

AUTMan Humanoid Kid-Size Team Specification Paper

<RoboCup 2012 Humanoid Kid-Size Robot League>

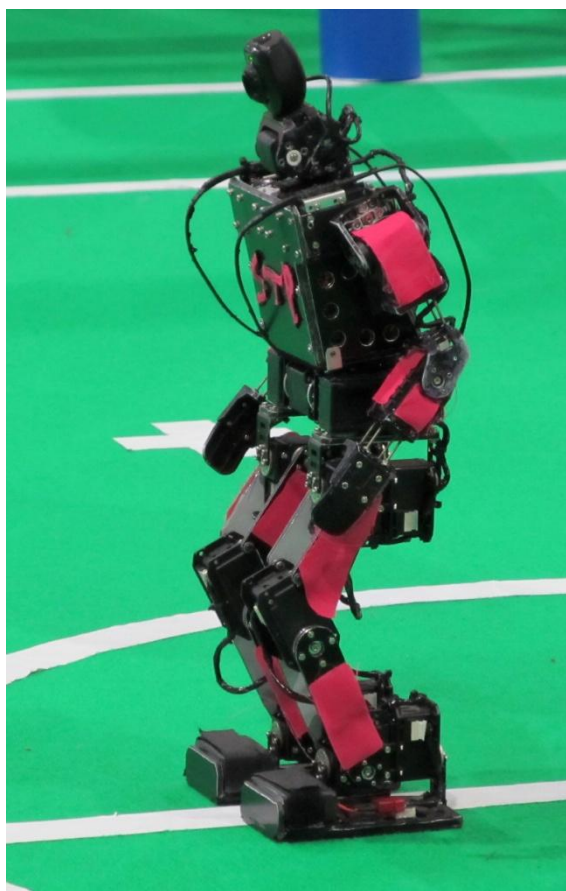
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All three robots have the same specs.

Robot Name: *AUTMan I*

Specification:



Height	58 Cm
Weight	3.8 Kg
Walking Speed	10 Cm/s
Degrees of Freedom	21 in total: 6 in hands and neck 3 in knee joints and waist joint 2 in shoulders and other joints
Type of Motors	Dynamixel Rx-28 Dynamixel Rx-64
Sensors	HMC5843 3D Compass IDG650 2D Gyroscope ISZ650 Z Gyroscope
Camera	Logitech C905 wide
Resolution	640*480 pixels
Computing Unit	Max-data QutePc3020 1.6 GHz Intel Atom 1 Gb DDR2 memory
Accelerometer	ADXL345 3D Accelerometer
Wi-Fi Module	H-WiFi module bases on HED's AirQuick™
Battery	18.5v, Li-Po 2000mAh