

Pioneering Industrial Application of Quadruped Robots

About InMotion Robotic Company

Who we are?

InMotion Robotic stands at the forefront of revolutionizing robotics, crafting and deploying exceptionally agile robots adept at addressing the most formidable obstacles across industries worldwide.

Our Mission

At InMotion Robotic, our mission is to envision and develop extraordinary robots that enhance people's lives. We view this endeavor as the next phase in the evolution of machines, aimed at minimizing the dangers, monotony, and physical challenges of various tasks.

Innovation in Action

Our robots feature advanced mobility, dexterity, and intelligence, making them ideal for automating tasks in unstructured or difficult-to-navigate environments, including industrial plants, construction sites, distribution centres, and warehouses.

Our Vision

We aim to develop robots that integrate effortlessly into our lives and amplify our capabilities. At InMotion Robotic, we are only beginning to explore the possibilities of robotics, and we are enthusiastic about shaping the future for today, tomorrow, and beyond.



Robots that can navigate the same spaces as humans

We aim to build robots that can navigate the same environments as people. Robots often face "dull, dirty, and dangerous" tasks in unpredictable, real-world settings. Our designs focus on dynamic movement and balance in challenging terrains.



Robots in Action

Our quadruped robot, is driving digital transformation for hundreds of clients, including leading global operating rooms & automating strenuous warehouse tasks. The world's most agile humanoid robot, is paving the way for commercial mobile manipulation.



Discover how our robots are being utilized in your **Industry**





Power and Utilities

Quadruped robot dog our vision in the transformation and upgrading of traditional electric power inspection.

Search and Rescue

Quadruped robot dog can go into toxic, hypoxia, collapses, and other post-disaster areas for detection rescue missions for firefighters.





Industry and Tunnel

Quadruped robot dog can assist in the transformation and upgrading of traditional electric power inspection.



Metal and Mining

The quadruped robot dog also has a strong adaptation capability to achieve rapid deployment, high-precision data acquisition, precise inspection, analysis, danger warning, and other efficient intelligent abilities to realize a closed-loop workflow.

Construction

Quadruped robot can work in all weather which can improve the efficiency and productivity of patrol inspection, and prevent equipment failures ahead of time and can continuously collect data.

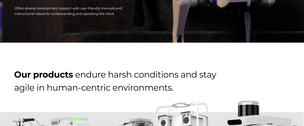


Academia & Education Solution

Offers diverse development support with user-friendly manuals and instructional videos for understanding and operating the robot.



Our products endure harsh conditions and stay agile in human-centric environments.



Industrial Application Quadruped Robots



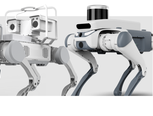
RHINO Quadruped Robot Dog

Rhino quadruped robot, a flagship product designed to meet core industry needs in multiple fields including inspection, investigation, security, surveying and mapping.



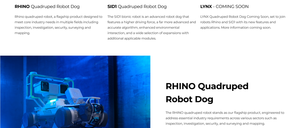
SIDI Quadruped Robot Dog

The SIDI blank robot is an advanced robot dog that integrates effortlessly into our lives and employs advanced and accurate algorithms, enhanced environmental interaction, and a wide selection of expansions with additional applicable modules.



LYNX - COMING SOON

LYNX Quadruped Robot Dog Coming Soon, we're join the revolution of robotics, bringing innovative and agile applications. More information coming soon.



RHINO Quadruped Robot Dog

The RHINO quadruped robot stands as our flagship product, engineered to address essential industry requirements across various sectors such as inspection, investigation, security, and surveying and mapping.

A Flagship Product Born for the Industry.



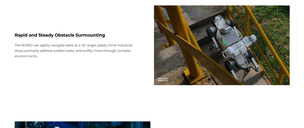
Unstoppable Operation in Extreme Weather

Capable of functioning in temperatures ranging from -20°C to 55°C, with IP67 protection.



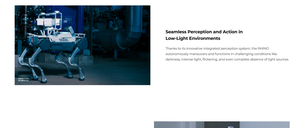
Rapid and Steady Obstacle Surrounding

The RHINO can agilely navigate stairs at a 45° angle, stably climb industrial platforms, address sudden tasks, and swiftly move through complex environments.



Seamless Perception and Action in Low-Light Environments

Thanks to its innovative integrated perception system, the RHINO autonomously maneuvers and functions in challenging conditions like darkness, intense light, flickering, and even complete absence of light sources.



Extended Endurance with Swift Battery Replacement

With a 25% increase in endurance, coupled with the capability for rapid battery swaps, the RHINO ensures uninterrupted operation during emergencies and specialized industry tasks.

Product specification for RHINO Quadruped Robot Dog

Introducing two models: the RHINO Quadruped Robot Dog and its advanced version, the RHINO Pro, each with unique specifications.

