

Press release

January 2019

HertzstückTM NIR multi-pixel detector

- PbS multi-pixel detector for wavelengths from 1 to 3 μm
- Pixel numbers from 2 to 16 possible in variable designs
- Highest detectivity at room temperature
- High stability and long lifetime through thin-film encapsulation

During SPIE Photonics West 2019, trinamiX presents the HertzstückTM infrared multi-pixel detector. The detectors consist of 2 to 16 pixels in line or matrix design. HertzstückTM detectors cover the spectral range from 1 to 3 μm , which is highly relevant for applications in inline or mobile process analytics and quality control.

The HertzstückTM PbS detectors are protected by a thin-film encapsulation which ensures a high stability and long lifetime. In addition, the detectors can directly be wire-bonded to PCBs. HertzstückTM detectors do not require deep cooling as their detectivity at room temperature is above $1 \cdot 10^{11} \text{ cm}\cdot\text{Hz}^{1/2}/\text{W}$. To meet highest product quality standards, trinamiX guarantees 100% quality control before the delivery.

About HertzstückTM

HertzstückTM is a brand of trinamiX GmbH, a spin-off and wholly owned subsidiary of BASF SE. trinamiX GmbH was founded in 2015 and is based in Ludwigshafen, Germany. We offer standard and custom-engineered products in the field of infrared (IR) detection. The infrared detectors HertzstückTM are developed and completely manufactured at a production site in Ludwigshafen, Germany. Detailed specifications can be found at www.hertzstueck.de.

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