

INFFNI

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ROVER X1 EXPLORER

Quadruped Robots for **Real Operational Value**

ROVER X1 EXPLORER

Rover X1 combines multi-sensor vision, built-in AI capabilities, and a stable locomotion system to move confidently across complex terrain. With RGB-D perception available out of the box, developers can easily access environmental data and quickly build applications such as obstacle avoidance, visual following, and voice interaction—making industry development fast and easy to get started.



Wheel-leg switching



Front & Rear Cameras



Front & Rear Depth
Cameras



Visual Following



Voice Interaction



Obstacle Avoidance



Long-Range Battery



Flipping Joint
Design



Wheel-Leg Hybrid, Built for Multi-Terrain Mobility

Rover X1 can perform equipment inspection and data collection in complex environments, improving inspection efficiency while reducing risks for human workers.



Front & Rear Cameras

Front & Rear
Depth Cameras

Flagship Sensors Built In

With front and rear cameras plus depth sensors, Rover X1 provides rich RGB-D perception out of the box. It detects obstacles and understands terrain without requiring additional external hardware.



Visual Following

AI Capabilities as Standard

Rover X1 comes ready with built-in AI, including obstacle avoidance, visual following, and voice interaction. This makes the robot easy to use and simple to integrate into real-world applications.

UNIFIED SDK, BUILT FOR EXTENSIBILITY

Rover X1 offers a unified SDK that connects high-level task orchestration with low-level real-time control, enabling faster development from prototype to real-world deployment. With built-in support for hardware expansion—such as LiDAR, infrared cameras, and loudspeakers—developers can easily extend the robot's capabilities for a wide range of applications.



APPLICATIONS



Industrial Inspection



Rescue



Commercial Engagement



Education & Research

Item Name		Rover X1 Explorer	
		Point-Leg	Wheel-Leg
Product Specs	Standing Size	761 x 372 x 428mm	761 x 440 x 516mm
	Net Weight	15.5kg	18.5kg
Battery	Capacity	8000mAh	
	Playtime	3h	
Mobility	Max Speed	1.8m/s	3m/s
	Load	3~7Kg	
	Max Climb Angle	30°	35°
	Step/Obstacle Height	16CM	
AI Intelligence	Route Planning	In Follow Mode: route planning & auto obstacle avoidance	
Imaging	Resolution	1920x1080, 30fps	
	Photo / Video	Supported, front and rear cameras	
Remote Control		App Wi-Fi, OTA upgradeable to 4G remote control	
Dog-like Actions		Raise paw, dance in place, forward jump	/
Follow Mode		Yes, visual following	
Secondary Development		Yes	

Talk To Our Expert

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