

ITAndroids Humanoid Robots Specifications for RoboCup 2017

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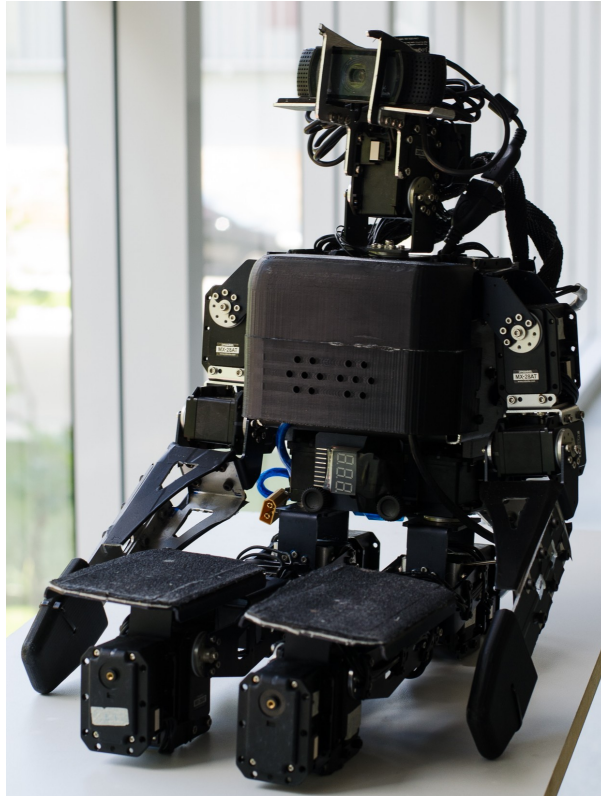
<http://www.itandroids.com.br>

1 Robotis OP2 (1x)



Robot name	Baby
Height of the robot	480 mm (with football boots)
Weight of the robot	2.8 kg
Walking speed in cm/s (over grass)	20
Number of DoF	20 (2 neck + 3 per arm + 6 per leg)
Main computer	Intel Atom N2600 @ 1.6 GHz dual core
Subcontroller	CM-740
Camera	Logitech C905
IMU	3-axis accelerometer + 3-axis gyrometer
Servomotors	20 x Dynamixel MX-28T
Battery	1800 mAh 3 cell LiPo (11.1–12.6 V)

2 Chape (4x)



Robot name	Chape
Height of the robot	530 mm (with football boots)
Weight of the robot	3.1 kg
Walking speed in cm/s (over grass)	20
Number of DoF	20 (2 neck + 3 per arm + 6 per leg)
Main computer	Intel NUC Core i5 @ 2.6 GHz dual core
Subcontroller	CMB (designed by ITAndroids)
Camera	Logitech C920
IMU	3-axis accelerometer + 3-axis gyrometer
Servomotors	20 x Dynamixel MX-28AT
Battery	1300 mAh 4 cell LiPo (14.8–16.8 V)