

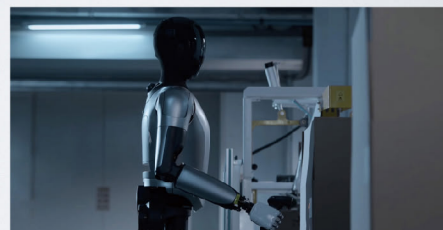
魔法原子科研教育解决方案 助力具身智能前沿探索

多样化高性能机器人平台，专为前沿算法验证与创新教学而设计
加速科研成果落地与人才培育



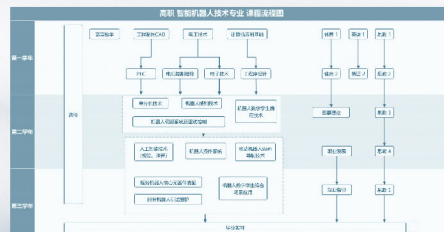
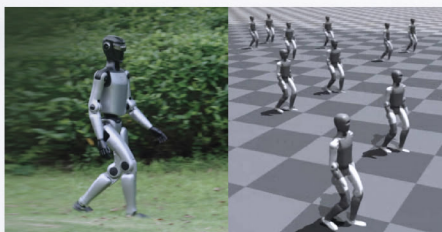
核心功能

- 卓越运动性能：** 超高自由度，超大运动范围，超强关节扭矩，实现全身动态动控研究。
- 稳定可靠基石：** 历经百万严苛测试，强化跌落防护，系统稳健运行，保障连续高强度实验。
- 多维环境感知：** 融合激光雷达、深度相机等，支撑多模态感知与交互算法研究。
- 开放创新生态：** 开源高层服务与底层控制等API接口，共享丰富数据集，激发科研深度与教学广度。
- 多元场景实战：** 支撑运动控制、感知导航、人机交互、操作技能等前沿课题开发，无缝衔接研究与应用。



配套无忧

- 强大仿真支撑：** 兼容Isaac等主流环境，提供多样化数据集，加速算法迭代与预验证。
- 高效开箱即用：** 预装基础系统，配备详尽开发文档与多媒体教程，实现场景化快速部署。
- 服务响应承诺：** 专业团队提供高效售前支持与极速售后响应，技术保障专、快、全。
- 扩展创造自由：** 支持硬件扩展定制、完善开发工具流程，满足特定研究需求，创新边界由您定义。



MagicLab's Education Solutions Empowering the Exploration of Embodied AI

A diversified and high-performance robotics platform designed for cutting-edge algorithm validation and innovative education, accelerating the transformation of research into real-world applications and fostering future talent.



Core Strengths

Exceptional Mobility Performance: With ultra-high degrees of freedom, an extended range of motion, and powerful joint torque, the robot enables full-body dynamic motion control research.

Stable and Reliable Hardware: Rigorous tests through millions of motion cycles, reinforced fall protection and robust system operation ensure continuous and high-intensity experimentation.

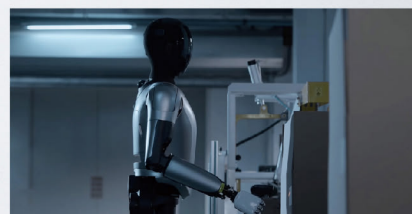
Comprehensive Environmental Perception: Integrates LiDAR, multi-view cameras, depth vision, and microphone arrays to support advanced multimodal perception and interaction algorithm research.

Open and Innovative Platform:

Provides open-source APIs for core modules such as motion control and navigation, along with shared datasets and algorithms — fostering deeper research and broader educational engagement.

Multi-Scenario Application:

Supports cutting-edge research including motion control, autonomous navigation, human-robot interaction and manipulation skills — seamlessly bridging research and real-world deployment.



Worry-Free Support

Powerful Simulation Compatibility: Fully compatible with mainstream platforms such as Isaac Sim, offering diverse datasets to accelerate algorithm iteration and pre-verification.

Efficient Out-of-the-Box Experience: Pre-installed with essential systems and bundled with comprehensive documentation and multimedia tutorials, enabling rapid and scenario-based deployment.

Service Commitment: A professional team delivers efficient pre-sales support and rapid post-sales response, ensuring fast, comprehensive, and expert technical service.

Freedom to Create and Expand: Supports in-depth hardware customization and rich sensor expansion to meet specific innovation and research needs.

