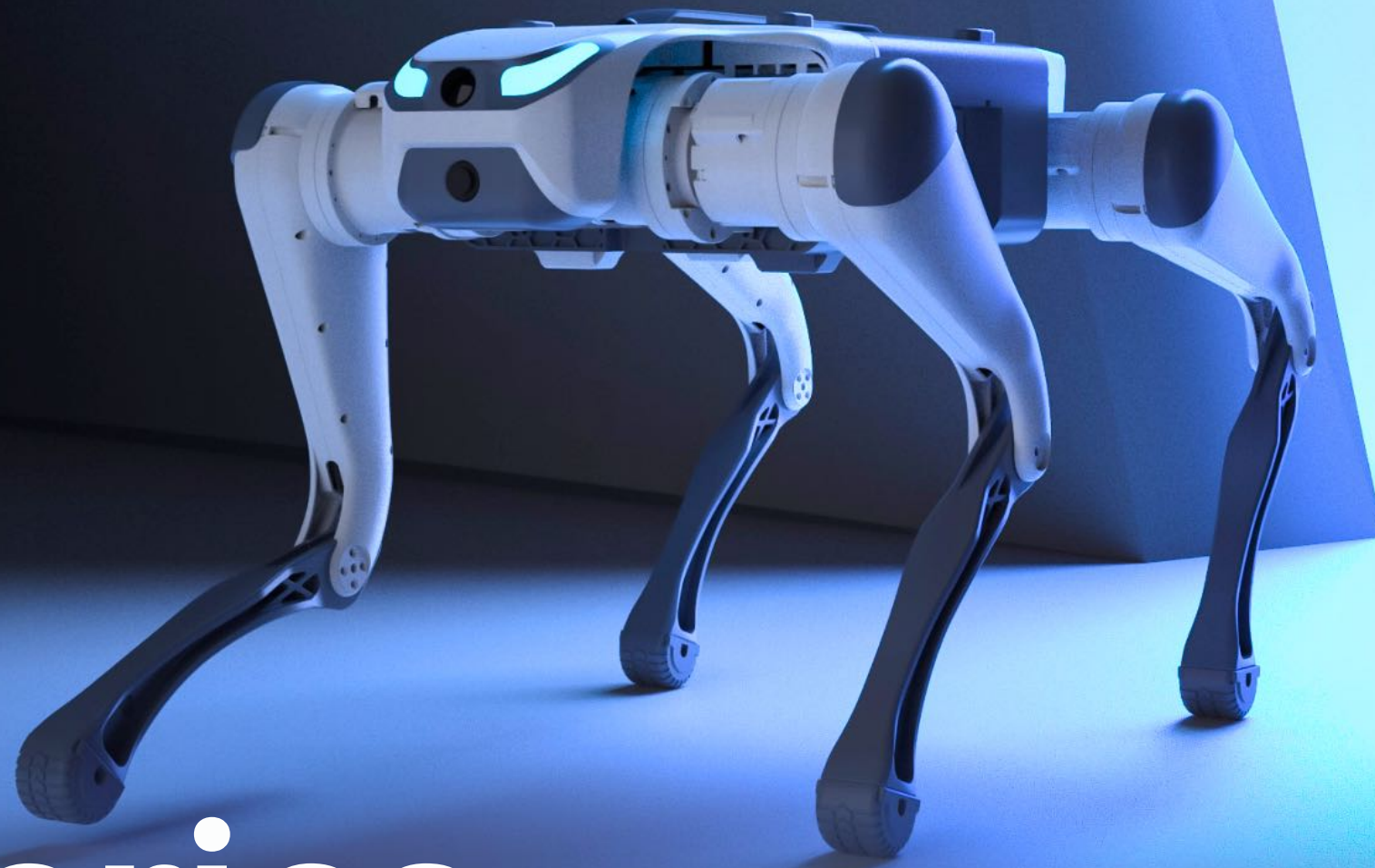




SID1 Series

Commanding Torque, Superior Power Delivery

- Industry-leading torque density and response bandwidth
- **40% increase** in maximum walking load capacity to **7.5 kg**
- Operation time **doubled** to 90 minutes with a range of **5 km**



Enhanced Intelligence and Dynamic Movement Capabilities

- **Breakthrough AI Algorithm**
Enables all-terrain mobility and ensures stable trick performance.
- **Advanced Maneuvers**
Supports high-difficulty moves, including handstands and upright balancing.
- **18 cm Obstacle Clearance**
Features industry-leading capability for quadruped robots.
- **Interactive Gestures**
Executes a variety of gestures such as bows, heart signs, moonwalking, and more.
- **Expandable AI Gaits**
Unlocks additional movement patterns, facilitating the discovery of new capabilities.

