



FOR IMMEDIATE RELEASE:

Excelitas Unveils pco.hsr 8x25 CLHS Recorder for Continuous, Lossless Capture of Ultra-High-Speed Events

Next-generation high-speed recorder delivers up to 200 Gbit/s throughput, multi-camera support and uninterrupted recording for a range of scientific and industrial applications



Pittsburgh, Pa., January 20, 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 launched the [pco.hsr 8x25 CLHS Recorder](#). This new generation high-speed recording system uniquely combines extreme data throughput with uninterrupted recording. When paired with a PCO® high-speed camera, it ensures continuous data acquisition of ultra-fast processes with zero loss for demanding industrial inspection and research and development applications.

Built on a stable, FPGA-based architecture, the pco.hsr 8x25 CLHS streams data directly to its high-endurance SSD storage, eliminating the bottlenecks and speed limitations of conventional computers with frame grabbers. With an unprecedented transfer bandwidth of up to 200 Gbit/s, the pco.hsr 8x25 CLHS supports up to eight cameras simultaneously, offering synchronized multi-camera workflows for complex test setups and production environments.

“The pco.hsr 8x25 CLHS addresses a fundamental challenge in high-speed imaging: capturing extreme-speed events continuously and reliably over extended periods,” said Alexander Grünig, Director, Advanced Imaging Systems at Excelitas. “It is the perfect addition to our product portfolio. With its plug-and-play design and seamless integration into our PCO Software Suite, data can be accessed easily and remotely without the need for complex computer systems.”

Key product features:

- **Extreme speed and continuous capture:** Records up to 200 Gbit/s with seamless, lossless data flow, capturing even the fastest transient events through a stable, FPGA-based streaming architecture.
- **High-endurance SSD storage:** Provides 8 TB solid-state storage to deliver the capacity and throughput required to handle massive image data streams from high-speed cameras.
- **Multi-camera connectivity and efficient workflow:** Scalable multi-camera connectivity via eight dedicated 25G fiber-optic channels, built to support demanding setups, integrating seamlessly with all PCO CLHS camera models.

Excelitas will display the pco.hsr 8x25 CLHS Recorder from January 20 – 22, 2026 at SPIE [Photonics West 2026](#) in San Francisco, CA at Booth #637. For additional information, visit: <https://www.excelitas.com/product/pcohsr-8x25-clhs-image-recorder>.

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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 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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