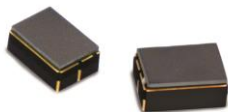


Excelitas Technologies Expands DigiPyro Detector Family with PYD 2592



WALTHAM, Mass., January 7, 2020 – [Excelitas](#)

[Technologies® Corp.](#), a global technology leader delivering innovative, customized photonic solutions, introduces the new PYD 2592 SMD (surface mount) DigiPyro® Detector. Following the recent announcement of the [PYD 2792 SMD DigiPyro](#), the dual-element PYD 2592 features two standard elements in parallel connection designed into a compact 5x7mm SMD housing with optical window. As the latest additions to Excelitas' DigiPyro offering, both PYD 2792 and PYD 2592 enable an extremely wide field-of-view (FOV) to allow the

flexibility required for complex motion detection applications, including smart home, Internet of Things (IoT), auto lighting, safety and security.

Designed for operation voltage of 1,8 – 3,6V, Excelitas' PYD 2592 SMD DigiPyro Detectors are compatible with TO-DigiPyro detectors and can facilitate standard PCBA processing and handling. PYD 2592 can be additionally parameter configured (bandpass, threshold) and supports sleep/wake-up function to the linked μ P/MCU.

Product features include:

- Widest FOV on the market for flexible optics design
- Full SMT compatibility (automatic handling and assembly in standardized PCBA processes)
- Low package profile, with the lowest z-height on the market, to allow shallow optics design
- Low supply voltage
- Low power consumption
- Battery operation

“We are excited to announce the new PYD 2592 sensor as the latest addition to our innovative DigiPyro detector family,” said Fred Plotz, Product Manager | IR Sensing at Excelitas. “The unique design of the PYD 2592 and PYD 2792 sensors streamlines integration to the host system with a significantly reduced form factor and internal integrated circuitry to convert the element signals into a 14bit digital output. As a result, OEM customers can develop exceptional new products and achieve competitive market advantages for a growing list of applications – from smart home to IoT and beyond.”

DigiPyro PYD 2592 and PYD 2792 sensors will be on display at [Photonics West](#), February 1 – 6, 2020. Visit Excelitas at booth #1149 to learn more.

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About Excelitas Technologies

Excelitas Technologies® Corp. is a photonics technology leader focused on delivering innovative, high-performance, market-driven solutions to meet the lighting, optronics, detection and optical technology needs of our OEM customers. Serving a vast array of applications across biomedical, scientific, safety, security, consumer products, semiconductor, industrial manufacturing, defense and aerospace sectors, Excelitas stands committed to enabling our customers' success in their end-markets. Our photonics team consists of 7,000 professionals working across North America, Europe and Asia, to serve customers worldwide. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

Visit <http://www.excelitas.com> for more information.

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