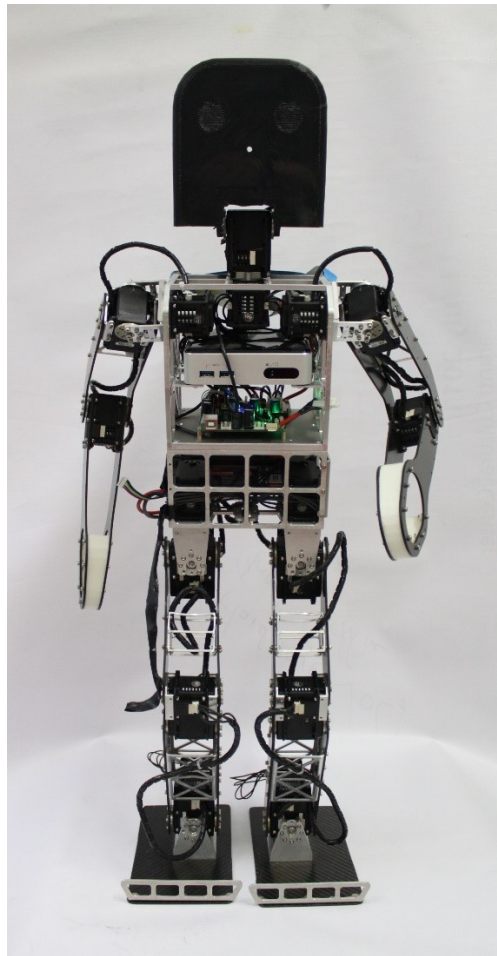


Robot Specification KidSize 2016

WF Wolves & Taura Bots



Name: Detlef

Height: 85 cm

Weight: 6.4 kg

Walking speed: 32 cm/s

Number of degrees of freedom: 20

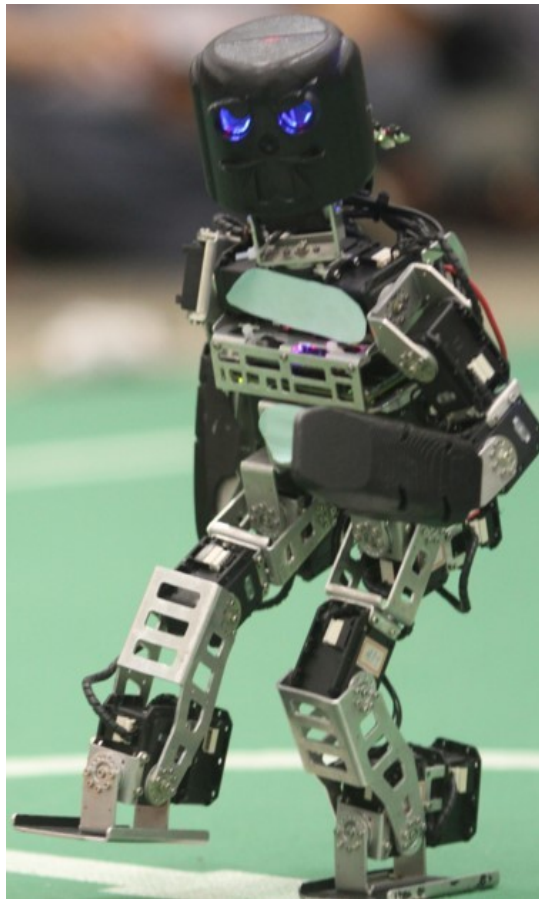
- 6 per leg (x2), Dynamixel MX-106
- 3 per arm (x2), Dynamixel MX-106
- 2 in the head, Dynamixel MX-64

Sensors:

- IMU: 3-axis accelerometer, 3-axis gyroscope
- Camera: Microsoft LifeCam HD-3000

Computing units:

- Main processor: Intel i5 4250U
- Movement control: Atmel AT91SAM7X256 @ 96 MHz



- **Name:** Juarez
- **Height:** 47 cm
- **Weight:** 2,9 kg
- **Walking speed:** 5 cm/s
- **Number of degrees of freedom:** 20
 - 6 per leg (x2), Dynamixel MX-28
 - 3 per arm (x2), Dynamixel MX-28
 - 2 in the head, Dynamixel MX-28
- **Sensors:**
 - IMU: 3-axis accelerometer, 3-axis gyroscope
 - Camera: Microsoft LifeCam HD-3000
- **Computing units:**
 - Main processor: 1.6 GHz Intel Atom Z530
 - Movement control: ARM CortexM3 STM32F103RE 72MHz