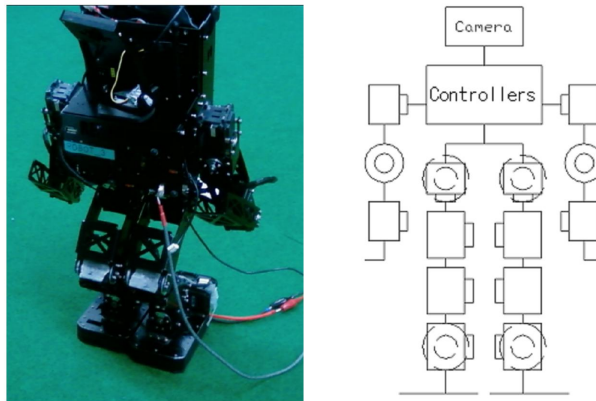


## Spirit Team Robot Specification



**Fig. 1.** Spirit(Robot name) Picture and DOF of the robot.

### 1. Summary

We had developed three soccer humanoid robots. They are named Spirit-1, Spirit-2 and Spirit-3. All of them have same specifications and design. Our team has participated with many small humanoid competitions which are robot fight and dance. Fig. 1 is a picture of Spirit-1. And Table 1 is specifications of Spirit-1.

**Table 1.** Hardware Specification

	Detail
Computing Units	Celeron-M 600 MHz $\times$ 1 TMS320F2810 $\times$ 1
Camera	CMOS Camera(Wide angle lens) $\times$ 1
Sensor	Tilt $\times$ 1, Rate Gyro $\times$ 2,
Motor(DOF)	Motor module(ATMEGA8, temperature, potential meter) $\times$ 18
Weight	4.27 Kg
Walking Speed	0.15 m/sec
Communication	USB 2.0, RS-232, RS-485