

Team ROPE KidSize Robot Specifications



Height	59.5cm
Weight	3.8kg
Walking speed:	0.14m/s max
Degrees of Freedom	20 in total: 6 in each leg, 3 in each arm, 2 in the neck
Servo motors	4 Robotis RX-64 16 Robotis RX-28
Camera <ul style="list-style-type: none"> • Resolution • Max frame rate • Colour Space • Angle 	Philips SPC 900 NC <ul style="list-style-type: none"> • 1.3 MP • 90fps • HSV • 45 degrees
Rate Gyro	2x Silicon Sensing Systems, CRS03
Accelerometer	1x 3 axes
Microcontroller board:	ARM7 TDM1-S Microprocessor
Onboard PC <ul style="list-style-type: none"> • Processor • RAM • Operating system • LAN • WLAN • Mass storage 	<ul style="list-style-type: none"> • Geode LX800 , 500MHz • 1 GB DDR2 • Windows 2000 • Gigabit Ethernet • 802.11/a/b/g • innoDisk compact flash 4 GB
Batteries	LiPo, 8V