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GE Healthcare

Definium 8000

Digital radiographic system



Heavier workloads. Less time per patient. More patient data. The increasing demand for better patient care. Digital X-ray helps you meet these challenges. And the GE Definium™ 8000 helps you meet them like no other system of its kind.

So many demands. So much flexibility.



The Definium 8000 digital radiographic system lets you conduct more exams per hour, allowing for immediate access to images within seconds and transmission to multiple locations with astonishing ease.

From image acquisition to interpretation to archiving, the Definium 8000 helps you maximize productivity and quality every step of the way.

Definium 8000 offers multiple configurations for ultimate flexibility, from a wall stand to a full, comprehensive radiographic room.

It combines excellent image quality with proven dose efficiency. Exceptionally fast processing speed. An easy, intuitive user-friendliness. New automated features and innovative clinical applications.

All this comes with GE's market leadership and experience in digital radiography, with thousands of digital X-ray flat panel detectors shipped worldwide. Complete control over system design and manufacturing for the utmost reliability. And one of the best customer care networks in the industry.



A host of automated features greatly enhances productivity, image quality and overall patient care – with the option to take advantage of GE's ever-growing list of advanced applications.

Definium is about getting the most done in the least amount of time. Thanks to impressive automated features, accelerated image processing, convenient interfaces and seamless data transfer, time is now on your side.

Set productivity

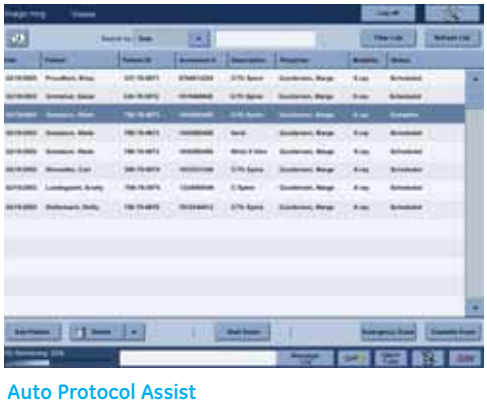
The Definium's many automated features help streamline your toughest exams. Consistent image quality helps reduce retakes, and industry-leading image processing saves even more time. With full DICOM 3.0 connectivity, the Definium connects easily to HIS, RIS or PACS systems for seamless, efficient data transfer.

OTS touchscreen display

A convenient touchscreen display located right at the overhead tube suspension allows for fast, easy setup and changes.



on automatic.



Auto Protocol Assist

Through the RIS interface, protocols are automatically selected and initiated, allowing the technologist to spend more time with the patient.



Auto Positioning

Automatically driving the Definium 8000 positioner into the selected protocol position dramatically increases technologist productivity and ease of use.



Auto Processing and Image Distribution

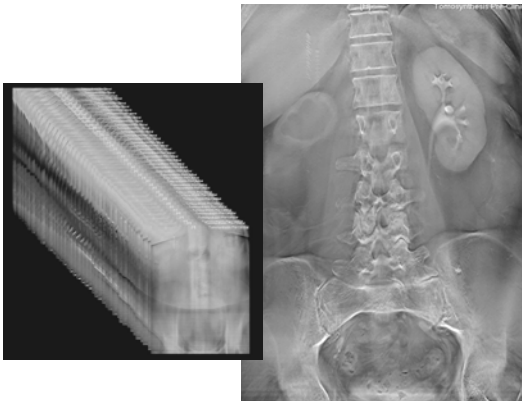
The Definium 8000 provides anatomy-based customization of images to match your clinical preferences. After initial QC, images can be automatically sent to the desired locations on your network.

Your department does everything possible to provide exceptional patient care. Shouldn't your digital X-ray system do the same?

Redefining

Auto Image Paste. VolumeRAD. Tissue Equalization. Dual Energy Subtraction. These are some of Definium's comprehensive advanced applications that help you increase clinical confidence – and ultimately provide the highest possible level of patient care.

No other system provides such a complete and innovative range of applications. Offering flexibility for today – and for the changing needs of tomorrow.



VolumeRAD

Providing up to 60 individual planes in a single acquisition, VolumeRAD takes tomography to another level.

