

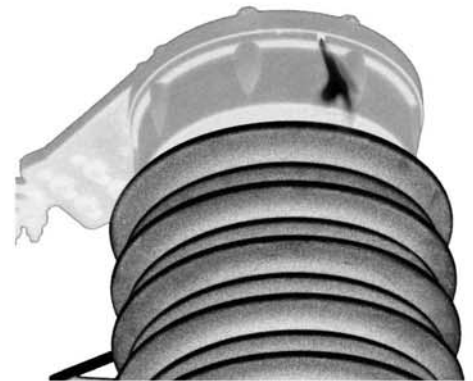


## Gas Infrared Camera TG 80

Sulfur Hexafluoride, SF<sub>6</sub> is an insulation gas used widely in high voltage equipment, the aging of equipments can cause SF<sub>6</sub> leakage and emissions, and SF<sub>6</sub> is greenhouse gas with a global warming potential of 23,900 times the potential of CO<sub>2</sub>. ULIRvision Gasfinder TG infrared camera can detect accurately leakage spot from faraway distance to prevent hazards workers and public, also preserve the environment now and for future generations.



SF<sub>6</sub> gas has significant impact of global climate change, also has strong capacity of infrared absorbance. TG80 is particular gas camera to detect SF<sub>6</sub> leaks and offer bright and vivid thermal images to verify the leaks location rapidly and accurately. It is ideal instrument to be used widely in gas-insulated substations, circuit breakers, and other switchgear.



### Features:

- High sensitivity: with advanced technology to make it is capable to detect SF<sub>6</sub> leaks with 194g gas leakage rate per year
- Auto operation: instrument can be adjusted automatically laser intensity, make measurement easily and accurately.
- Dual display design: crisp seeking imaging + LCD screen, can operate in the sunlight.
- Built-in 4.0 mega-pixel digital camera: provide bright and vivid images.
- Inspection safety: detect potentially dangerous leaks to be monitored from several meters away.



# Gas Infrared Carema TG 80

## Technical Specifications:

### Imaging and Optical Data:

Detect gas type	SF <sub>6</sub>
Gas sensitivity	1 micro liter/second
Measurement distance	0.5~30m
Image frequency	50HZ
Field of view (FOV)	6° x 4.5°
Accuracy	± 1mm
Power adjustment	Auto
Temperature resolution	20mk
Spatial resolution	0.45mrad
Visible camera	4.0 mega - pixel
Visible image	Yes

### Image storage

Visible image format	JPEG
Video format	H.264

### Image presentation

Image display	JVC high resolution viewfinder 3.5'color LCD
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### Interfaces

Storage type	SD card
Storage capacity	2G

### Physical Data

Lifetime	> 20,000 hours
Weight	8.0kgs
Size	455 x 180 x 114 mm

### Power System

Battery	Rechargeable Li-ion battery
Battery running time	Approx 2 hours
Power operation	220V AC/50HZ

### Environment Data

Humidity	5~99%RH (non condensing)
Operating temperature	-30℃~60℃
Storage Temperature	-40℃~80℃
Operating environment	Inside or outside

### Camera Includes

Camera includes:	SF <sub>6</sub> gas infrared camera, rechargeable Li-ion battery, SD card, reading card, tripod, power cord, software, instruction, warranty card professional transport case
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