

Robot Specification

Team Name: HERoEHS

Team Leader: Jeakweon(JK) Han (jkhan@hanyang.ac.kr)

Organization: Hanyang University

Nationality: South Korea



- Robot name : DIANA
- Degrees of freedom : 23 DOF [Leg(12), Arm(6), Waist(2), Head(3)]
- Height of robot : 130 cm
- Weight of robot : 30 kg
- Waking speed in cm/s : It has not been tested bipedal walking yet but recorded 400 cm/s on alpine ski slope (about 10 degree)
- Type of motors : Robotis Dynamixel MX-106 and MX-28
- Type of sensors : ZED stereo camera, LORD IMU sensor and Robotus FT sensors
- Computing unit (s) : NVIDIA TX2 and Intel Joule
- Other specs: It was originally developed for robot alpine ski challenge in 2018 Winter Olympics but can be transformed to a soccer robot by changing its feet.