



FOR IMMEDIATE RELEASE:

Excelitas Launches pco.dimax cs8 High-Speed Camera for Automotive Safety Testing and Advanced Motion Analysis

New 8 MP camera delivers more than 1,100 fps at 4K resolution, combining excellent image quality, rugged crash-test reliability, and seamless FALCON integration



Pittsburgh, Pa., September 28, 2026 – [Excelitas®](#), the leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the MedTech, Life Sciences, Advanced Industrial, next-generation Semiconductor and Avionics end markets, today announced the launch of the [pco.dimax® cs8](#), a next-generation 8 MPixel high-speed camera engineered specifically for automotive and aerospace safety testing and demanding scientific and industrial research applications. Designed as the successor to the trusted pco.dimax cs family, the new camera combines 4K high-speed imaging, automotive-grade

durability, secure onboard recording and native integration with FALCON extra high-speed video software in a compact platform optimized for crash-test environments.

The pco.dimax cs8 delivers more than 1,100 frames per second at full 4K resolution (3840 × 2160) and over 5,000 frames per second at Full HD resolution, enabling engineers and researchers to capture and analyze fast-moving events with exceptional detail and precision. Featuring a back-illuminated CMOS sensor with global shutter technology, the camera eliminates motion distortion while providing the image quality required for critical vehicle safety validation, motion analysis and dynamic testing applications.

“Automotive safety testing demands imaging systems that deliver uncompromising performance under extreme conditions,” said Mohamed Ali Souissi, Product Manager, Camera Systems at Excelitas. “The pco.dimax cs8 builds on the proven success of the pco.dimax platform while introducing a new level of resolution, speed, reliability and workflow efficiency for customers conducting crash testing and other high-speed analysis applications.”

Designed to withstand harsh testing conditions, the pco.dimax cs8 offers shock resistance up to 150 g and incorporates 25 GB of internal recording memory for extended recording times. It combines excellent image quality, 4K high-speed imaging, automotive-grade durability, secure onboard recording and native integration with FALCON extra high-speed video software in a compact platform optimized for crash-test environments. Flexible lens mounting options, including C-Mount, F-Mount and EF-Mount compatibility, further support a wide range of test configurations and imaging requirements.

Designed for automotive safety testing, crash-test laboratories, industrial R&D, motion analysis, aerospace and defense testing, transportation safety programs and scientific research, the pco.dimax cs8 combines exceptional image quality with high-speed performance and rugged reliability. It provides automotive manufacturers, suppliers, testing organizations and research institutions with a future-ready imaging platform that maximizes productivity while reducing overall operating costs.

The pco.dimax cs8 will be on display at [VISION 2026](#) in Stuttgart, Germany, October 6-8, 2026, Booth #E51, Hall 10. For more information about the camera, please visit <https://www.excelitas.com/product/pcodimax-cs8-high-speed-camera>.

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About Excelitas

Excelitas® is a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the MedTech, 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).

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