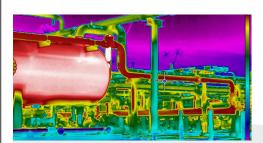# FLIR GF77™

The FLIR GF77 is a groundbreaking uncooled infrared camera capable of detecting methane and other gas emissions at industrial plants, renewable energy producers, natural gas power plants, and locations along the natural gas supply chain. This camera is spectrally-filtered specifically for methane and other gases to improve visualization and reduce false negatives from gases that absorb in other wavelengths. Based on the award-winning design of the FLIR T-Series platform, the GF77 offers a vibrant touchscreen LCD, 180° rotating optical block, and eyepiece for ease-of-use in direct sunlight. Streamlined reporting features such as built-in voice annotation, customizable work folders, and GPS tagging help make inspections easier.

www.flir.com/GF77

VISUALIZE METHANE LEAKS FASTER, MORE ACCURATELY

Spectrally-filtered for methane detection to improve worker safety and leak location identification

- Scan for methane emissions and follow them to the source so you can begin repairs immediately
- Visualize gases in specified spectrum while also reducing false negatives of gases that absorb in another wavelength
- See gases easier and make decisions quickly thanks to vibrant 4" LCD display
- Switch to viewfinder in bright, sunlit conditions to ensure optimal viewing

OPTICAL GAS IMAGING AT AN AFFORDABLE PRICE

Uncooled Gas Find IR offers many FLIR industry-leading camera features

- Improve image contrast with 1-Touch Level/Span auto-adjustment feature
- Increase leak detectability by activating FLIR's patented High Sensitivity Mode (HSM)
- Precisely resolve target area with laser-assisted autofocus
- Use data from the built-in area measurement tool to calculate tank level and volume

DESIGNED TO MAKE YOUR WORK EASIER

Ergonomic design, rapid-reporting features help streamline inspections and organize findings in the field

- Use comfortably—long-term—with award-winning ergonomic design, including 180° rotating lens
- Avoid lag with crisp, responsive graphic interface and scratch-resistant touchscreen
- Streamline work using built-in annotation tools, customizable work folders, and drag-and-drop report generation
- Connect instantly over Wi-Fi to mobile devices for data transfer and reporting

SPECIFICATIONS

Image and Optical Data	FLIR GF77 GAS FIND IR
Infrared resolution	320 × 240 (76,800 pixels)
Focal plane array	Uncooled microbolometer
Spectral range	7–8.5 μm
Detector pitch	25 μm
Thermal sensitivity (NETD)	<25 mK @ 30°C (86°F)
Gas sensitivity (NECL)	<100 ppm × m @ 30°C (86°F)
Field of view	25° × 19°
Focal length	18 mm
f/number	f/1.04
Focus modes	Continuous LDM, One-shot LDM, One-shot contrast, Manual
Digital zoom	1-6× continuous

Image Presentation and Frame Rate	
Image frequency	30 Hz
Display	4", 640 x 480 pixel (QVGA) touchscreen LCD with auto-rotation
Digital camera	5 MP, with built-in LED photo/video lamp
Color palettes	Iron, Gray, Rainbow, Arctic, Lava, Rainbow HC
Image modes	Infrared, visual, MSX®, Picture-in-picture
Image adjustment	Automatic, Automatic maximum, Automatic minimum, High Sensitivity Mode (HSM), Manual

Measurement and Analysis	
Camera temperature range	-20°C to 70°C (-4°F to 158°F)
Accuracy	±5°C (±9°F) for ambient temperatures 15°C to 35°C (59°F to 95°F)
Spotmeter	3 in live mode
Area	3 in live mode
Automatic hot/cold detection	Automatic max/min markers with area
Measurement presets	No measurement, Center spot, Hot spot, Cold spot, User preset 1, User preset 2
Color alarm (isotherm)	Above, Below, Interval, Condensation (moisture/humidity/dewpoint), Insulation

Image and Video Storage, Streaming	
Storage media	Removable SD card
Time lapse	10 seconds to 24 hours (infrared)
Remote control operation	Via USB cable, connected with FLIR Tools® Via Wi-Fi, connected to FLIR Tools Mobile
Image file format	Standard JPEG, measurement data included
Radiometric IR video recording	RTRR (.csq)
Non-radiometric IR and visual video recording	H.264 to memory card
Radiometric IR video streaming	Over UVC
Non-radiometric video streaming	H.264 over RTSP (Wi-Fi); MPEG4 over RTSP; MJPEG over UVC and RTSP
Visual video streaming	Yes

Additional Specifications	
Image annotations	Voice, Text, Image sketch (IR only), Sketch (from touchscreen)
Laser	Class 2, position auto-displayed on IR image
Laser distance meter	Dedicated button
Area measurement information	Yes
Interfaces	USB 2.0, Bluetooth®, Wi-Fi, DisplayPort
METERLiNK/Bluetooth	Communication with headset and external sensors
GPS	Location data automatically added to every still image and first frame of video
Battery	Rechargeable 3.6 V Li-ion battery, >4 hour charging time
Weight (with battery)	1.4 kg (3.1 lb)
Size	Lens vertical: 150.5 × 201.3 × 84.1 mm (5.9 × 7.9 × 3.3 in) Lens horizontal: 150.5 × 201.3 × 167.3 mm (5.9 × 7.9 × 6.6 in)
Box contents	Infrared camera with lens, 2 batteries, battery charger with power supply, eyecup, straps (hand, neck, lens), hard transport case, lanyards, front and rear lens caps, lens cleaning cloth, power supply, printed documentation, SD card (8 GB), cables (USB 2.0 A to USB Type-C, USB Type-C to HDMI and PD adapter, USB Type-C to USB Type-C)

Specifications are subject to change without notice.
For the most up-to-date specs, go to www.flir.com

◆◆FLIR® | The World's Sixth Sense®