

NEWS RELEASE

Advanced Photonix

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For Immediate Release

Advanced Photonix Announces the Industry's Largest, Large Area Avalanche Photodiodes (LAAPDs)

- OSI Optoelectronics/Advanced Photonix will be live online during SPIE Photonics West 2021 Digital Forum, March 6 -11.

Camarillo, Calif. – March 5, 2021 – Advanced Photonix, a division of OSI Optoelectronics, introduces compact and rugged **Large Area Avalanche Photodiodes (LAAPDs)**. Based on proprietary and patented technologies, the new LAAPDs are the largest APDs in the industry, and are available in various sizes, from 3 mm, 5 mm, 10 mm, to 16 mm active area diameters. The devices operate at up to 2000 volts with gains of up to 300. With extremely low noise levels and high stable gain, the photodiodes are offered in cooled or uncooled packages.



The large area avalanche photodiodes are available with high sensitivity in Blue, Red, or Deep UV spectral regions down to 150 nm with 120% quantum efficiency. They are ideal for scintillation or direct X-ray detection applications.

For more information about Advanced Photonix's full line of avalanche photodiodes, please visit: <https://www.advancedphotonix.com/product/detectors/avalanche-photodiodes/>. To learn more about the innovative large area APDs, go to: <https://www.advancedphotonix.com/wp-content/uploads/2016/07/Deep-UV-Large-Area-Avalanche-Photodiodes-LAAPD-V1.16.pdf>.

Advanced Photonix, a division of OSI Optoelectronics, is the leading global provider of innovative photonics, optoelectronics, and advanced electronic systems for prominent aerospace & defense, medical, and industrial OEMs that demand high-reliability, high-performance, market-driven technology solutions today.

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