

Technology Backgrounder

Diagnostic X-ray



Twenty years ago Philips introduced its first digital radiography system – the Thoravision, which led to better image quality and smoother workflow. Since then Philips has continuously been attentive to customer demands by focusing on patient care and profitability. This is proven by more than 6,500 installations worldwide of primarily the DigitalDiagnost, EasyDiagnost DRF (digital radiography/fluoroscopy) and MobileDiagnost wDR solutions.

Through the introduction of the DuraDiagnost*, Philips has expanded its portfolio of digital radiography solutions, featuring such benefits as customizable room configurations, the Eleva user interface and UNIQUE (Unified Image Quality Enhancement) image processing for improved economic value.

*Not available in the U.S.A.

Philips DuraDiagnost Not available in the U.S.A



At ECR 2013 Philips is introducing its new digital radiography system, DuraDiagnost, to the international market. (Not available in the U.S.A) This new family of DR products is an excellent solution for healthcare providers with a limited budget but a demand for fast digital workflow. The DuraDiagnost comes with a number of high-end Philips features, such as customizable room configurations, the Eleva user interface and UNIQUE image processing, for improved economic value.

With the DuraDiagnost, digital radiography rooms can be tailored according to clinician needs, from a dual-detector room to a versatile single-detector system. DuraDiagnost rooms are floor-mounted digital radiography systems and therefore fit in examination rooms with normal ceiling heights. Workflow features, such as a floating table top or default Source to Image Distance (SID) positions, simplify examination room processes.

“Digital radiography with DuraDiagnost from Philips has met with a great deal of approval in our radiology center – from our patients, from me and my fellow radiologists and especially from our technologists. The entire workflow process is fast, easy and efficient. We can now spend the time we gain with our child and adult patients.

DuraDiagnost meets both our medical and economic requirements. We can provide all our patients with personalized medical care and simultaneously remain within a reasonable budget.”

Dr. Kathrin Scharfetter, Medical Specialist for Diagnostic Radiology and Pediatric Radiology, Radiology Center Eppendorfer Baum, Hamburg, Germany

Philips MobileDiagnost wDR

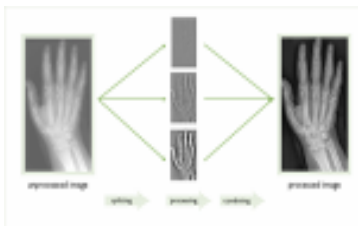


Philips MobileDiagnost wDR offers the superb quality and full efficiency of Philips' premium digital radiography rooms packed into a flexible and easy-to-manuever mobile X-ray system. It offers clinicians a portable solution so that immobile and critical patients can be easily reached. The MobileDiagnost wDR is available with two generator options – Performance and High Performance. With its high performance package and 40kW generator, the MobileDiagnost wDR delivers fast exposure times for challenging examinations, including critical, pediatric and bariatric patients.

“The MobileDiagnost wDR makes you feel that you’re a part of the future of X-ray technology,” said **Susan Doheny, Senior Radiographer, Galway Clinic, Galway, Ireland**. “Having the ability to send images wirelessly greatly improves efficiency. The radiologist can have the images reported within minutes, and this report can be made available throughout the hospital.”

The MobileDiagnost wDR is designed for the aggressive demands of busy medical facilities. Once the system is positioned around the patient, the MobileDiagnost wDR acquires images in just a few seconds and sends them wirelessly to the hospital network. The combination of the MobileDiagnost wDR system’s UNIQUE image processing algorithm and intuitive Eleva interface allows technologists to react swiftly and perform a multitude of difficult examinations with ease. The wireless portable detector can also be shared between mobile DR, DR and DRF modalities to create even more flexibility and cost efficiency.

Diagnostic confidence with UNIQUE



As image processing is of major importance in creating consistent, high-resolution image quality for all anatomical areas, Philips has always placed special emphasis on this area of radiography. At ECR 2013 Philips will again demonstrate the excellent image quality that Philips UNIQUE image processing software is able to achieve. Regardless of which digital Philips radiography modality the image is taken with, the parameters for all systems and

detectors are the same, and can be viewed and evaluated from any suitable monitor, providing flexibility and enhancing diagnostic confidence. UNIQUE image processing supports excellent X-ray dose management as well as workflow efficiencies.

Eleva concept – convenient and efficient



Philips continues to implement the successful Eleva concept for more Philips radiography and fluoroscopy systems, providing a convenient and efficient workflow for dedicated patient care. Designed in close cooperation with technologists, the Eleva user interface facilitates ease-of-use, because all functions are located exactly where users expect and want them. The touch-screen monitor workstation is equipped with tools and controls on a single user interface that is intuitive to use and requires minimal user interaction. Automatic parameter settings for each patient and a high degree of customization can expedite workflow. Furthermore, systems can be smoothly integrated into existing environments

due to Eleva’s state-of-the-art technology and embedded security standards.

For more information, additional materials and images go to the [Philips Healthcare news center](#).