

GD20

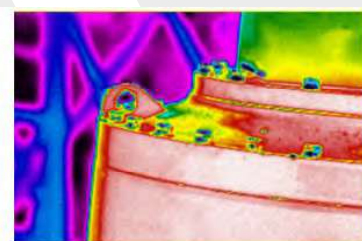
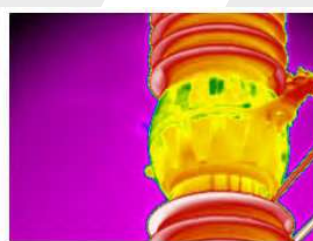
SF6 Optical Gas Imaging

- 320x256 Resolution Cooled IR detector
- For detection of SF6- gas for insulate high voltage circuit breakers
- SF6 is a potent green house gas, by detecting and repairing SF6 leaks, avoid costly damage to circuit breakers and protecting the environment.
- Suitable for Utilities, Ammonia plants, Industrial refrigeration systems, Chemical plants



SPECIFICATION

Model	GD20
Imaging & Optical	
Detector Type	FPA, Cooled InSb
Resolution	320×256@30μm
Spectral Range	10.3μm~ 10.7 μm
Start Up Time	≤ 6 minutes
Gas Detection Sensitivity	0.001ml/s
Image Frequency	50Hz
NETD	≤15mk@30°C
FOV	18° × 14°
Minimum Focus Distance	30cm
Optional Lens	15.19°x 12.18 / 9.37°x 7.32°
IFOV	1 mrad
Digital Zoom	1x-8x continuous zoom
Focus	Manual/Electric/Automatic
Display	5 inch Touch display screen, resolution 800*480
Digital Camera	5 Megapixel with built-in LED lights
View Finder	Built-in 0.5 inch color OLED display(800*600)
Image Mode	Infrared mode, High sensitivity mode, Visible camera
Palette	12 Palettes (Iron, White hot, Black hot, Rainbow, Arctic, Lava, etc.)
Image Adjustment	Manual/Automatic
Laser Pointer	Yes



GD20 SF6 Optical Gas Imaging



OPTICAL GAS IMAGING

SPECIFICATION

Measurement & Analysis

Temperature Measurement Range	-20°C~350°C
Temperature Accuracy	± 2°C or ± 2%, take the maximum value
Detectable Gases	Sulfur hexafluoride, ammonia, acetyl chloride, acetic acid, allyl bromide, allyl fluoride, allyl chloride, methane bromide, chlorine dioxide, ethyl cyanoacrylate, ethylene
Temperature Measurement Mode	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, color)
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

Image Storage and Transfer

Image Storage	TF card, standard 64GB
IR Image Format	JPEG Format with infrared raw measurement data images
Image Browsing	Thumbnail View
Video Recording	Radiation infrared video recording and non-radiation infrared video recording in H.264 format
Digital Camera Image Format	JPEG format
Voice	Supports 60 seconds of voice annotation, stored together with the image
Transfer Interfaces	USB Type C, TF card, WiFi, HDMI Video out put
Software	IR Analyser for PC-full analysis and reporting software

Power supply

Battery Type	Replaceable & Rechargeable Lithium Ion (8.2V 7000mAh 58.8Wh)
DC Operation	12V DC power supply(100V to 240V, 50/60Hz)
Battery Hours	Approximately 2.5 hours Continuous working Time (25°C ambient temperature)
Battery Charger	12V Charging dock for 2 battery charging, 2.5 hours charging time
Battery Management	Automatic shut-down

Environmental

Working Temperature	-20°C~50°C
Storage Temperature	-40°C~70°C
Vibration	2G/IEC 60068-2-6:1995
Shock	25G/IEC 60068-2-27:2008
Enclosure Rating	IP54

Physical Specification

Weight	≤2.8kg(With standard lens and battery)
Dimensions	349×195×170mm
Package Includes	IR Camera, rechargeable lithium battery * 2, Charging dock, Power adapter, USB cable, TF card, Card reader, Packing list, Calibration certificate, User manual, 2 Years warranty card, Carry case