一、

int sinputPin=10;/\*Change according to the hardware configure\*/

int soutputPin=8;/\*Change according to the hardware configure\*/

Int buzzPin=7;/\*Change according to the hardware configure\*/

int wait;

void setup()

{

//set the IO working mode pinMode(sinputPin,INPUT);

PinMode(soutputPin,OUTPUT);

PinMode(buzzPin,OUTPUT);

//Setup the serial port Serial.begin(9600);

}

void loop()

{

//the next 5 lines are used to generate a pulse

//to trig the ultrasonic ranging unit

digitalWrite(soutputPin,LOW);

delay(100);

digitalWrite(soutputPin,HIGHT);

delayMicroseconds(15);

digitalWrite(soutputPin,LOW);

//get response from the ranging unit

unsigned int distance=pulseln(sinputPin,HIGHT);

Distance=distance/58;//in cm

if(distance<20)

{

tone(buzzPin,2000,100);

wait=200;

}

else if(distance>100)

{

tone(buzzPin,800,100);

wait=2000;

}

else

{

tone(buzzPin,1000,100);

wait=1000;

}

//display the results to the serial monitor

Serial.print(“[”);

Serial.print(millis());

Serial.print(“]”);

Serial.print(“”);

Serial.print(distance);

Serial.println(“cm”);

delay(wait);

}

二、



