

## Robot picture



## Robot name

Booster K1

## Height of the robot

~95cm

## Weight of the robot

~19.5kg

## Number of degrees of freedom and type of motors on each kinematic chain of the robot

Total DoFs: 22

DoFs per Leg: 6

DoFs per Arm: 4

Head DoFs: 2  
Motor type: Unknown

## Actuator model name and Wattage

Max Peak Torque: 60N·m  
Joint Encoder: Dual Encoder  
Actuator model name: Unknown

## Type of sensors used

Camera: Stereo Depth Camera  
IMU: 9-axis IMU  
Audio: Circular 6-Mic Array + speaker  
Manufacturer part numbers: Unknown

## Computing unit(s)

GPU: 200 TOPS AI performance

## Materials (e.g., Torso aluminium, legs and arms CFRP)

Unknown

## Electronics (e.g., CM730 for communicating with servos)

Unknown

## Battery (e.g. 3S1P 2200mAh LiPo)

Battery Life: 80min (walking 0.4m/s)

## Open Source link if applicable

[https://github.com/BoosterRobotics/robocup\\_demo](https://github.com/BoosterRobotics/robocup_demo)

Other specs (Jerseys if already available)

<https://www.booster.tech/booster-k1/>