

PIONEROS MÉXICO One-Page specifications

RoboCup 2010, Humanoid League Kid Size

1.- Robot picture.



2.- Robot Name.

The name of the robots is: **Turco and Oliver**

3.- Number of degrees of freedom. 21

Each robot has twenty one degrees of freedom. They have one servo motor in every joint.

4.- Type of motors.

Dynamixel – RX10, RX28 and RX64.

5.- Computing unit.

Fit-PC2 single board computer with Intel Atom Z530 CPU @ 1.6 GHz, using XP embedded as OS.

6.- Camera.

CMUcam2 , via Serial port.

7.- Sensors

OceanServer OS5000-US, 3 axis accelerometer and digital compass.

8.- Bateries

Two rechargeable LiPo batteries of 7.4 volts at 20C 2100mAh