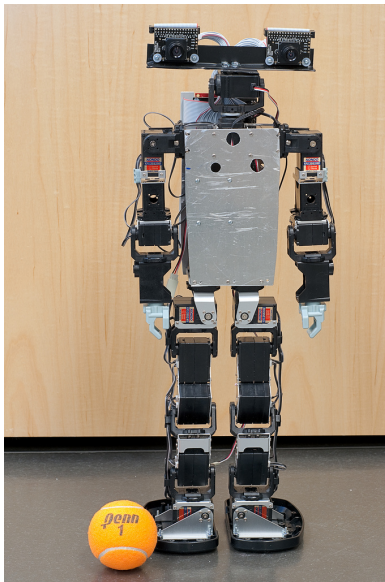


RoboPatriots Team Specifications

Keith Sullivan, Christopher Vo,
Sean Luke, and Jyh-Ming Lien

Department of Computer Science, George Mason University
4400 University Drive MSN 4A5, Fairfax, VA 22030 USA
{ksulliv2, cv01, sean, jmlien}@cs.gmu.edu

All three robots have the same specs, and are based on the Kondo KHR-3HV.



Robot Name	RoboPatriots (Jonhny 5, Newton, Stephanie)
Height	53 cm
Weight	900 grams
Number of DOF	18 (5 DOF per leg, 3 DOF per arm, 2 DOF neck)
Motors	Arms and Legs (16): Kondo KRS-2555HV digital servos Neck (2): Kondo KRS-788HV ICS Digital Servos
Computing Unit	RCB-4 from Kondo
Camera	Surveyor SVS stereo vision system, 640x480 resolution per camera, two 500 MHz Blackfin processors
Sensors	RAS-2 dual-axis accelerometer from Kondo (2) KRG-3 single axis gyro from Kondo
Walking Speed	25 cm/s