



High-Speed Recorder **pco.hsr 8x25 CLHS**



High-Speed Data Acquisition with Uninterrupted Recording

The next-generation pco.hsr 8x25 CLHS high-speed recorder is designed for continuous, lossless capture of the fastest transient events. Its robust FPGA-based architecture streams image data directly to high-endurance SSDs, combining extreme data bandwidth with uninterrupted recording. With bandwidths of up to 200 Gbit/s and support for up to eight cameras, the system clearly surpasses conventional computer-based solutions and ensures that even the most critical, high-speed moments are reliably captured. Engineered for demanding industrial inspection and R&D applications, the recorder enables precise analysis across high-speed manufacturing, automotive and aerospace testing, sports and motion analysis, medical imaging, and advanced physics research.

SPECIFICATIONS

Maximum data rate of 200 Gbit/s

Storage capacity of 8 × 1 TB high-endurance SSDs rated for 60 DWPD

System memory of 64 GB RAM

Support for up to eight cameras operating simultaneously

Interfaces including 25 Gbit/s QSFP, 1/10/25 Gbit/s Ethernet, and USB

3U form factor in a 19" rack-compatible design

FEATURES

- Extreme speed and continuous capture: Records up to 200 Gbit/s with seamless, lossless data flow, ensuring reliable capture of the fastest events
- High-endurance onboard storage: 8 TB of high-endurance SSD storage designed for continuous streaming and sustained throughput of large-volume image data
- Multi-camera connectivity and efficient workflow: Scalable support for up to eight cameras via eight dedicated 25G fiber-optic channels, fully compatible with all PCO CLHS camera models

