Bot specification WF Wolves 2012

Ostfalia University of Applied Sciences, Department of Computer Sciences,  
Am Exer 2, 38302 Wolfenbüttel, Germany  
http://robocup.ostfalia.de/

Fig. 1. Bot WF Wolves 2012

– **Name:** Jonny, Hugh, Copper, Locutus  
– **Number of degrees of freedom:** 20 DoF  
– **Type of motors:**  
  • wCK-1111K → 11kg torque  
  • wCK-1108K → 8kg torque  
– **Computing unit:**  
  • Vision/AI processor: BF561 Dual-core DSP microcontroller with 2x 500MHz  
  • Movement control: AT91SAM7X256 from Atmel with 50 MHz  
– **Camera:** Omnivision OV2640  
– **Sensors:** 2 cameras and an IMU (3-axis accelerometer, 3-axis gyroscope, 3-axis magnetometer)  
– **Walking speed:** up to 300 cm/min  
– **Other specs:**  
  • Weight: 1.9 kg  
  • Size: 36 cm