Multi-Modal Perception for Comprehensive Safety



Front/rear obstacle detection and stopping



Visual recognition and following



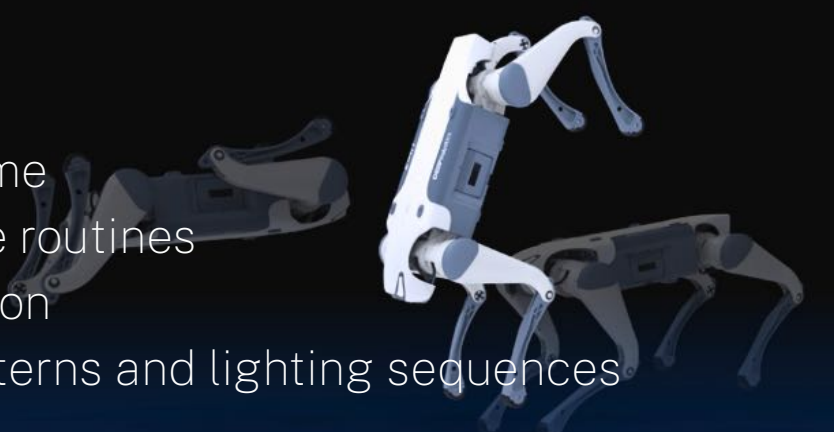
Forward obstacle avoidance



Autonomous navigation

Seamless Human-Machine Integration, Delivering Advanced Interactive Capabilities

- State-of-the-art traction system that actively adapts to diverse terrain conditions in real-time
- Precision voice-command functionality enabling full control of movement and performance routines
- Sophisticated light-based communication interface for enhanced human-machine interaction
- Advanced choreography system that delivers precise control over synchronized motion patterns and lighting sequences
- Premium integrated Hi-Fi speaker system for rich audio output



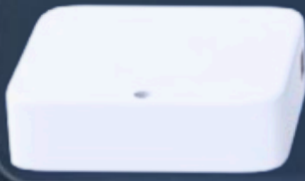
Superior Industrial-Grade Control Performance Through Advanced Computing Architecture

- **Precision-Engineered IMU**
Delivers unmatched stability and positioning accuracy through dual-system evolution
- **Powerfully Optimized Kernel**
Robust industrial real-time control system built on advanced core architecture
- **Lightning-Fast Communication**
Achieves exceptional responsiveness with ultra-real-time communication at 1 kHz frequency



Powerful Modular Architecture Enabling Unlimited Expansion

- Seamlessly integrates a wide array of specialized modules and diverse sensor types
- Delivers robust perception development interfaces (SDK/API) for maximum customization
- Drives sophisticated perception development including precise visual positioning and comprehensive environmental reconstruction
- Ensures continual performance enhancement through streamlined OTA upgrades, delivering ongoing functional evolution and improved user experience



SID Series	BASIC	VENTURE	PRO	LiDAR2
Standing Size	0.61 m × 0.37 m × 0.406 m	0.61 m × 0.37 m × 0.445 m	0.61 m × 0.37 m × 0.45 m	0.61 m × 0.37 m × 0.496 m
Weight (Incl. Battery)	12 kg	12.2 kg	12.9 kg	13.5 kg
Motion Endurance	1.5–2 h			
Endurance Mileage	5 km	4 km	3.4 km	2.7 km
Slope	40°			
Stair-climbing Height	18 cm			
Walking Load	5 kg	4.5 kg	4 kg	2.5 kg
Perception Functions	Front/Rear Obstacle Stop, Visual Following	Front/Rear Obstacle Stop, Visual Following	Front/Rear Obstacle Stop, Visual Following, Forward Obstacle Avoidance	Front/Rear Obstacle Stop, Visual Following, Forward Obstacle Avoidance, Auto Navigation
Hardware Interfaces	—	Ethernet×2; External Power Input (24V/12V/5V)	USB 3.0; HDMI; Ethernet; External Power Input (24V/12V/5V); Power Connector	USB 3.0; HDMI; Ethernet; External Power Input (24V/12V/5V); Power Connector
Secondary Development	Provides models, motion control SDK and APIs, as well as perception development interfaces with sample code			

