



FOR IMMEDIATE RELEASE:

Excelitas Introduces pco.dimax 3.6 DS ST CLHS High-Speed Camera for High-Resolution, Double-Shutter Imaging

High-resolution imaging at extreme speeds enables accurate capture of fast transient events



Pittsburgh, Pa., March 3, 2026 – [Excelitas®](#), a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics sectors, today announced the launch of the [pco.dimax 3.6 DS ST CLHS](#), a new high-speed double shutter camera engineered to capture extremely fast phenomena with both high temporal resolution and detailed image quality.

The pco.dimax 3.6 DS ST CLHS is the first double-shutter high-speed camera to deliver 3.6-megapixel resolution (1984 × 1808), addressing the increasing demand for higher spatial detail without compromising speed. It combines 3.6-megapixel resolution with advanced double-shutter CMOS technology, enabling acquisition of more than 1,000 double images per second at full resolution. The double shutter operation with its ultra-short interframing time of 250 ns enables precise measurement of rapid motion, making the camera well suited for particle image velocimetry (PIV), flow visualization, combustion research, impact testing and other high-speed scientific and industrial applications.

To support high-data-rate workflows, the camera features a Camera Link HS (CLHS) FOL interface that enables real-time streaming over eight 10-gigabit fiber connections with uncompressed 10-bit data transfer. This capability allows continuous acquisition and immediate data availability for analysis in high-throughput environments.

Additional performance features include an 11 μm pixel size for high sensitivity, global and double-shutter operation, flexible region-of-interest and binning options to increase frame rates, and air- or liquid-cooled configurations for reliable operation in demanding environments. The camera supports a wide range of applications, including aerospace and wind tunnel testing, automotive airbag and component validation, ballistics, fuel injection research, industrial production analysis, welding and laser process monitoring, and advanced fluid dynamics studies.

“The pco.dimax 3.6 DS ST CLHS was developed to meet the growing need for higher-resolution imaging at extreme speeds,” said Mohamed Ali Souissi, Product Manager at Excelitas. “By combining ultra-short interframing times with high-resolution double-shutter capability and high-throughput streaming, this system enables researchers and engineers to capture fast, complex events with the precision required for advanced analysis.”

For more information on the pco.dimax 3.6 DS ST CLHS, visit <https://www.excelitas.com/product/pcodimax-36-ds-st-clhs-high-speed-camera>.

###



About Excelitas

Excelitas is a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of advanced technologies, offering leading-edge innovation in sensing, detection, imaging, optics and specialty illumination for customers worldwide. Excelitas is at the forefront of addressing many of the relevant megatrends impacting the world today, including precision medicine, industrial automation, artificial intelligence and connected devices (IoT).

Connect with Excelitas on [LinkedIn](#), [Facebook](#), [X](#) and [Instagram](#), or visit our website at www.excelitas.com for more information.

Excelitas® and PCO® are registered trademarks of the Excelitas group of companies. All other products and services are either trademarks or registered trademarks of their respective owners.

Contacts:

Dan Brailer
Vice President Investor Relations and Communications
dan.brailer@excelitas.com
+1 (412) 977- 2605

Cheryl Reynhout or Jill Anderson
On Behalf of Excelitas
SVM Public Relations
excelitas@svmmarcom.com
+1 (401) 490-9700