

AUBO-i5

i Series Collaborative Robot



5 KG
PLAYLOAD



23.3 KG
WEIGHT



±0.02 mm
REPEATABILITY



886.5 mm
WORKING RADIUS

- ✓ i5 meets requirements of lightweight operation
- ✓ 5 kg payload, Up to 886.5 mm Reach
- ✓ Wide application range with rich configuration options

Applications

3C Electronics, Automotive, New Energy, Semiconductor, Machining, Hardware & Home Appliances, Kitchen & Bathroom Products, Healthcare, Education & Research, Food & Beverage, Retail, Daily Chemical, and Logistics



CERTIFICATIONS

- ISO 13849-1 (PL d, Category 3)
- CE Certification
- NRTL Certification
- KC Certification
- SEMI S2 Certification
- RoHS Certification
- Reach Certification
- ISO Class 4 Cleanroom Suitable



Features & Advantages

- 01 Higher Precision:** Enhanced repositioning and point-to-point accuracy, with reduced collision force thresholds and millisecond-level system response. Delivers more precise positioning and smoother motion trajectories
- 02 Faster Speed:** Operating speed increased by 10%–20%. The 6-axis robot enables more efficient operation and significantly improves productivity
- 03 Enhanced Functionality:** Open system architecture with integrated RS485 communication. Supports drag-to-teach functionality and external device power supply, enabling seamless communication with end-effectors, vision systems, mobile platforms, and other peripheral equipment for greater flexibility and easier integration
- 04 Improved Safety:** Certified to multiple international standards. Enhanced collision detection sensitivity ensures safe and reliable human-robot collaboration without the need for additional safety fencing



High Performance



High Precision



Fast Response



Flexible Production



Precision Machining



Safety and Stability



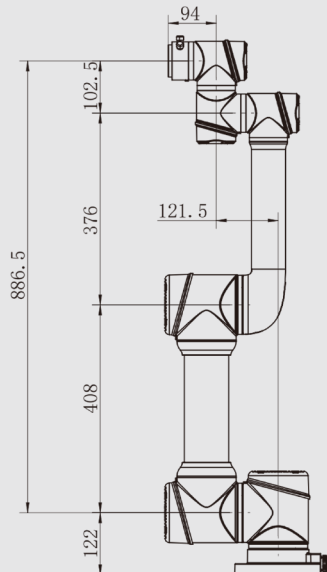
High Protection Grade



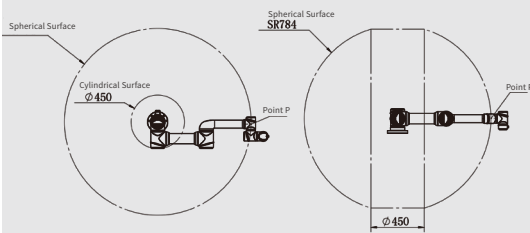
Compact Footprint



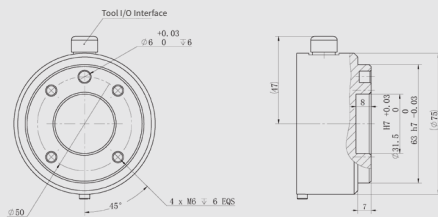
Modular Design



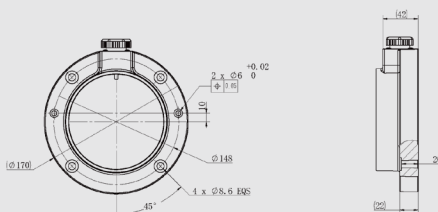
AUBO-i5 Dimensions Diagram



AUBO-i5 Point P Motion Range



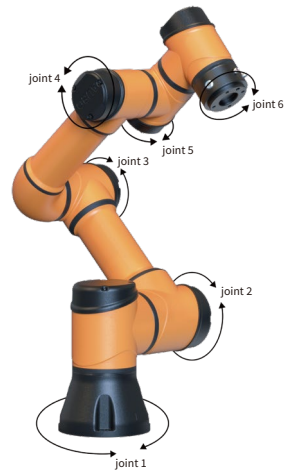
AUBO-i5 End Flange



AUBO-i5 Base Top View

Specification

Degrees of Freedom	6
Max Working Radius	886.5
Payload	5 kg
Weight	23.3 kg
Footprint Diameter	Ø170
Repeatability	±0.02
Tool Speed	≤3.4 m/s
Average Power	200 W
Peak Power	2000 W
Operating Temp. Range	0-50 °C
Operating Humidity	90% RH (Non-condensing)
Mounting	Any Angle
IP Classification	IP54



Joint Motion	Joint 1	Joint 2	Joint 3	Joint 4	Joint 5	Joint 6
Range of Motion	±360°	±360°	±162°	±360°	±360°	±360°
Max Speed	223 °/s	223 °/s	223 °/s	237 °/s	237 °/s	237 °/s

*Joint motion capabilities may be limited by application scenarios; maximum speeds may not be reached. Please note this during use.

Control Cabinet

Product Model	AUBO-CB-iS	
Dimension (L*W*H)	400 mm*160 mm*320 mm	
Weight	12.5 kg	
Robot Arm Cable Length	5 m (Customizable, up to 8 m)	
Teach Pendant Cable Length	4 m	
Power Cable Length	5 m	
Communication Protocols	Ethernet, ModBus-RTU/TCP, Profinet Ethernet/IP (Optional)	
Interfaces & Openness	SDK (C/C++/C#/Lua/Python/JavaScript Windows + Linux) Supporting ROS/ROS2, AP	
Power Supply	115/230VAC, 50/60Hz	
IP Classification	IP43	



I/O Interfaces		Control Cabinet	Tool End
I/O Interfaces	Digital Input	16 (Standard), 16 (Configurable) / 8 (Safety)	4 (Configurable)
	Digital Output	16 (Standard), 16 (Configurable) / 8 (Safety)	4 (Configurable)
	Analog Input	2	2
	Analog Output	2	-
	485 Communication	2	1 (Optional)
I/O Power	Output Voltage	24 V	0V/12V/24V
	Output Current	3A Max	2A (3A Max)

Teach Pendnat

Product Model	AUBO-TP-IS
Dimension (L*W*H)	254 mm*213.1 mm*40.8 mm
Weight	1.0 kg
IP Classification	IP54
Color	Orange + Black



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