


SitiK KIT

Robots Specifications for Humanoid KidSize League of RoboCup 2009

Table Specifications

Robot Picture	
Robot Name	Moyuru, Makoto, Kakeru
Height [cm]	59.5
Weight [kg]	5.0
Walking Speed [m/s]	0.22
Actuator:	Robotis, Dynamixel
Torque [kg-cm]	RX-64(10) RX-28(10)
Speed [sec/60°]	77.2 28.3
	0.157 0.167
Degrees of freedom	20 in total with 6 in each leg (RX64 x 5, RX28 x 1), 3 in each arm (RX28 x 3), 2 in the neck (RX28 x 2)
Sensors:	
Camera:	Point Grey Research, Firefly MV, FFMV-03MTC-CS
Resolution	640 x 480
Color space	YUV, HSV
Frame rate [fps]	60, 30, 15, 7.5
Position(Geomagnetism, Accelerometer, Gyroscope)	NEC Tokin, 3D motion sensor, MDP-A3U9S
PC:	
Manufacturer	SONY, VAIO typeU
Processor [GHz]	Core Solo 1.20
Network	IEEE802.11a
Batteries [V]	A123 Systems Cells:18650 Li-Fe 18.8