

GE Healthcare

Discovery XR650

Digital radiographic system with
advanced clinical capabilities



Discover advanced diagnostic power in a digital radiographic system that saves you time, fits your unique clinical needs, and helps you deliver top-quality care.

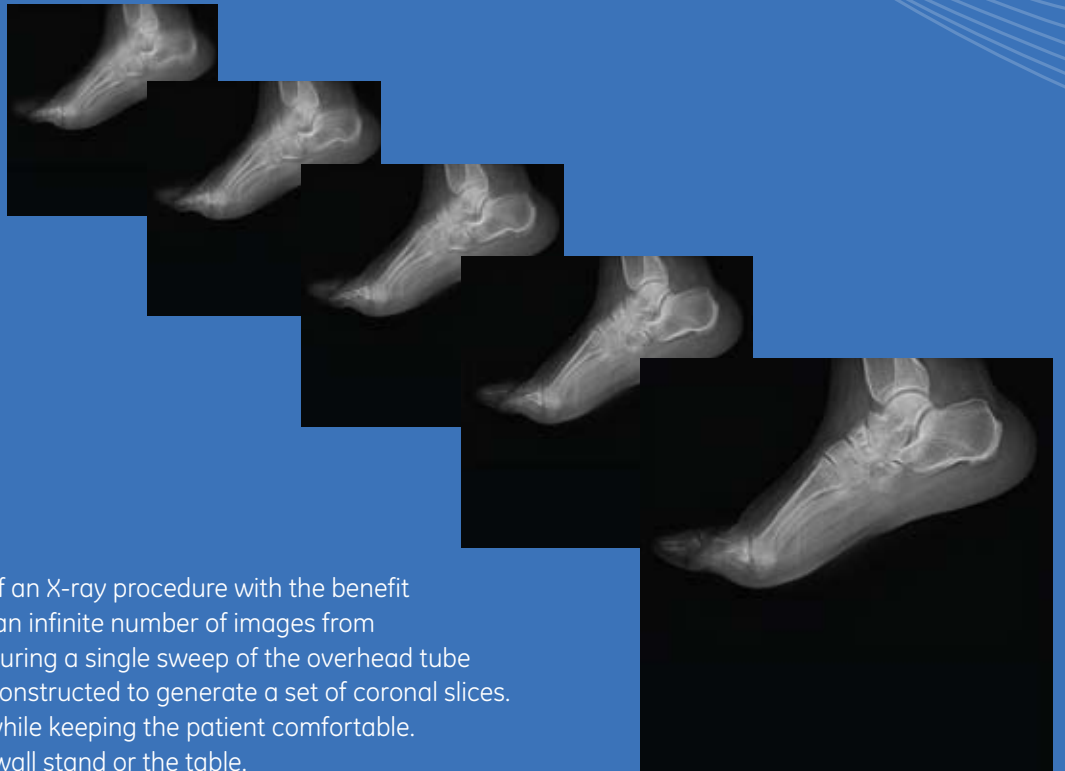
The Discovery™ XR650 X-ray system lets you see patients in new ways. At the heart of the Discovery XR650 are advanced applications that help you maximize clinical confidence and unlock the power of digital radiography. Multiple configurations for additional flexibility. And an excellent service support network – always at your side.



Discovery

Bringing new
dimensions to X-ray

At the heart of the Discovery XR650 are unique advanced clinical capabilities that help you maximize clinical confidence.



VolumeRAD™

VolumeRAD unites the advantages of an X-ray procedure with the benefit of a multi-slice presentation. Create an infinite number of images from ultra-low-dose exposures acquired during a single sweep of the overhead tube assembly. This set of data is then reconstructed to generate a set of coronal slices. You get the clinical views you need while keeping the patient comfortable. Sweeps are performed either at the wall stand or the table.

Sweep

Unlock the true power of

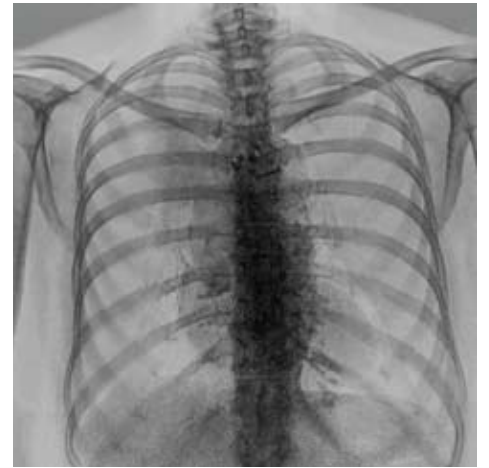


Tissue Equalization

The wide dynamic range of the GE flat-panel detector, combined with GE's advanced algorithms, lets you display both low- and high-density tissue in a single view, with a single exposure. The resulting image provides excellent contrast and quality, even in dense, hard-to-visualize regions, with no compromise in the primary regions of interest. You get a high level of diagnostic information without window/leveling.

