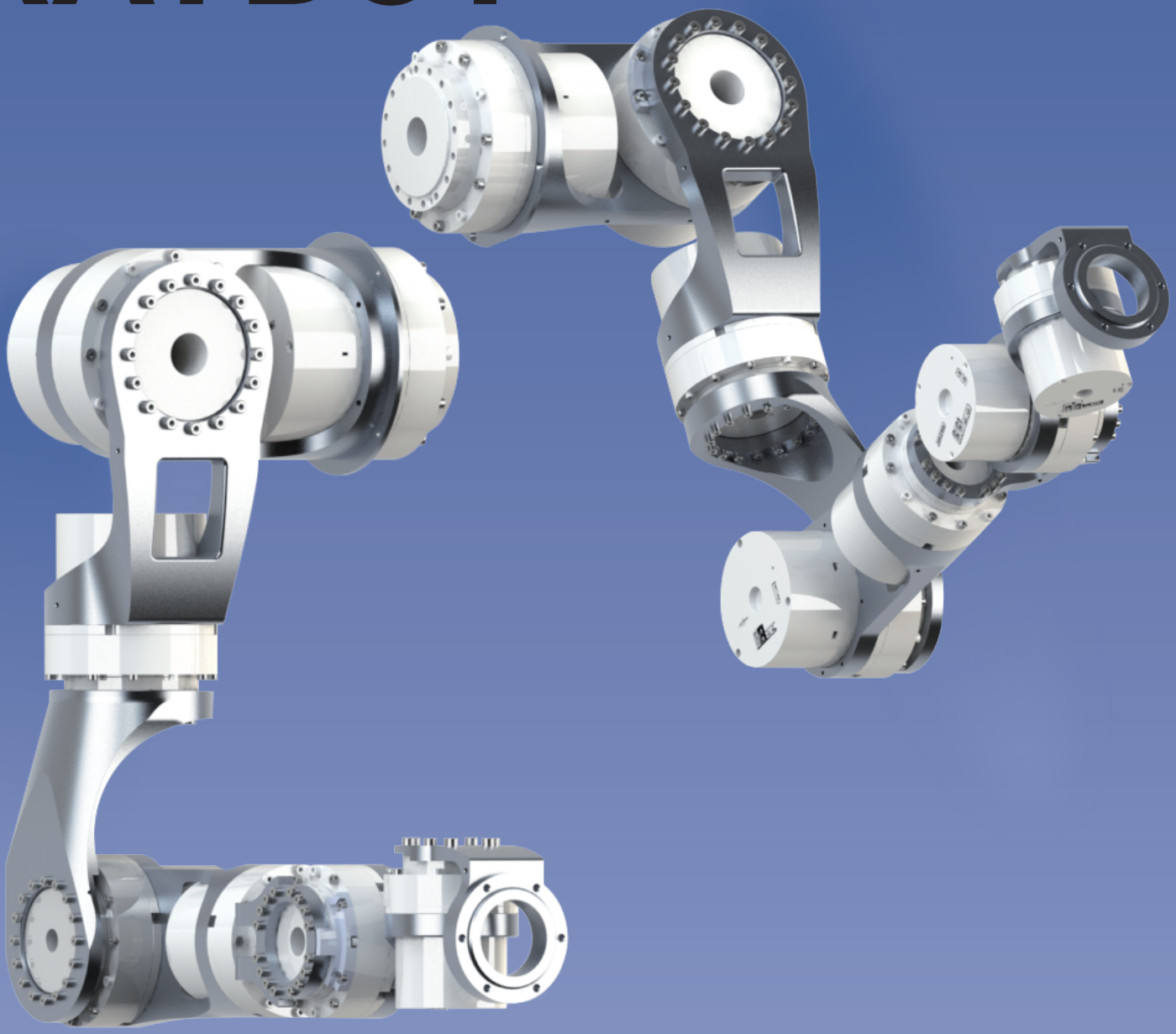
MYACTUATOR®
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RB-A850-10 Robot Arm

