测距模块代码

#include <Wire.h>

#include "VL53L1X.h"

VL53L1X Distance\_Sensor;

void setup()

{

Wire.begin();

Wire.setClock(400000); // use 400 kHz I2C

Serial.begin(115200);

// Serial.println("VL53L1X Distance Sensor tests in long distance mode(up to 4m).");

Distance\_Sensor.setTimeout(500);

if (!Distance\_Sensor.init())

{

Serial.println("Failed to initialize VL53L1X Distance\_Sensor!");

while (1);

}

Distance\_Sensor.setDistanceMode(VL53L1X::Long);

Distance\_Sensor.setMeasurementTimingBudget(50000);

// Start continuous readings at a rate of one measurement every 50 ms (the

// inter-measurement period). This period should be at least as long as the

// timing budget.

Distance\_Sensor.startContinuous(50);

}

void loop()

{

Distance\_Sensor.read();

//Serial.print("Distance(mm): ");

Serial.print(Distance\_Sensor.ranging\_data.range\_mm);

//Serial.print("(mm)");

Serial.println();

}