

Plymouth Humanoids Robot Specification RoboCup 2012

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Fig. 1. The Plymouth Humanoids robot team.

Plymouth Humanoids

- Height: 47 cm
- Weight: 2.6 kg
- Walking speed: 20 cm/sec
- Number of DOF: 20
- Servo: Robotis Dynamixel RX-28 and AX-12
- Servo Torque: 28.3 kgf.cm at 12V
- Servo Speed: 0.196 sec/60 degrees
- Camera: Phillips SPC900NC
- IMU: IDG500 dual-axis gyroscope. 3 axis ADXL335 accelerometer
- Processor: BeagleBoard OMAP3530
- Robotis CM-700, Atmel ATmega256, 16 MHz

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