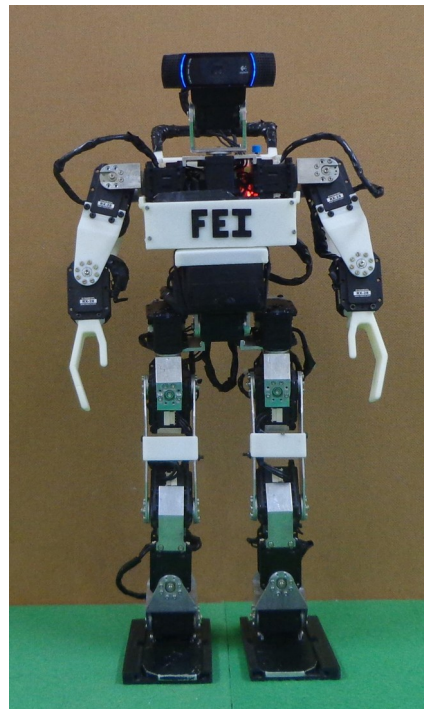
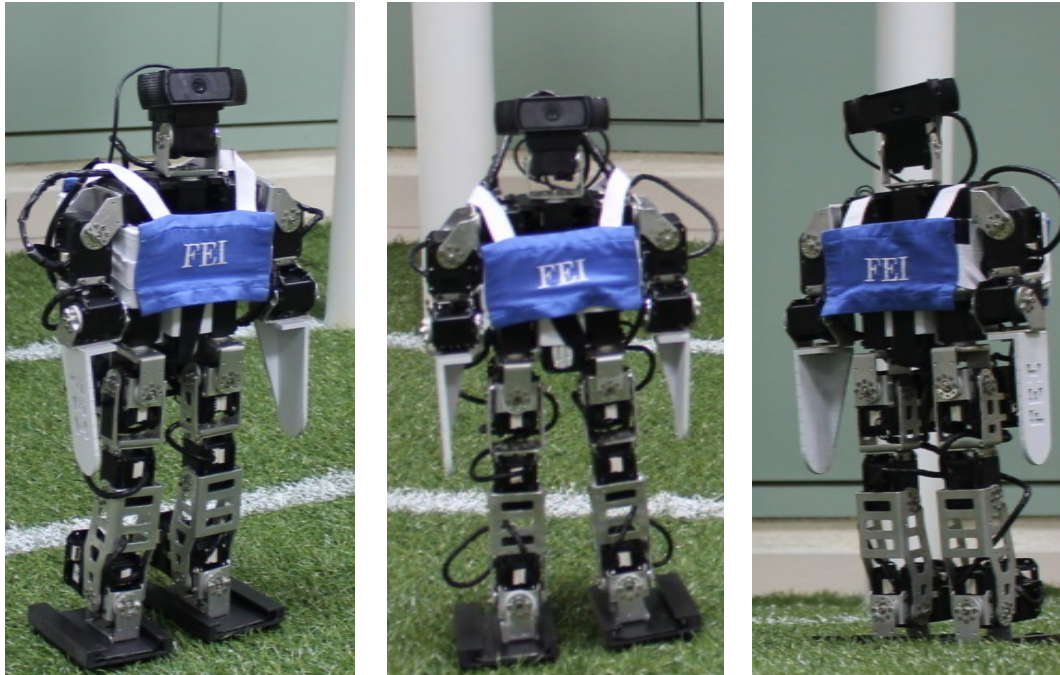


RoboFEI-HT - 2016 Robot Specification



The Newton Robot, standing up.

Robot Name	Newton Robot
Height	520 mm
Weight	3.0 Kg
Walking Speed	70 cm/min
Degrees of Freedom	22 in total: 6 DOF per leg, 3 DOF per arm , 2 DOF on the head, 2 DOF on the hip
Type of motors	Dynamixel RX-28
Sensors	UM6 Ultra-Miniature Orientation Sensor
Camera	Logitech HD Pro Webcam C920 (Full HD – 1920x1080)
Computing Unit	Intel NUC
	Intel NUC i5-4250U, 8GB DDR3 SDRAM, 120GB SDD
	WLAN – 802.11b/g/n
Operating System	Linux Ubuntu 14.04
Battery	Lipo 2000mAh



Robot Name	B1-1, B1-2 and B1-3
Height	490 mm
Weight	3.0 Kg
Walking Speed	10 cm/s
Degrees of Freedom	20 in total: 6 DOF per leg, 3 DOF per arm , 2 DOF on the head,
Type of motors	Dynamixel RX-28
Sensors	UM7 Ultra-Miniature Orientation Sensor
Camera	Logitech HD Pro Webcam C920 (Full HD – 1920x1080)
Computing Unit	Intel NUC
	Intel NUC i5-4250U, 8GB DDR3 SDRAM, 120GB SDD
	WLAN – 802.11b/g/n
Operating System	Linux Ubuntu 14.04
Battery	Lipo 2000mAh