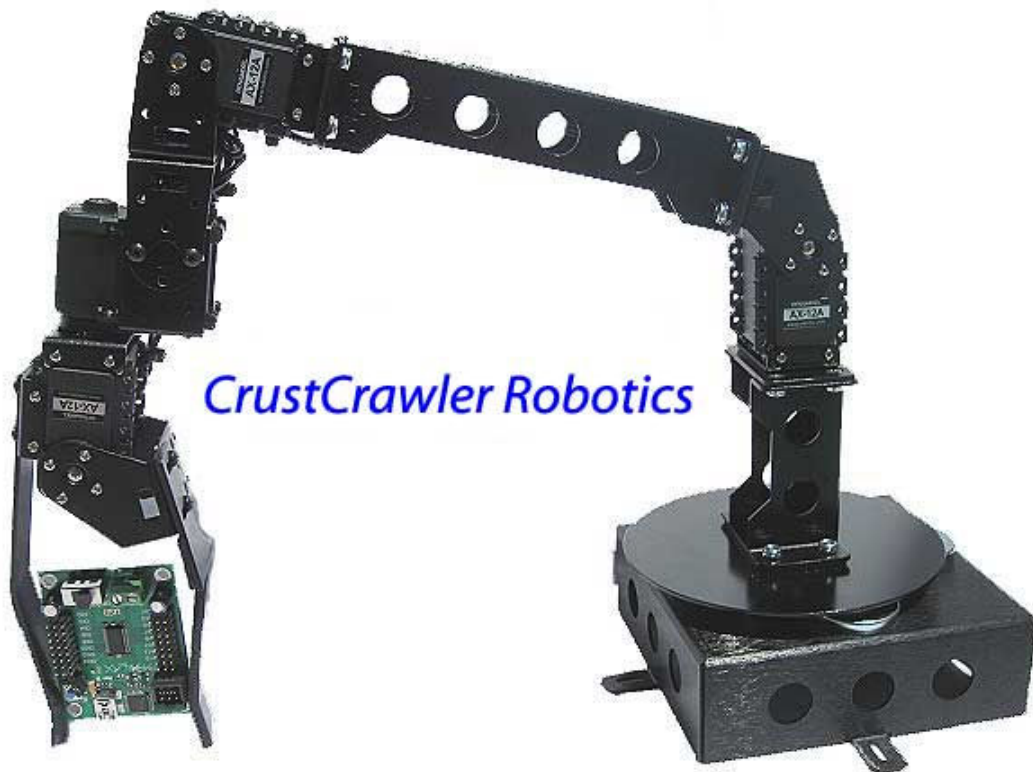


AX Smart Robotic Arm

Technical Guide

VERSION 1.0



Author –Alex Dirks

AX Smart Arm Specifications

Weight

- With wrist rotate - 1.13 pounds (512 grams)
- Without wrist rotate – 1.09 pounds (494 grams)

Material

- Precision machined, all aluminum construction with sealed ball bearing turntable

