

Hardware specification for I-Teen

Robot picture:



Hardware specifications

Robot name	Booster K1
Height	0.95m
Weight	19.5kg
Walking Speed	0.5m/s
Turning Speed	1.0rad/s
degrees of freedom	22
motors	Booster Robotics Integrated Joints with Max Torque 60Nm, 50Nm, 36Nm, 14Nm, 7Nm
Camera	Intel Realsense D455 (current prototype), Zed 2i (for competition)
Gyro	9-Axis IMU SurPass A500
Computing Unit	NVIDIA Jetson Orin
Materials	7075 Aluminum Alloy and Engineering Plastics
Battery	100Wh Ternary lithium battery