution Imaging

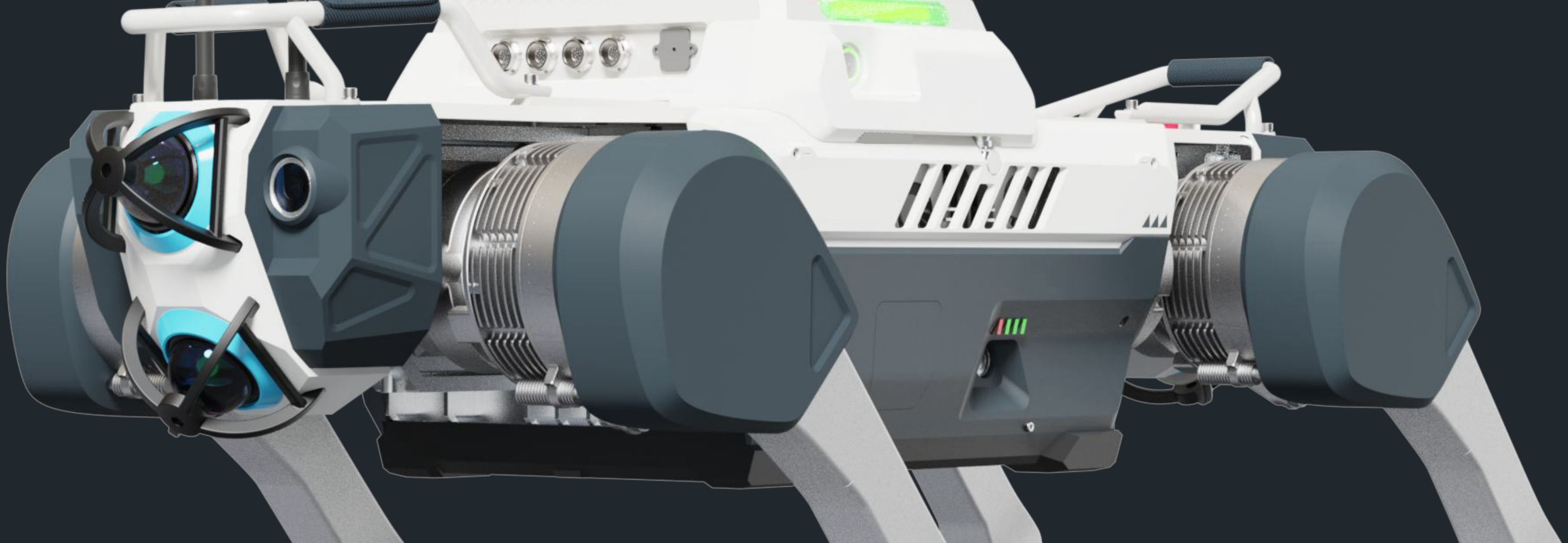
Our robots are equipped with advanced cameras that capture high-quality images and video, enabling detailed visual inspections. RGB and Thermal. Any time - anywhere - any condition.

Defect Detection AI

Sophisticated algorithms analyze sensor data to automatically identify defects, cracks, and other issues, reducing the risk of human error.

Robust Design with IP67 Protection

Our robotic solutions are built with a robust design that ensures durability and reliability. With IP67 protection, our robots are fully sealed against dust and water, making them suitable for use in challenging environments.



Competitive Advantages

Unparalleled Reach

Our robots can access hard-to-reach areas and navigate complex environments, providing comprehensive inspections that human inspectors cannot.

Cost Savings

By reducing the need for manual inspections and the associated labor costs, our robotic solutions deliver significant cost savings for our clients.

Consistent Findings

Automated data analysis and reporting ensure consistent, objective results, minimizing the risk of missed defects or inconsistent findings.

Safety Improvements

Our robots eliminate the need for human inspectors to enter hazardous environments, improving workplace safety and reducing the risk of injuries.

RHINO Product Specification

	Rhino	Rhino Pro
		
Dimension	Standing size 1000*585*470(mm) Weight 56 kg	Standing size 1000*585*470(mm) Weight 56 kg
Motion	Load ≥ 20kg Max. Speed ≥ 4 m/s Slope ≤ 45° Step/Obstacle's H ≥ 20cm	Load ≥ 20kg Max. Speed ≥ 4 m/s Slope ≤ 45° Step/Obstacle's H ≥ 20cm
Protection	Ingress protection IP 67 Temperature -25° ~ 60°	Ingress protection IP 67 Temperature -25° ~ 60°
Battery	Endurance 2.5 - 4h Mileage ≥ 10km	Endurance 2.5 - 4h Mileage ≥ 10km
Navigation	4x LiDAR Camera /	4x LiDAR Camera RTK Module (optional)
Communication	Interface Ethernet Output power supply (72V BAT) Optional: Com I/O suite WiFi/LTE/5G/Mesh	Interface USB2.0 USB3.0 Ethernet WiFi Output power supply (5V 12V 24V) Optional: Com I/O suite WiFi/LTE/5G/Mesh
Integration	✳Karelícs (https://karelícs.fi)	✳Karelícs (https://karelícs.fi)
Industry	Power & Utilities Search & Rescue Industrial & Tunnel Metal & Mining Construction Factory Inspection	Power & Utilities Search & Rescue Industrial & Tunnel Metal & Mining Construction Factory Inspection