

Waterproof Ultrasonic Sensor Module (JSN-SR04T)

Product features:

- Small size, convenient to use, it can accurately measure distance
- Low voltage, low power consumption, stable performance
- High measuring precision, strong anti-interference ability
- Integrated with wire enclosed water-resistant sensor, suitable for wet, harsh measurement occasions

Basic Working Principle:

- (1) Using IO port TRIG trigger measuring distance, high level signal for at least 10uS.
- (2) Module automatically sends eight 40kHz square wave, automatically detects whether there is return signal.
- (3) When there is return signal, through IO port ECHO output a high level, the duration of the high level is the time of ultrasonic wave from sending to returning. Test distance = (high level time * sound velocity (340m/S))/2;

Ultrasonic Timing Diagram

