



NERO 7-DoF Robotic Arm

Engineered for Embodied AI and Humanoid Robotics, NERO's fully open architecture features a lightweight design with 7-DoF. Flexible solution for rapid, easy deployment for academy and R&D labs.

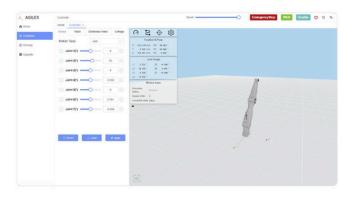


Performance & Precision

NERO features a **7-DOF** humanoid structure, engineered for exceptional spatial reach and dexterity. Utilizing self-developed motors, the **4.8kg lightweight** body stably supports a **3 kg payload**, paired with **± 0.1 mm repeatability**.

Full-Stack & Flexible Deployment

Full-stack control via CAN/HTTP/TCP, plus intuitive modes: Drag-and-Teach, Offline Trajectory, API. Seamlessly compatible with Python SDK & ROS1/ROS2, and easily integrates with AgileX mobile chassis for a complete Embodied Platform.



Innovation Platform

NERO accelerates research across key domains: Embodied AI, Humanoid Robots , Imitation/Reinforcement Learning and precision interaction. It enables end-to-end capability validation from perception and cognition to action execution.

KEY ADVANTAGE



7-DoF achieves dexterous & human-like wrist performance



Modular interface compatible with grippers, dexterous hands, etc.

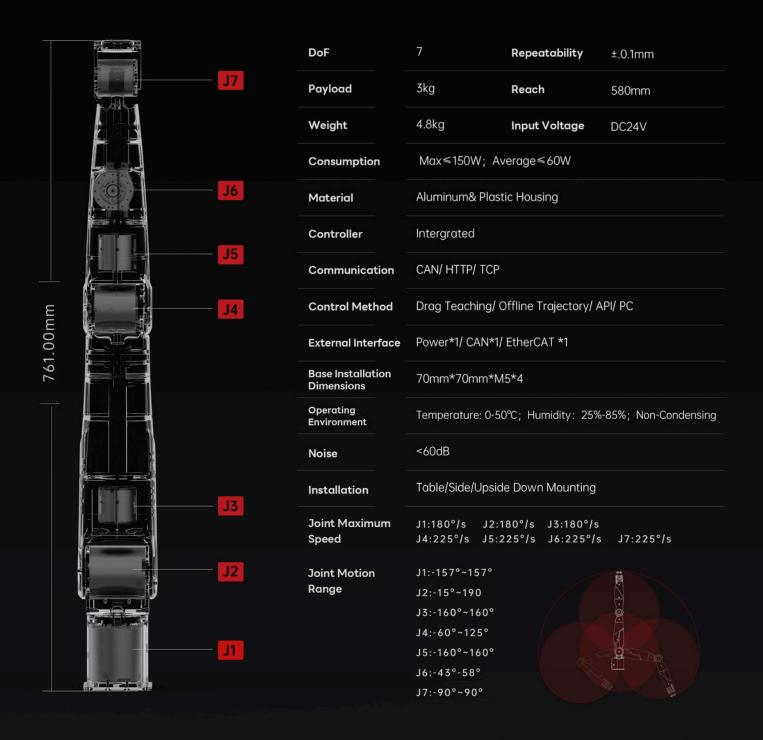


Delivers high-quality physical interaction datasets





NER Parameter Configuration



The parameter configuration information shown on this page is for reference only, and is subject to actual product delivery.

Generation ROBOTS

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