

ROBOT SPECIFICATION

PHYSICAL SPECIFICATIONS

| | |
|---|------|
| Height (cm) | 45.5 |
| Weight (kg) | 2.9 |
| Walking Speed (cm/s) | 20 |
| Modified 3D printed head with upgraded camera | |

THE UNIVERSITY OF NEWCASTLE
(AUSTRALIA)

DEGREES OF FREEDOM

| | |
|--------------|-----------|
| Legs (each) | 6 |
| Arms (each) | 3 |
| Neck | 2 |
| Total | 20 |

MOTORS AND SENSORS

| | |
|---------------------------------------|-----|
| Dynamixel MX-28 Servo | x20 |
| Logitech C920 USB 15MP Camera w/ Mic. | x1 |
| Additional Microphone | x1 |
| 3-axis Gyroscope | x1 |
| 3-axis Accelerometer | x1 |

COMPUTING UNITS

| | |
|-----------------------------|---------|
| Intel Atom ZS30 | 1.66GHz |
| CM730 Management Controller | 72MHz |



DARwIn-OP Robot.

