

GE Healthcare

Definium 5000

Digital radiographic system



High-quality images. Low dose.

Fit for small spaces.

The Definium™ 5000 from GE Healthcare is the compact solution to digital X-ray. It incorporates GE's digital flat-panel detector technology to provide state-of-the-art image processing and high-quality digital images.

The Definium 5000 offers advanced features in one flexible package that fits into any practice:

- Digital image acquisition supports fast and efficient exams – eliminating time spent handling film and cassettes.
- Anatomical view-based digital image processing automatically optimizes and enhances image quality.
- Customizable image processing allows users to personalize the system.
- Automatic image store and print with DICOM 3.0 networking capabilities increase throughput and decrease examination times.
- Optional image paste for multi-image acquisition and reconstruction.

Easy to use. Easy to love.

With an intuitive user interface, this easy-to-use system helps speed workflow and productivity in your practice while reducing exam times. It features advanced applications that enhance image quality and user satisfaction:

- Auto Protocol Recognition automatically populates techniques per user, anatomy and patient size.
- Tissue Equalization enhances contrast without compromising image quality.
- Auto Shutter automatically detects collimator edges and presents an optimal field of view.
- Smart Window automatically determines optimum brightness and contrast for image display.
- Touch-screen single monitor for image display and system control.

Flexible for your practice.

The Definium 5000 is a cost-effective digital option with unmatched clinical flexibility. The floor-mounted design fits into a small clinical space, while the U-arm feature eliminates the need for ceiling support structures for X-ray tube suspensions.

Now you can handle the most challenging exams with the angling flexibility of the positioner. The U-arm rotates 150 degrees and the digital bucky receptor angles +/- 45 degrees to clearly capture anatomy.

The variable SID – 40 inches to 72 inches – enables comprehensive exams, from chest to supine and cross-table. Two variable SID grids located in the detector housing are conveniently stored within the bucky for easy access.

The Definium 5000 incorporates GE's proprietary digital detector, delivering high image quality with proven dose reduction compared to film or CR imaging. Now you can increase throughput and productivity with little or no manual manipulation.

The single-piece construction delivers crystal-clear images with maximum diagnostic information from every exposure – at the minimum level of patient dose versus film or CR imaging.

Manage patient data better than ever.

The Definium 5000 helps you handle ever-increasing patient data. Fully processed images can be automatically sent to the PACS review station in DICOM 3.0 format. GE Healthcare's extensive connectivity expertise eliminates data management frustrations with hundreds of potential PACS/RIS combinations.

The Definium 5000 is part of GE Healthcare's family of leading-edge digital X-ray products. With these advanced technologies, we continue to set the highest standard in X-ray imaging today - and tomorrow.

Operator controls at:

Control room CRIB, tube head, detector housing, IR remote (optional)



Patient-side controls



AEC or cassette modes



Angled imaging via U-arm and/or detector



Sitting patient exams



Table exams



Standing exams



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General Electric Company, doing business as GE Healthcare.

Healthcare Re-imagined

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world to discover new ways to predict, diagnose and treat disease earlier. We call this model of care "Early Health." The goal: to help clinicians detect disease earlier, access more information and intervene earlier with more targeted treatments, so they can help their patients live their lives to the fullest. Re-think, Re-discover, Re-invent, Re-imagine.

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imagination at work