seeed studio

INDUSTRIAL PRODUCT DATASHEET

SO-ARM101 Bimanual Robot Arm Kit

A complete bimanual robot arm kit for dual-arm teleoperation, LeRobot-based robot learning, and everyday dual-arm manipulation tasks.

SKU	UPDATED	PRICE
E26102702	2026-10-29 03:51:51	$0.00(Excl. VAT)



Overview



The SO-ARM101 Bimanual Robot Arm Kit includes two SO-ARM101 leader-follower arm pairs (four robotic arms in total), providing a ready-to-build hardware platform for dual-arm teleoperation, bimanual manipulation, and robot learning. It is compatible with the open-source LeRobot framework for data collection, imitation learning, policy training, and deployment, and supports applications such as dual-arm everyday tasks and advanced projects like XLeRobot.

Key Features

01 **Complete Bimanual Robot Arm Kit**

Includes two SO-ARM101 leader-follower arm pairs (four robotic arms in total), providing a ready-to-build hardware platform for dual-arm teleoperation, bimanual manipulation, and robot learning.

02 **Integration with LeRobot**

Compatible with the open-source LeRobot framework, providing access to tools and models for robot control, dataset collection, imitation learning, policy training, and deployment.

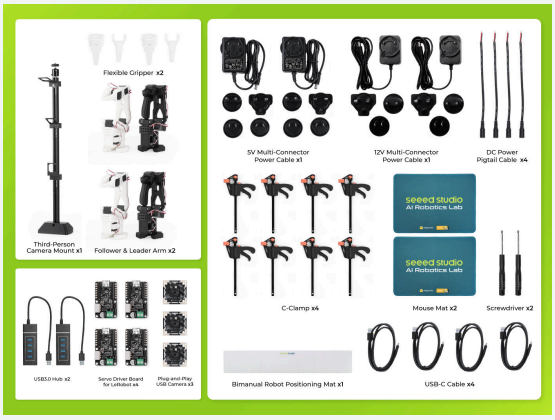
03 **Open-Source & Community-Driven**

Built on the SO-ARM101 open-source ecosystem, with a growing collection of community projects, shared code, and learning resources. Developers can reproduce existing projects, customize their setups, and explore new embodied AI applications.

04 **Step-by-Step Tutorials & Room to Grow**

Get started with Seeed Studio's detailed Wiki tutorial and video guides to set up your robot and reproduce bimanual manipulation tasks. Once you're comfortable with the basics, explore more advanced projects like XLeRobot, which extends dual-arm robotics with a mobile base for more versatile embodied AI applications.

Product Gallery



Applications

- **Dual-arm robot learning workflow with SO-ARM + LeRobot:** Learn how to build a dual-arm robot learning workflow with SO-ARM + LeRobot — including hardware setup, teleoperation, demonstration data collection, ACT imitation learning, and real-world deployment.
- **Dual-arm SO-101 everyday tasks:** The dual-arm SO-101 can help you accomplish many everyday tasks, such as cleaning your desk and tidying up the house — and it also serves as the foundation for more complex embodied intelligence.

Resource Links

- https://www.seeedstudio.com/SO-ARM101-Bimanual-Robot-Arm-Kit.html
- STS3215 Servo Motor Datasheet
- Finedtune 3D printed parts files
- Original SO-ARM101 3D printed parts
- Servo Adaptor Board for Seeed Studio XIAO Datasheet
- reComputer J301x Datasheet
- reComputer J401X Datasheet
- reComputer_mini_datasheet_V1.0

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