

NimbRo AdultSize Robot Data Sheet

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<http://www.nimbro.net>

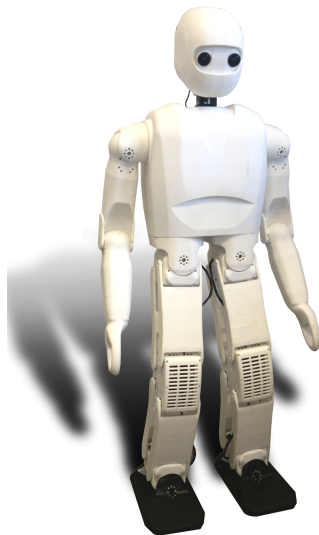


Fig. 1. The NimbRo-OP2 robot.

- **Robot name:** NimbRo-OP2
- **Degrees of freedom:** 18 DOF (5 per leg, 3 per arm, 2 in the neck)
- **Type of motors:** Robotis Dynamixel MX-106R
- **Processor:** Intel NUC NUC7I7BNH, Intel Core i7-7567U 3.5–4.0 GHz
- **Walking speed:** Omnidirectional walking, up to 40cm/s
- **Cameras:** Logitech C905 USB camera with a custom wide-angle lens
- **Sensors:** 3-axis accelerometer (LIS331DLH chip) and 3-axis gyroscope (L3G4200D chip)
- **Other specs:** Height 134.5 cm, weight 18.0 kg

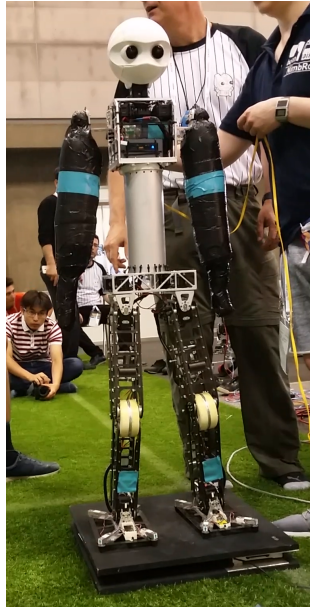


Fig. 2. The Nimbro robot Copedo.

- **Robot name:** Copedo
- **Degrees of freedom:** 14 DOF (5 per leg, 1 per arm, 2 in the neck)
- **Type of motors:** Robotis Dynamixel EX-106+ and RX-64
- **Processor:** Intel NUC NUC7I7BNH, Intel Core i7-7567U 3.5–4.0 GHz
- **Walking speed:** Omnidirectional walking, up to 20cm/s
- **Cameras:** Logitech C905 USB camera with a custom wide-angle lens
- **Sensors:** 3-axis accelerometer (LIS331DLH chip) and 3-axis gyroscope (L3G4200D chip). Force sensors in feet.
- **Other specs:** Height 131 cm, weight 10.1 kg