myPalletizer

myPalletizer 260 Pi

Elephant Robotics

Zero Basic Entry Level-Desktop Robotic Arm

The new series of myPalletizer Pi elephant palletizing robot arm, fully wrapped lightweight four-axis palletizing robot arm, the overall design of the fin, small and compact, easy to carry.

myPalletizer Pi has a load of 250g and a working radius of 260mm; built-in ubuntu18.04 system, no need to use PC main control, link peripherals, you can quickly build robotic arm programming education, robotic arm control logic development, ROS simulation experiment class, is a quick start to four-axis The first choice for robotic arm learning.

The fin design, the appearance is fully wrapped

The optimal space-removing fin design concept that can be loaded into a backpack subverts the traditional link-type educational four-axis robotic arm.

Embedded Raspberry Pi Ecology

oRaspberry Pi 4B, 1.5GHz 4-core microprocessor, powerful AI computing power, infinite possibilities for development.

LEGO ecology, compatible with all my series accessories

The patented Lego hole design is shared globally, and the my series hardware ecological platform concept is implemented, and the end accessories are plug-and-play.

Comes with graphical programming Blocklyd

It is easy to get started and use, and the graphical programming language allows you to easily start the journey of using the robotic arm.

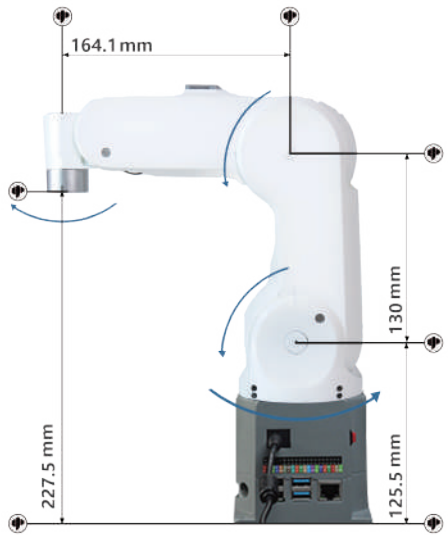
Support mainstream python language development

While Python language controls hardware, you can also learn a lot of instructions and programming thinking.
and improves the experimental efficiency.

Support ROS ecology

It is developed using the global mainstream robot communication framework ROS, and supports simulation, control and algorithm verification in a virtual environment, which reduces the requirements for the experimental environment and improves the experimental efficiency.

myPalletizer - Size and Working Range Diagram

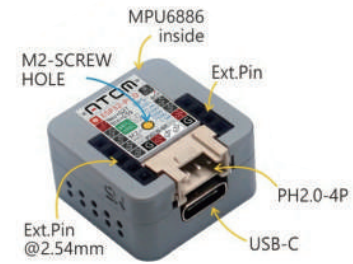


Parameter

Name	myPalletizer
Model	myPalletizer 260 Pi
Degree of Freedom	4
Repeatability	± 2mm
Payload	250g
Weight	960g
Working radius	260mm
Material	Photosensitive resin SLA
Power Input	8 ~ 12V 5A
Motor type	High precision magnetic encoder servo motor
Max speed	120°/s
Control	Raspberry Pi
Communication	UART/SPi/2IC/USB

M5STACK Control Board Pin Map

Atom diagram



Atom pin diagram

myPalletizer Accessory

Adaptive Gripper

Camera Flange

Suction Pump

G Base

Elephant Robotics are targeted at robotic collaboration applications, making “my-series” product line. For new information about the accessories, Follow us on Shopify and Twitter.
Shopify: https://shop.elephantrobotics.com/
Twitter: @cobotMy

产品保修卡

用户信息 (必填) :

购买人 _____ 订单号 _____ 联系电话 _____

地址 _____ 物流签收日期 _____

产品问题描述 (必填) : _____

如需退换货，请事先联系客服确认退回相关信息。待客服确认后，填写此卡并将这一页随同产品一起寄回。
注：我司在法律允许范围内保留对本产品保修卡解释和修改的权利。

- 产品自签收起7日内未拆封可无理由退换，因产品退换所产生的费用及其他风险需由客户承担。
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- 凡属于正常使用下由于产品本身质量问题引起的硬件故障，保修期内大象机器人给予免费维修。
- 保修起始日期为产品购买日或物流签收日。
- 维修更换的配件归大象机器人所有，必要时会收取适当的成本费用。

