MOVENEW T1

All-Domain Perception Mobile Agent

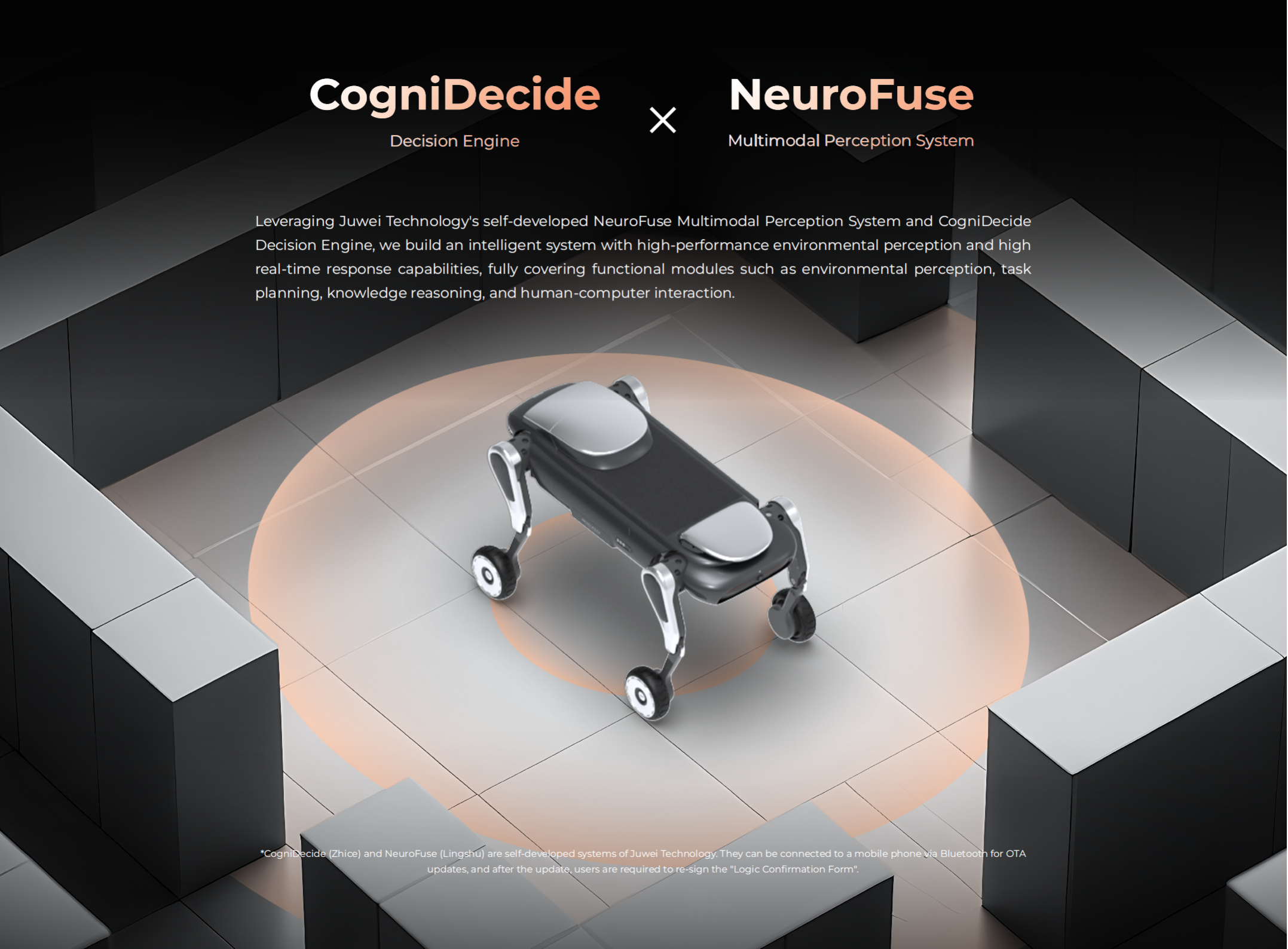


CogniDecide × NeuroFuse

Decision Engine

Multimodal Perception System

Leveraging Juwei Technology's self-developed NeuroFuse Multimodal Perception System and CogniDecide Decision Engine, we build an intelligent system with high-performance environmental perception and high real-time response capabilities, fully covering functional modules such as environmental perception, task planning, knowledge reasoning, and human-computer interaction.



