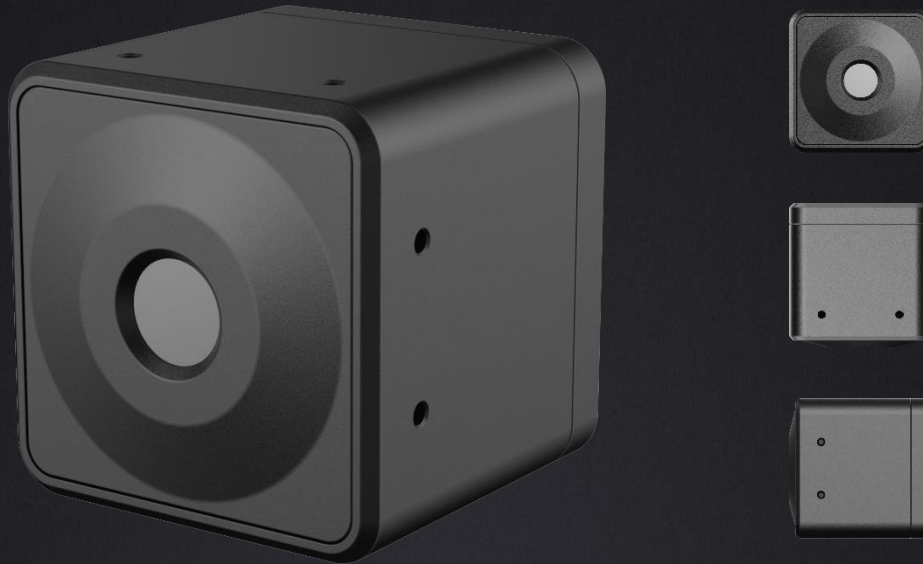


LE230 Infrared Industrial Temperature Measurement Module

99% completed, help you develop easily



Introduction

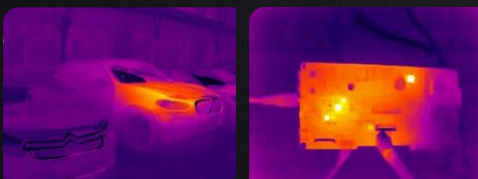
LE230, as a new infrared temperature module, is designed specifically for industrial terminal equipment. It has an built-in 256x192 WLP infrared detector independently developed by Guide, enabling devices to capture temperature easily. It outputs temperature and images directly and supports platforms like Android and Linux with a USB protocol, helping you develop easily.

Application

As an integrated component of industrial terminal equipment and smart security products, LE230 works for electronic device detection, mechanical and electrical maintenance and building HVAC detection, smart office, kitchen and senior care, etc.

Features and Benefits

- Interface
Optional interfaces with a USB protocol
- Temperature/Image
Output temperature and images directly for less workload of Infrared development
- Installation
Mounting holes on every side for easy installation
- Size
The size can be used for all mini infrared modules of Guide
- Platform
Support platforms like Linux and Android, etc.
- Demo
Code demos for all supported platforms for easy development



Specifications

Model	LE230
Imaging and optics	
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
Measurement and analysis	
Measurement range	-20°C to 150°C, 100°C to 550°C (automatic switching)
Measurement accuracy	±2°C or ±2%, whichever is greater
Data format and interface	
External interface	USB Type-C female (Other options:USB type-C male or 4 PIN)
Data format	USB 2.0
Power supply and power consumption	
Voltage	4.5 to 5.5V
Typical power consumption	≤650 mW
Software kit	
SDK	Android/ Linux/ Windows
DEMO software	PC/Android
Environmental parameters	
Working temperature	-20°C to 60°C
Storage temperature	-40°C to 85°C
Certification	RoHS
Physical parameters	
Weight	≤50 g
Size (L × W × H)	33mm × 33mm × 33.4mm

