



## Excelitas Technologies Introduces Multi-Function, Intelligent Infrared Sensor

*New CaliPile Series IR Sensors Detect Motion, Presence and Temperature All in One Compact Unit*



**WALTHAM, Mass., October 31, 2016 – [Excelitas Technologies® Corp.](#)**, a global technology leader focused on delivering innovative, customized photonic solutions, today introduced its CaliPile Sensor Family. This unique, multi-purpose infrared sensor performs in three distinct operation modes: motion detection, presence detection and temperature measurement. CaliPile represents a new range of intelligent IR sensor that includes highly-sensitive infrared detectors and associated electronic circuitry.

With selectable frequency filters and levels that allow users to choose different operation modes, CaliPile offers maximum flexibility for motion detection, presence detection and temperature measurement. Built with an integrated filter, CaliPile sensors can work without the need for additional lenses. Selectable registers enable users to set the product into one of the three major operation modes, each of which can be set into individual use cases to achieve custom operations.

The CaliPile receives calibration data to support temperature-related processing and output. Applications for the CaliPile Series include short-range presence detection, non-contact temperature measurement and overheating protection. It will be useful for smart-home product designers, lighting and printer manufacturers, and general industry users.

“We’re excited about the new CaliPile detector,” said Wolfgang Schmidt, IR Sensing Sr. Product Manager at Excelitas Technologies. “As smart technologies move from security, defense and industrial applications toward practical uses in homes and consumer products, many OEMs are looking for ways to pack more technology and function into smaller and fewer devices. A multi-purpose, highly-sensitive infrared detector like our CaliPile TPiS 1385 makes it possible, for example, for one smart device to enable both security and thermostat controls, rather than requiring multiple detectors installed to serve separate functions.”

The New CaliPile Multi-Purpose Sensor will make its world debut at the Electronica 2016 in Munich Germany, November 8 - 11 at Excelitas Technologies Exhibit: Hall B1, Booth #107. For more information about Excelitas, visit [www.excelitas.com](http://www.excelitas.com).

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## **About Excelitas Technologies**

Excelitas Technologies Corp. is a global technology leader focused on delivering innovative, high-performance, market-driven photonic solutions to meet the lighting, detection and other technology needs of global customers. From biomedical technology to research laboratory, safety and security, consumer, semiconductor, industrial, energy and environment, as well as defense and aerospace applications, Excelitas Technologies is committed to enabling our customers' success in their end-markets. Excelitas Technologies has approximately 5,500 employees in North America, Europe and Asia, serving customers across the world. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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