



The Global Leader in Infrared Cameras

NEW! Higher Sensitivity for Faster Inspections!

ThermaCAM® GasFindIR™ HSX

NEW AND ADVANCED INFRARED CAMERA
BOOSTS LEAK DETECTION AND REPAIR



The new FLIR GasFindIR HSX is the next-generation GasFindIR camera from FLIR. New integration modes and productivity features help organizations maximize safety, savings, and productivity when surveying for methane and other Volatile Organic Compound (VOC) leaks in facilities and pipelines.



- > High Sensitivity Mode™ image enhancement
- > Provides 5 times better sensitivity for gas detection
- > Nine integration times to optimize for scene conditions
- > Designed for high-volume scanning
- > Spot leaks close by or hundreds of feet away
- > Find leaks in tank cars, pipelines, and facilities
- > New Li ION 8-hour battery
- > Includes 12-volt and AC power adapters

A Smart Solution

Most piping, flanges, and connections in petrochemical operations are fault-free. However, uncontrollable factors can cause a small portion of components to fail. Even the slightest leak or failure can have a devastating effect.

To help ensure safety, protect the environment, and protect your investment in your infrastructure, the GasFindIR HSX camera enables fast detection of fugitive emissions.

More Integration Times

More user settings in the new HSX allow the camera to be optimized for the environment and climate scene in which gases are present. FLIR's new GasFindIR HSX camera delivers nine user-selectable integration modes. Normal Scene, Cold Scene, and Hot Scene can be selected at 60 Hz, 30 Hz, or 15 Hz.

This allows you to change frame acquisition rates for better image performance in hot and cold environments to help you find the smallest leaks. The GasFindIR HSX is a real-time infrared camera that can scan images at 60, 30, or 15 images per second.

It's Innovative

The GasFindIR HSX camera takes advantage of an advanced cooled InSb detector and optical systems that are tuned to very narrow spectral infrared ranges.

High Sensitivity Mode

Images are processed and enhanced by the GasFindIR HSX High Sensitivity Mode™ which clearly shows the presence of gases. Gases that are detectable by the GasFindIR HSX camera appear as smoke. And with the five-fold increase in image clarity of HSM, users are able to determine smaller leaks, so they can be repaired before conditions become dangerous and costly. The camera's controls are easily accessible and a built-in menu system gives users access to in-camera software tools for additional functions.

Productive Scanning

The camera includes a 25 mm wide-angle lens for scanning of a variety of components and operations. For longer-range needs, 50 mm and 100 mm lenses are available from FLIR Systems. The camera helps improve productivity by enabling wide-angle scans of piping systems and views of pipelines from moving vehicles.

More Choice of Power

The GasFindIR HSX gives you more power choices so you can concentrate on the critical work at hand - find gas leaks. The GasFindIR HSX can be operated by battery, with up to eight hours continuous use. The camera also can be connected to AC power for round-the-clock use. Or the camera can be connected to 12-volt power for vehicle-based inspections. This gives thermographers greater flexibility in critical surveys.

Makes Reporting Easy

Images from the GasFindIR HSX camera are recordable to any off-the-shelf video recorder for easy archiving, documenting, and emailing.

A Rugged Solution

The GasFindIR HSX is dust and splash proof and designed for use in the most demanding situations.

World Class Support

GasFindIR HSX is manufactured by FLIR Systems, the largest manufacturer of infrared cameras, offering the widest selection, best post-sale technical support, and training to ensure your success. With more than 30 years experience and a long history of innovation and leadership, you can trust FLIR Systems to help you protect your investment.



ThermaCAM® GasFindIR™ HSX Technical Specifications

Imaging Performance	
Field of view/min focus distance	22° x 16.5°
Focus near	< 0.2m
Focal Length	25 mm
Thermal sensitivity (N.E.T.D)	30 mK @ 30°C
F-number	2.3
Detector	
Type	Focal Plane Array (FPA), cooled InSb, 320x240 pixels
Spectral Range	3-5 µm
Integration time	9 user selectable (normal, hot, cold @ 60Hz, 30Hz, or 15Hz)
Power Input	
Voltage	7.5V
Power Consumption	<6W typ.
Battery Type	Li-ION, rechargeable, field replaceable
Battery Operating Time	8 hours continuous use
External Power Operation	AC Adapter 110/220 VAC, 50/60 Hz or 12- volt for vehicle-based surveys
Physical Characteristics	
Weight (with battery and lens)	5.2 lbs. (2.36 kg.)
Color	Black
Size with 25mm lens (LxHxW)	10.73"x5.2"x6.2" (272mm x 132mm x 157mm)
Interface	Tripod mounting UNC 1/4", rotation safe
Available Lenses	
Field of View	25 mm (22°) 50 mm (11°) 100 mm (5.5°)
Environmental	
Operating temperature range	-15°C to +50°C (+5°F to +122°F)
Storage temperature range	-40°C to +70°C (-40°F to +158°F)
Bump	40g, MIL-STD-810F
Vibration	7.15g, MIL-STD-810F
EMC	EN 50081-2 (Generic emission) EN 50082-2 (Generic immunity)
Humidity	20-80% (non condensing) IEC 359
Image Specifications	
Image storage	Hand-held personal video recorder, commercial, off-the-shelf
Image out	NTSC/RS-170
Camera control	RS-232, push-button on camera
Connectors/function	C-video, PAL, NTSC, and Serial RS-232
Frame rate	60 Hz/30Hz/15Hz, user selectable for cold/hot temperature environments

Camera includes:
320x240 InSb High Performance FPA
25mm Lens with Lens Cover
High Sensitivity Mode (HSM)
9 Integration Modes
BW Viewfinder
Auto Gain Control (AGC)
Intelligent Battery Charger
Battery, 3 each, Li Ion
AC Power Supply
A/V Cable for PVR
Video Cable
Hand Strap
Shipping/Carrying Case
Operating Manual
Personal Video Recorder (PVR) and Battery

GasFindIR HSX Camera is Laboratory Tested to Detect:	
Benzene	Pentane
Ethanol	1-Pentene
Ethylbenzene	Toluene
Heptane	Xylene
Hexane	Butane
Isoprene	Ethane
Methanol	Methane
MEK	Propane
MIBK	Ethylene
Octane	Propylene



The GasFindIR HSX camera is a lightweight, handheld, portable infrared camera for field operations.



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www.goinfrared.com/gasfindirhsx

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