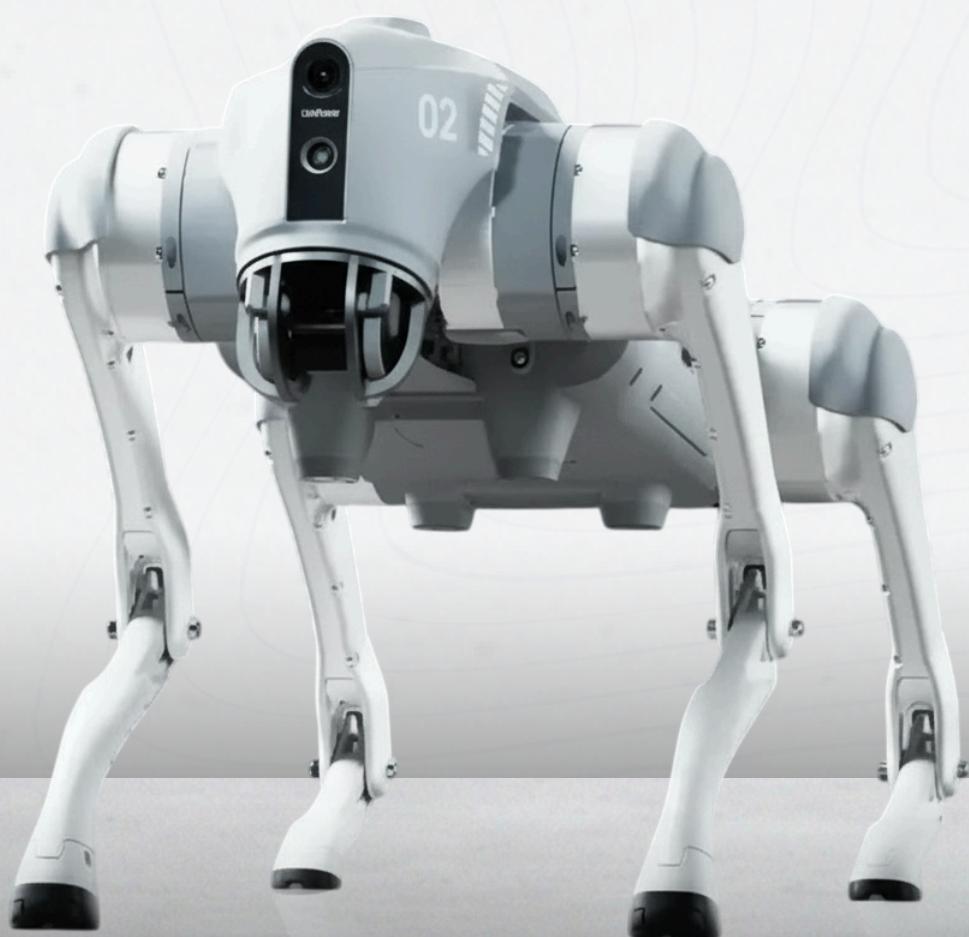




**ROBOMIRACLE**

# A New Era of Intelligent Beings

Endless Innovation



# **Standard    Ultra-wide    4D    LIDAR    Upgrades**

## **Recognition System by 200%**

Go2 features with Unitree's self-developed 4D LIDAR L1 with 360° x90° hemispherical ultra-wide recognition, super small blind spot and a minimum detection distance as low as 0.05m, which makes Go2 realize all-terrain recognizing.



**360°x90°**

Ultra-wide Scanning

**0.05m**

Blind Spot

(Radar accuracy decreases at close range detection)

**20m**

@90% Reflectivity

**21600 points/s**

Effective Frequency

**43200 points/s**

Frequency of Sample

**100Klux**

Anti-highlight Protection

# Your New Intelligent Robot

## Tracking Module

Remote-controlled or automatic tracking

## Front Camera

Image transmission Resolution 1280\*720  
FOV 120°  
Ultra wide angle lens deliver rich clarity

## Front Lamp

Brightly lights the way ahead

## Intercom Microphone

Effective communication with no scenario restrictions

## New Intelligence—Unitree Go2



## Powerful Core

### Intelligent Side-follow System 2.0

Motion controller High-

performance ARM processor

Improved AI algorithm

processor External ORIN

NX/NANO optimised obstacle avoidance strategy. It

can make the robot better traverse complex terrain.