Slice

digital radiography.

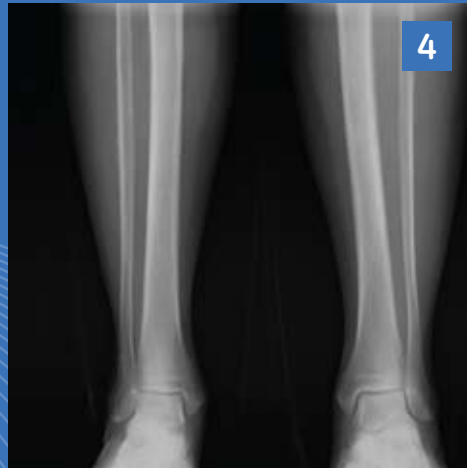
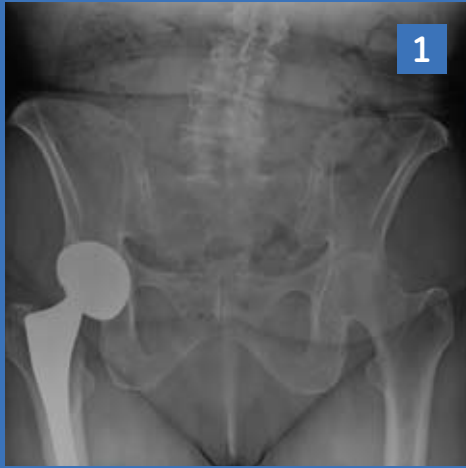


Dual Energy Subtraction

From a single exam, view your anatomy differently. Acquire two images within milliseconds at different energy levels. Subtract and view:

- A standard radiographic image
- An image with bones “subtracted” for an unobstructed view of soft tissue
- An image of the bones to highlight foreign objects or calcified structures

