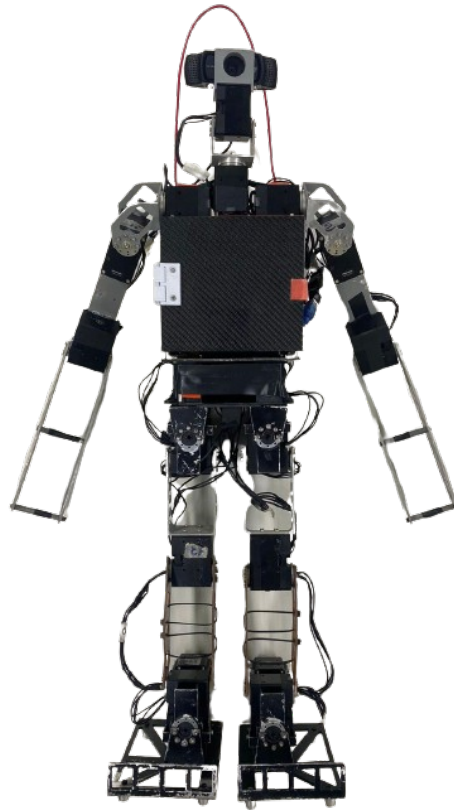


RoboFEI 2024 Robot Specification

Altair



Name	Altair	
Height	740mm	
Weight	6,8Kg	
Walking Speed	28cm/s	
Degrees Of Freedom	Neck	2 DOF
	Arm	6 DOF (3 per arm)
	Leg	12 DOF (6 per leg)
Servo Motors (Dynamixel)	Neck	1 XM-430 / 1 XM-540
	Arm	6 XM-540 (3 per arm)
	Leg	12 XM-540 (6 per leg)
Sensors	WebCam Logitech C920	
	MPU-6050 (it does not have a magnetometer)	
Computing Unit	Intel NUC i7-5500U, 12GB DDR3 SDRAM, 120GB SSD	
System	Linux Ubuntu 20.04	
Battery	LiPo 4s 5200mAh 50C TP5200-4SE55	

RoboFEI 2024 Robot Specification

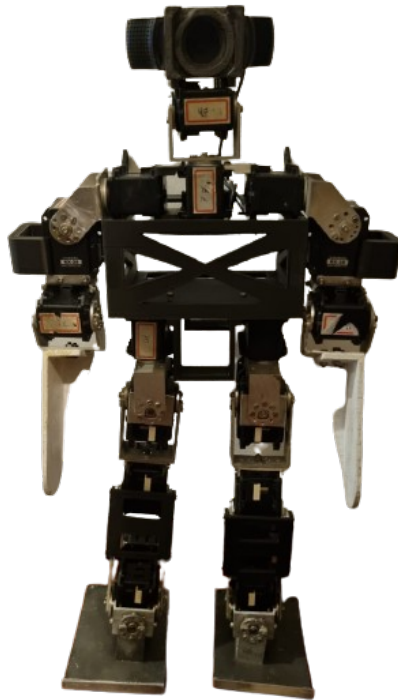
Sustainaban



Name	Sustainaban	
Height	750mm	
Weight	7kg	
Walking Speed	28cm/s	
Degrees Of Freedom	Neck	2 DOF
	Arm	6 DOF (3 per arm)
	Leg	12 DOF (6 per leg)
Servo Motors (Dynamixel)	Neck	1 XM-430 / 1 XM-540
	Arm	6 XM-540 (3 per arm)
	Leg	12 XM-540 (6 per leg)
Sensors	WebCam Dell pro WB5023	
	MPU-6050 (it does not have a magnetometer)	
Computing Unit	Intel NUC i7-5500U, 12GB DDR3 SDRAM, 120GB SSD	
System	Linux Ubuntu 20.04	
Battery	LiPo 4s 5200mAh 50C TP5200-4SE55	

RoboFEI 2024 Robot Specification

Newton/Darwin



Name	Newton/Darwin	
Height	520mm	
Weight	4.5 Kg	
Walking Speed	28cm/s	
Degrees Of Freedom	Neck	2 DOF
	Arm	6 DOF (3 per arm)
	Leg	12 DOF (6 per leg)
Servo Motors (Dynamixel)	Neck	1 RX-28
	Arm	6 RX-28 (3 per arm)
	Leg	12 RX-28 (6 per leg)
Sensors	WebCam Logitech C920	
	MPU-6050 (it does not have a magnetometer)	
Computing Unit	Intel NUC i3, 12GB DDR3 SDRAM, 120GB SSD	
System	Linux Ubuntu 20.04	
Battery	LiPo 4s	