

Product Name:DC 2.4V-5.5V US-100 Ultrasonic Sensor Distance Measuring Sensor



Description:

This US-100 ultrasonic module can realize 2 ~ 450cm of non-contact ranging function, has 2.4 ~ 5.5 V of wide voltage input range, static power consumption is less than 2mA. Their own temperature sensor will revise the ranging and has many communication modes like GPIO, serial ports etc, just like watchdog inside, very stable and reliable.

Working Principle:

- (1) the IO trigger ranging, to at least 10 us high level signal;
- (2) automatically send eight 40 KHZ of square wave, automatic testing if it has any signals return;
- (3) a signal to return to, through the IO output top level, the duration of the high level is from the launch ultrasonic returned to time. Test distance = (high level time * sound velocity (340 M/S)) / 2.

Specification:

Working Voltage	2.4V-5.5V
Static current	Less than 2mA
Sensor angle	Less than 15 degrees
Detection distance	2cm-450cm
Detecting precision	0.3cm+1%
Weight	10g
Wiring Way	VCC, trig (control terminals), echo (receiver), GND

Package Included:

1pcs US-100 Ultrasonic Sensor