

Simplify workflow and improve image consistency

with the Definium™ 6000 to Definium Tempo Lift



Take on today's biggest radiology challenges

Reducing technologist burden, increasing throughput, and improving diagnostic confidence are all goals of the radiology department. When you upgrade your Definium 6000 X-ray system to a Definium Tempo through the Tempo Lift program, not only will you be maximizing your investment in your current system, you'll be positioning your team for success in achieving these critical objectives.

What's a Lift?

The Lift program is a smart, sustainable upgrade that entails reusing components from your current system and giving you credit for components harvested. Because you're updating your existing system, there are also install and warranty savings that can result in a cost that's more than 20% less than a completely new system¹. You'll also have less downtime than you would if you installed a completely new system.

With this Tempo Lift program your system will be transformed to a Definium Tempo Plus.

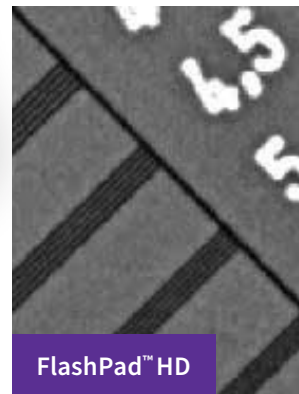
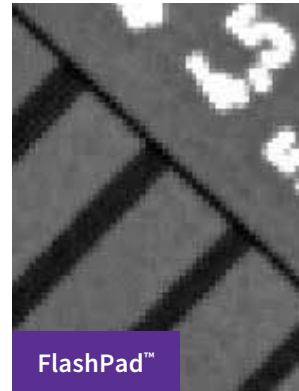




Upgrade overview

Get ready to lessen technologist burden, add workflow efficiencies, and improve image quality. When upgrading to Definium Tempo, customers with a Definium 6000 will get:

- A choice of one or more new **FlashPad™ HD wireless detector(s)** [↗](#), which boast smaller, more densely packed pixels to quadruple image resolution
- New **Helix™ advanced image processing software** [↗](#) for clear, crisp images
- **New acquisition software** [↗](#) with workflow enhancements
- OTS improvements include a new **12-inch touchscreen console** [↗](#) that enables **in-room workflows** [↗](#) allowing technologists to stay close to the patient while finishing all exam setup and positioning work and **two axis motorization** [↗](#)
- **A live streaming camera** [↗](#) on the tube head that is displayed at the acquisition workstation for improved patient monitoring
- **Table improvements** [↗](#) that include 59% more weight capacity, 7% more coverage, and more grid options so you can serve a broader patient population
- **Wall stand improvements** [↗](#) that include **reverse tracking** [↗](#) to reduce technologist walking steps and manual exertion
- New fleet management features, including the **cybersecurity package** [↗](#)
- Free enhancements to already purchased advanced applications
- The option to add advanced applications like Angulated **Auto Image Pasting** [↗](#) and **Dual Energy Subtraction** [↗](#), if not yet owned
- The option to add out-of-room exam workflow enhancements like the **Intelligent Workflow Suite** [↗](#) or on-device decision support software



Boost image quality with new detectors and software

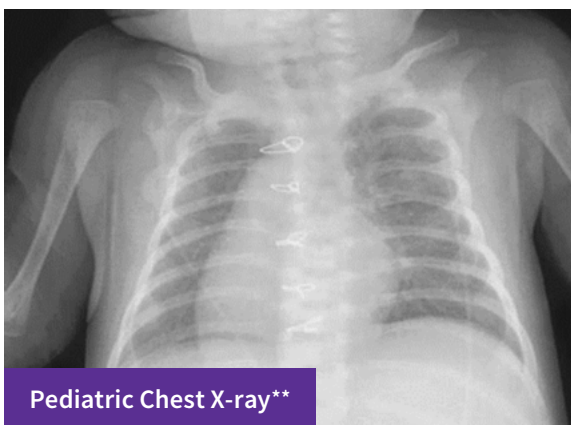
Your Tempo Lift leverages FlashPad HD wireless detectors and AI-driven image processing to reduce variability and provide optimal image quality.

FlashPad HD detectors have several advantages over the previous 41 x 41 cm (16 x 16 in) detectors.