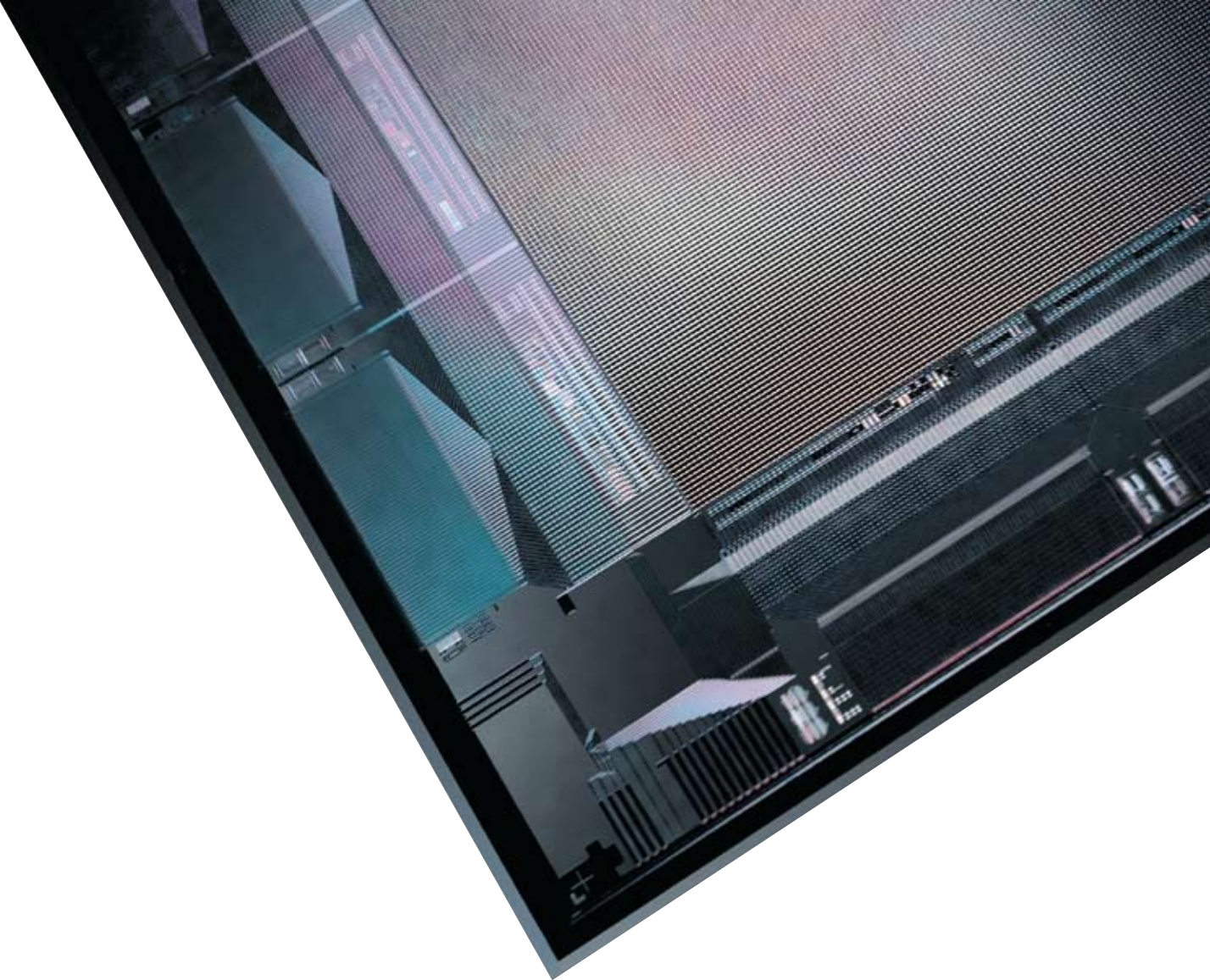
Subtract



Auto Image Paste

Get seamless long-bone or spine images in one fast, highly automated exam. You can perform these exams at the wall stand or – for patients with special needs – at the table. Your Discovery XR650 system can acquire up to five images on the wall stand and up to three images at the table. Then, the system can combine them into one composite image for easy diagnosis.

Paste



Lead with innovation

To help make an accurate diagnosis, you need high quality images – which come from GE's flat panel digital detector. It combines high Detector Quantum Efficiency (DQE) with dynamic acquisition capabilities to enable advanced clinical applications. Now that's innovation.

GE's exclusive flat panel digital detector delivers high image quality with efficient 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 increased diagnostic information from every exposure.



Tilting wall stand with mobile stretcher



Elevating table and tilting wall stand



Vertical tilting wall stand

Your patient population is unique. Now choose the configuration that best meets your clinical and workflow needs. Perform your most challenging studies with ease, in less time.

Wheelchair patients? Physical limitations? Elderly? Trauma patients? The Discovery XR650 lets you image them efficiently and comfortably. Configuration choices let you match your clinical needs.

A handheld infrared remote lets technologists control major system functions and change set-ups for multiple exams without leaving the patient's side.

Configure your table with a removable detector for the ultimate positioning freedom. Attach at either the front or rear of the table, so it won't interfere with patient positioning.

Breaking through barriers



Discovery XR650 is about more than just getting the most done in a short amount of time. It's removing the barriers that can inhibit your workflow. Thanks to an impressive set of clinical applications, accelerated image processing, convenient interfaces and seamless data transfer, workflow is now controllable.

The Discovery XR650's many features streamline your toughest exams. Consistent image quality helps reduce retakes, and unique image processing saves time. With DICOM connectivity, the Discovery XR650 connects easily to HIS, RIS or PACS for efficient data transfer.

Overhead Tube Suspension touchscreen display

A convenient user interface located at the overhead tube suspension allows for fast, easy set up and changes.

Auto-Positioning

Automatically drive the overhead tube suspension, wall stand and/or table to pre-set positions. Increase productivity and ease of use.

Repeat/Reject Analysis (RRA)

Evaluate staff performance and quality assurance efforts by capturing exam performance.

Auto-Protocol Assist (Optional)

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

Auto-Processing and image distribution

The Discovery XR650 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.

Our service experts are there for you.

GE Professional Services provide you with total support at all phases. From room design and layout to equipment installation, connectivity and maintenance, our experienced team can help you through the entire process. We also offer a variety of value-added services, like applications and staff training, on-site service, and remote online equipment monitoring and support. Our InSite remote system diagnostic service support takes service one step further: It helps diagnose problems without a Field Service Engineer on site, saving you time and money. Better still, our iLinq™ service lets you summon immediate help with one click on your console.

In addition, GE HealthNet Services (available in the USA) can provide physical network connectivity solutions, including network components and physical installation.

Our services are designed to help you get – and stay – up and running quickly and efficiently.







Relax,
we've got
you covered







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General Electric Company, doing business as GE Healthcare.

Due to continuous product improvements, product features may vary from those shown in photographs. Please reference the product data sheet for the latest product specifications.

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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