DOGZILLA-Lite Introduction

Basic Introduction

DOGZILLA-Lite is a robot dog developed jointly by Luwu and Yahboom.

1. It is equipped with an AI module using Raspberry Pi technology, a 2.0-inch IPS color display screen and 4 programmable buttons, a 5-megapixel camera, a digital microphone and a cavity speaker.
2. AI terminals with human-computer interaction capabilities can realize functions such as image recognition, face detection, voice recognition, embodied intelligence, and target detection, helping robot enthusiasts learn AI knowledge.

Technical Parameters

Machine parameters

- Model:DOGZILLA-Lite
- Size: Default stance 250-145-170mm
- Weight: 575g
- Material: The body is 1mm aviation aluminum, and the legs are ABS engineering plastic.
- Screen: 2.0 inch 320*240 pixel full color IPS
- Camera: 5 megapixel OV5647
- Microphone: Dual MEMS digital microphones
- Speaker: 8 ohm 2 watt cavity
- Storage: Micro SD card 32G

Servo parameters:

- Model: Bus serial port servo

- Output torque: 2.3KG•CM;
- Speed (S/60°): 0.1 S/60°;
- Operating voltage range: 4.8V ~ 7.4V
- Working temperature: -20℃ ~ +60℃;
- Angle range: 0-300°;
- Weight: 13±1g.
- Motor Type: Iron Core

Power system parameters

- Charging port: Standard Type-C 5V 1A
- Battery: 18650 standard 2500 mAh 3C discharge

The functions of the dog head screen are as shown in the figure: the A and B keys are the left and right selection keys, the C key is the exit key, and the D key is the confirmation key.