
Varian Nexus DRF Digital X-ray System Cleared for USA



Varian Medical Systems has announced 510(k) clearance from the U.S. Food and Drug Administration (FDA) for Varian's diagnostic X-ray image processing workstation that combines radio frequency (RF) and digital radiography (DR) capabilities on one platform. Varian's Nexus DRF Digital X-Ray Imaging System™ has the ability to interface with a variety of image receptors, including CCD cameras and commercially available flat-panel image detectors.

"Nexus is Varian's 6th generation image processing platform," said Carl LaCasce vice president and general manager for Varian's Imaging Products business. "It's an updated platform designed to provide our customers with a universal system that addresses both dynamic and static imaging modalities, as well as CCD camera-based fluoroscopy.

The Nexus system enables an operator to acquire, display, process, transmit, export, or print high resolution X-ray images. The advanced image processing algorithms make it possible to bring out diagnostic details that can be difficult to see using conventional imaging techniques. The major system components include an image detector, a computer, a high resolution monitor, and Varian's proprietary image processing software. Each system can be set up to process data from multiple receptors and detectors.

"By integrating both RF and DR capabilities on the Nexus console, we seek to provide our OEM partners with a standardised platform to optimise workflow and reduce time to market and equipment costs," adds LaCasce.

Nexus builds on Varian's current i5 line of digital imaging software and workstation products, designed for installation into new or existing radiographic rooms or for use in mobile X-ray systems. It complies fully with the provisions of the European Union's RoHS (Restriction of Hazardous Substances) law.

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