



## G600

# Portable Gas Leakage Uncooled Thermal Camera

G600 features InfiRay® self-developed uncooled VOx detector with high spatial resolution and high sensitivity to realize the visual observation of gas and meet the temperature measurement demand of industrial plants. G600 can detect CH<sub>4</sub>, SF<sub>6</sub>, NH<sub>3</sub> and other gases. It is ideal for petroleum, chemical, natural gas and electric power industries to routinely maintain equipment, prevent accidents and protect the atmospheric environment.



### Gas Detection + Temp Measurement

- Meet various application requirements of industries



### Improved Gas Detection Capability

- Adjustable detection levels for better effect



### Points/Lines/ Areas Measurement

- Select targets as needed



### Multiple Image Modes

- Reveal more details via detail enhancement, infrared, visible light, PIP and fusion



### 3.5-Inch LCD Touch Screen

- 640 × 512 high-resolution infrared image enables more to be seen



### Laser Pointer, Fast Locating

- Built-in laser pointer allows quick location of targets

## Specifications

Model	G600C	G600F
Spectrum Range	7.0~8.5μm	Central wavelength 10.55μm
Detector Type	Uncooled VOx infrared detector	
Detector Resolution	640×512	
Pixel Pitch	12μm	
Focal Length	9.1mm/19mm	
FOV	48°×38°	
Focusing Mode	Manual focusing	
Measurement Range	-20°C~+550°C	
Measurement Accuracy	±2°C or ±2% of the reading (The greater shall prevail)	
Measurement Mode	Center/hot and cold spot tracing and temperature display	
Points, Lines, and Areas Measurement	Movable point/line/area temperature measurement; displaying hot spot tracing for line/area measurement; displaying the highest temperature value for line measurement, and displaying the highest, lowest and average values for area measurement	
Palettes	10	
Temperature Alarm	Full frame highest/lowest temperature alarm of exceeding thresholds	
Temperature Range of Color Code	Supported	
Laser Pointer	Supported	
Visible Light Camera	5 megapixels	
Digital Zoom	Max. 8×	
Photo/Video Storage	IR .jpg picture + visible light .jpg picture with temperature data; video without data	
Annotation Function	Voice annotation via microphone	
Display	3.5-inch touch screen (480×640)	
Image Naming	Automatic, manual, naming by scanning QR code	
Memory Card	32 GB Micro SD card	
Cloud Function	Upload of data to cloud storage	
Battery	Rechargeable and dismountable lithium-ion battery	
Power Interface	USB TypeC	
Connection Type	USB, SD card, Wi-Fi	
Power Management	Automatic shutdown: 5 min, 10 min, 20 min or disabled	
Operating Temperature	-10°C~+50°C	
Storage Temperature	-20°C~+60°C	
Relative Humidity	10%~95%, non-condensing	
Dimensions (H×W×D)	256.4mm×105.1mm×105.3mm	
Weight	About 670g	
Installation Way	Tripod supported	
Gases Detectable	Methane, nitrous oxide, sulfur dioxide, phenol, ethyl acrylate, 2-Ethylhexyl acrylate, R13, R13B1, R123, R125, R134A, R417A, R422A, R508A	Sulfur hexafluoride, ammonia, ethylene, ethylene ether, vinyl chloride, trichloroethylene, methyl vinyl ketone, propylene, acrolein, acrylonitrile, ethyl cyanoacrylate, allyl fluoride, allyl chloride, allyl bromide, furan

■ The information is for illustration only. Images and technical specifications contained herein are subject to changes without notice. Note: The actual weight may vary depending on the configuration, manufacturing process, and measurement method.

## Application Scenarios



Petrochemical



Gas Station



Natural Gas Station



Electricity

## Company Profile

IRay Technology Co., Ltd. concentrates on developing infrared thermal imaging technologies and manufacturing relevant products, with completely independent intellectual property rights. IRay is committed to providing global customers with professional and competitive infrared thermal imaging products and solutions. The main products include IRFPA detectors, thermal imaging modules, and terminal products.

With R&D personnel accounts for 48% of all employees, 745 intellectual property projects in terms of IRay have been authorized and accepted: 592 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.); 16 patented technologies authorized and accepted overseas; 98 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, outdoor observation, automatic driving, Internet of Things, AI, and machine vision.

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