*CogniDecide (Zhice) and NeuroFuse (Lingshu) are self-developed systems of Juwei Technology. They can be connected to a mobile phone via Bluetooth for OTA updates, and after the update, users are required to re-sign the "Logic Confirmation Form".

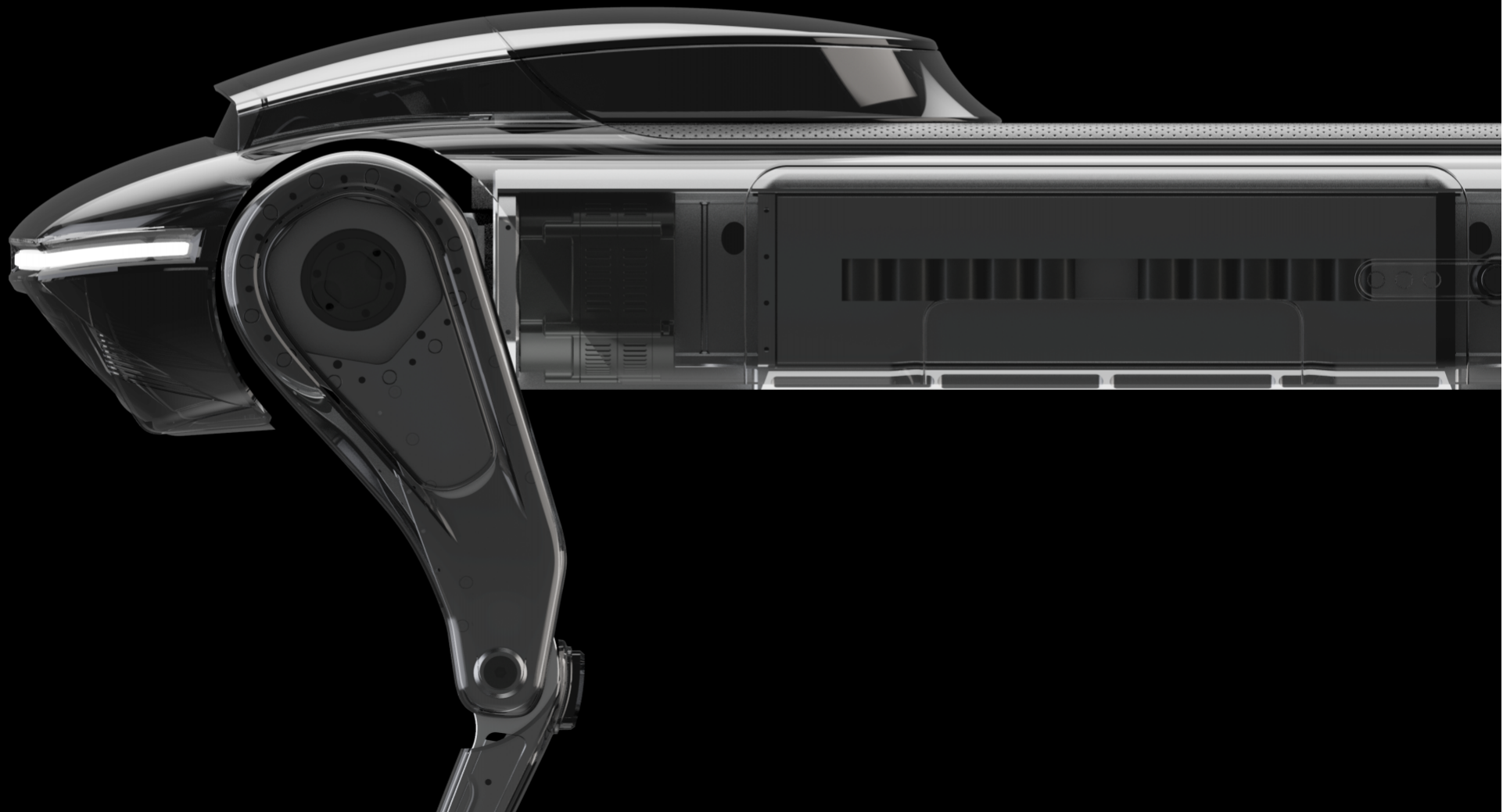
DynaCore Whole-Body Motor System

Motion control and coordination are based on the whole-body motion model architecture of the DynaCore System, enabling the robot to achieve highly dynamic, highly stable, highly balanced, and highly energy-efficient motion characteristics, thus redefining the limits of bionic motion.



