



Name: Chongkho-I, Chongkho-II, Chongkho-III, Chongkho-IV

Height: 37.2 CM

Weight: 19.8 KG

Walking speed: ~0.18m/s

Number of DOF: 19

Actuators used: Servo motor

* Manufacturer: ROBOTIS Dynamixel AX-12

* Torque: 16.5 KG-CM (@10.0V), KG-CM (@10.0V)

* Speed: 0.196sec/60°, sec/60°

Sensors used:

Camera

* Manufacturer: Comedia Ltd.

* Specification: RS-232: 115.2K bps for transferring JPEG still pictures or 160x128 preview @8bpp with 0.75~6 fps

Accelerometer

* Manufacturer: Analog Device, ADXL335

* Specification: 3-Axis +/- 3g

Rate Gyro (2X)

* Manufacturer: InvenSense, Inc., IDG-500

* Specification: ±500°/sec(X-OUT/Y-OUT)

Magnetic Compass

* Manufacturer: Devantech, CMPS03

* Specification: representing 0-359.9 degrees.

Processing boards used:

Vision Board

* Manufacturer: FriendlyARM, ARM 9 Mini2440

* Processor: Samsung S3C2440A, frequency 400 MHz, the highest 533 MHz

* OS: Microsoft® Windows® CE 5.0

Motor controller

* Manufacturer: Atmel Corporation

* Processor: AVR ATmega 128, Speed: 16MHz