

GD SERIES Gas Leak Detection Camera

- 320×256 resolution IR detector
- GD10 ATEX certified for use in harsh environments.
- GD20 is certified as intrinsically safe and inspectors can quickly find leaks of tiny concentrations of Sulphur Hexafluoride and other gases and can pinpoint the source of leaks or emissions.
- This portable thermal imager can detect leaks from a safe distance, ensuring operator safety and allow engineers to fix the source of the issue.



SPECIFICATION		
Models	GD10	GD20
Image Performance		
Detector Type	Cooled Detector	
Resolution	320×256@30μm	
Wavelength	3.2~3.5μm	10.3~10.7μm
Image Frame Rate	60Hz	
Gas Detection Sensitivity	0.001ml/s	
NETD	15mK@30° C	
FOV	18° × 14°	
Optional Lens	15.19° x 12.18 / 9.37° x 7.32°	
IFOV	1mrad	
Digital Zoom	1x-8x continuous zoom	
Focus	Manual /electric /automatic	
Display		
Screen	5 inch 800*480 LCD	
Digital Camera	5 mega pixel, with built-in LED lights	
Viewfinder (OLED)	800*600	
Image Mode	Infrared, high sensitivity, visible light camera	
Palette	12 Palettes (iron red, rainbow, white hot, black hot, etc)	
Image Adjustment	Panual/Automatic	
Laser Range Finder	Yes	
Measurement & Analysis		
Temperature Measurement Range	-20° C~350° C	
Temperature Accuracy	±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, 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, atmospheric transmittance correction	
Image Storage and Transfer		
Image Storage	SD card, standard 64GB	
IR Image Format	JPEG format, infrared raw measurement data images	
Image Browsing	Thumbnail View	
Voice	Supports 60 seconds of voice annotation, stored together with the image	
GPS	Automatic GPS image tagging	
Video Recording	Radio metric video recording, H.264 format for Digital Camera video recording	
Transfer Interfaces	Type-C, SD card, HDMI and WiFi	

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GAS DETECTION



Detectable Gases	
GD10	GD20
Methane, Ethane, Propane, Butane, Ethylene, Propylene, Benzene, Ethanol, Ethylbenzene, Heptane, Hexane, Isoprene, Methanol, MEK, MIBK, Octane, Pentane, 1-Pentene, Toluene, Xylene,	Sulfur hexafluoride, ammonia, acetyl chloride, acetic acid, allyl bromide, allyl fluoride, allyl chloride, methane bromide, chlorine dioxide, ethyl cyanoacrylate, ethylene,
Power Supply	
Battery Type	Replaceable &, Rechargeable Lithium Ion
Battery Hours	Approximately 2.5 hours Continuous working Time (25° C ambient temperature)
Battery Charger	12V charging Dock
Start up Time	6 minutes
Environmental	
Working Temperature	-15° C ~ 50° C
Storage Temperature	-40° C ~ 70° C
Humidity (Operating & Storage)	IEC 60068-2-30 /24 hours, 95% relative humidity, +25° C to + 40° C/ 2 cycles
Shock	25g(IEC 60068-2-29)
Enclosure Rating	Ex ic nc op II C T4 Gc
Physical Specification	
Weight	≤2.8kg (With a standard lens and batteries)
Audio Interface	349×195×170mm
Accessories	IR thermal imager, rechargeable lithium battery * 2, Charging Dock, power adapter, Type-C to USB cable, HDMI cable, SD card, Card reader, Packing list, Calibration Certificate, User manual, Warranty card, Carry Case