INFFNI

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ROVER X1 EXPLORER

Quadruped Robots for Real Operational Value

Talk To Our Expert

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ROVER X1 EXPLORER

INFFNI ROVER X1 integrates multi-sensor vision, built-in AI, and a stable locomotion system to move confidently across complex terrain. With out-of-the-box RGB-D perception, developers can directly access environmental data and rapidly build applications—such as obstacle avoidance, visual following, and voice interaction—streamlining development and accelerating real-world deployment.

- 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

Combines leg agility with wheel efficiency for stable traversal of stairs and complex terrain. Switch to wheel mode for faster, smoother mobility.



Flagship Sensors Built In

Combines leg agility with wheel efficiency for stable movement on stairs and complex terrain. Switch to wheel mode for faster, smoother mobility.



AI Capabilities as Standard

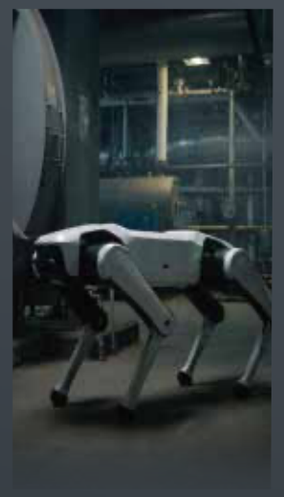
Rover X1 features built-in AI for obstacle avoidance, visual following, and voice interaction—enabling easy deployment and seamless integration into real-world applications

UNIFIED SDK, BUILT FOR EXTENSIBILITY

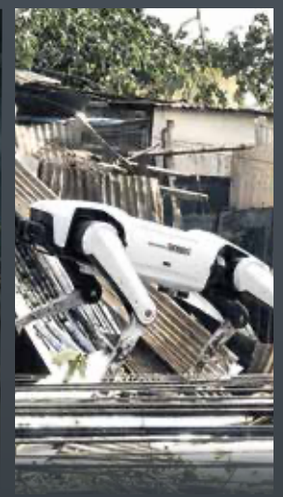
Rover X1 provides a unified SDK connecting high-level orchestration to real-time control, speeding prototype-to-deployment. Built-in hardware expansion support (e.g., LiDAR, IR cameras) allows flexible capability extension for diverse applications.



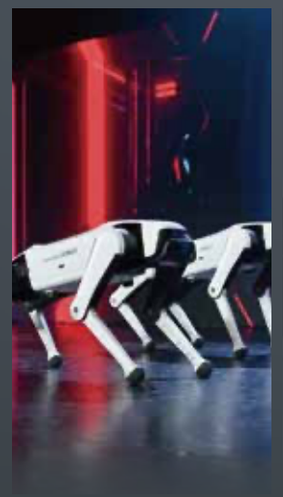
APPLICATIONS



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 156mm
	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	