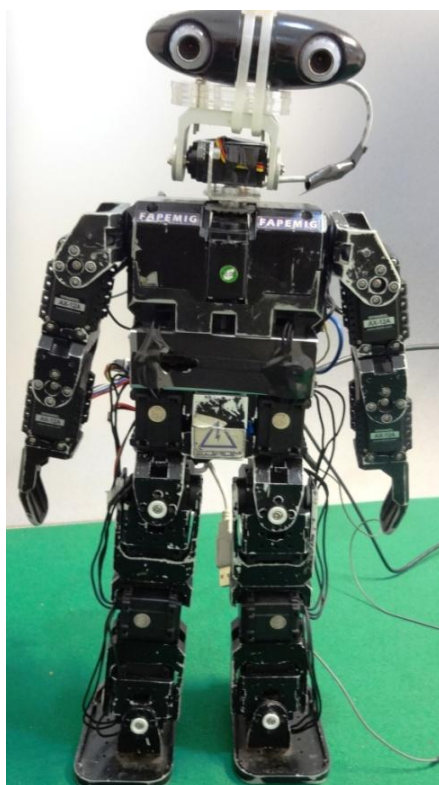


EDROM Robot Specification

Luis O. B. Tenani, Murilo M. Venâncio, Thomas Vergutz, Yuri S. Sousa, João Carlos M. Carvalho, Rogério S. Gonçalves

Federal University of Uberlândia, Brazil

rsgoncalves@mecanica.ufu.br



Robot names	HOPE; KATE; LENA and ROSE
Height of Robot	43 cm
Weight of Robot	2.4 Kg
Walking Speed	2.9 cm/s
Type of motor	Dynamixel AX-12A Servo HS 485
Degree of freedom	20 Leg: 6 x 2 (AX-12A) Arm: 3 x 2 (AX-12A) Head: 2 (HS 485)
Computing unit	Roboard RB-110 1Ghz, and 250Mb DDR 2 Operating System: Linux
Camera	Minoru 3D
Sensor	PhidgetSpatial sensor Gyroscope 3-Axis, Accelerometer 3-Axis
Batteries	Lithium-Polymer: 1 x 7.4V and 800mAh 1 x 11.1V and 2200mAh