

# AUBO i10

## TECHNICAL SPECIFICATIONS

<b>Robot</b>	
Degrees of freedom	6
Reach:	1350 mm
Payload:	10 Kg
Weight:	37Kg
Lifetime:	30000h
Collaboration :	Collaborative operation according to ISO 10218-1:2001
Repeatability:	± 0.1 mm
Linear velocity	≤4.0 m/s
Power consumption:	500 W(Under normal working conditions)
Materials:	Aluminum, steel, Plastic
Ambient humidity:	25%-85%
Ambient temperature:	0-45° C
IP Classification:	IP54
programming:	Teach pendant with user interface
Communication:	CAN bus
Motor Type:	DC 48V
Installation orientation:	Any ceiling, Floor, Wall

<b>Axis Movement</b>	<b>Working Range</b>	<b>Maximum Speed</b>
J1 Axis Base:	± 175°	180° /s
J2 Axis Shoulder:	± 175°	180° /s
J3 Axis Elbow:	± 175°	150° /s
J4 Axis Wrist:	± 175°	180° /s
J5 Axis Wrist:	± 175°	180° /s
J6 Axis Wrist:	± 175° /360° (Optional)	180° /s

### I/O Port On Wrist

Voltage	Current	Digital In	Digital out	Analog In	Analog Out
0V/12V/24V	0.8A	4	4	2	0

### Control Box

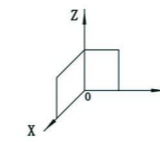
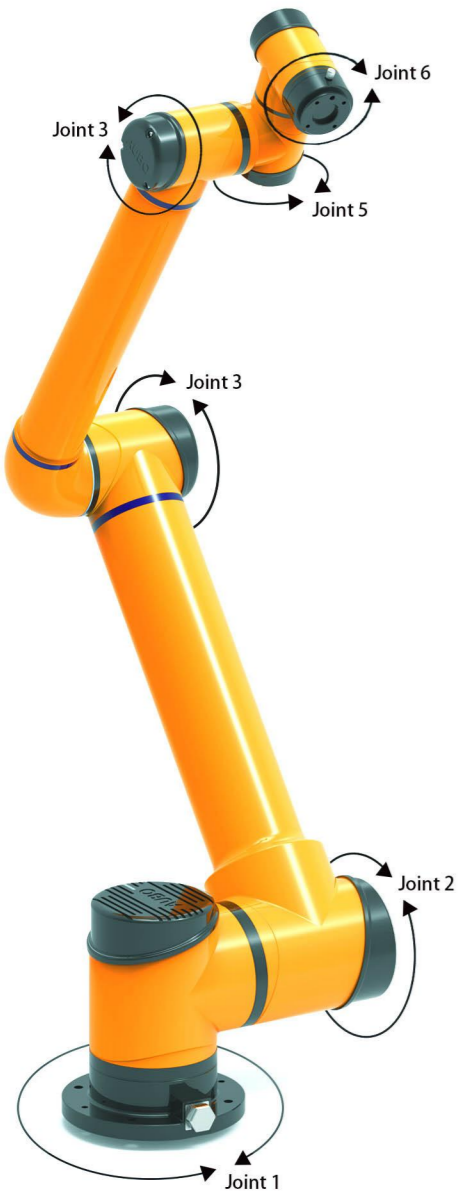
Dimensions:	727mm*623mm*235mm
Weight:	29Kg
Cabling:	5m
Color:	Black
Communication:	Ethernet、Modbus-RTU/TCP
Interface:	SDK (Support C\C++\Lua\Python)、Support ROS、API
Power Supply:	100-240VAC, 50-60 Hz

### I/O PORTS

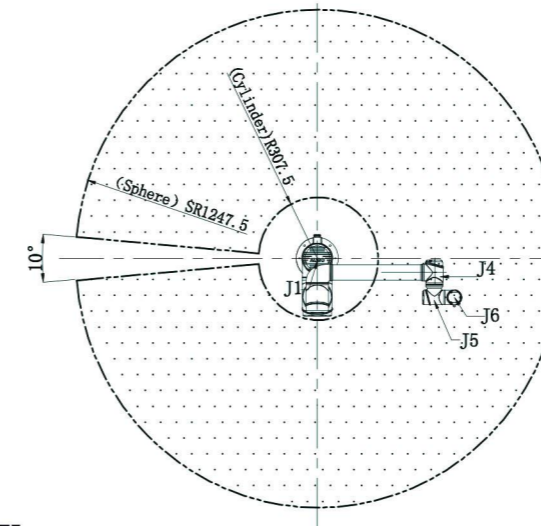
	<b>GENERAL I/O</b>	<b>SAFETY I/O</b>
Digital In	16	16
Digital Out	16	16
Analog In	4	-
Analog Out	4	-
Output Voltage	24V	
Output Current	3A	

