Robot Specification

Name: KM-1/KM-2/KM-3/KM-4
Height: 49 CM
Weight: 3 KG
Walking speed: ~0.2m/s
Number of DOF: 20
Actuators used: Servo motor
* Manufacturer: ROBOTIS Dynamixel RX-28, RX-64
* Torque: 37.7 KG-CM (@16 V), 64.4 KG-CM (@15 V)
* Speed: 0.126 sec/60°, 0.188 sec/60°
Sensors used:
Camera
* Manufacturer: Logitech Quickcam Pro9000
* Specification: 15 frames per sec., 320 X 640 resolutions
Tilt Sensor
* Manufacturer: Analog Device, ADXL202
* Specification: +/- 2g
Rate Gyro (3X)
* Manufacturer: Silicon Sensing Systems, CRS03-02
* Specification: +/- 100 deg/sec
Magnetic Compass
* Manufacturer: Devantech
* Specification: Resolution 0.1 degree (Accuracy ~5 degree)
Processing boards used:
Vision Board and Main PC
* Manufacturer: Advantech
* Processor: PICO-ITX
* Speed: 1.6 GHz
* OS: LINUX
Motor controller
* Manufacturer: Philips LPC-2138
* Processor: ARM7 TDMI-S
* Speed: 60MHz