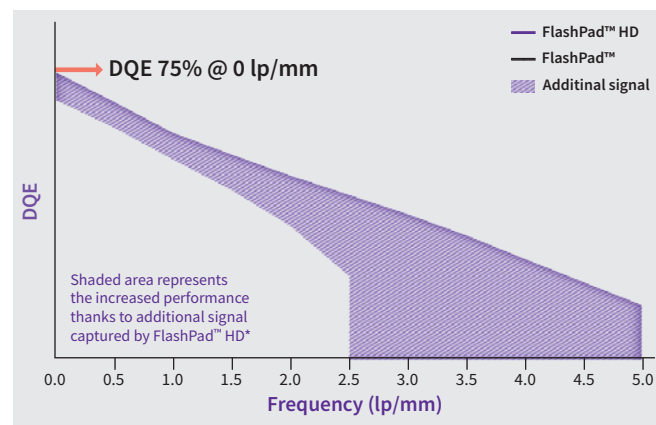
- Improved image quality (IQ) and clarity with 4x the resolution
- 75% detective quantum efficiency (DQE) for better low dose imaging (improved from 65%)
- More choices in size: 25 x 30 cm (10 x 12 in), 35 x 43 cm (14 x 17 in), and 43 x 43 cm (17 x 17 in)
- Lighter weight at only 3.8 kg (8.4 lbs) for better ergonomics
- No tether — they're wireless

When coupled with FlashPad HD detectors, **Helix 2.2 Advanced Image Processing** improves small detail detectability by up to 40%² and delivers improved image consistency, despite variations in exposure technique and challenging exam conditions. Features include:

- Anatomy-specific image enhancement
- Excellent imaging around metal implants
- AI brightness and contrast to deliver improved image consistency with 59 anatomy/view combinations
- Local contrast enhancement to improve spine visualization and lung detail
- Detail preserving noise filter to help reduce noise levels



Pediatric Chest X-ray**



Hardware upgrades that lighten technologists' workload

OTS improvements

Updates to the OTS also help facilitate faster throughput.

- A new **12-inch touch screen-enabled OTS** allows technologists to stay close to the patient while finishing setup
- **Two-axis automation**, rather than one-axis automation, allows for greater efficiency and decreased manual exertion
- A **tube head light** improves workflow by indicating adjustments are needed before technologists leave the room

Table improvements

Table upgrades with the Tempo Lift program improve durability, help you accommodate a wider range of patients, and help technologists move patients into position more easily.

- Increased patient static weight load by 59% (220 kg to 350 kg; 485 lbs to 771 lbs)
- Increased patient coverage by 7% (175.3 x 59.9 cm to 183.9 x 61.0 cm; 69 x 23.6 in. to 72.4 x 24 in.)
- More grids options (100 cm, 110 cm, 120 cm) compared to only 100 cm
- Carbon fiber tabletop is more durable than previous table, and has a rotating bucky to accommodate square and non-square detectors and **QuickCharge** capabilities for the wireless FlashPad HD detector

Wall stand improvements

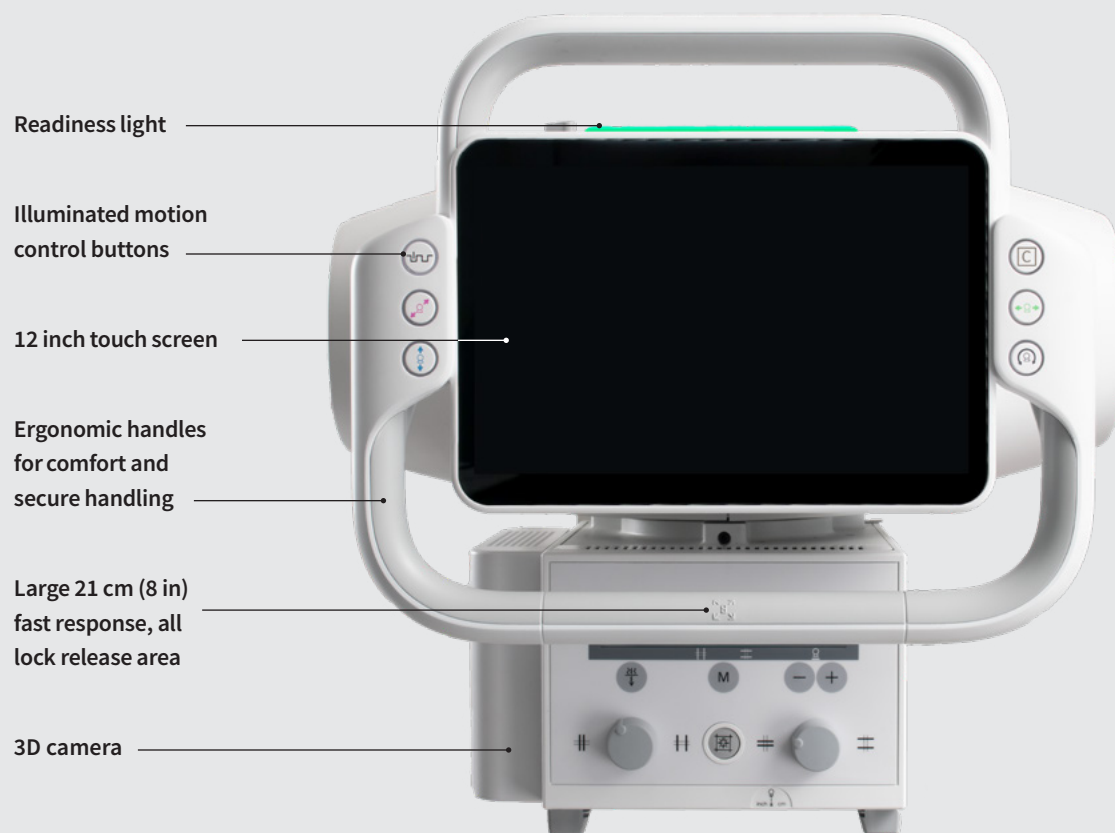
Technologists can work faster and with less physical effort with improvements to the wall stand.

