

Bold Hearts Robot Specifications

DARwIn-OP



Team Bold Hearts uses standard, unmodified DARwIn-OP robots, having the following specifications:

Name:

DARwIn-OP

Height:

454.5 mm

Weight:

2.9 kg

Walking speed:

14.0 cm/sec

DOF:

20 (6 DOF per leg, 3 DOF per arm, 2 DOF in neck)

Motors:

20 × Dynamixel MX-28

Sensors:

3-axis gyro, 3-axis accelerometer, 3 buttons, 2 microphones

Camera:

Logitech C905

Computing Unit:

fitPC2i (Intel Atom 1.6GHz) and CM-730 (ARM CortexM3 STM32F103RE 72MHz)