DynaForce Joint Module

The DynaForce Series Joint Modules, adopting a mechatronic-electro-thermal-magnetic integrated architecture and integrating high-density magnetic circuit topology technology, deliver high torque, high responsiveness, and high precision while achieving ultimate lightweight design, high efficiency, and low heat generation, thus redefining high load capacity and long endurance.



Pioneering Modular Endurance Architecture

Equipped with high-density solid-state dual batteries and a modular quick-swap architecture, it supports hot-swappable battery replacement and provides external battery solutions. Featuring automotive-grade power output standards (supporting AC220V / 12V DC OUTLET dual-mode), it is compatible with multi-scenario devices via a quick interface matrix, with a single-charge endurance of up to 12 hours.



*Endurance parameters are official test data and may vary under actual operating conditions.
*China/Southeast Asia: 220V ±7% (GB/T 12325-2008); North America: 120V/240V; EU: Nominal 230V ±10% (actually compatible with 220V).
*12V DC OUTLET - 10A maximum, compliant with ISO 4165.

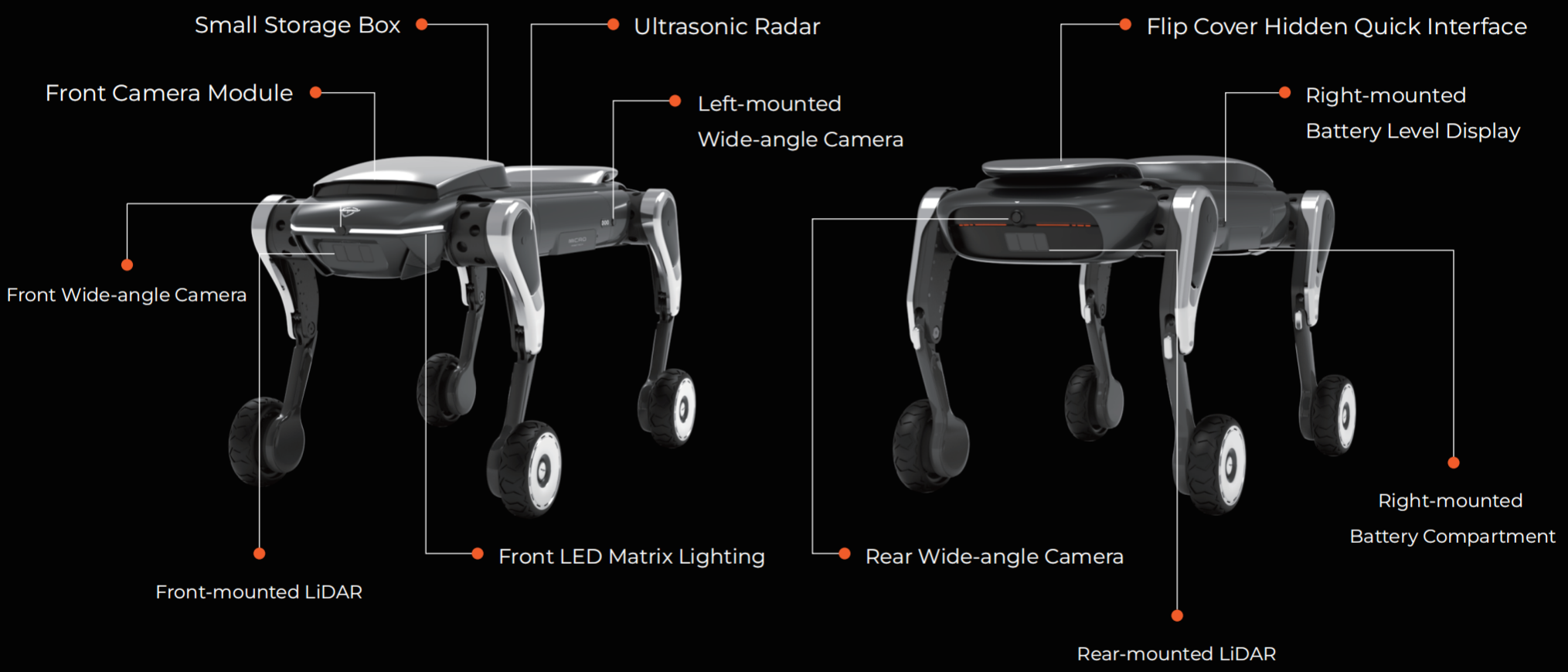
Standard-equipped superior perception hardware

Automotive-grade LiDAR × 2 | High-precision Depth Camera × 1 | Ultrasonic Radar × 4 | Wide-angle Camera × 4

Equipped with automotive-grade LiDAR × 2 (front-rear layout) + high-precision depth camera × 1 (front-mounted) + ultrasonic radar × 4 (360° surround view) + wide-angle camera × 4 (full-domain coverage), the "Visual + Laser + Ultrasonic" triple perception system enables centimeter-level environmental modeling and millisecond-level dynamic response.



