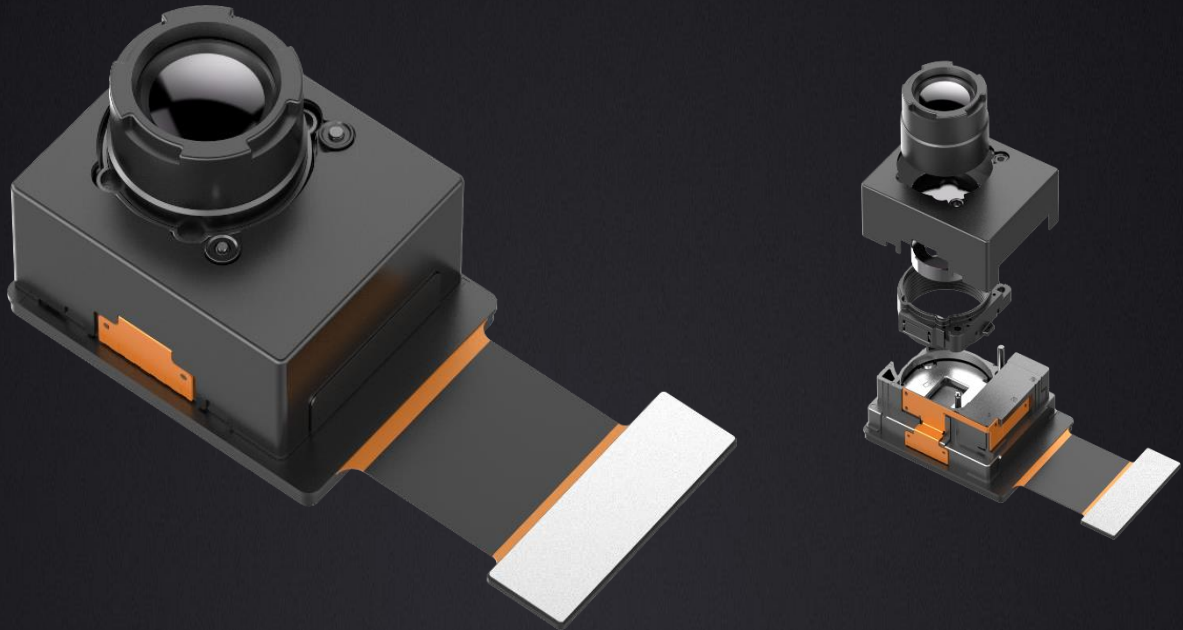


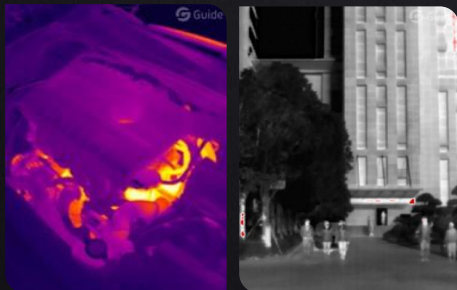
TIMO256AF

The World's first autofocus mini infrared module



Introduction

TIMO256AF as the world's first Autofocus Mini Infrared Module ,Adopts 256x192 WLP infrared detector, which provides advantages of autofocus, lightweight, lower power consumption, low cost, easy to use, integrated shutter motor, etc. Equipped with integrated general control interface and intelligent power management, it is convenient for customers to integrate infrared temperature measurement products, and it has a wide range of applications.



Features and Benefits

- World's first
Integrate the industry's first High accuracy PM Motor and the industry's thinnest solenoid valve shutter
- Focus in one second
Can realize far and near focus adjustment and auto focus temperature measurement function
- Multiple models are available
High temperature measurement accuracy, temperature measurement range can be customized according to customer needs
- ITA SDK
Special software development kit for infrared module, supports cross-platform and full functions

Application

- Industrial Temperature Measurement
- Night Vision
- Smart security
- IoT

Specifications

Model	TIMO256AF
Imaging and optics	
Detector type	WLP VOx
Infrared resolution	256 × 192
Pixel Pitch	12 μm
Wavelength range	8 to 14 μm
Field angle	25°±1°/56°±1°
NETD	≤50 mK
Infrared frame rate	25 Hz
Focusing mode	Electric
Measurement and analysis	
Measurement range	Industrial measurement: -20°C to 150°C, 100°C to 550°C (automatic switching) ; Human body : 20 °C to 50 °C (accurate temperature measuring range: 28-40°C)
Measurement accuracy	Industrial measurement: ±2°C or ±2%, whichever is greater; Human body:±0.5°C
Data format and interface	
External interface	50 PIN
Power supply and power consumption	
Typical power consumption	≤85 mW
Software kit	
SDK	Android/ Linux/ Windows
Environmental parameters	
Storage temperature	-20°C to 70°C
Certification	RoHS
Physical parameters	
Weight	≤7 g
Size (L × W × H)	25°: 20.0mm × 15.5mm × 15mm; 56°: 20.0mm × 15.5mm × 9.7mm

