

Tsinghua Hephaestus 2020 AdultSize Team Specification

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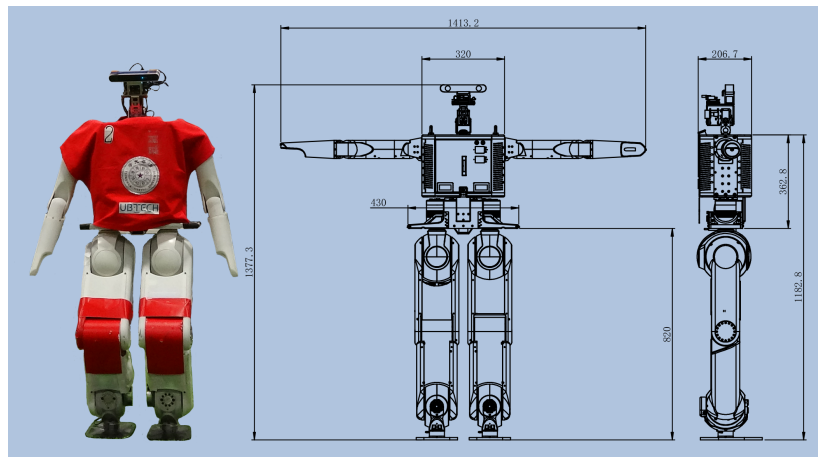


Fig. 1. Robot Walker

- **Robot name :** Walker
- **Height of the robot :** 1377 mm
- **Weight of the robot :** 50 kg
- **Walking Speed:** 35 cm/s
- **Number of degrees of freedom :** 22
- **Type of motors :** Legs&Waist: 13 UBTECH Servo Motors, Arms&Head: 9 MX-106
- **Sensors :** Camera, ZED Stereo Camera ; **Gyro,** 6-Axis ORIENTUS; **Force and Torque,** 2 ATI F/T Sensor Mini58
- **Control unit :** Multi-Core Processor:(ARM Cortex-A15@1.5GHz+ DSP C66X@750MHz)
- **Perception and Decision Unit:** NVIDIA Xavier