MOVENEW T1 Appearance And Function



Parameter Information

Mechanical	Standing Dimensions	800 mm × 600 mm × 540 mm
	Folded Dimensions	1025 mm × 750 mm × 150 mm
	Weight (with Battery)	40 - 50 kg
Electrical	Battery Capacity	3.5 / 4.5 kWh
		Supply Voltage: 72 V
Performance	Max. Platform Speed	18 km/h
	Max. Endurance	≤ 12 h
	Max. Standing Load	100 kg
	Continuous Walking Load	50 kg
	Stair Climbing	Max. Step Height: 25 cm
	Obstacle Climbing	Forward ascent/descent: 40 cm step
	Operating Temperature	-40℃ ~ 55℃
	Slope Climbing	≤ 45°
	Computing Power	181 TOPS
Actuator	High-performance Motors	16 units
	Wheel Diameter	180 mm
	Max. Torque	380 N·m
	Max. Wheel Speed	131 rad/s
Protection	Protection Rating	IP68

Sensors	High-precision Depth Camera	•
	Automotive-grade LiDAR	•
	Ultrasonic Radar	•
	360° Surround View	•
Lighting	Front Digital Matrix LED	•
	Rear LED Warning Light	•
Functionality	Basic Locomotion	•
	OTA Update	•
	APP Support	•
	Handheld Remote Controller	•
	Bluetooth 5.4	•
	Top Mount Expansion	•
	Undercarriage Expansion	•
	Secondary Development	•
Others	Expansion Module	Jetson Orin NX Super
	Battery Type	NMC/Solid-State Li-ion
	Charger	Fast Charging
	Warranty Period	1 year

*All parameters are official test data, and actual operation may have deviations due to the environment and optional configurations.
*Kind reminder: Due to current technological and computing power resources, some functions require manual operation or secondary development for implementation.
*This product is a civilian robot product; please do not modify or use the robot in a dangerous manner.
*Before use, please visit Juwei Technology's official website (www.microrobotech.com) to learn more about product-related terms and policies, and comply with the laws and regulations of respective regions.

Multi-scenario applications

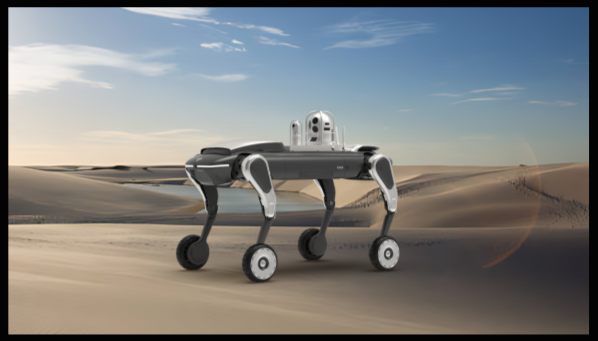
Higher load capacity, larger space, longer endurance—exploring ultimate performance and possibilities in more scenarios.



Outdoor Camping



Factory Inspection



Emergency Relief



Commercial Surveying And Mapping



Scientific Research Assistance



Logistics Distribution

*For scenario applications, please visit Juwei Technology's official website (www.microrobotech.com) to learn more about product technical parameters, solutions, relevant terms and policies. Please comply with the laws and regulations of respective regions.

MOVENEW T1 Optional list

New Mobility, New Solutions



CarbonMirror

JW393

7075 -T6 + PVDF



TerminalAmber

JW146

JW397



LiquidCitrine

JW119

JW397



BallisticObsidian

JW146

JW397

Color

JW397

JW302

JW119

JW279

JW146

Custom-tailored production

*Custom exterior coating may be affected by ambient light sources and material batches, and the actual color may differ from the renderings.

Textures

Aluminum alloy 7075 - T6

Magnesium alloy sheet AZ80A - T6

304 Stainless steel

Carbon fiber cello T700

Alpha-Beta TI - 6Al - 4V

Biology base PLA

HUB







Underboarding

70-90 Shore A

Italian Saddle Leather

Alcantara

MICRO
ROBOTECH

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