智元 AGIBOT | 智元酷拓 AGIQUAD

D1 Pro/Edu四足机器人产品参数表

分类	规格	说明
基础信息	材质信息	铝合金+高强度工程塑料
	站立尺寸（长 × 宽 × 高）	635mm×360mm×420mm
	趴地尺寸（长 × 宽 × 高）	675mm×435mm×145mm
	整机重量（含电池）	15.5kg
	自由度	整机自由度12，单腿3
	工作温度	0℃ ~40℃
	电池	额定容量4.6Ah，电压43.2v
	充电时长	约1h（电量10%-90%）
	续航时间	1-2h
	续航里程	6km±1km
性能参数	最大速度	3.5m/s
	额定负载	5kg
	连续攀爬楼梯高度	16cm
	最大爬坡角度	标准环境30°，极限可达40°
	跳跃起来离地高度	35cm
整机关节参数	最大关节扭矩	48N·m
	关节运动空间（机身）	-28° ~28°
	关节运动空间（大腿）	-170° ~66°
	关节运动空间（小腿）	35° ~156°
传感器	IMU	数量1个
	相机FOV	一个相机，分辨率1920x1080p，视场角DFOV122°，HFOV111°，VFOV70°
功能列表	标准动作	站立、卧倒、爬起、俯身向身、水平转身；向前跳、向上跳、后空翻、双腿站立、打招呼
	实时图像传输	支持
	二次开发	Edu版本支持，提供SDK开发包，标准化接口，提供机器人模型和仿真接口，支持Issac sim等仿真环境
	通讯功能	支持WIFI5.0，Wifi频段2.4GHz，WiFi发射功率21dBm。支持蓝牙5.0
	功能拓展接口	以太网口*1、USB接口*2、电源接口*2、SBUS接口*1、UART接口*1
配件	适配器	标配
	充电座	标配
	遥控器	摇杆遥控器

注释说明：

(1)充电时长数据为在标准环境温度 25° C 下测得

(2)续航里程数据为在速度1m/s，无负载工况下测得

(3)功能拓展接口使用说明，详见拓展说明手册；

(4)详细的保修条款，详见产品保修手册；

(5)以上参数为实验室测试数据，实际表现可能因使用环境、操作方式等因素有所差异，请以实际为准；

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D1 Pro Quadruped Robot — Technical Specification Sheet

Category	Specification	Description
Basic Information	Material	Aluminum alloy with high-strength engineering plastic
	Standing Dimensions (L × W × H)	635 mm × 360 mm × 420 mm
	Lying Down Dimensions (L × W × H)	675 mm × 435 mm × 145 mm
	Total Weight (with battery)	15.5kg
	Degree of Freedom	Entire Machine:12, Each Leg: 3
	Operating Temperature	0° C ~40° C
	Battery Module	Rated capacity: 4.6Ah, Voltage: 43.2V
	Charging Duration	about 1 hour (battery level 10%-90%)
	Battery Life (Operating Time)	1–2 hours
	Operating Range	6 km±1km
Performance Parameters	Maximum Speed	3.5 m/s
	Effective Payload	5kg
	Continuous Stair-Climbing Height	16 cm
	Maximum Climbing Angle	30° standard, up to 40° maximum
	Vertical Jump Height	35 cm
Joint Parameters	Maximum Joint Torque	48 N·m
	Joint Range of Motion (Body)	–28° ~+28°
	Joint Range of Motion (Thigh)	–170° ~–66°
	Joint Range of Motion (Calf)	+35° ~+156°
Sensors	IMU	1
	Camera FOV	A camera with a resolution of 1920×1080 pixels, featuring with DFOV 122°, HFOV 111°, VFOV 70°
Function List	Standard Actions	Standing, Lying, Damping Mode, Pitch Adjustment, Height Adjustment, Horizontal Turning; Forward Jump, Upward Jump, Biped Standing, Backflip, Waving, etc.
	Real-Time Image Transmission	Supported
	Secondary Development (SDK)	Edu version supported, provide SDK development packages, standardized interfaces, robot models, and simulation interfaces, supporting simulation environments such as Isaac Sim.
	Communication Features	Supported WiFi 5.0, Wi-Fi band: 2.4 GHz; Wi-Fi transmission power: 21 dBm. Supported Bluetooth 5.0
	Functional Expansion Ports	Ethernet*1, USB*2, Power Port*2, SBUS*1, UART*1
Accessories	Power Adapter	Standard
	Charging Dock	Standard
	Remote Control	Joystick Remote Control

Notes:
(1) Charging time is measured at a standard ambient temperature of 25°C;
(2) Operating range is measured at 1 m/s speed under no-load conditions;
(3) For details on the expansion interface usage, refer to the Expansion Interface Manual;
(4) For warranty terms, please refer to the Product Warranty Manual;
(5) All parameters are based on laboratory test data. Actual performance may vary depending on environment and operating conditions.