



FLIR GF306

For Gas Leak Detection of the "Greenhouse Gas" SF, and Electrical Inspections

FLIR GF306 is an infrared camera capable of finding Sulfur Hexafluoride (SF_c), the "greenhouse gas" with an estimated atmospheric lifetime of 3,200 years.

- · Real time visualization of gas leaks
- Finds SF₆ leaks quickly & safely
- Considerably reduced inspection time
- Trace leaks to their source
- Perform safer inspections
- Internal data/video storage
- Digital camera & GPS
- High performance LCD & Tiltable high resolution viewfinder
- Multi-angle handle with integrated direct access buttons



Visualizes gas leaks in real time

FLIR GF306 scans large areas rapidly and pinpoints leaks in real time. It is ideal for monitoring plants that is difficult to reach with contact measurement tools. Literally thousands of components can be scanned per shift without the need to interrupt the process. It reduces repair downtime and provides verification of the process. And above all it is exceptionally safe, allowing potentially dangerous leaks to be monitored from several meters away.

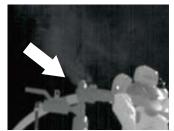
FLIR GF306 will significantly improve your work safety, environmental and regulatory compliance, not to mention helping to improve the bottom line by finding leaks that essentially decrease profits.

Detects the following gases:

- Sulfur Hexafluoride (SF_s)
- Acetyl Chloride
- Acetic Acid
- Allyl Bromide
- Allyl Chloride
- Allyl Fluoride
- Ammonia (NH_a)
- Bromomethane

- Chloride Dioxide
- Ethyl Cyanoacrylate
- Ethylene
- Furan
- Hydrazine
- Methylsilane
- Methyl Ethyl Ketone
- Methyl Vinyl Ketone

- Propenal
- Propene
- Tetrahydrofuran
- Trichloroethylene
- Uranyl Fluoride
- Vinyl Chloride
- Vinyl Cyanide
- Vinyl Ether



Captured SF, leak

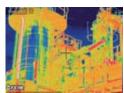


Tiltable, flip-out 4.3" High Contrast Color LCD allows you to view targets more safely from any angle.

Applications:



Electrical Utility



Petrochemical & Chemical industries



Automatic (one Touch) and Manual Focus with 1-8x continuous digital zoom helps you to deliver the perfect picture at ease.

