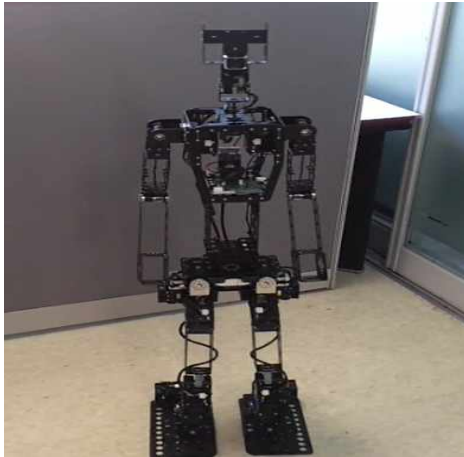


Robot Specification



1. Robot Name - KW
2. Height of Robot - 131 cm
3. Weight of Robot - 13.0kg
4. Walking Speed
 - 1) 0Walking forward : 25cm / s
 - 2) Turning Left(Right) : 40 deg / s
5. Number of degrees of freedom
 - Total DOF : 20DOF
 - 1) HEAD : 2 DOF
 - 2) SHOULDER : 4 DOF
 - 3) ELBOW : 2 DOF
 - 4) HIP : 4 DOF
 - 5) LEG : 8 DOF
6. Type of motors
 - 1) HEAD : SAM-28 x 2 ea
 - 2) SHOULDER PITCH : SAM-160 x 2 ea
 - 3) SHOULDER ROLL : SAM-28 x 2 ea
 - 4) ELBOW : SAM-28 x 2 ea
 - 5) HIP YAW : SAM-160 x 2 ea
 - 6) HIP ROLL : SAM-210 x 2 ea
 - 7) LEG : SAM-210 x 8 ea
- SAM-28 Specification
 - Torque / RPM : 28 kgfcm / 90 rpm
 - Input Power : 9 ~ 24Vdc
- SAM-160 Specification
 - Torque / RPM : 160 kgfcm / 55 rpm
 - Input Power : 9 ~ 24Vdc
- SAM-210 Specification
 - Torque / RPM : 210 kgfcm / 50 rpm
 - Input Power : 9 ~ 24Vdc
7. Type of sensors used (incl. type of camera(s))
 - 1) Vision Camera : MS HD-5000
 - 2) Gyrometer x 1 ea
 - 3) Acceleration Sensor x 1 ea
8. Computing Unit(s)
 - 1) Built-in PC : Fit-PC3
 - 2) CPU : AMD Dualcore Embedded 1.65GHz
 - 3) Memory : 8GB
 - 4) Serial : RS232
 - 5) Graphics : AMD Radeon HD 6xxx
 - 6) Network : 802.11b/g/n Wi-Fi