

# NEWS RELEASE

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*FOR IMMEDIATE RELEASE*

## **Photron Introduces the World's Fastest, Mega Pixel High Speed Camera – Up to 1 Million Frames per Second**

- Newest digital video camera provides a record-breaking 7,500 frames per second at 1,024 x1,000 pixel resolution

**January 15, 2009 – San Diego, CA – Photron, Inc.**, a leading manufacturer of high speed cameras and motion analysis software systems, introduces the newest member of their high speed imaging systems, the **Fastcam SA5**. The ground-breaking camera is based on Photron's Emmy-award-winning high speed video camera technology and provides an unprecedented 7,500 frames per second (fps) at mega pixel resolution (1,024 x 1,000). The new camera features a 12-bit monochrome (36-bit RGB color) sensor with twenty micron square pixels, delivering superior color fidelity and dynamic range. The stand alone, one-piece system offers unmatched light sensitivity, ISO/ASA 6400 as tested against ISO 12232.

The new Fastcam SA5 with 1-microsecond global shuttering is available in three memory configurations: 8 GB (up to .75 seconds record time at 7,500 fps and full resolution); 16 GB (up to 1.49 seconds at 7500 fps and full resolution); 32GB (up to 2.98 seconds at 7,500 fps, 1K x 1K). The remote control keypad with an RS422 connection is included with the built-in, 5-inch LCD screen for easy, computer-free operation. Photron's Fastcam Viewer (PFV) freeware is included along with the software developer's kit (SDK) for users who wish to integrate camera control, replay, and download to their existing software.

Photron's newest imager enables extremely high speed and/or low-light imaging tasks in areas of research that were previously dismissed as unsuitable for digital high speed video. Applications include PIV, inkjet, combustion, fluid dynamics, cavitation, materials research, aerospace, and more.

For more information about the world's fastest, high speed digital imaging system or more about other high speed imaging cameras and advanced image analysis software from Photron, please visit [www.photron.com](http://www.photron.com)

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**Photron USA, Inc. - San Diego, CA - ([www.photron.com](http://www.photron.com))**, founded in 1974, is a world supplier of photo-instrumentation, high speed image processing systems and photo optical technologies for the automotive, industrial manufacturing, film and television, medical and military markets. Products include standard and custom high resolution, high-speed cameras, software, and systems for R&D, commercial and defense-related motion image analysis applications.