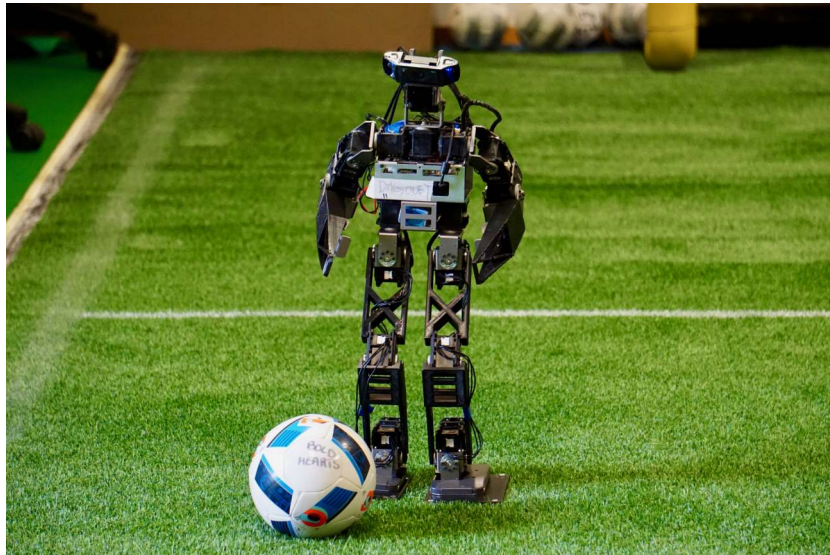


Bold Hearts

Robot Specification for RoboCup 2019



Robot name	BoldBot
Height	61.5 cm
Weight	3.05 kg
Walking speed	5 cm s ⁻¹
DoF	20 (all MX-28T ¹)
Sub-controller	CM-730 ²
CPU	Cortex-M3 @ 72 MHz Odroid-XU4 ³ Exynos5422 @ 8 × 2 GHz, 2 GB RAM
Camera	Logitech C920 ⁴ Pro HD Webcam
Sensors	IMU (with 3-axis gyroscope and 3-axis accelerometer), supply voltage sensors, motor/joint angle sensors

¹ http://support.robotis.com/en/product/actuator/dynamixel/mx_series/mx-28at_ar.htm

² [http://support.robotis.com/en/product/darwin-op/references/reference/hardware_specifications/electronics/sub_controller_\(cm-730\).htm](http://support.robotis.com/en/product/darwin-op/references/reference/hardware_specifications/electronics/sub_controller_(cm-730).htm)

³ <https://magazine.odroid.com/wp-content/uploads/odroid-xu4-user-manual.pdf>

⁴ <https://www.logitech.com/product/hd-pro-webcam-c920#specification-tabular>