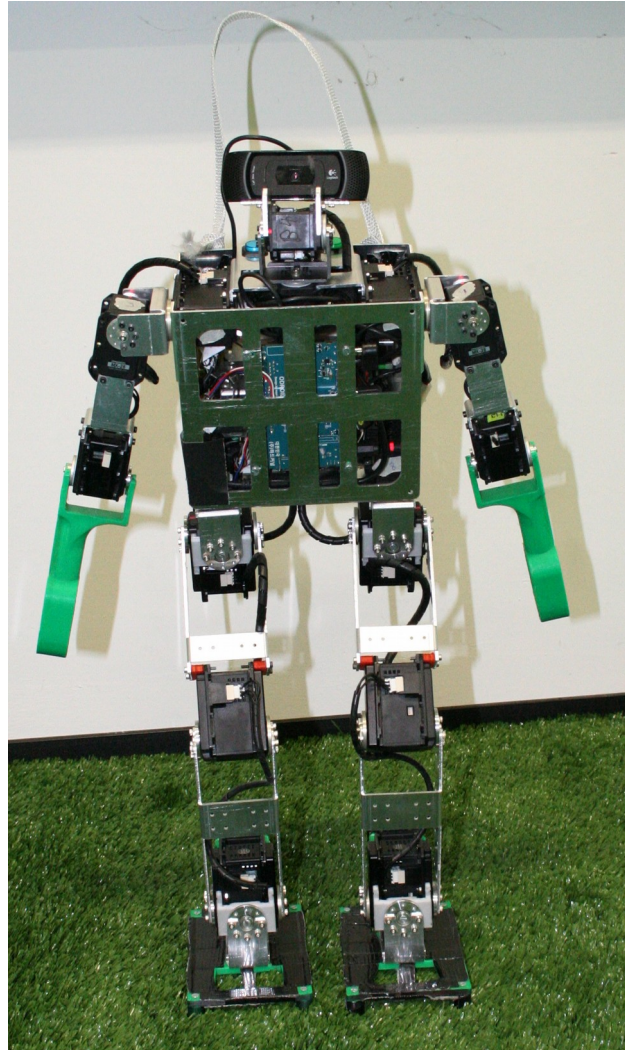
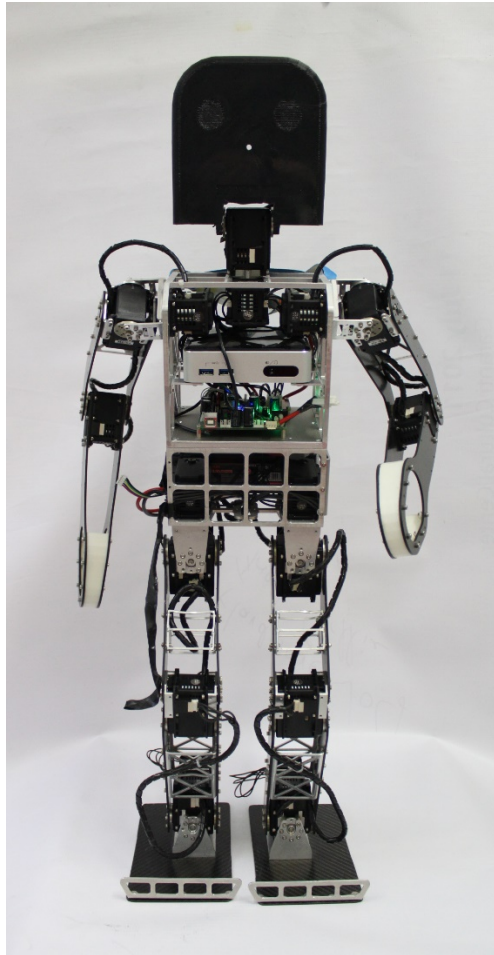


Robots of Hamburg Bit-Bots

Iran Open 2018



Name of type	Minibot
Height	about 700 mm
Weight	4 kg
Walking speed	24.0 cm/sec
Degrees of freedom	20
Motors	DYNAMIXEL MX-28 & DYNAMIXEL MX-64 & DYNAMIXEL MX-106
Type of sensors	3-axis gyro (body) 3-axis accelerometer (body) 2 microphones (head) high-definition USB Webcam (head) 3D-printed pressure sensors (feet)
Computing unit(s)	Samsung Exynos5422 Cortex 1.8Ghz(A15) & 1.3Ghz(A7) ARM CortexM3 STM32F103RE 72MHz



- **Height:** 83 cm
- **Weight:** 6.4 kg
- **Walking speed:** 32 cm/s
- **Number of degrees of freedom:** 20
 - o 6 per leg (x2), Dynamixel MX-106
 - o 3 per arm (x2) , Dynamixel MX-106
 - o 2 in the head, Dynamixel MX-106
- **Motors:** Dynamixel MX64 (x8) and MX106 (x12)
- **Sensors:**
 - o IMU: 3-axis accelerometer, 3-axis gyroscope, 3-axis magnetometer
 - o Camera: Logitech C920 HD Pro Webcam
- **Computing units:**
 - o Main processor: Intel i5 4250U
 - o Nvidia Jetson