Finish

- Black anodized, scratch resistant, hard finish

Actuators

- Any combination of AX-12A or AX-18A

Actuator Connections

- Daisy chained, 3-pin Molex connection

Communication Protocol

- 1 MB Serial Communication

Interface / Controller

- Open Source / Any

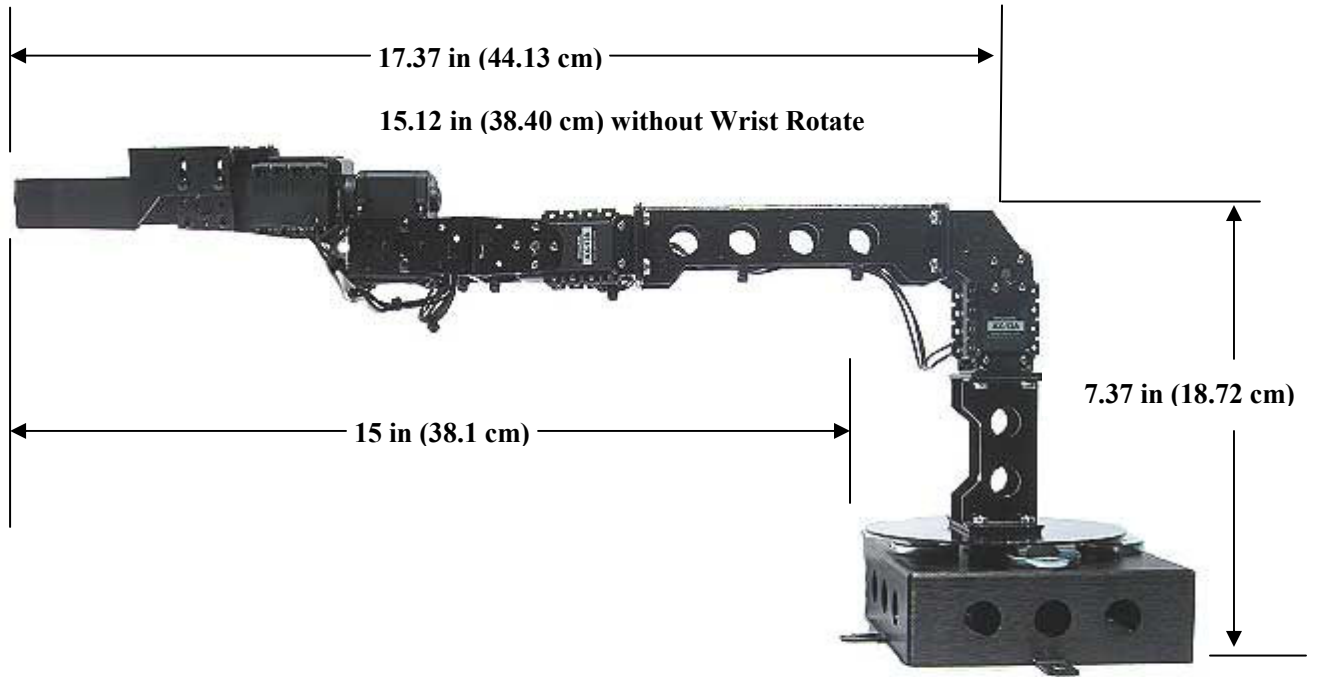
Programming Language

- Open Source / Any