以下为详细的配件保修服务说明(如需以下产品售后服务，请事先联系客服沟通并确认相关信息)

舵机	
保修期限	保修服务
≤1个月	我司免费提供一个新舵机并承担寄送运费(仅一次)
1-3个月	我司免费提供一个新舵机，由客户自行承担运费(仅一次)
≥3个月	客户需自己重新购买

电子件 (M5 硬件)	
保修期限	保修服务
≤3个月	由用户拆卸后寄回，我司免费更换并承担往返运费(仅一次)
3-6个月	由用户拆卸后寄回并承担往返运费，我司免费更换(仅一次)
≥6个月	客户需自己重新购买

结构件，含外壳部分	
保修期限	保修服务
≤1年	我司免费提供新的零件，由客户自行承担运费(仅一次)
≥1年	客户需自己重新购买

特别说明: 在交付产品的保修期内，本公司仅对正常使用机器人时发生的故障进行免费修理。
但在以下情况下， 将对客户收取修理费用(即使在保修期内):

(1) 因不同于手册内容的错误使用以及使用不当而导致的损坏或故障
(2) 客户未经授权进行拆卸导致的故障
(3) 属于外壳等部件自然的消耗，磨损及老化
(4) 因调整不当或未经授权进行修理而导致的损坏
(5) 因地震、洪水等自然灾害导致的损坏
因此，请严格遵照本手册及相关手册的指示对机器人进行操作。

WARRANTY CARD

Customer Information (Required):

Purchaser _____ Order No. _____ Phone_____

Address _____ Logistics Receipt Date _____

Product problem description(Required):

_____

If you need to apply for warranty service, please contact our customer service to confirm the detailed information. After confirmation, please fill in the card and send it back together with the product and the attached invoice. **Note: Our company reserves the right to explain and modify the warranty card of this product within the scope of the law.**

- Return service is limited to goods not opened within 7 days after the receipt date of logistics of the products. The freight or other risks incurred in return shall be borne by the customer.
- Customers should provide the purchasing invoice and warranty card as the warranty certification when a warranty is being asked.
- Elephant Robotics will be responsible for the hardware faults of products caused by the normal using during the warranty period.
- The warranty period starts from the date of purchase or the receipt date of the logistics.
- The faulty parts from the products will be owned by Elephant Robotics, and the appropriate cost will be charged if necessary.

If you need to apply for warranty service, please contact our customer service first to confirm the detailed information.

servo motor	
Warranty Period	**Warranty Services**
⩽1 months	Elephant Robotics offers a free new servo motor and bear the freigh.
1-3 months	Elephant Robotics offers a free new servo motor, customs shall bear the freight.
⩾3 months	Customers need to buy it themselves.
Electrical Parts (M5 Hardware)	
⩽3 months	Customers need to send it back after disassembly, Elephant Robotics shall send a new one for free and bear the freight out and home.
3-6 months	Customers need to send it back after disassembly and bear the freight out and home, Elephant Robotics shall send a new one for free.
⩾6 months	Customers need to buy it themselves.
Structure Parts, including Shell Parts	
⩽1 year	Elephant Robotics offers free new components once, customs shall bear the freight.
⩾1 year	Customers need to buy it themselves.

During the warranty period of the delivered product, the company only repairs the malfunctions that occur during normal use of the robot for free. However, in the following cases, the customer will be charged for repairs (even during the warranty period):

- Damage or malfunction caused by incorrect use and improper use different from the contents of the manual.
- Failure caused by unauthorized disassembly by the customer.
- Damage caused by improper adjustment or unauthorized repairs.
- Damage caused by natural disasters such as earthquakes and floods.

Therefore, please strictly follow the instructions in this manual and related manual to operate the robot.