

# NEWS RELEASE

## OSI Optoelectronics, Inc.

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For Immediate Release

## OSI Optoelectronics Offers Superior X-Ray Imaging with Multi-Channel Detector Arrays.

**Hawthorne, Calif. – April 11, 2019 – OSI Optoelectronics (OSIO)**, an OSI Systems Company, announces its multi-channel X-ray detector series. The scintillator-compatible photodiode arrays, **Model A2C-16-1.57**, produce superior X-ray imaging resolution. The devices are comprised of 16 individual elements, grouped together and mounted on printed circuit boards specially designed to allow end-to-end connectivity. The multi-channel x-ray detector arrays offer maximum flexibility and are ideal for easy integration into new or existing systems.



For X-ray or gamma-ray applications, there are three scintillator-mounting options: bismuth germinate (BGO), cadmium tungstate ( $\text{CdWO}_4$ ) and caesium or cesium iodide (CsI). When coupled with a scintillator, the OSI's silicon detector arrays map any medium- or high-radiation energy over to the visible spectrum via scattering effect. For larger-scale assembly, multiple arrays may be installed to achieve optimum results.

Applications for the A2C-16-1.57 multi-channel X-ray scanning series include X-ray security systems, multi-channel gamma counting, and position sensing. The scintillator detector platform offers a variety of channel spacing and 5V bias, for added convenience.

To learn more about OSI's full line of standard products and OEM or customized optoelectronic solutions, please visit [www.osioptoelectronics.com](http://www.osioptoelectronics.com). To download the datasheet for the multi-channel X-ray detector series, please go to: [www.osioptoelectronics.com/standard-products/silicon-photodiodes/x-ray-radiation-detectors/multi-channel-x-ray-detectors.aspx](http://www.osioptoelectronics.com/standard-products/silicon-photodiodes/x-ray-radiation-detectors/multi-channel-x-ray-detectors.aspx).

## **ABOUT THE COMPANY:**

**OSI Optoelectronics, Inc.** Hawthorne, California-([www.osioptoelectronics.com](http://www.osioptoelectronics.com) ), a division of OSI Systems, is the global leader in design and manufacture of high performance standard, custom, and OEM silicon and InGaAs photodiodes. For over 40 years, we have developed and manufactured OEM and custom solutions for leading technologies and industries. We provide advanced optoelectronic components and sub-assemblies for aerospace and defense, security, inspection systems, medical, communications, and industrial automation applications.

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