

EXPLOSIVE ATMOSPHERES

Acoustic Imaging in Explosive Gas and Dust Atmospheres

FLIR Si2x-SERIES ACOUSTIC CAMERA FOR HAZARDOUS LOCATIONS

The FLIR Si2x-Series ATEX and IECEx-certified acoustic cameras for hazardous locations allow for pressurized gas leak quantification, mechanical fault identification, and partial discharge detection in explosive atmospheres. The Si2x provides an effective, easy to use scalable ultrasound inspection tool that helps reduce energy costs and loss of productivity for Explosive Vapor and Explosive Dust environments.

Why Choose the FLIR Si2x?

Reduces costs and improves energy efficiency

- Pinpoints even the tiniest leaks and shows leak size and cost estimates in real time
- Detects leaks faster and more accurately than traditional methods

Quantifies industrial gas leaks and detects mechanical faults

- Measures common industrial gases including compressed air, ammonia, hydrogen, carbon dioxide, methane, helium, and argon
- Detects and measures potentially faulty bearings in Mech Mode

Offers the best acoustic camera performance

- Features the most sensitive acoustic imaging on the market
- Includes fleet management and data integration capabilities for enterprise-level companies

Speeds up audits and requires minimal training

- Scans large areas quickly without interrupting operations
- Gets new users up and running quickly with minimal training needed



*The new **Si2x** Acoustic Imager.*

Learn more about explosive
vapor environments



EXPLOSIVE ATMOSPHERES

FLIR Si2x-Series Acoustic Cameras for Hazardous Locations

FLIR Si2x-LD

Industrial Acoustic Imaging Camera for Pressurized Gas Leak and Mechanical Fault Detection

FLIR Si2x-Pro

Industrial Acoustic Imaging Camera for Partial Discharge, Pressurized Gas Leak, and Mechanical Fault Detection



The Si2x is suitable for certain combustible vapor atmospheres in:

- Oil & Gas
- Chemical
- Ammonia & Hydrogen
- Wastewater
- Power Generation
- Pharmaceuticals
- Manufacturing Paint lines
- Food & Beverage

The Si2x is suitable for certain combustible dust atmospheres in:

- Agriculture
- Wood & Wood Products
- Food Processing
- Metal Processing
- Pulp & Paper
- Automotive
- Ethanol



Learn more about explosive dust environments

