

AUBO i5s

Technical Specifications & Data Sheet

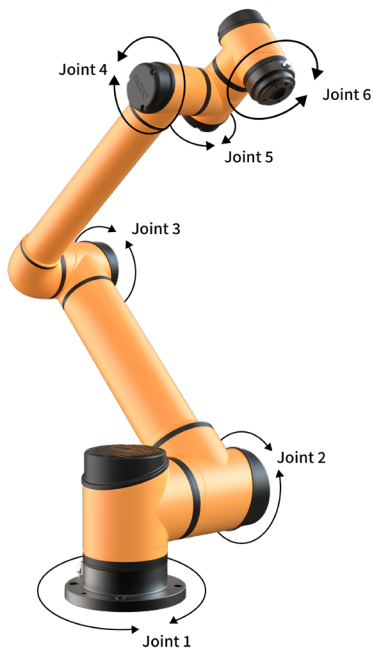
6 Axis
5kg Payload
886mm Reach

Your AUBO Distributor



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The AUBO i5s is designed to afford all the flexibility possible without sacrificing a lightweight footprint. Thanks to its size and payload capacity of 5kg the i5s excels in a wide range of applications while retaining an excellent reach of 886.5mm that results in ultimate versatility to perform medium-duty applications. The powerful motors in the AUBO i5s enable it to outpace the standard AUBO i5 significantly in speed of operation.

SPECIFICATIONS

Payload	5 kg
Reach	886.5 mm
Weight	24 kg
Mounting Base Footprint	Ø172 mm
Avg. Power Consumption	200 W
Peak Power Consumption	2000 W
Operating Temperature	0-50 °C
Humidity	90% Relative Humidity (No Condensation)

CONTROL BOX SPECIFICATIONS

Size (L x W x H)	390mm x 370mm x 265mm
Weight	15 kg
Robot Cable Length (Customizable)	5 m
Teach Pendant Cable Length	4 m
Power Supply Cable Length	5 m
Communication Protocols	Ethernet TCP/IP, ModBus-RTU/TCP, Profinet
I/O Ports	
Digital Input	16 (User) / 16 (Safety)
Digital Output	16 (User) / 16 (Safety)
Analog Input	4
Analog Output	4
I/O Power Supply	24V 3A
Power Supply Requirements	100-240VAC, 50-60Hz
Open Source Development Support	SDKs in C/C++/C#/Lua/Python, ROS, Plug-in Support

MOVEMENT

Repeatability (ISO 9283)	±0.02 mm
Tool Velocity	≤3.4 m/s

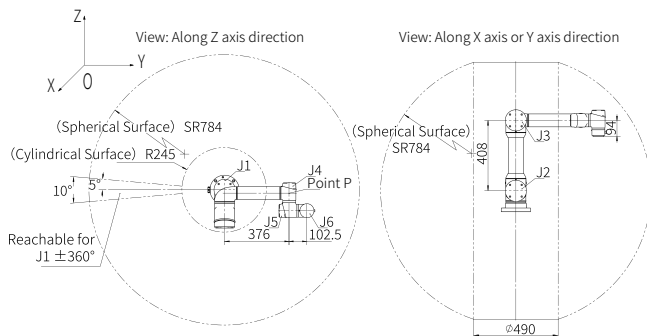
Axis Movement	Working Range	Maximum Speed
J1 Base	±360 °	223 °/s
J2 Shoulder	±360 °	223 °/s
J3 Elbow	±360 °	223 °/s
J4 Wrist	±360 °	237 °/s
J5 Wrist	±360 °	237 °/s
J6 Wrist	±360 °	237 °/s

FEATURES

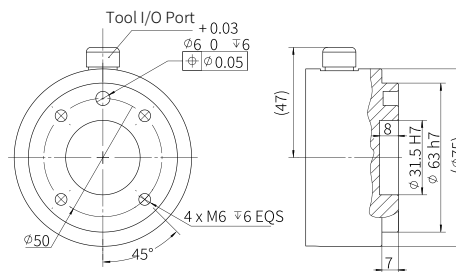
Mounting Orientation	Any Orientation
IP Classification	IP 54
ISO 1644-1 Clean Room Level	Class 5

Tool I/O Ports	
Digital Input	4 (Customizable)
Digital Output	4 (Customizable)
Analog Input	2
Analog Output	-

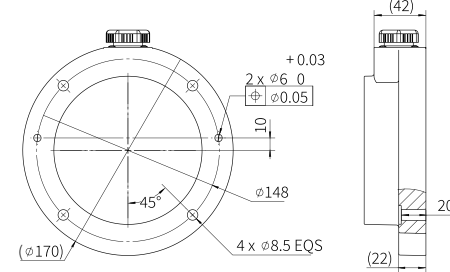
I/O Power Supply	
Output Voltage	0V/12V/24V
Output Current	0.8A



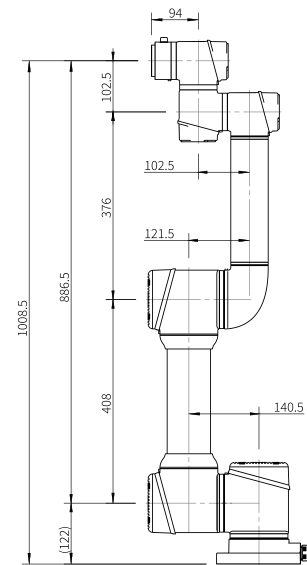
WORKSPACE DIMENSIONS



END FLANGE DIMENSIONS



ROBOT BASE TOP VIEW



PRODUCT DIMENSIONS