ESP32 with VL53L0X Realizes IoT Artificial Intelligence Vehicle

simple template program for the single measurement mode

```
JavaScript
#include "Adafruit VL53L0X.h"
//Create an instance of Adafruit_VL53L0X object
Adafruit_VL53L0X lox = Adafruit_VL53L0X();
void setup() {
 // put your setup code here, to run once:
  Serial.begin(115200);
 // Initialize laser ranging module
  if (!lox.begin()) {
    Serial.println(F("Failed to boot VL53L0X"));
   while(1);
 }
}
void loop() {
 // put your main code here, to run repeatedly:
// Create a measurement object instance
 VL53L0X_RangingMeasurementData_t measure;
```

If you're working on a project using VL53L0X or ESP32 development board, our website offers a wide range of VL53L0X and ESP32 development board products, and we can also produce customized VL53L0X and ESP32 development board based on your requirements.

OpenELAB is a one-stop development platform for global AloT electronics enthusiasts and an open-source community for electronic engineers. Besides providing developer modules online, our services also include customized manufacturing of various electronic parts such as micro switches and batteries, as well as plastic or metal parts through 3D printing, injection molding, CNC, laser cutting, etc.

In addition to VL53L0X and ESP32 development board, OpenELAB offers other electronic component sourcing services such as sensors, displays, IoT, and more. OpenELAB has a user-friendly website that makes it easy to find the components you need, and we offer fast shipping to customers around the world.

Moreover, OpenELAB offers **Design as a Service** (DaaS) for design optimization, **Manufacturing as a Service** (MaaS) for production manufacturing, **Supply Chain as a Service** (SaaS) for supply chain support, and **Quality as a Service** (QaaS) for quality control to AloT products transitioning into mass production, ensuring a smooth transition to the commercial production phase.

Most importantly, OpenELAB is dedicated to **building a global open-source community** for AloT electronic developers. Through the OpenELAB open community, developers in the AloT electronic revolution can **collaborate**, **empower each other**, **and create a culture of mutual respect and collaborative sharing**, **generating more innovative AloT intelligent hardware products** for the world.