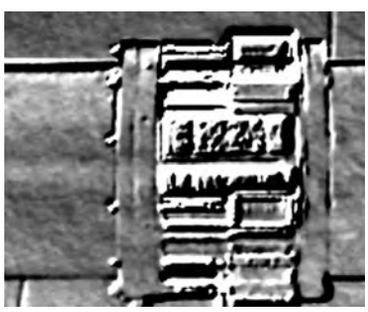
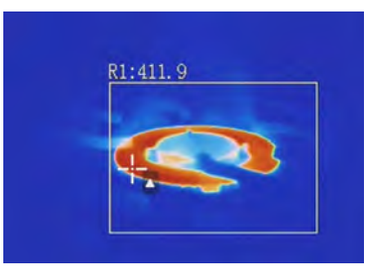
GD88

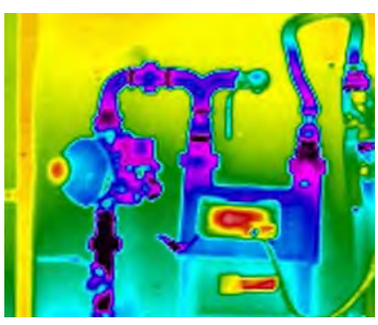
Handheld Gas Detection Cmaera

- Onboard image enhancement ensures crisp and vibrant thermal images
- Capable of both gas detection and radiometric temperature measurement for thermal inspections
- Suitable for a wide range of electric power utilities, oil and natural gas operations, chemical, manufacturing facilities, food and agriculture industry

THERMOGRAPHY CAMERAS







SPECIFICATION

Model	GD88
Detector Type	Uncooled Microbolometer
Resolution	640×512
Super Resolution	Up to 1280X1024 pixels
Spectral Range	7μm ~ 14 μm
Wavelength	50Hz
NETD	≤23mK@30°C
FOV	20.8° × 16.6°
IFOV	0.6mrad
Digital Zoom	1x-16x continuous zoom
Focus	Manual
Detectable Gases	Methane, Freon, SF6, Ammonia, Propene(HFO-1234yf), Ethylene, Nitric Oxide, Sulfur Dioxide, Phenol, etc.
Display	
Screen	4.3", 800*480 Touch screen
Digital Camera	5-megapixel, FOV: 24°x 18° , with built-in LED lights
Image Mode	Infrared, Visible light image, PNP, Multi-band fusion image MFI, Thermal superposition image
Palette	12 Palettes (iron red, rainbow, white hot, black hot, etc)
Image Adjustment	Manual/Automatic
Measurement & Analysis	
Temperature Measurement Range	-20°C~650°C(expandable to 1500°C)
Temperature Accuracy	Temperature measurement range from 0°C to 100°C, is + 1°C; Other temperature measurement ranges is ± 2°C or ± 2%, take the maximum value
Temperature Measurement Mode	Real-time 20 movable points, lines, area temperature measurement (maximum temperature, lowest temperature capture, average temperature measurement), full-screen maximum temperature and minimum temperature capture, isothermal analysis, temperature difference measurement, temperature alarm (sound,colour)
Emissivity	Custom input and material table selection,range 0.01-1.0
Measurement Corrections	Emission rate, ambient temperature, reflection temperature, relative humidity, temperature measurement distance,and infrared window compensation
Rangefinder	Distance shown on Screen
Image Storage and Transfer	
Image Storage	TF card,standard 64GB
Image Storage Mode	Infrared images and Digital Camera images are saved simultaneously
IR Image /Video Format	JPEG format, Infrared raw measurement data images; Radiation infrared video recording and non-radiation infrared video recording in H.264 format
Digital Camera Image Format	JPEG format, H.264 format for Digital Camera video recording
Auto Capture on Camera	Yes
Voice	Supports 180 seconds of voice annotation, stored together with the image
Text Annotation	Preset text comments with editable text
Transfer Interfaces	Type C, HDMI, TF card, Bluetooth, and WiFi
Multiple Function button	2 Programable buttons
Power supply	
Battery Type	Replaceable & Rechargeable Lithium Ion
Battery Hours	Approximately 5 hours Continuous working Time (25°C ambient temperature)
Environmental	
Working Temperature	-40°C~50°C
Storage Temperature	-40°C~70°C
Vibration&Shock	2G-IEC 60068-2-6:1995/25G-IEC 60068-2-27:2008
ATEX Proof	Ex ic nc IIC T4 Gc
Enclosure Rating	IP54
Physical Specification	
Weight	≤1.1kg(With a standard lens and batteries)
Dimensions	308×124×197mm
Accessories	IR camera, IR filter, rechargeable lithium battery * 2, Charging Dock, power adapter, USB cable, HDMI cable, TF card, Card reader, Packing list, Calibration Certificate, User manual, Warranty card, Carry Case