**Robot Specifications**

**Robot Names**

- Robo Ochoa (goalkeeper)
- Roboldinho (striker)
- Yet unnamed (striker)

**Physical specs:**
- Height: 37cm
- Weight: 1345g
- Walking speed: 10cm/s

**Degrees of freedom:**
- 18 DOF
- 5 DOF on each leg
- 3 DOF on each arm
- 2 DOF on the head

**Servo motors:**
- 16 HSR-8498HB digital servomotors by Hitec
- 2 CS-12MG micro servomotors by Hobbico

**Exteroceptive sensors:**
- 1 CMUcam3 vision system by Devantech
- 1 CMPS03 digital compass byMultiplex
- 2 PK3 gyroscopes by Analog Devices
- 1 ADXL330 3-axis accelerometer

**Processing units:**
- MR-C3024 computing unit
- CMUcam3 computing unit
- Atmel ATmega128 microcontroller 8-bits
- Philips LPC2106 microcontroller based on the 32-bit ARM7TDMI core