

Research & Education Kit

# Autonomous Platform Embodied Data Collection

**Research & Education Kit** Ready-to-use robot development platform, integrated mobile base and multi-sensor system, pre-installed ROS environment. Enables rapid autonomous mobility and perception experiments for academia and research.

**Embodied AI Kit** The mobile manipulation system bases on the ALOHA platform, which designed for dual-arm collaboration and teleoperation research. It supports teleoperation and autonomous operation for research and education.

## Mobile Manipulation

Integrates mobile bases, robotic arms, sensors, and computing platforms with ROS and simulation tools for algorithm development and system expansion.

## Hardware-Software Integration

Pre-installed ROS environment with high-performance computing and multi-sensor integration (LiDAR, vision, IMU), ready for education and research out of the box.

## Autonomous Navigation

Supports SLAM mapping, path planning, and dynamic obstacle avoidance for stable autonomous navigation in complex environments.



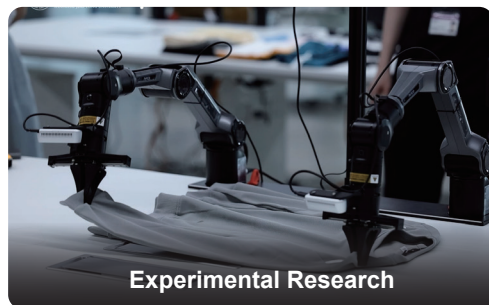
\* Configurations, appearance, and specifications shown are for reference only and subject to actual product delivery.

# Desktop ALOHA

A lightweight and standardized dual-arm teleoperation platform featuring two integrated 6-DOF Piper robotic arms, delivering high integration and stable performance. Designed for easy deployment and excellent scalability, it is ideally suited for desktop-level teleoperation research and application validation scenarios.

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**Quick Assembly And Deployment**  
 Modular design and standard components enable fast prototyping.
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**Faster Development and Easier Getting Started**  
 Provides development interfaces and sample programs.
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**Modular Expansion And Adaptation**  
 Facilitates iterative validation of embodied task scenarios.

## APPLICATIONS ▾



## HARDWARE SPECS

### Robotic Arm

PIPER \* 4



### End Effector

Teacher Pendant\*2



### Accessories

Clamp\*8



### Sensor

Depth Camera\*3



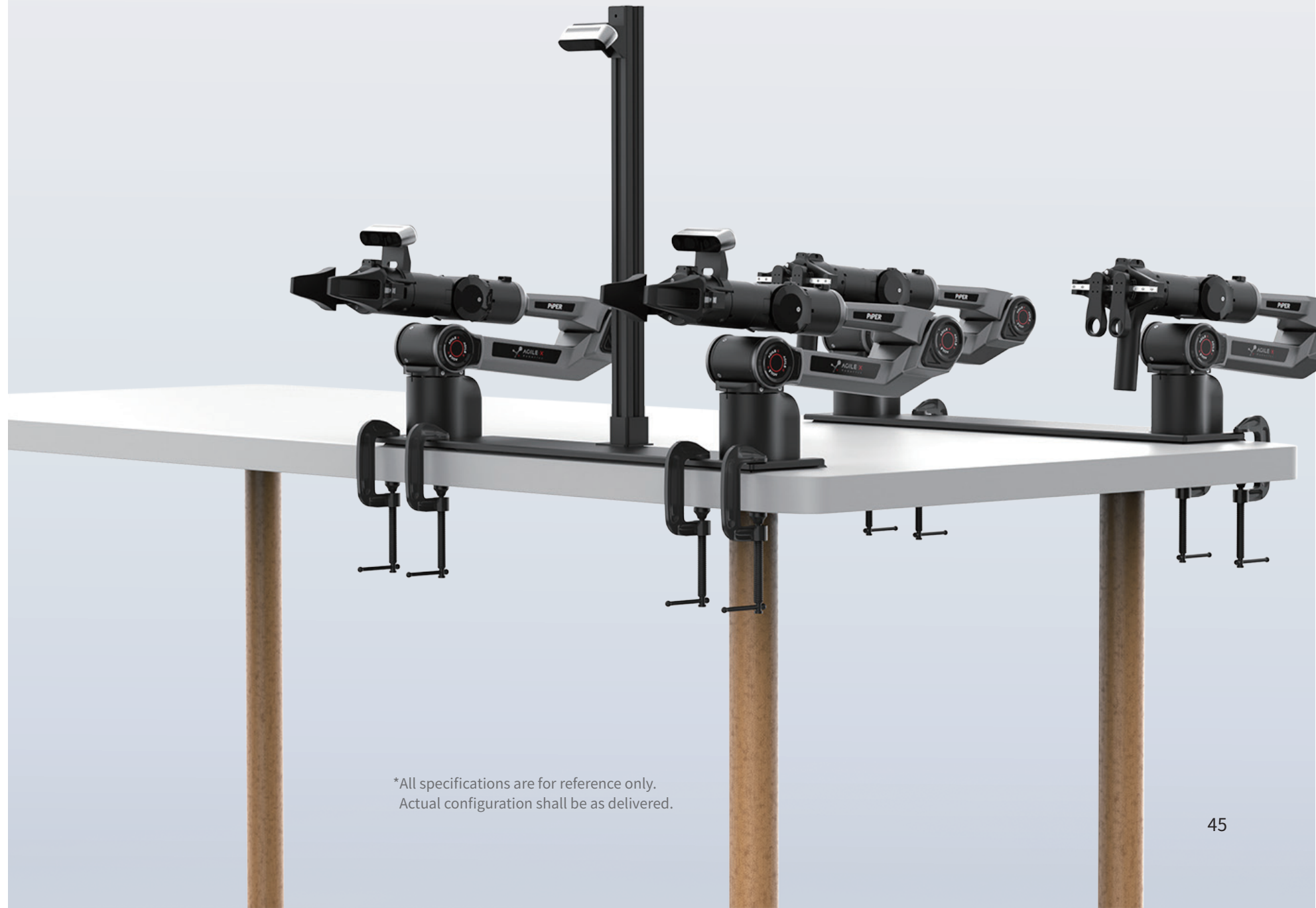
### End Effector

Gripper\*2



### Console

Desktop Stand \*1



\*All specifications are for reference only.  
Actual configuration shall be as delivered.