RAYBOT



01

Supports Can/Ethercat

Up to 4kHz Ethercat real time communication ratio

02

Provides open-source solution

Provides open-source robot arm vision solution,supports ROS2、Python and C++

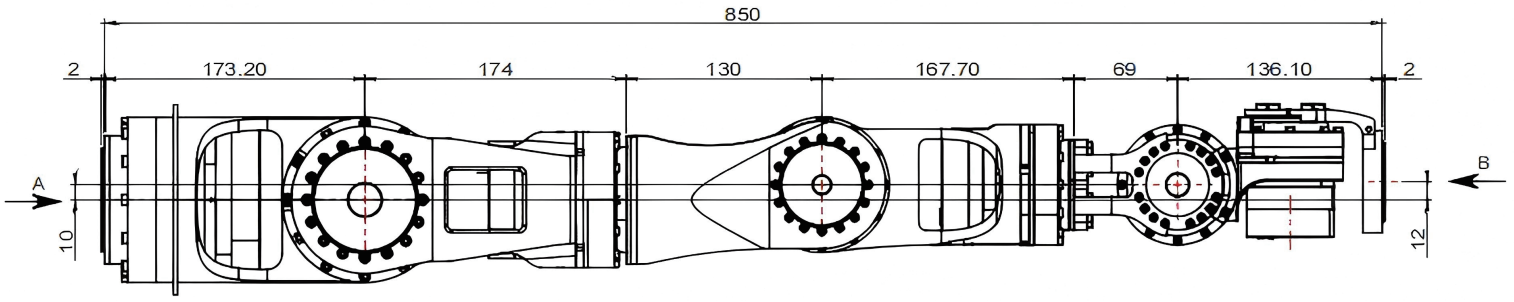
03

Supports multiple motion planners

Supports multiple motion planners
Supports online action programming

RB-A850-10 Robot Arm

This robotic arm features high precision of ± 0.05mm and a payload capacity of up to 10kg. It supports real-time CAN/EtherCAT communication (up to 4 kHz) . An open-source depth camera solution is provided, enabling accurate precision and intelligent motion control in complex environments. It is equipped with vision-based collision detection, multiple motion planners, and online programming capabilities, it supports multi-device collaboratives digital twin systems and convenient online diagnostics and debugging, fully meeting the intelligent requirements of diverse application scenarios.



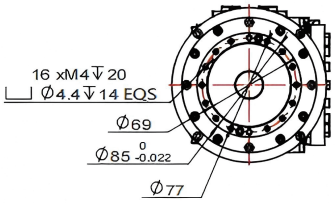


FIG A
SCALE 1 : 3

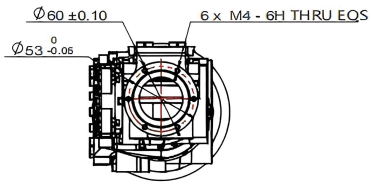
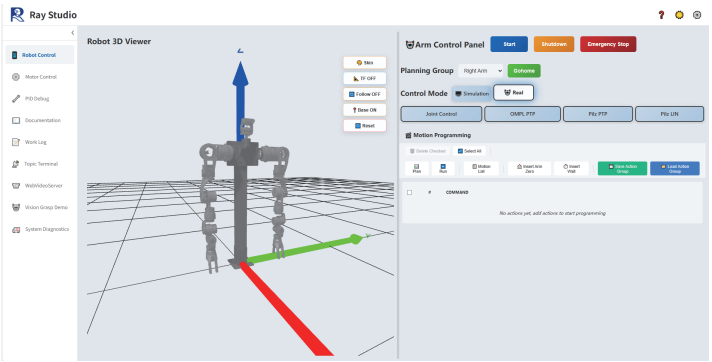


FIG B
SCALE 1 : 3



Mechanical Parameters	Values
Arm Reach	850 mm
Weight	13.9 kg
Rated Payload	10 kg
Repeatability	±0.05 mm
J1 Range of Motion	±180 °
J2 Range of Motion	0 ~ 180°（Right arm） -180 ~ 0°（Left arm）
J3 Range of Motion	±180 °
J4 Range of Motion	-135 ~ +90 °（Right arm） -90 ~ +135°（Left arm）
J5 Range of Motion	±180 °
J6 Range of Motion	±90 °
J7 Range of Motion	±90 °

Electrical Parameters	Values
Rated Voltage	48 V
Rated Power	1000 W
Communication	CAN/Ethercat

(+86)186 6259 9006
www.raybot-ai.com

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