

# AX12+ Smart Arm Specification Sheet

The AX12+ Smart Arm is CrustCrawler's latest release of its best selling lineup of robotic arm kits for the robotics community. Featuring the powerful and feedback rich AX12+ servos, this is the most versatile, powerful, kit based robotic arm available today!

## Hardware Technical Specifications

- Overall Length from the base – 21.42”
- Overall length with gripper open – 17.5”
- Overall Length with gripper closed – 19”
- 8-way adjustable base angles
- Powerful 440 oz./in. of torque for the wrist and shoulder joints / 220 oz./in of torque for the gripper and base rotation servos.
- Precision carbon steel ball bearing turntable
- Integrated pem nuts for quick and easy construction
- Super strong anodized 0.063 ga. 5052 brushed finished aluminum components
- Tough, scratch resistant , type II anodized “gun barrel grey” color

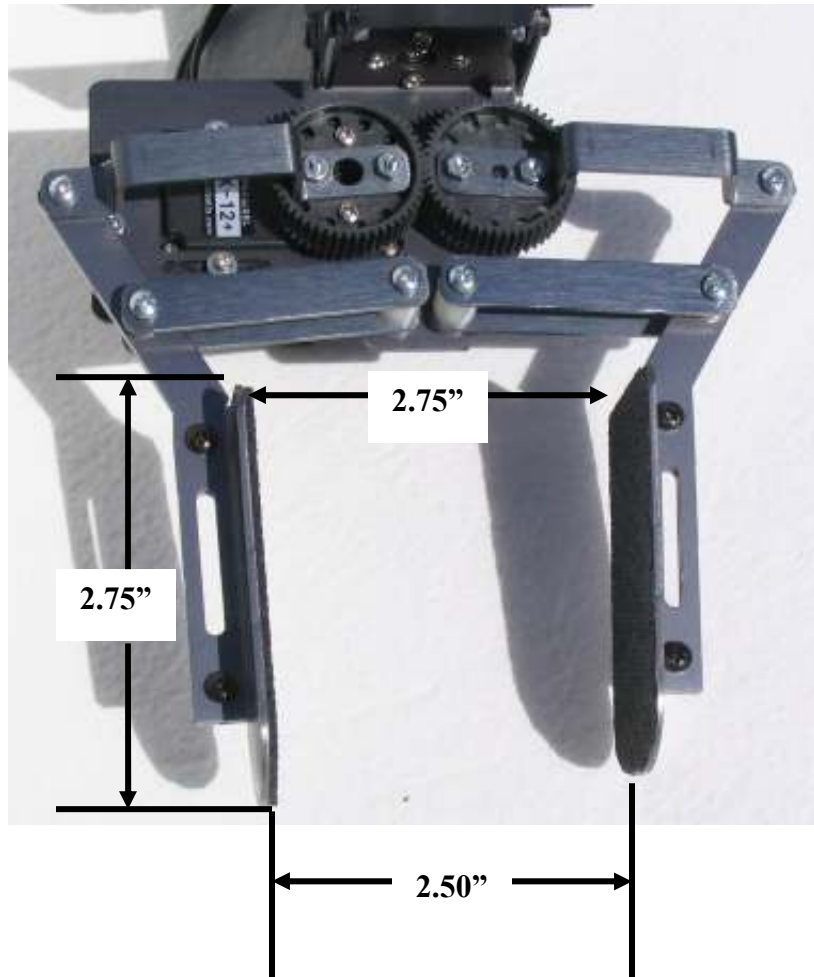
## AX12+ Servo Technical Specifications

- Blazing fast 1,000,000 bps communication speed
- Full feedback on position, speed, load, voltage and temperature
- 300 degree movement in 1024 increments
- Full control over speed and torque in 1024 increments
- Built in LED status indicator
- Automatic shutdown based on voltage, load or temperature
- Single cable netwrk connections
- Servo movement range can be set by the user