[T] is open spaces with no shelter



## Motor performance enhanced by 30%

Go2 boasts a peak joint torque of 45N.m, a new internal trace connecting technique, and heat pipe coolers to decrease temperature effectively.

[T] The maximum torque is the value refers to the maximum torque of the largest joint motor, the actual maximum torque varies for the TA joint motor.



## Battery capacity and endurance upgraded by 150%

Go2 is equipped with a battery capacity increased to 8,000mAh, as a 19,000mAh ultra-long life battery is optional, and a voltage increased to 28.8V to improve motor efficiency, power and stability.



## Various actions and poses

Go2 boasts a variety of poses such as jumping, stretching, shaking hands, cheering, pouncing, and sitting down.

## 4D LiDAR L1

360°\*90° omnidirectional ultra-wide-angle scanning allows automatic avoidance with small blind spot and stable operation

## 12 Knee Joint Motors

Strong and powerful Beautiful and simple Brandy new visual experience

## Hardware Upgrade

- 3D LiDAR
- 4G ESIM Card
- WiFi6 with Dual-band
- Bluetooth 5.2
- for stable connection and remote control

## Smart Battery

Standard 8000m Ah battery  
Long-endurance 15000m Ah  
battery Protection from  
over-temp, overcharge and  
short-circuit

## Foot Force Sensor

Receiving foot perception in real time

## Speaker for Music Play

listen to music as your pleasure

# Your New Intelligent Robot



## Intelligent Side-follow System 2.0

By adopting the new wireless vector positioning and control technology, the positioning accuracy is technically upgraded by 50%, the remote control distance is over 30m[1], and combined with the optimised obstacle avoidance strategy, it can make the robot better traverse complex terrain.



## Motor performance enhanced by 30%

Go2 boasts a peak joint torque of 45N.m[2], a new internal trace connecting technique, and heat pipe coolers to decrease temperature effectively.



## Battery capacity and endurance upgraded by 150%

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## Various actions and poses

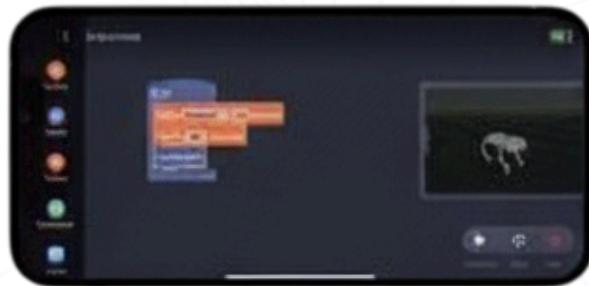
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# Intelligent Interaction



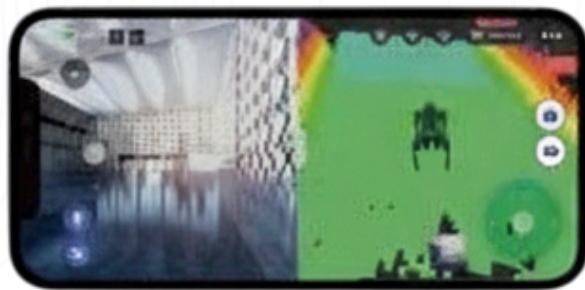
## Intelligent Avoidance Precise and Agile

Equipped with 4D LiDAR L1, the robodog detects, captures and draws the 3D real world for user.



## Graphical Programming Simple Yet Smarter

Optimise the graphical programming function, make it easy to complete the program design by simple drag, drop and connection. Make programming beginners easy to start and innovate.



## Hd Picture Quality Real-time and Stable

A new App realizes HD image transmission and real-time remote monitor. Built-in 4G and eSIM enables more stable connection and remote control.



## OTA Upgrades

Keep Improving and Evolving to be Smarter. With user authorisation, the robot automatically connects to a cloud-based OTA service to upgrade its own programs to continuously improve the user experience.

