

ITAndroids Humanoid Robots Specifications for RoboCup 2017

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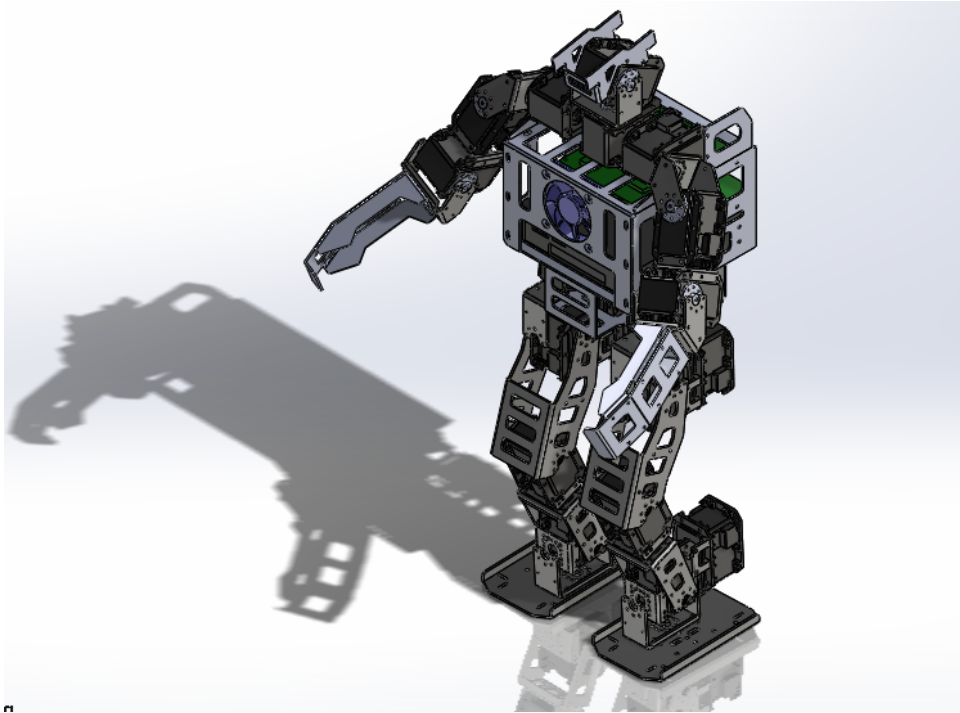
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1 Robotis OP2 (1x)



Robot name	Baby
Height of the robot	480 mm (with football boots)
Weight of the robot	2.8 kg
Walking speed in cm/s	29
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) – in construction



Robot name	–
Height of the robot	≈ 530 mm
Weight of the robot	≈ 3.1 kg
Walking speed in cm/s	29 (estimate)
Number of DoF	20 (2 neck + 3 per arm + 6 per leg)
Main computer	Intel NUC Core i5 @ 2.6 GHz dual core
Subcontroller	Arbotix-Pro
Camera	Logitech C920
IMU	3-axis accelerometer + 3-axis gyrometer
Servomotors	20 x Dynamixel MX-28AT
Battery	1100 mAh 4 cell LiFe A123 (13.2–14.4 V)