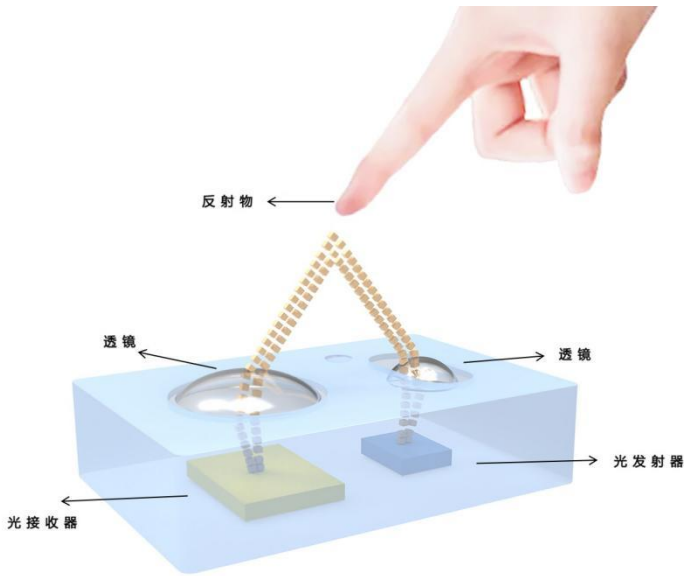


# 接近传感器 Proximity sensor

接近传感器是一种具有感知物体接近能力的器件，它利用位移传感器对接近的物体具有敏感特性来识别物体的接近，并输出相应开关信号，其发射器会发射经过脉冲信号调制的红外光信号，经过物体反射的光被接收器接收，通过信号处理得到与距离相关的信息。广泛应用于手机、平板、智能家居等领域。

Proximity sensor is a device with the ability to perceive the proximity of objects. It uses the displacement sensor to identify the proximity of objects with sensitive characteristics, and output the corresponding switch signal. The transmitter will emit infrared light signal modulated by pulse signal, and the light reflected by the object is received by the receiver, and information related to distance is obtained through signal processing. Widely used in mobile phones, tablets, smart home and other fields.



可选增益和分辨率

Optional gain and resolution

高精度的照度和光照比

High -precision illuminance and light ratio

灵敏度高

High sensitivity

检测范围宽

Width of the detection range

智能手机和移动设备

Smartphones and Mobile devices

智能家居和智能建筑

Smart Home and Smart Buildings

数码相机等消费产品

Consumer products such as digital

cameras

户外监控系统

特  
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Features

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Application

## 主要参数 Parameters

参数 Parameters	规格 Specification
尺寸	2 mm x 3.65 mm x 1 mm
电源电压	-0.3~2.2 V
工作电流 (不包含光源)	80 uA
环境光精度	16 bits
接近光精度	8 bits
接近光增益及积分时间	可编程
工作温度	-30~85 °C