

MU-L8 TeenSize Robot Data Sheet 2014

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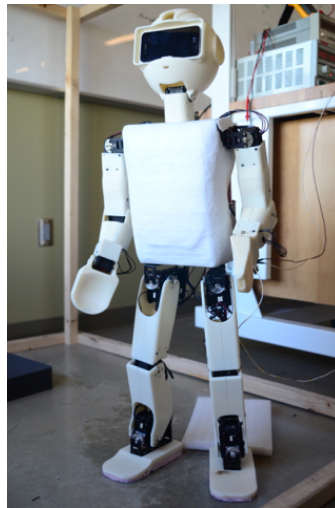


Figure 1 The MU-L8 Humanoid Robot

- **Robot name:** MU-L8
- **Number of degrees of freedom:** 24 DOF: 2 head, 5 per arm, 6 per leg
- **Type of motors:** 24 Robotis Dynamixel motors. Each leg has six MX-106T actuators; each arm has three MX-64T and two MX-28T actuators. The neck has two MX-64T actuators.
- **Computing Unit:** Intel NUC 53427HYE 3rd Generation i5- 3427U (1.8-2.8 GHz) with Ubuntu Linux OS.
- **Camera:** 720p Logitech C905 webcam
- **Sensors:** Nexus Android Smartphone with 3-axis gyroscope and 3-axis accelerometer.
- **Physical specs:** size: 91.5 cm, weight: 7.7 kg.
- **Walking speed:** omnidirectional walking; speed to be determined
- **Material:** All limbs and head are 3D printed ABS plastic and the torso is machined aluminum.