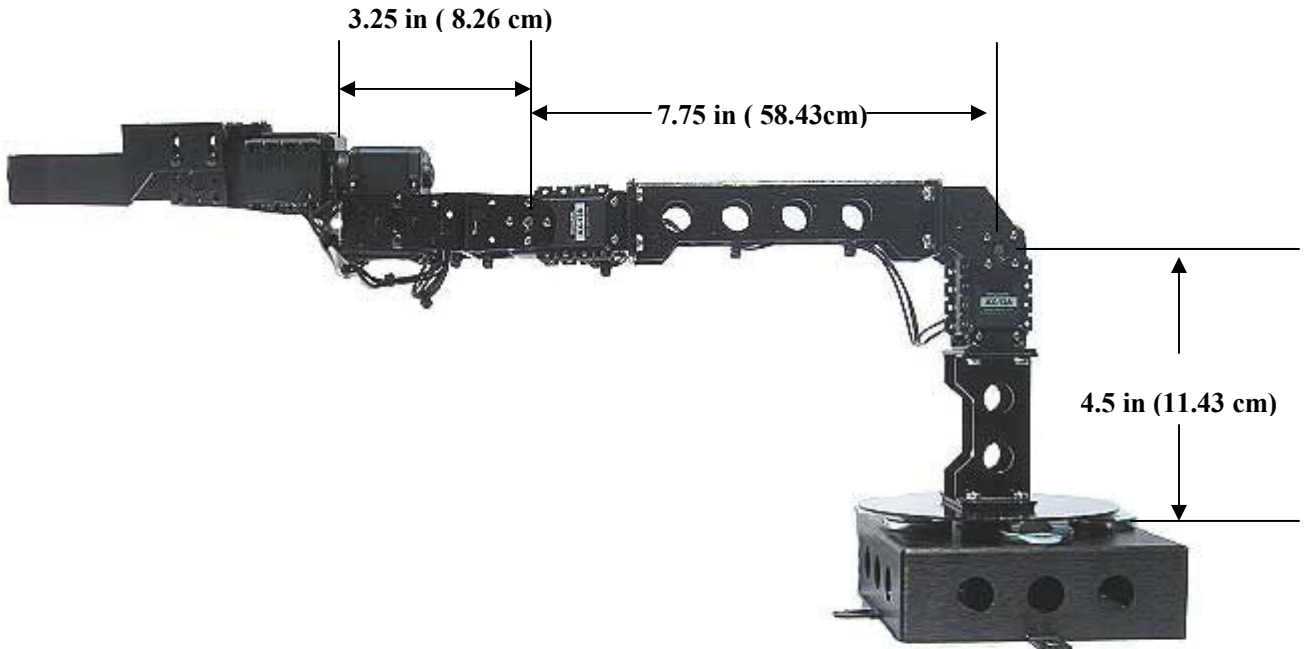
Power Requirements

- 12v, 2 – 6 amp power supply

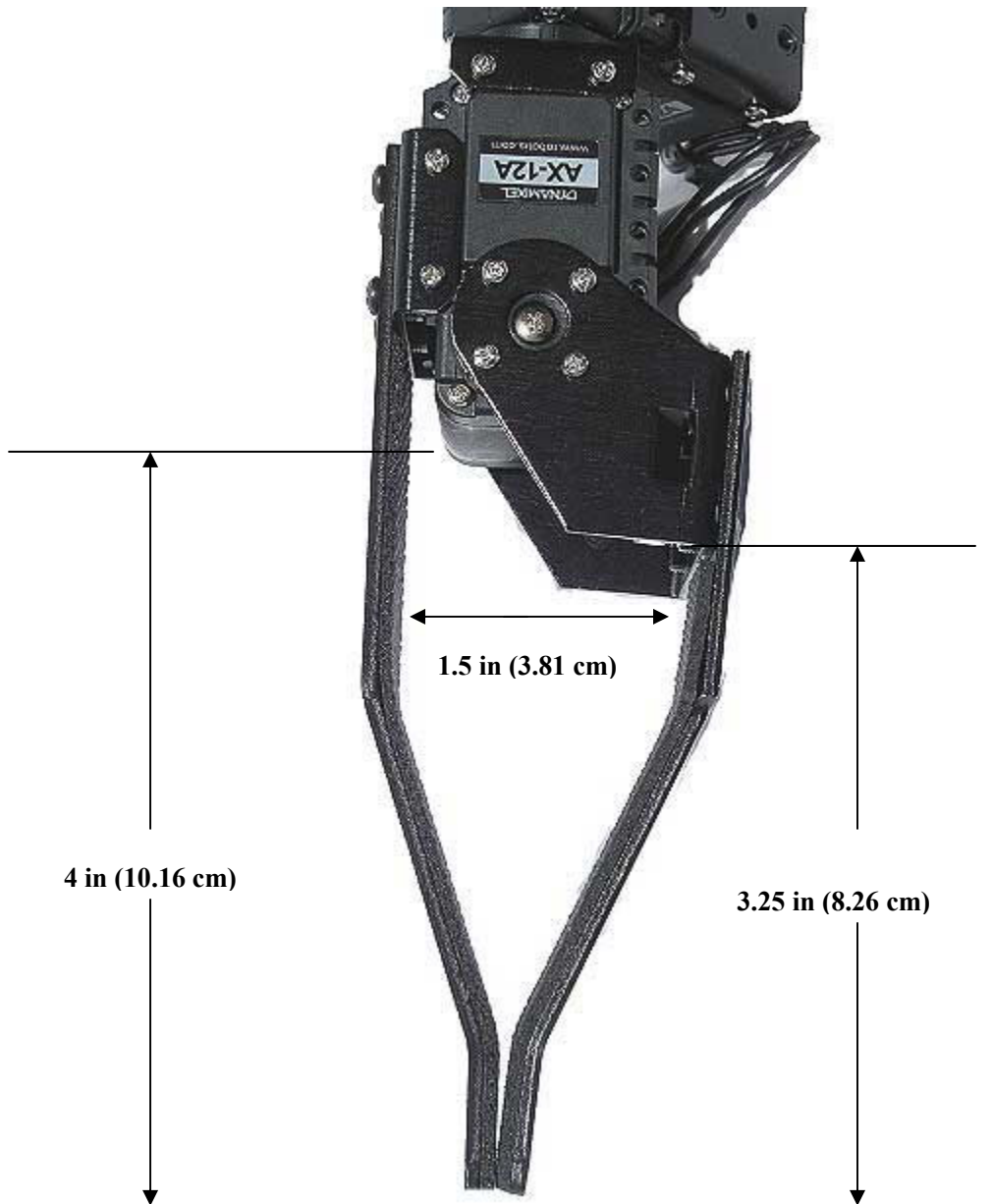
Length Dimensions (AX Smart Robotic Arm with Wrist Rotate)



Axis to Axis Dimensions



Gripper Dimensions



- Maximum Gripper Opening – 4 in (10.16cm)
- Gripper Tong Width - .875 in (2.22cm)
- Turntable Base Dimensions – 5.25 in (13.3 cm) X 4.62 in (11.73cm)