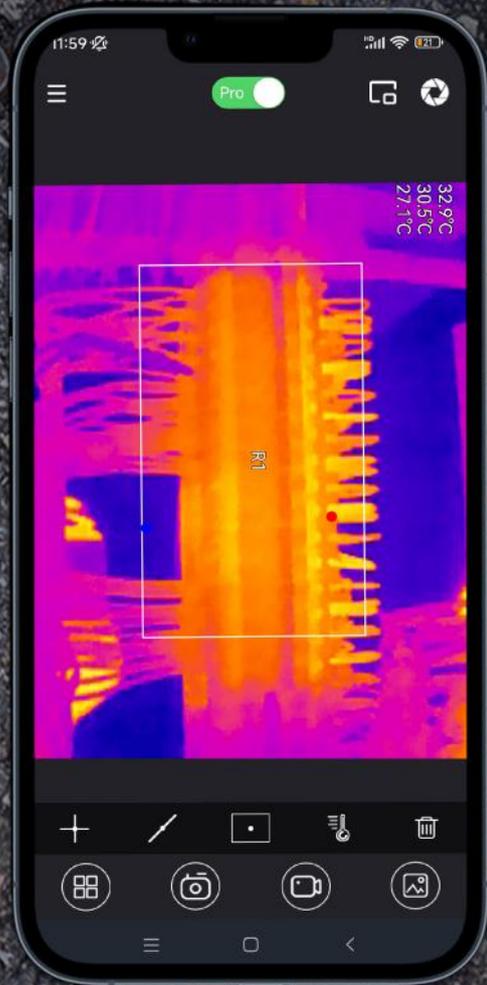




9g, World's Smallest Thermal Camera

P2 Pro

- 256×192 InfiRay High performance sensors
- 25Hz Motion capture
- Magnetic Macro Lens
Observe 0201 resistor easily
InfiRay® ASIC Image Processor
- -20~550°C ±2°C
Measurement range and accuracy



Application Scenarios

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



Specifications

Detector	P2 Pro	P2
Resolution	256×192	256×192
Pixel Size	12μm	12μm
NETD	≤50mK@25°C,F#1.0	≤50mK@25°C,F#1.0
Operating Band	8~14μm	8~14μm
Performance		
Frame Rate	25Hz	25Hz
Operating Temperature	-10°C~55°C	-10°C~55°C
Storage Temperature	-40°C~85°C	-40°C~85°C
Power Consumption	350mW	350mW
Processor	Self-developed ASIC chip	Self-developed ASIC chip
Lens		
Focal length	3.2mm	3.2mm
Aperture	F1.1	F1.1
FOV	56.0°x42.2°	56.0°x42.2°
Focusing Mode	Athermalized Prime Lens	Athermalized Prime Lens
Macro Lens	Adaptable	Not Adaptable
Temperature Measurement		
Measurement Range	-20°C~550°C	-20°C~170°C
Measuring Error	±2°C (±2% of reading, the greater shall prevail)	±2°C (±2% of reading, the greater shall prevail)
Temperature Correction	Emissivity, distance, environmental temperature	Emissivity, distance, environmental temperature
Shell		
Size	27×18×9.8(mm)	27×18×9.8(mm)
Color	Silver	Silver
Weight	9g	9g
Interface	USB type C	USB type C
Software Function		
Palette	White/black-hot + 6 palettes	White/black-hot + 6 palettes
Measurement Mode	Point/line/plane temperature measurement	Point/line/plane temperature measurement
Information Sharing	Instant picture sharing	Instant picture sharing
Data analysis	Secondary temperature analysis and processing of images	Secondary temperature analysis and processing of images
Imaging Tool	Android 6.0 and above	Android 6.0 and above
Software Update	Online update	Online update

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

Company Profile

IRay Technology Co., Ltd. (IRay) focuses on developing infrared thermal imaging technologies and manufacturing relevant products, with completely independent intellectual property rights. It is committed to providing global customers with professional and competitive infrared thermal imaging products and related industry solutions. The main products include infrared focal plane detector chips, thermal imaging modules, and terminal application products.

With R&D personnel accounting for 48% of all employees, 787 intellectual property projects of IRay have been authorized and accepted: 629 patented technologies authorized and accepted in China (including those for integrated circuit chips, MEMS sensors design and manufacture, Matrix III image algorithms and intelligent precise temperature measurement algorithms, etc.); 18 patented technologies authorized and accepted overseas; 101 software copyrights; and 39 integrated circuit layout designs.

IRay products have been applied in various fields, including night vision observation, epidemic prevention and control, intelligent industry, UAV loading, automatic driving, security and fire control, Internet of Things, AI, and machine vision.

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