

Whu United

Team Specification

Mingyu Hu, Shangshang Yang, Jiao Zhan, Zihao Mao, Chunyu Li, Jinchun Liu, Jingyang Li, Xiefeng Wu, Meng Mao, Wei Li, Xiangkun Li, Yuwei Tu, Yongxiang Nie, Zhicheng Hu, Yang Li, Jingyi Deng, Yinji Deng, Xiaojing Liu, Yangwen Zhang, Yuhao Guo, and Xinyi Cao

Wuhan University, Wuhan, China
mingyuhu@whu.edu.cn



Fig. 1. Unitree G1 Comp

- **Robot name:** G1 Comp
- **Height of the robot:** 1320 mm
- **Weight of the robot:** 35 kg
- **Walking Speed:** 2 m/s
- **Number of degrees of freedom:** 31
- **Type of motors:** Booster Robotics Integrated Joints with Max Torque 120Nm.
- **Sensors:** Camera, RealSense D455 with IR disabled; **Gyro**, 6-Axis High-Stability IMU
- **Control unit:** High-performance Real-time Motion Control Unit
- **Perception and Decision Unit:** NVIDIA Jetson Orin 16GB
- **Materials:** Aluminum Alloy and High-Strength Engineering Plastics
- **Battery:** 13S Ternary Lithium Battery