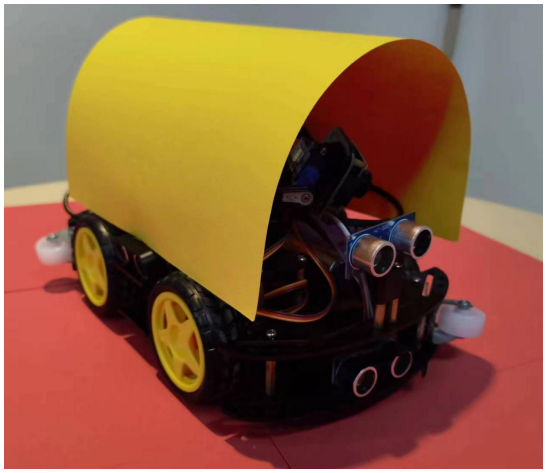
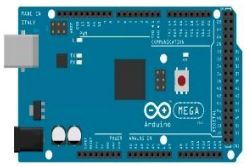
Hardware Specification

1. Appearance



2. Accessories

Arduino Mega 2560*1		The board to control the robot.
L298N motor diver*2		To drive four wheels
HC-SR04		To measure the distance around the robot.

Chassis with 4 motors*1		Carrier.
18560 battery*4		Energy source.
Bread board*4		As the hub of all VCCs and GEDs.
Dupont thread		To connect all the components.
HC-05 Bluetooth module*1		Transfer information

WIFI module*1		Transmit video signal
2 degrees of freedom gimbal and USB webcam*1		Take photos
power bank*1		Powering the wifi

3. General

3.1 Functional description.

The robot realizes obstacle avoidance and simple identification of treasure through four ultrasonic sensors and infrared sensors, transmits video information back and further processing through integrated cameras and Wi-Fi.

All logic is controlled through the Arduino MEGA 2560.

3.2 Instructions for use

1.connect Wi-Fi and Bluetooth.
2.put robot in the maze.
3.turn on the switch.
4.check the information and image received.