**Teledyne FLIR Unveils Si124-LD Plus Acoustic Imaging Camera for Compressed Air Leak Detection with Improved** **Sensitivity, Auto Filtering, and Auto Distancing**

*This advanced acoustic camera for industrial uses improves performance, efficiency, and ease of use with one-hand operation to pinpoint issues at a safe distance*

**GOLETA, Calif., April 6, 2023**― Teledyne FLIR, part of Teledyne Technologies Incorporated, today announced the **Si124–LD Plus,** a new addition to its line of Si124 acoustic imaging cameras. This new model provides professional inspectors with an enhanced user interface and software features that improve the ability to pinpoint smaller air compressor leaks more quickly and accurately than ever before to make industrial environments safer and more productive.

The Si124-LD Plus maintains its ergonomic one-hand operational design while offering a number of enhancements to improve its utility and efficiency, including:

* **AutoFilter:** automatically determines the best filter to use for revealing small leaks that might otherwise remain undetected, all the while speeding up inspections by eliminating unrelated background noise.
* **AutoDistance:** automaticallymeasures the distance to the leak for real-time, reliable, leak-rate estimates up to five meters (16 feet) away from the source.
* **Continuous Auto-Correct:** improves leak detection performance to find even smaller air leaks from 0.016 l/min to 0.004 l/min (0.016 l/min = 0.00057 cfm, 0.004 l/min = 0.00014 cfm).

“The Si124-LD Plus acoustic imaging camera represents a step change for industrial compressed air leak inspection,” said Rob Milner, Director, Global Business Development, Teledyne FLIR. “The Si124 line of acoustic imaging devices has already proved to decrease inspection time 10-fold, and now with additional software features such as AutoDistance and AutoFilter with the ‘plus’ version, industrial inspectors will enjoy even greater efficiency and the ability to detect even smaller leaks than what was once possible. These leaks, if not detected and remedied, can create not only dangerous conditions for buildings and industrial sites but can lead to costly repairs and unnecessary increases in energy costs.”

The acoustic imaging camera also features an upgraded user interface (UI) and full integration with the powerful FLIR Thermal Studio software for post-inspection analysis and reporting. Importantly, the Si124-LD Plus provides leak quantification both on camera and in software, allowing inspectors to better prioritize repairs and justify expenditures.

**FLIR Thermal Studio Integration**  
[FLIR Thermal Studio](https://www.flir.com/products/flir-thermal-studio-suite/?vertical=condition+monitoring&segment=solutions) empowers operators to import acoustic images from the camera to the desktop software suite to easily edit and analyze acoustic imagery alongside multispectral imagery capture from other Teledyne FLIR inspection tools. This enables inspectors to create advanced reports as part of a comprehensive predictive maintenance or condition monitoring program across the visible, thermal, and acoustic spectrums. The software gives users the ability to create reports through pre-built or fully customizable templates, including multispectral image analysis in the same report or even the same page via drag-and-drop report creation functionality.

The Si124-LD Plus includes two rechargeable batteries with a battery recharger, a neck strap, and a USB memory stick included within a hard case for safe, easy transportation to and from the job site.

Visit [www.flir.com/Si124-LD-Plus](http://www.flir.com/Si124-LD-Plus) for more information and to book your demo.

**About Teledyne FLIR**

Teledyne FLIR, a Teledyne Technologies company, is a world leader in intelligent sensing solutions for defense and industrial applications with approximately 4,000 employees worldwide. Founded in 1978, the company creates advanced technologies to help professionals make better, faster decisions that save lives and livelihoods. For more information, please visit [www.teledyneflir.com](http://www.teledyneflir.com/) or follow @flir.