### Teach Pendant

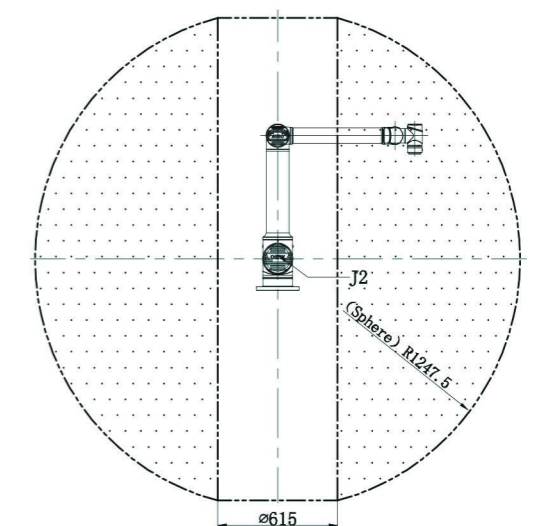
Dimensions:	355x235x54 mm
Weight:	1.57Kg
Display Screen:	30cm Touch LCD Screen
Cabling:	4 m
Color :	Orange+Black



View along the Z coordinate direction

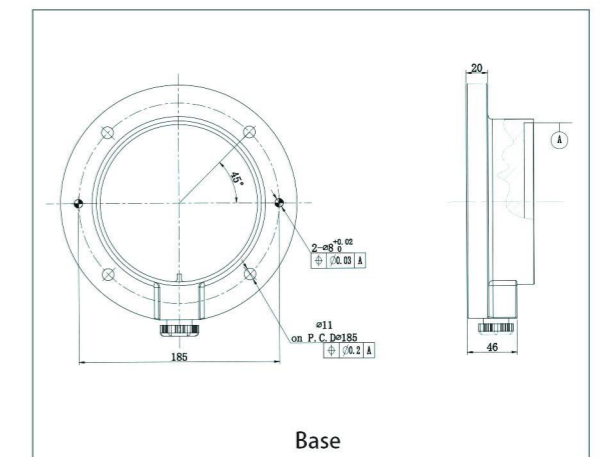
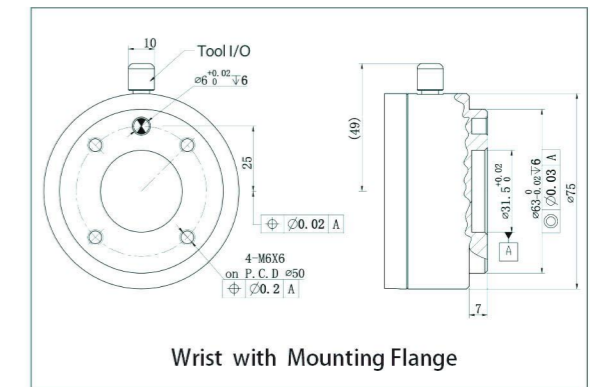
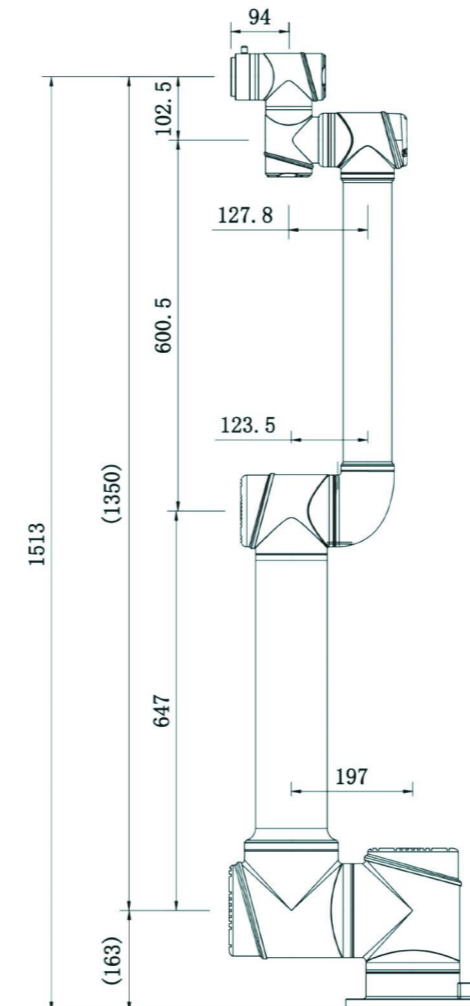


View along the X or Y coordinate direction



### NOTE:

1. The two-dot chain line indicates: the area boundary
2. The space area enclosed by the double-dot-dash line is the area where the robot arm is mounted, and the hoisting and vertical installation suggest the area of the tool end trajectory when the robot arm works best
3. The limit trajectory of the tool end movement of the robotic arm may exceed the area enclosed by the two-dot chain line
4. The double-dot-dash-contained space region is the intersection of the space region contained on the inner surface of a defective sphere and the space region on the outer surface of a cylinder.



Product specification may get changed due to product upgrading without notification.  
AUBO Robotics has the final right of the interpretation of all AUBO product

