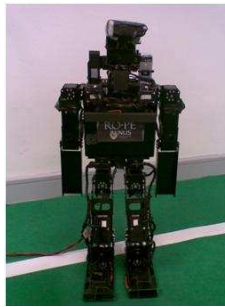


Specifications for RO-PE-VI of Team RO-PE

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o Image of robot:



- o Name of robot (or robot type) : RO-PE-VI
- o Height : 57cm
- o Weight : 3.5kg
- o Walking/running speed : 3 m/min
- o Number of degrees of freedom (DOF) : 19
- o Actuators used:
 - Robotis RX-28
Holding Torque: 28.0kgcm at 12.0 Volt
Speed: 0.167Sec / 60 degrees at 12.0 Volt
 - Robotis RX-64
Holding Torque: 53.0kgcm at 15.0 Volt
Speed: 0.198Sec / 60 degrees at 15.0 Volt
- o Sensors used:
 - A4-Tech Web Camera
CMOS 640x480
 - Crossbow Accelerometer CXL04LP3
Span: +/- 4g
Sensitivity: 500 mV/g
 - Silicon Sensing Systems, CRS03-02
Rate range: +/- 100deg/sec
- o Processor:
 - Cool Roadrunner LX-800
PC/104-Plus CPU Board
Speed: 500MHz