

## **Bogobots-TecMTY-1 humanoid kid-size team 2009**

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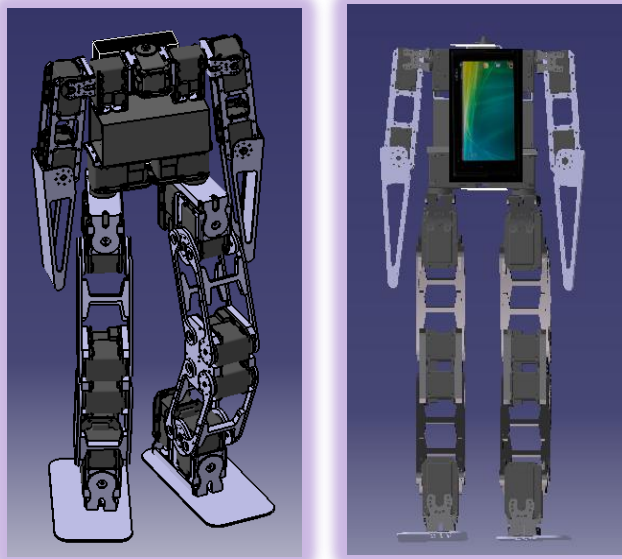
### **Specification table:**

Robot name: Bogobot-TecMTY-1  
Number of degree of freedom: total 20DOF: 6 per leg, 3 per arm and 2 on head  
Built with: Lynxmotion brackets and custom-made aluminum  
Servomotors: Hitec18 servomotors HS5645MG, and 2 micro HS55  
Computing unit: DSPic 30F4013 in a custom-built card  
Walking speed: 12cm/seg  
Camera: CMUcam3  
Sensors: Magnetic compass CMPS03, IDG300 dual-axis gyroscope,  
ADXL330 Accelerometer  
Height, Width, Deep and Weight: 43.26cm, 16.5cm, 10cm, 2.1Kg.  
Energy Supply: Two batteries: Ni-MH 2Ah 6v, Li-Po 1.3Ah 7.4v

## Bogobots-TecMTY-2 humanoid kid-size team 2009

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### Specification table:

Robot name: Bogobot-TecMTY-2  
Number of degree of freedom: total 20DOF: 7 per leg, 3 per arm and 1 on head  
Built with: DYNAMIXEL brackets and custom-machined aluminum  
Servomotors: 14 DYNAMIXEL servomotors RX-64, and 8 RX28  
Computing unit: Ultra Mobile PC  
Walking speed: Estimated in 20cm/seg  
Camera: u-Eye Vision System USB 2.0  
Sensors: Magnetic compass CMPS03, IDG300 dual-axis gyroscope,  
ADXL330 Accelerometer  
Height, Width, Deep and Weight: height: 60 cm, width 28, Deep: 20, weigh: 4KG  
(approximated)  
Energy Supply: 14.8 V LiPo Battery.