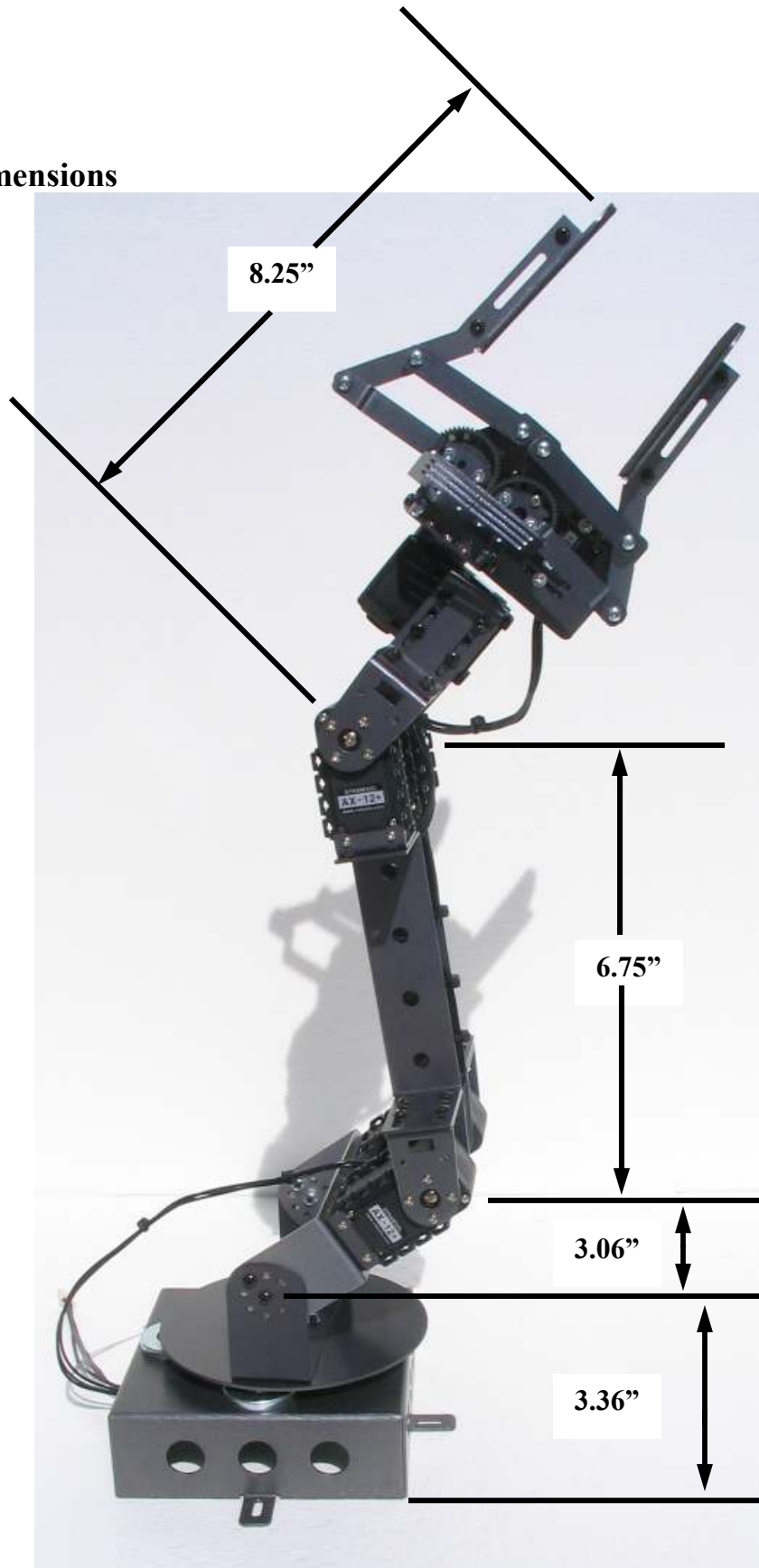
## Gripper Specifications

- Built in, adjustable camera / sensor mount
- Slotted gripper paddles for easy sensor attachment
- High resolution, 60 tooth, heavy duty, resin gear train
- Cross cut, high adhesion rubber

## Gripper Dimensions



**Arm dimensions**



**Overall Length – 21.42" (xx CM)**  
**Weight – 2lbs. 6 oz.**

## Base Dimensions

