

## AGIBOT D1 Pro/Edu Quadruped Robot – Technical Specification Sheet

Category	Specification	Description
<b>Basic Information</b>	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)	15.5 kg
	Operating Temperature	0°C ~ 40°C
	Ingress Protection Rating	IP54
	Battery Module	Rated capacity: 4.6 Ah, Voltage: 43.2V
	Charging Duration	1 hour
	Battery Life (Operating Time)	1-2 hours
	Operating Range	6 km
<b>Performance Parameters</b>	Maximum Speed	3.5 m/s
	Effective Payload	5 kg
	Continuous Stair-Climbing Height	16 cm
	Maximum Climbing Angle	30° standard, up to 40° maximum
	Vertical Jump Height	35 cm
<b>Joint Parameters</b>	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°
<b>Sensors</b>	IMU	Standard
	Camera FOV	A camera with a resolution of 1920×1080 pixels, featuring DFOV 122°, HFOV 111°, VFOV 70°
<b>Function List</b>	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)	Supported
	Functional Expansion Ports	Ethernet*1, USB*2, Power Port*2, SBUS*1, UART*1
<b>Accessories</b>	Power Adapter	Standard
	Charging Dock	Standard
	Remote Control	Joystick Remote Control

### Notes:

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