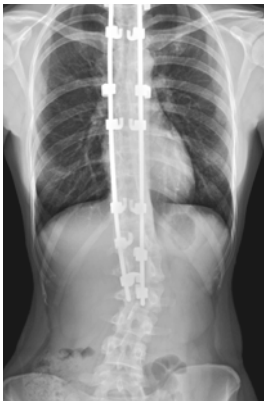




Tissue Equalization

By allowing both low-density and high-density tissue to be displayed in a single view, Tissue Equalization provides optimum contrast for exceptional image quality.

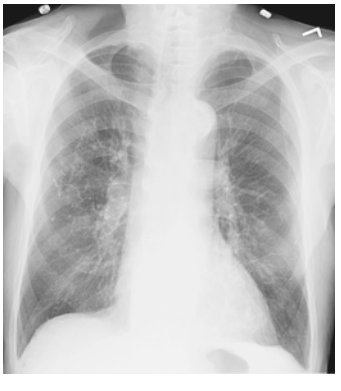
X-ray.

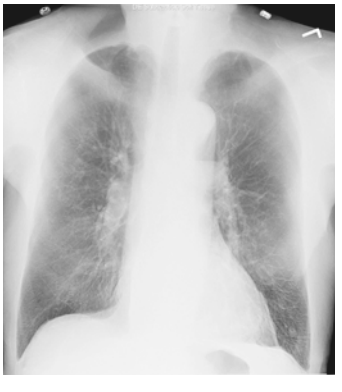




Auto Image Paste

Auto Image Paste allows up to five images to be automatically acquired and stitched at the Definium's console. So long bone or spine exams can now be completed in seconds.







Dual Energy Subtraction

An advanced clinical technique that eliminates bone obstruction from chest or abdominal images, Dual Energy Subtraction provides a standard PA radiograph, a soft-tissue-only image with the bones removed, and an image of the bones, foreign objects and calcified abnormalities.

Seeing

To make an accurate diagnosis, you need high-quality images. Which can only come from an advanced detector. GE's flat panel digital detector provides that by combining high image quality and proven dose reduction, while enabling advanced clinical applications. Now that's innovation.

GE's flat panel digital detector offers high X-ray absorption and patented low-noise electronics to take full advantage of the available signal while actually reducing dose. The detector is configured to accommodate advanced clinical applications for enhanced image accuracy and flexibility.

It all adds up to images as close to picture-perfect as possible – and maximum diagnostic information from every exposure.



The Definium's digital detector delivers high image quality with proven dose reduction.



Just how fast is it? High-end electronics allow the flat panel digital detector to acquire multiple images per second. How's that for enhancing throughput?

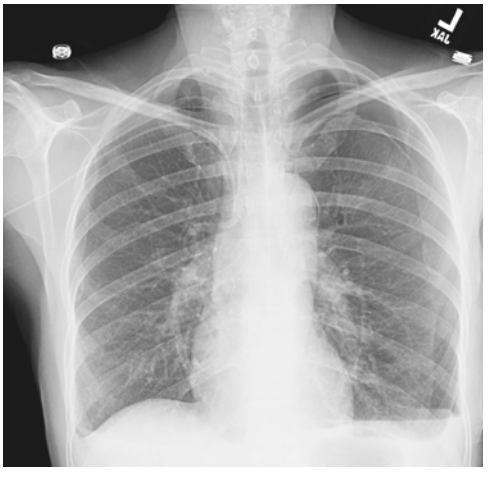
is believing.