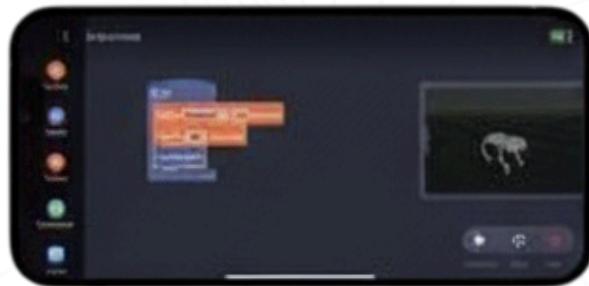


# Intelligent Interaction



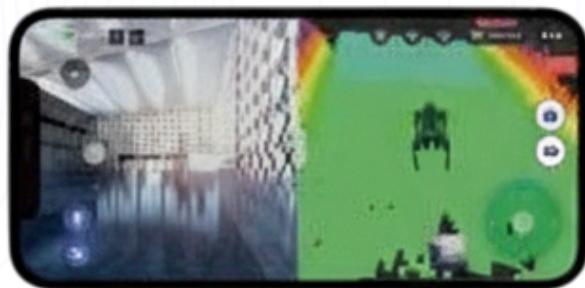
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# Parameters

	Type	AIR	PRO	EDU
Mechanical & Electron	Stand Height		70x31x40cm	
	Weight (With Battery)		About 15kg	
	Material	Aluminum alloy + High strength engineering plastic		
	Voltage		28V-33.8V	
	Pesting Capacity		About 3000W	
Performances	Payload	≈7kg (MAX - 10kg)	≈8kg (MAX - 10kg)	≈8kg (MAX - 13kg)
	Speed	0-2.5m/s	0-3.7m/s	0-3.7m/s (MAX-Sm/s)
	Max Climb Drop Height	About 15cm		About 15cm
	Max Climb Angle	30°		40°
	Brain Computing Power	○	8-core High-performance CPU	
Joint	Peak Joint Torque (N)	○		About 4SN.m
	Range of Motion	Body: -48-48°	Thigh: -200°-90°	Shank: -156°--48°
	Intre-Joint Circuit (knee)	●	●	●
	Junt Hand Free Control	●	●	●
Force Sensor	Super-wire-wire 2DLDAR	●	●	●
	Wrench Vector Partitioning	○	●	●
	HD Webcam Camera	●	●	●
	Foot end Force Sensor	○	○	●
Feature List	Basic Action	●	●	●
	Auto-scaling Strap	○	●	○
	OTA Upgrades	●	●	●
	RTT2.0 Image Transmission	●	●	●
	Graphical Programme	●	●	●
	Frost Lamp	●	●	●
	WiFi6 with Dual-band	●	●	●
	Bluetooth 3.2/4.2/5.1	●	●	●
	4G	○	●	●
	Voices Function (x)	○	●	●
	ISS 2.0	○	●	●
	Intelligent Detection and Avoidance	●	●	●
	Charging Pile Compatibility	○	○	●
	Secondary Development (x)	○	○	●
Accessories	Headset Controller	Optional		Standard
	Docking Station	○		Optional Nukde Jetcon Orin
	Smart Battery	Standard (8000mAh)		Long endurance (15000mAh)
	Endurance	About 1-2h		About 2-4h
	Charger	Standard (33.6V 3.5A)		Fast charge (930V 9A)

\* The above parts/robot may exist in different configurations and functions, please subject to actual situations.

If any slinger is the upper parts of the moduel, please refer to the actual product.

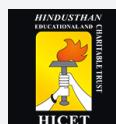
\* The product is a slow robot. When it falls, it will fall from a height without causing any damage to the robot in a safe manner.

[1] The maximum torque is the total torque of the largest joint motion, the total maximum torque value for the 10 joint motors.

[2] Maximum torque is the total torque of the largest joint motion, the total maximum torque value for the 10 joint motors.

# TRUSTED BY INNOVATORS ACROSS INDUSTRIES

## CLIENTS & COLLABORATIONS



READY TO BUILD THE FUTURE TOGETHER?



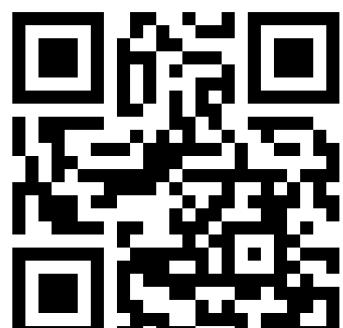
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SCAN HERE