

Night Vision



9g

Smaller Than Small

9mm

Extremely Slim

VOx Detector

256×192



Self-developed ASIC Chip



Fully Metal Shell

Application Scenarios

Widely applicable to scenarios such as safety at night, hidden camera detection in hotel rooms, appliances and electronics, and building HVAC.

Night Vision Go is an ultra-small thermal camera with 12 μm high-performance infrared detector and the self-developed ASIC chip. It has advantages of compact size, light weight, low power consumption, and high performance. You can connect it directly to the smartphone for plug-and-play accurate temperature measurement.



Specifications

Detector	
Resolution	256×192
Pixel Pitch	12 μm
NETD	$\leq 50\text{mK}@25^{\circ}\text{C}, F\#1.0$
Operating Band	8~14 μm
Performance	
Frame Rate	25Hz
Operating Temperature	-10 $^{\circ}\text{C}$ ~55 $^{\circ}\text{C}$
Storage Temp	-40 $^{\circ}\text{C}$ ~85 $^{\circ}\text{C}$
Power Consumption	350mW
Processor	Self-developed ASIC chip
Lens	
Focal Length	3.2mm
Aperture	F1.1
FOV	56.0 $^{\circ}$ ×42.2 $^{\circ}$
Focusing Mode	Athermalized fix-focus lens
Temperature Measurement	
Measurement Range	-20 $^{\circ}\text{C}$ ~170 $^{\circ}\text{C}$
Measuring Error	$\pm 2^{\circ}\text{C}$ ($\pm 2\%$ of reading, the greater shall prevail)
Temperature Correction	Emissivity, distance, environmental temperature
Shell	
Size	27×18×9.8(mm)
Color	Silver
Weight	9g
Interface	USB type C
Software Function	
Palette	White/black-hot + 6 pseudo colors
Measurement Mode	Point/line/area temperature measurement
Information Sharing	Instant picture sharing
Data Analysis	Secondary temperature analysis and processing of images
Imaging Tool	Android 6.0 and above
Software Update	Online update

The information is for illustrative purposes only. The pictures and technical specifications are subject to changes without notice.

Company Profile

InfiRay®, leading manufacturer of uncooled IRFPA

On April 28th, 2021, InfiRay released world's 1st 8 μm infrared detector. InfiRay's main products include infrared detectors, thermal imaging modules, night vision thermal cameras, and thermographic cameras for temperature measurement.



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