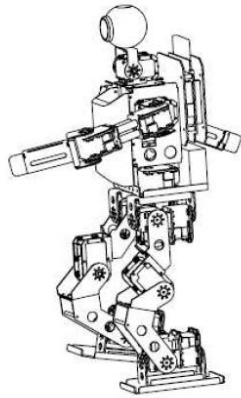


Robot Specification



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