

Baset Kid-Size 2014 Team Specification Paper

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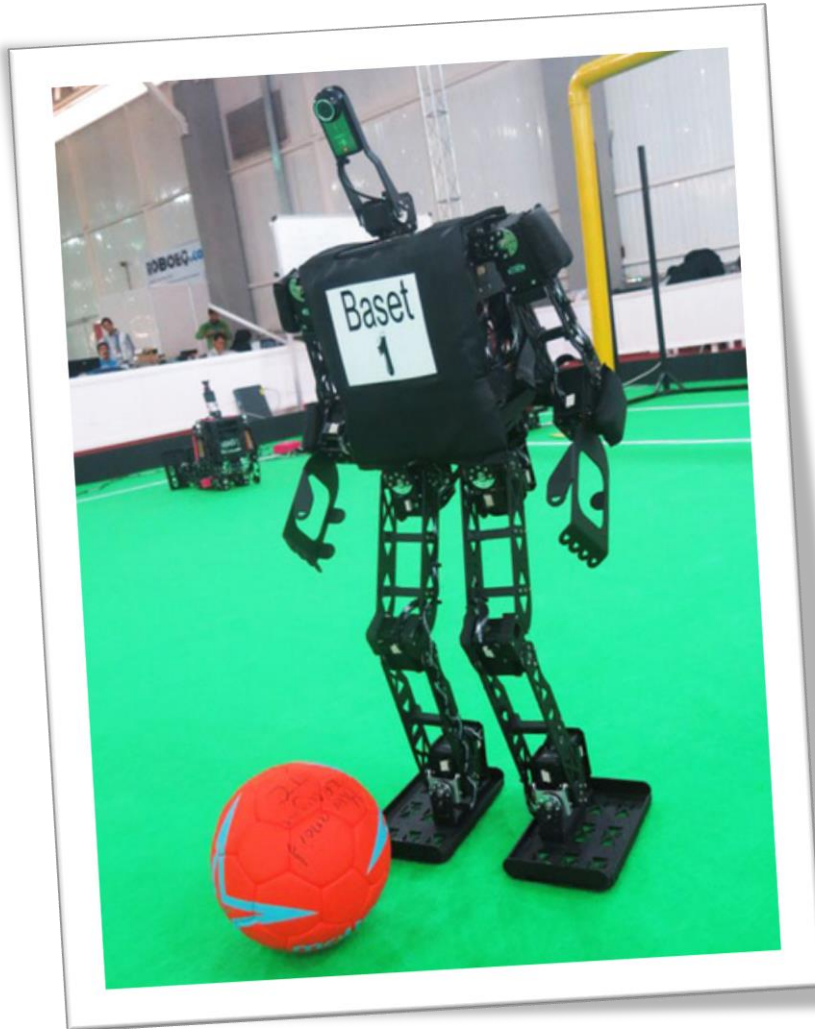
²preferred referee

<http://robot.basetp.com>

All Four robots have the same specs.

Robot Name: *Baset Kid-Size*

Specification:



| | |
|---------------------------|---|
| Height | 84 Cm |
| Weight | ~6.8 Kg |
| Walking Speed | 45 Cm/min |
| Degrees of Freedom | 20 in total: 6 in arms 2 in neck 6 in each leg |
| Type of Motors | Mx-106 Mx-64 Mx-28 |
| Sensors | HMC5843 3D Compass IDG650 2D Gyroscope |
| Camera | ISZ650 Z Gyroscope Logitech C905 wide |
| Resolution | 640*480 pixels |
| Computing Unit | Max-data QutePc3020 1.6 GHz Intel Atom |
| Accelerometer | 1 Gb DDR2 memory ADXL345 3D Accelerometer |
| Wi-Fi Module | H-WiFi module bases on HED's AirQuickTM |
| Battery | 11.1V, Li-Po 5000mAh |