ALOHA

WidowX Leader Arm

FEATURES

6 Degrees of Freedom (DoF)

650mm Reach

1300mm Span

1mm Repeatability

5-8mm Accuracy

UPGRADED HAPTICS AND JOINTS

- Compression-proof bearings with no risk of over tightening or wearing out over thousands of hours of use
- Dual industrial-grade rails and carriages
- New, easily swappable 3D-printed ergonomic handles and finger paddles with universal mounting brackets for support of custom handles and finger paddles.
- New all-metal bracket joints

Easily Repairable

The X-Series arms are made for the lab, our arms are intended to be worked on and we've made it as easy as possible to keep your manipulator up and running. Quickly and easily swap out motors that need to be replaced, lengthen or shorten the arm to your needs. Everything you need to repair your platform is kept in stock, making it easy to keep your equipment up and running with minimal downtime.

POWERED BY INTERBOTIX

Aloha Kits are powered by our Interbotix Python library. Cut hundreds of lines of code down to a dozen or so, and take the guess work out of low level CAN programming by using our simple and intuitive modules.

INTERBOTIX

Learn More About Interbotix

TrossenRobotics.com/WidowX-Aloha-Set

Interested in the Aloha WidowX Leader Arms? Contact our sales team: Sales@TrossenRobotics.com

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ALOHA **WidowX Leader Arm**

SPECIFICATIONS

Degrees of Freedom	6 Degrees
Reach	650mm
Span	1300mm
Repeatability	1mm
Accuracy	5-8mm
Working Payload	N/A to Leader Arm
Interbotix	✓
Works with ROS 1/2	✓
Works with MoveIt	✓
Works with Gazebo	✓
Works with Python-ROS	✓
Servos	7X XM430-W350-T | 2X XL430-W250-T
Communication Hub	DYNAMIXEL U2D2
Power Supply	12 Volt - 5 Amp
Tools and Bolts	All Included
Wrist Rotate	Yes
Weight	3.8kg / 8.37lbs

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ALOHA **WidowX Leader Arm**

TECHNICAL DRAWING

4X 92.65
3X 57.99
4X Ø7
8X Ø5
153.07
140
92.62
53
148.5
49.75
175
75
68.51
73.99
6
254.9
146.3
250
110.25
233.54

	PROJECT Aloha WidowX 6DOF			
	TITLE Aloha WX250S Leader Robot Arm			
APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	B			A
DRAWN AIDAN WEDDLE 4/25/2024	SCALE 1:3	WEIGHT	SHEET 1/1	

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