Dimension	**Motion**	**Protection**	
Unfolded size	760*380*400mm	Ingress protection	IP67
Folded size	380*380*400mm	Temperature range	-20°C~55°C
Weight	30kg		
Joint	12		
DOF	18 (Standard) 21 (Optional)		
Battery	**Communication**		
Endurance	Walking: 2.5h (Standard) 3h (Optional) Standby: 4h (Standard) 5h (Optional)		
Charge	1.5h		
Type	Hot-swappable		



RHINO Quadruped Robot Dog

Quadruped robot, a flagship product designed to meet core industry needs in multiple fields including inspection, investigation, security, surveying and mapping.

Dimension	**Motion**	**Protection**	
Unfolded size	760*380*400mm	Ingress protection	IP67
Folded size	380*380*400mm	Temperature range	-20°C~55°C
Weight	30kg		
Joint	12		
DOF	18 (Standard) 21 (Optional)		
Battery	**Communication**		
Endurance	Walking: 2.5h (Standard) 3h (Optional) Standby: 4h (Standard) 5h (Optional)		
Charge	1.5h		
Type	Hot-swappable		



RHINO Pro Quadruped Robot Dog

Quadruped robot, a flagship product designed to meet core industry needs in multiple fields including inspection, investigation, security, surveying and mapping.



SID1 Quadruped Robot Dog

The SID1 scenic robot represents a leap in robotics technology, boasting increased driving force, advanced algorithms for precision, expanded environmental interaction capabilities, and a vast array of compatible modules for endless customization possibilities.

Unprecedented Mobility, Customize to Unleash Creativity



Enhanced Driving Force

With a 30% increase in joint torque, the system offers exceptionally high torque density, rapid response bandwidth, and improved reverse transmission efficiency.

Advanced Algorithm

Now more agile and responsive, offering improved sumo capabilities and enhanced maneuverability.





Enhanced Interaction

Improves real-time image transmission performance for first person view, reducing latency.

Expansion

Supports additional modules for limitless customization.



SID1 Basic Product specification for Quadruped Robot Dog

Introducing 4 models the SID1 Basic, SID1 Venture, SID1 Pro, SID1 LIDAR Quadruped Robot Dog and each with unique specifications.

Product specification

Basic | Venture | Pro | LIDAR

Dimension	Motion
Standing size 616mm(L)*344mm(W)*644mm(H)	Load(continuous) 7.5kg
Weight 13kg	Slope 40°
	Stair 15cm

Battery	Communication
Endurance 1.5h-2h	Interface /
Mileage 5km	



SID1 Venture Product specification for Quadruped Robot Dog

Introducing 4 models the SID1 Basic, SID1 Venture, SID1 Pro, SID1 LIDAR Quadruped Robot Dog and each with unique specifications.

Product specification

Basic | Venture | Pro | LIDAR

Dimension	Motion
Standing size 616mm(L)*344mm(W)644mm	Load(continuous) 7.5kg
Weight 12.2kg	Slope 40°
	Stair 15cm

Battery	Communication
Endurance 1.5h-2h	Interface Ethernet, Keyapp(bluetooth)
Mileage 4km	



SID1 Pro Product specification for Quadruped Robot Dog

Introducing 4 models the SID1 Basic, SID1 Venture, SID1 Pro, SID1 LIDAR Quadruped Robot Dog and each with unique specifications.

Product specification

Basic | Venture | Pro | LIDAR

Dimension	Motion
Standing size 616mm(L)*344mm(W)644mm	Load(continuous) 5.5kg
Weight 12.7kg	Slope 40°
	Stair 15cm

Battery	Communication
Endurance 1.5h-2h	Interface USB3.0, HDMI, Ethernet, Output (5V/2A)
Mileage 3.4km	



SID1 LIDAR Product specification for Quadruped Robot Dog

Introducing 4 models the SID1 Basic, SID1 Venture, SID1 Pro, SID1 LIDAR Quadruped Robot Dog and each with unique specifications.

Product specification

Basic | Venture | Pro | LIDAR

Dimension	Motion
Standing size 616mm(L)*344mm(W)644mm	Load(continuous) 5.5kg
Weight 13.7kg	Slope 40°
	Stair 15cm

Battery	Communication
Endurance 1.5h-2h	Interface USB3.0, HDMI, Ethernet, Output (5V/2A)
Mileage 2.7km	



LYNX

Quadruped Robot Dog
COMING SOON!

Technology Partners

We collaborate with industry leaders to develop and implement cutting-edge solutions that drive innovation and excellence in our products.

Karotics KINOVA BOW SONY

Let's stay in touch!

Contact us for more information, we will be happy to meet your needs.

Company Name

INMotion Europe - Gesellschaft für neue Technologien GmbH

Contact

E-Mail: info@inmotionrobotic.com

Address

Nextower Collection Business Center - Address: Thurn-und-Taxis-Platz 6, 60313 Frankfurt am Main, Germany

