



FOR IMMEDIATE RELEASE:

Excelitas Introduces pco.dimax 3.6 ST High-Speed Streaming Camera for Scientific and Industrial Applications

Unique platform enables real-time image streaming with high clarity and resolution

WALTHAM, Mass., May 7, 2024 – [Excelitas Technologies Corp.](#), a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions, today introduced the [pco.dimax® 3.6 ST Streaming, High-Speed Camera](#) for scientific and



industrial applications. With real-time image streaming, the new camera captures crystal-clear images with a recording speed of 2166 fps at 3.6 MPixel resolution, making it ideal for use in high-speed sorting, analysis and inspection applications including production control and analysis, quality assurance, research, process and material development, laser welding and inert gas welding, and automotive airbag and component testing.

The pco.dimax 3.6 ST camera combines the frame rate of a high-speed camera with long recording times, enabling real-time image streaming over 8x10GB optical fiber, which helps overcome any internal memory limitations. The Camera Link HS data interface (CLHS FOL) ensures lossless image details with uncompressed 10-bit data transmission. Each pco.dimax camera is accompanied by intuitive PCO software.

Key features include:

- High fullwell capacity of 60,000 electrons
- Spectral range of 340 nm - 1100 nm
- Sensor size 21.8 mm x 19.8 mm / 29.5 mm
- 2166 fps @ 3.6 MPixel
- Excellent sensitivity featuring large pixels with 11 µm x 11 µm size
- Uncompressed 10-bit digitization
- Real-time streaming over 8x10 GB fiber optic data interface
- Readout noise of < 65 e-

“The easy-to-use pco.dimax 3.6 ST Camera joins an extensive portfolio of cutting-edge PCO cameras and optoelectronics available from Excelitas Technologies that are used in a variety of scientific and industrial research applications, including automotive crash test. We are proud to introduce this addition, which allows real-time streaming of high-resolution, crystal-clear images, to our existing product line,” said Mohamed Ali Souissi, Product Manager at Excelitas.

Excelitas will display the new pco.dimax 3.6 ST Camera from May 6 - 9, 2024 at [Automate 2024](#) Booth #4070 in Chicago, IL. For additional information, visit <https://www.excelitas.com/product/pcodimax-36-st-high-speed-camera>.

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About Excelitas Technologies Corp.

Excelitas Technologies® is a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions to meet the illumination, optical, optronic, sensing, detection and imaging needs of our OEM and end-user customers. Serving a vast array of applications across biomedical, scientific, semiconductor, industrial manufacturing, safety, security, consumer products, defense and aerospace sectors, Excelitas stands committed to enabling our customers' success in their many various end-markets. Our team consists of more than 7,500 professionals working across North America, Europe and Asia, to serve customers worldwide.

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