FLIR GF306 Technical Specifications

Field of view (FOV) / Minimum focus distance	Imaging and optical data	
Lens identification F. number 1.5 Thermal sensitivity/NETD 5.25 mK @ +30°C Focus Automatic (one touch) or manual (electric or on the lens) 1-8 x continuous, digital zoom 2-240 pixels 1-8 x 240 pixels 1-8 x 1-8		24° × 18° / 0.3 m
Frumber Thermal sensitivity/NETD Joan Automatic (one touch) or manual (electric or on the lens) Focus Automatic (one touch) or manual (electric or on the lens) Joan Jeak continuous, digital zoom Noise reduction filter, High Sensitivity Mode (HSM) Focal Plane Array (FPAI / Spectral range Resolution Joan Sensor cooling Bestorage and data rate Full frame rate Full frame rate Full frame rate Busilimage presentation Display Busilimage adjustment Surveyinder Busilimage adjustment Level/span Inage modes Automatic image adjustment Level/span Inage modes Resolution Busilimage adjustment Level/span Inage modes Resolution Busilimage adjustment Level/span Inage modes Resolution Busilimage adjustment Level/span Inage modes Resolution Resolu		
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Digital image enhancement		
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Charging system In camera (AC adapter or 12 V from a vehicle) or 2 bay charger Charging time 2.5 h to 95% capacity, charging status indicated by LED's DC operation 10.8 to 16V DC, polarity protected (proprietary protected) Power 12,5 W typically	Image storage capacity Image storage mode Periodic image storage File formats GPS Video recording and streaming Non radiometric IR-video recording Non radiometric IR-video streaming Digital camera Built-in digital camera Digital camera video recording Laser pointer Laser Data communication interfaces USB, standard Video Power system Battery type	> 1200 images (JPEG) with post process capability per GB on memory card IR/visual images Visual image can automatically be associated with corresponding IR image Every 10 seconds up to 24 hours Standard JPEG, 14 bit measurement data included Location data automatically added to every image from built-in GPS MPEG4/H.264 (up to 60 minutes/clip) to memory card. Visual image can automatically be associated with corresponding recording of non radiometric IR-video. RTP/H.264 3.2 Mpixel, auto focus, and two video lamps MPEG4/H.264 (25 minutes/clip) to memory card Activated by dedicated button USB Mini-B: 2.0 High Speed Digital Video Output (image) Rechargeable Li Ion battery
Charging time 2.5 h to 95% capacity, charging status indicated by LED's DC operation 10.8 to 16V DC, polarity protected (proprietary protected) Power 12,5 W typically	Image storage capacity Image storage mode Periodic image storage File formats GPS Video recording and streaming Non radiometric IR-video recording Non radiometric IR-video streaming Digital camera Built-in digital camera Digital camera video recording Laser pointer Laser Data communication interfaces USB, standard Video Power system Battery type Battery voltage	> 1200 images (JPEG) with post process capability per GB on memory card IR/visual images Visual image can automatically be associated with corresponding IR image Every 10 seconds up to 24 hours Standard JPEG, 14 bit measurement data included Location data automatically added to every image from built-in GPS MPEG4/H.264 (up to 60 minutes/clip) to memory card. Visual image can automatically be associated with corresponding recording of non radiometric IR-video. RTP/H.264 3.2 Mpixel, auto focus, and two video lamps MPEG4/H.264 (25 minutes/clip) to memory card Activated by dedicated button USB Mini-B: 2.0 High Speed Digital Video Output (image) Rechargeable Li Ion battery 7.2 V
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Power 12,5 W typically	Image storage capacity Image storage mode Periodic image storage File formats GPS Video recording and streaming Non radiometric IR-video recording Non radiometric IR-video streaming Digital camera Built-in digital camera Digital camera video recording Laser pointer Laser Data communication interfaces USB, standard Video Prower system Battery type Battery voltage Battery operating time Charging system	> 1200 images (JPEG) with post process capability per GB on memory card IR/visual images Visual image can automatically be associated with corresponding IR image Every 10 seconds up to 24 hours Standard JPEG, 14 bit measurement data included Location data automatically added to every image from built-in GPS MPEG4/H.264 (up to 60 minutes/clip) to memory card. Visual image can automatically be associated with corresponding recording of non radiometric IR-video. RTP/H.264 3.2 Mpixel, auto focus, and two video lamps MPEG4/H.264 (25 minutes/clip) to memory card Activated by dedicated button USB Mini-B: 2.0 High Speed Digital Video Output (image) Rechargeable Li Ion battery 7.2 V > 2 hours at 25°C and typical use In camera (AC adapter or 12 V from a vehicle) or 2 bay charger
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-20°C to +40°C
-30°C to +60°C
IEC 68-2-30/24 h 95% relative
humidity +25°C to +40°C
(+77°F to +104°F) (2 cycl)
73/23EEC
89/336/EEC
2002/95/EC
2002/96/EC
EN61000-6-3 (Emission)
EN61000-6-2 (Immunity)
FCC 47 CFR Part 15 class B
(Emission)
EN 61 000-4-8, L5
EN/UL/CSA 60950-1
IP 54 (IEC 60529)
25 g (IEC 60068-2-29)
2 g (IEC 60068-2-6)
2.48 kg
0.24 kg
306 × 169 × 161 mm
Standard, ¼"-20
Aluminium, Magnesium
TPE Thermoplastic Elastomers

Scope of delivery
Infrared camera
Standard Lens, 14.5° (Ge)
Shipping case
Lens cap (mounted on lens)
Lens cap strap, 2 ea.
Shoulder strap
Batteries 2 ea. (1 of the batteries inside camera)
Charger
Power supply
Power supply cord
HDMI cable
HDMI-DVI cable
USB cable
SD card
SD card adapter (connects via USB to PC)
Getting Started Guide (printed)
Manual for GF-series on CD
Video Report 1.0 with manual on CD





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