Robot Specification

Name: Phoenix-1/Phoenix-2
Height: 58 CM
Weight: 4 KG
Walking speed: ~0.2m/s
Number of DOF: 21

Actuators used: Servo motor
* Manufacturer: ROBOTIS Dynamixel RX-28, RX-64
* Torque: 37.7 KG-CM (@16 V), 64.4 KG-CM (@16 V)
* Speed: 0.126 sec/60°, 0.188 sec/60°

Sensors used:
Camera
* Manufacturer: Logitech Quickcam Pro
* Specification: 15 frames per sec., 320 X 640 resolutions
Tilt Sensor
* Manufacturer: Analog Device, ADXL202
* Specification: +/- 2g
Rate Gyro (2X)
* Manufacturer: Silicon Sensing Systems, CRS03-02
* Specification: +/- 100 deg/sec

Processing boards used:
Vision Board and Main PC
* Manufacturer: Advantech
* Processor: PICO-ITX
* Speed: 1.6 GHz
* OS: LINUX

Motor controller
* Manufacturer: Philips LPC-2148
* Processor: ARM7 TDMI-S
* Speed: 60MHz