Improvement of Athletic Ability
Complete the World's First Side Somersault

Peak speed: 4m/s,
Easily adapt to 10cm steps,
33° climbing

Self-developed technology and core components

Self-developed system and core component development, advanced motion control algorithm, intelligent environment perception and AI algorithm.

DEEP Robotics

DEEP Robotics is a technology company focused on smart quadruped robots, committed to achieving an efficient and smart future through the ultimate combination of motion control and AI. DEEP Robotics started in 2017 and provides a full range of solutions for industry applications, including education and scientific research as well as security inspection and exhibition demonstration.

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DEEP Robotics

Jueying Lite2

Dexterous Movement
Intelligent Interaction
Inspire the Innovative Applications of Quadruped Robot

Jueying Lite2 Parameters

	Explorer Edition	Professional Edition	LIDAR Edition
Gross Weight	10kg	10kg	12kg
Maximum Load	⩾7.5kg	⩾7.5kg	⩾5kg
Standing Dimension	540mmX315mmX355mm	540mmX315mmX355mm	540mmX315mmX355mm
Average Runtime	1-2.5hours (Detachable battery)	1-2.5hours (Detachable battery)	1-2.5hours (Detachable battery)
Maximum Slope	33°	33°	33°
Maximum height of steps	10cm	10cm	10cm
Maximum Speed	3.75m/s (Peak speed > 4m/s)	3.75m/s (Peak speed > 4m/s)	3.4m/s(Peak speed > 4m/s)
Communication Interface	Ethernet/USB/WIFI	Ethernet/USB/WIFI	Ethernet/USB/WIFI
Power Interface	12V/24V	12V/24V	12V/24V
Service Voltage	28.8V	28.8V	28.8V
AI Module	NVIDIA Jetson Nano	NVIDIA Jetson Xavier NX	NVIDIA Jetson Xavier NX
Multy-line LIDAR	/	/	16-line LIDAR
Optional	Mounting bracket, Large Screen Joystick		
	Provide SDK and documents of secondary development		
	Provide V2 version' s URDF model and DAE files of each parts for simulating		

* All parameters are official test data, and there might be deviations in the actual operating environment.

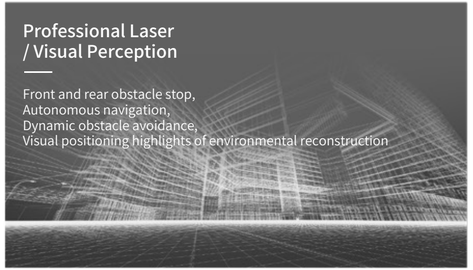
Inspire Secondary Development of Quadruped Robot

Secondary development interfaces for motion control and intelligent perception, objective recognition, human following, deep learning, voice recognition interaction.

Remote video call, VR immersion experience and more waiting for you to develop.

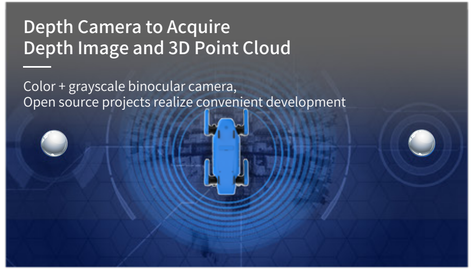
Professional Laser / Visual Perception

Front and rear obstacle stop,
Autonomous navigation,
Dynamic obstacle avoidance,
Visual positioning highlights of environmental reconstruction



Depth Camera to Acquire Depth Image and 3D Point Cloud

Color + grayscale binocular camera,
Open source projects realize convenient development



Replaceable Battery

Convenient replacement
Strong endurance and output capacity

Wireless Voice Interaction Autonomous Visual Shooting

Support Bluetooth headset remote interaction, use sound to activate professional perception

High-strength Core Components to Support More Creative Movement Modes

Continuous bound, jump in motion, twisting jump … and more