

# Robot Specification



Robot Name: GRM-Strong

Height: 583mm

Weight: 4090g

Walking speed: 0.035m/s

Number of degrees of freedom: 20

Joint torques: RX64, 64.4kgf/cm, RX28: 28.8kgf/cm

Type of sensors used: Logitech Quickcam 5000, ADCL203accelerometer

Computing units: PC104 AMD 1x800 500MHz

Source: Polymer Lithium Ion Batteries, special Power Module

Capacity: full-load operation 25min

gait locomotion: Current planning, global motion

the control of motor: ARM+Real Time Operating System,

100MHz image acquisition: 640\*480, 15f/s

the software of gait: MotionDebug4.3 support the wireless debug

memory: 256M internal memory+4G external storage

network: cortex-M3 LPC1768

operating system: Linux