

# LC260

## Infrared human body temperature measurement module

Multi-person temperature screening, safe and efficient



### Introduction

LC260 is a high-end infrared human body temperature module, combined with high-quality infrared imaging and accurate temperature measurement, perfect for the integrated development of panel machines and intelligent safeguard systems. This device utilizes a wafer-level infrared detector with a resolution of 256X192, independently developed by Guide. The farthest measurement distance of LC260 is up to 2.5 meters. It can simultaneously make non-touch screening for the crowds to avoid superinfection caused by close contact.



### Features and Benefits

- IR resolution 256×192  
Guide's self-developed infrared detector, measuring temperature in the full image, superb imaging performance
- Supporting multi-person temperature screening within 2.5 meters ranges  
Greater temperature measuring distance, enabling many people to measure temperature together, wider applicability
- Double hole location, convenient to install  
Mounting holes on both left and right side, easy to install
- USB Type-C interface  
Adopt USB Type-C male connector for external connection, strong versatility and easy integration
- Provide SDK for full platforms  
Support Android / Linux / Windows platforms, wide applicability

### Application

- As an integrated component of panel machines and intelligent safeguard systems, it offers a human body temperature screening, applicable to shopping malls, supermarkets, hotels, restaurants, hospitals, banks, communities, office buildings, parks and other places with dense traffic.

## Specifications

Model	LC260
<b>Imaging and optics</b>	
Detector type	WLP VOx
Infrared resolution	256 × 192
Pixel Pitch	12 μm
Wavelength range	8 to 14 μm
Field angle	56°±1°
NETD	≤50 mK
Infrared frame rate	25 Hz
Focusing mode	Focus-free
<b>Measurement and analysis</b>	
Measurement range	20 °C to 50 °C (accurate temperature measuring range: 28-40°C)
Measurement accuracy	± 0.5 °C
<b>Data format and interface</b>	
External interface	USB Type-C female
Data format	USB 2.0
<b>Power supply and power consumption</b>	
Voltage	USB power supply (voltage range: 4.5 to 5.5V)
Typical power consumption	≤700 mW
<b>Software kit</b>	
SDK	Android/ Linux/ Windows
DEMO software	PC/Android
<b>Environmental parameters</b>	
Working temperature	0°C to 40°C
Storage temperature	-40°C to 70°C
Certification	RoHS
<b>Physical parameters</b>	
Weight	≤43 g
Size (L × W × H)	71mm × 30mm × 16mm

