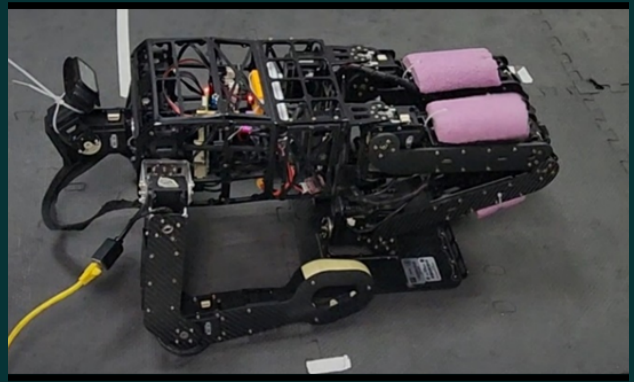


Robot Specifications



Robot Name
Xiimbal

Height
0.90 [m]

Weight
8[kg]

Walking speed
3 [cm/s]

20 DOF

- Legs: 5X2 Dynamixel MX 106 2 and Dynamixel MX64.
- Arms: 3X2 Dynamixel MX 64.
- Head: 2 Dynamixel MX 64.

Sensors:

- Camara Logitech C920 Pro HD 1080p
- Accelerometer MPU 60 50

Computing Unit(s):

- Raspberry Pi 4 MODEL B 8 GB RAM
- Processor: 64 bit quad core cortex A72

Materials:

- HEAD: aluminium 6061
- ARMS: aluminium 6061 and CFC
- LEGS: aluminium 6061 and CFC
- HIP: aluminium 6061 and PLA

Electronics:

- Raspberry Pi 4 B.
- Custom board for power and signal
- USB to Dynamixel V2 (U2D2)
- IMU MPU6050

Battery:

- 3S1P 11.2 [V] 5200 [mA] LiPo

Open-Source Link (if applicable):

<https://github.com/mnegretev/Humanoids>