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## PerkinElmer Announces New X-Ray Detectors for Easy Transition from Film to Digital in Radiography

**PerkinElmer will be showcasing an expanded portfolio of amorphous silicon (a-Si) and CMOS flat panel X-ray detectors at the Radiological Society of North America (RSNA) annual exhibition**

**WHAT:** [PerkinElmer](#), a global leader focused on improving the health and safety of people and the environment, introduced today the [XRpad™ 4336 wireless cassette detector](#) component for easy upgrade from film to digital, leading to better image quality and lower costs.

With over 20,000 detectors deployed as components of x-ray systems for medical, veterinary and industrial settings, PerkinElmer is a leader in innovative digital detector technology. The XRpad™ 4336 cassette detector is a wireless lightweight cassette-sized flat panel detector component suitable for the full range of digital radiography (DR) applications. It fits into a conventional table or wall-stand bucky, just like a film-screen cassette, for DR upgrades/retrofits, as well as new systems. It also provides exceptional image quality with a 15 million pixel image matrix, automatic exposure detection (AED), a best-in-class 100µm pixel pitch, and a directly deposited CsI scintillator for outstanding environmental protection and a sharper image.

“The XRpad™ 4336 detector addresses the primary concerns facing medical imaging today, enabling lower radiation dose and providing excellent image quality while reducing costs by making the transition from film to digital virtually seamless,” said Brian Giambattista, President, PerkinElmer Medical Imaging. “As we continue to develop our medical imaging portfolio, these enhancements are a testament to our commitment to improving both a-Si and CMOS X-ray imaging technology.”

**WHEN:** At the 2013 annual meeting for the [Radiological Society of North America \(RSNA\)](#) PerkinElmer will highlight an impressive portfolio of a-Si and CMOS flat panel detectors for digital radiology.

Please visit booth # 5342 to learn more about the following products in development for use as x-ray systems components:

- The [XRD™ 4343 R](#) 43cm x 43cm radiography and fluoroscopy a-Si detector. The enhanced performance provides outstanding imaging in x-ray systems for both fluoroscopy and radiography applications.
- The [DEXELA™ 2322](#) 23cm x 21cm CMOS detector component is designed for real-time medical imaging x-ray systems including mobile C-arm, cardiology and angiography. It employs large-area CMOS image sensor technology to provide excellent image quality even at low dose levels.
- The [DEXELA™ 1311](#) 13cm x 13cm CMOS detector. This high resolution, high speed, low noise detector with excellent sensitivity and image quality is designed to be suitable for incorporating into x-ray systems for breast biopsy and dental CT applications. The novel pixel design allows the detector to be used in 50µm or 100µm modes without degrading image quality. A high speed region of interest mode permits dental panoramic and CT imaging to be performed with the same detector.

### About PerkinElmer, Inc.

PerkinElmer, Inc. is a global leader focused on improving the health and safety of people and the environment. The company reported revenue of approximately \$2.1 billion in 2012, with 7,500 employees serving customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through 1-877-PKI-NYSE, or at [www.perkinelmer.com](http://www.perkinelmer.com).

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