

ROBOT SPECIFICAION

PHYSICAL SPECIFICATIONS

| | |
|----------------------|------|
| Height (cm) | 45.5 |
| Weight (kg) | 2.9 |
| Walking speed (cm/s) | 15 |

DEGREES OF FREEDOM

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

MOTORS AND SENSORS

| | |
|-----------------------------|-----|
| Dynamixel MX-28 Servo | X20 |
| C905 USB 2MP 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 |

THE UNIVERSITY OF NEWCASTLE (AUSTRALIA)



DARwin-OP Robot