Lateral skull



Lateral cervical spine



PA chest



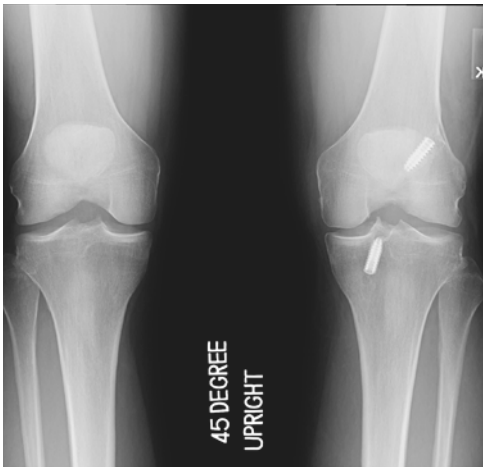
AP abdomen



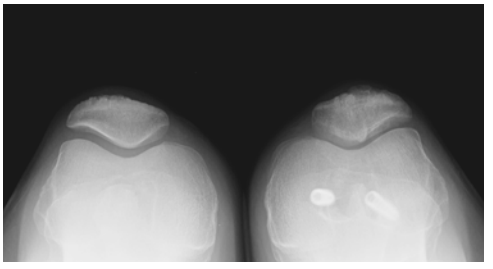
Lateral lumbar spine – spot view



AP pelvis



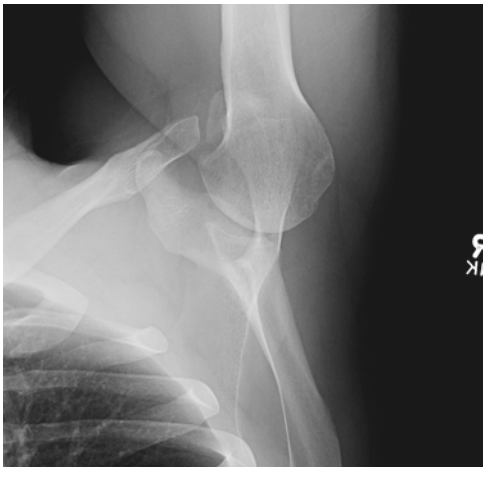
Bilateral standing knees



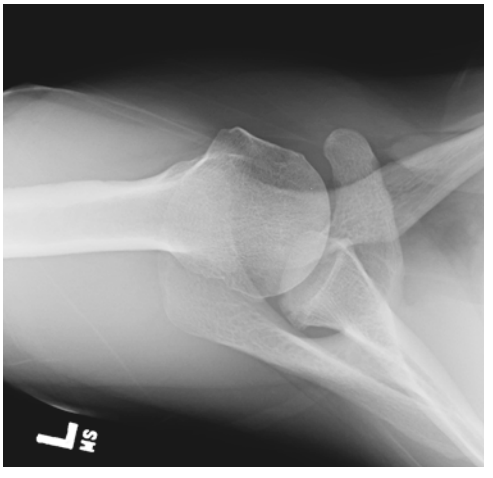
Bilateral patella – sunrise view



Lateral right calcaneus



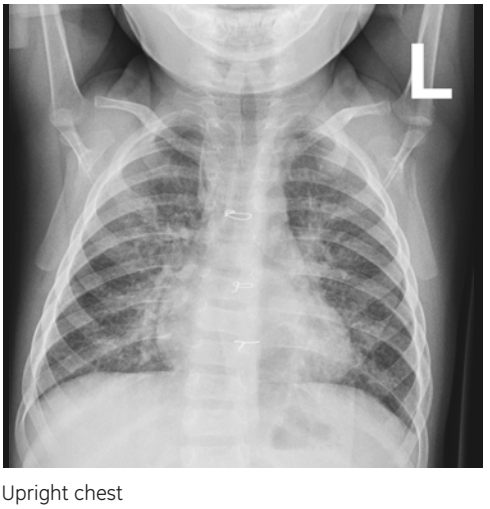
Right shoulder



Left shoulder – axial view



PA left hand



Upright chest



AP abdomen – UGI follow-up



Auto Image Paste

GE Flat Panel Detector enables fast acquisition of multiple images, resulting in reduced acquisition time. GE's new Auto Image Paste software allows users to acquire up to 5 separate images for scoliosis or lower extremity exams with automatic pasting at the console.

To better meet your specific needs, the Definium is available in a broad range of configurations, with a full complement of accessory options.

Several configurations. Only one Definium.



Tilting wall stand with mobile stretcher.



Vertical tilting wall stand.



Elevating table and tilting wall stand.



GE's Professional Services provide support at all phases. GE Healthcare provides equipment performance and management solutions with unprecented flexibility so you can optimize technology, utilization, and asset availability throughout the lifecycle of your digital radiography equipment.

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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

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