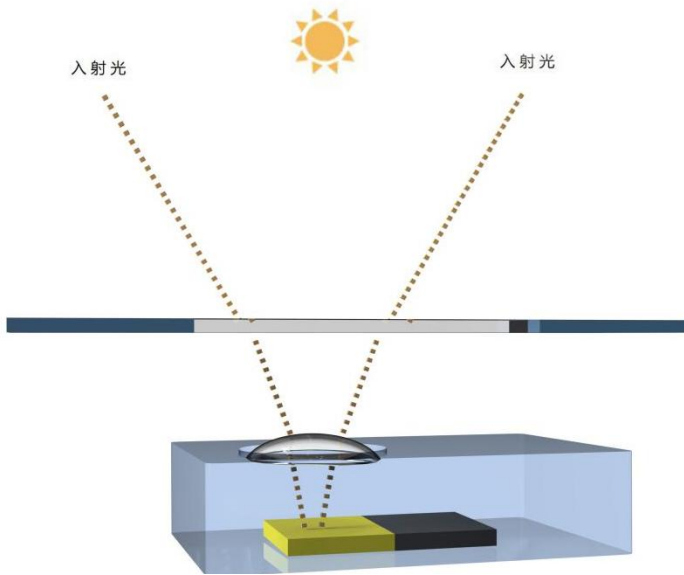


# TV-AL03

## 环境光传感器 Ambient light sensor

环境光传感器，可以感知周围光线情况，并将信号反馈至处理芯片实现自动调节显示器亮度的功能，降低产品的功耗。被广泛的运用于智能手机和移动设备、智能家居，车载娱乐系统和智能建筑。TV-AL03 主要应用于智能手表。

The ambient light sensor can sense the surrounding light condition and feedback the signal to the processing chip to automatically adjust the brightness of the display and reduce the power consumption of the product. It is widely used in smart phones and mobile devices, smart home, car entertainment systems and smart buildings. TV-AL03 is mainly used in smartwatches.



感应灵敏

High sensitivity

响应快速

Respond quickly

检测范围宽

Width of the detection range

低功耗

Low power consumption

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
工作电压	1.6 ~ 3.6V
引脚最大电流	10 mA
动态范围	23 bits
运行温度	-40 ~ 85 °C
峰值辐照度光谱响应率	550 nm
I <sup>2</sup> C 工作频率	0.4 MHz
封装尺寸	0.86 mm × 0.95 mm × 0.23 mm