

# CAESAR ROBOT PLATFORM - SPECIFICATION SHEET



## Performance and Feature Characteristics:

- **Degrees of Freedom:** 6 on arm, plus gripper, plus neck
- **Reach:** 1020mm, as measured from base joint
- **Payload:** 3kg / 6.6lbs
- **Task Repeatability:** +/- 0.5mm
- **Joint Speeds:** maximum 150 deg/s
- **Electronics and Wiring:** self-contained; two wire output from robot; 3 prong power cord, USB
- **Materials:** steel structural build, PLA
- **Weight:** 68kg / 150lbs
- **Height:** 162cm at peak neck raise
- **Sensors:** limit switches on actuators; RGB cameras on neck and wrist
- **End Effector:** parallel gripper default with 120mm opening, 80mm x 80mm rubber finger pads
- **User Interfaces:** Opus platform includes desktop program accessible over USB; tablet/mobile support
- **Physical Mounting:** base has 4 square corner mount points 200mm x 200mm apart, M8 hole size
- **Extras:** robot comes mounted on 2' x 2' x 3/4" plywood
- **Warranty and Returns:** 60-day full money back guarantee; 1-year warranty included free
- **Extensions and Upgrades:** customizable end-effector; replaceable arm structure from base; modular joint configs

For any questions, please contact us at [info@empiricalautomation.com](mailto:info@empiricalautomation.com)