



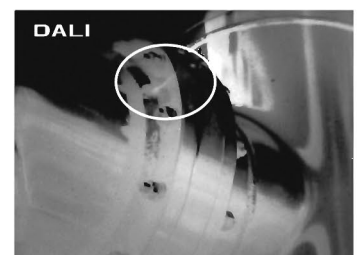
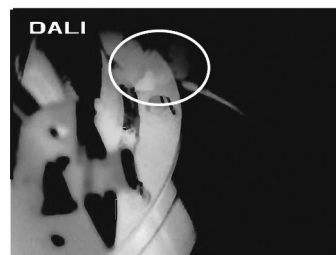
Gas detection thermal imaging camera



GF706

The DALI GF706 visualizes and pinpoints gas leaks of SF₆, without the need to de-energize high-voltage equipment or shut down the operation. The portable camera also greatly improves operator safety, by detecting emissions at a safe distance, and helps to protect the environment by tracing leaks of environmentally harmful gases.

SF₆ is used in the electric power industry as an insulator and quenching medium for gas-insulated substations and circuit breakers.



GF706 Infrared gas detection thermal imaging camera



GF706 Unique Feature

- ◆ Adapt passive thermal imaging technology, could accurately find the leakage point at long distance without power supply shutdown.
- ◆ Using Cooled QWIP detector, enjoy superior image quality and accurate temperature measurement.
- ◆ 1ions, have voice and video recording function.
- ◆ HD OLED view finder, combined with 5" touch rotating screen, suitable for many on-site using.
- ◆ No specific background and auxiliary light needed, suitable for many on-site checking.
- ◆ Small size, light weight and easy operation, suitable for single person on-site using.

Parameter

Item		Configuration	
Detector	Detector Type	Cooled QWIP detector	
	Array size	320×256	
Image Characteristics	Field of View/min focus distance	14.5°×10.8°/0.5m	24°×18°/0.3m
	Spatial resolution	0.79mrad	1.13mrad
	NETD	≤0.025°C@30°C	
	Frame rate	60Hz	
	Focus	Auto/manual/motorize	
	Zoom	1~4X electronic zoom	
	Spectral range	9.8-11.2um, peak 10.55um	
	CCD	1.3 million CMOS	
Image display	View finder	HD 0.6" color OLED, with zoom	
	LCD	HD 5" color digital touch screen, 800×600	
Measurement	Temp range	-40°C- +500°C	
	Accuracy	±2°C or ±2% of reading, which ever is greater	
	Measurement correction	Auto/manual	
	Mode	Up to 10 movable spots. Up to 5 movable areas(maximum, minimum and average temperatures). Up to 2 movable lines. Line profile. Isotherms. Temperature difference. Alarm(voice, color)	
	Image control	Color palette	11 palettes changeable(Iron, Rainbow, Grey and Grey inverted, etc)
		Image adjustment	Auto/manual adjustment of contrast and brightness
	Setup	Date/time, temp unit °C/°F/K, language	
	Emissivity correction	Variable from 0.01 to 1.0 or select from listing in pre-defined material list	
	Background Temp adjustment	Auto, according to the background tempt	
	Atmospheric transmission correction	Automatic correction according to user input object distance, relative humidity and ambient tempt	
Image Save	Storage Card	8G SD card, storage>6000	
	Storage mode	Manual/automatic single-frame image storage, continuous visible, infrared video recording	
	IR image	Single frame	JPEG, 14 bit thermal image with measurement data
		Video	MPEG-4 or 14 bit thermal image with measurement data
	Visual Image	Single frame	JPEG
		video	MPEG-4
	Voice annotation	40s, saved together with the image	
Laser pointer	Image improvement	averaging (S2, S4, S8, S16), spatial filter	
	Power supply	Second level, 1mW/635nm(red)	
Power supply	Battery type	Li-Ion, rechargeable	
	Battery operating time	3 hours continuous operation	
	Charging system	Intelligent charge or power supply adaptor online charge	
Power System	Power saving	Yes	
	External power	10-15V DC	
Environment	Working Temp	-15°C-+50°C	
	Humidity	≤90% (non-condensing)	
	Encapsulation	IP54	
Physical feature	Weight	3Kg	
	Dimension	335mm×160mm×172mm	
Interface	External DC input	Yes	
	Audio output	Yes	
	Video output	HDMI	
	USB2.0	Image, measurement date and voice transfer to PC	

▲ The information contained in this document is subject to change without notice



Hand shank and view finder could rotate simultaneously, easy for observation.

Could detect the following gas

sulfur hexafluoride, ammonia, cyanoacrylate, chlorine dioxide, acetic acid, FREON-12, ethylene, MEK