- **Light ring** indicates exposure and system readiness, helping save technologist steps
- **Reverse Tracking**, in which the wall stand automatically moves to follow the OTS, makes patient alignment easier by reducing technologist walking steps and physical exertion
- Left or right insert options let technologists choose which side to have the detector inserted
- Rotating bucky accommodates square and non-square detectors and has **QuickCharge** capabilities for the wireless FlashPad HD detector
- More grid options (100 cm, 120 cm, 180 cm) for higher-quality images
- **Optional extended arm** for easier positioning with stretcher patients



The most technologically advanced, ergonomic, and usable tube head console you can get.

The 12" touch screen UI on the **OTS console** [☑] delivers full functionality of work list management, exam setup, protocol selection, positioning setup, and technique modification. This technology allows the technologist to finish the exam setup and positioning while remaining close to the patient.



Complete Workflow Control [☑] in The Exam Room

Definium Tempo allows technologists to do everything they need at the patient bedside without having to walk back and forth to the acquisition workstation outside the room. It combines an exceptional user experience controlled at the tube head touch screen and automated component positioning to reduce the amount of movement and manual work required by technologists.

“You can do everything in the room which is pretty amazing and you save a lot of time that way.”

— Indranantha Kumar, X-ray Technologist,
North Central Bronx, NY

See more patients with a streamlined workflow

The Tempo Lift upgrade for your Definium 6000 includes a redesigned user interface (UI) that requires fewer clicks plus additional innovative features that converge to assist technologists in delivering fast, thorough, and accurate exams. You'll enjoy:

- A **common layout** for a workflow consistent with the latest GE HealthCare mobile radiography systems
- A customizable menu with quick-access tools
- An intuitive 24-inch, high-resolution touchscreen UI
- **QuickEnhance** for reprocessing images with a custom look with just one touch

- **Real-time IP Looks** for faster, easier fine-tuned image look customizations
- **IQ Compare** for simultaneous viewing of standard and customized looks to simplify comparisons
- Lightning-fast imaging when you can get a preview in one second (reduced from 5 seconds) with similar image quality to the final image
- Super-fast data access and the ability to store more than 17,000 images



Focus on patient care with improved security and management

Due to increased risk of cyber attacks, malware, and security vulnerabilities, your Tempo Lift package includes our latest **security software**. You'll also find time-saving improvements in software management.

Features include:

- Anti-virus protection for malicious software
- Data encryption at rest and in transit
- **Remote software download** capabilities that allow you to install critical software updates with minimal downtime
- Intelligent calibration that slashes full calibration time from 70 minutes to 18 minutes
- 30-day Quality Assurance Procedure (perform quality checks once a month instead of once a week)
- Multiple language support (UI and protocols can be displayed in Chinese, Japanese, or Korean)



Optional add-ons for state-of-the-art imaging

Advanced applications

For those who already own the advanced application, enhancements are included for free with the Tempo Lift upgrade.

If not already owned, the following applications may be optionally purchased:

Auto Image Paste[†]

Creates images that extend beyond the size of the detector with a single, highly automated procedure at the table

Auto Spine[†]

An intelligent algorithm that follows the contour of the spine for vertical equalization enabling a natural balance of brightness and contrast along the patient body

Angulated Auto Image Paste algorithm[†]

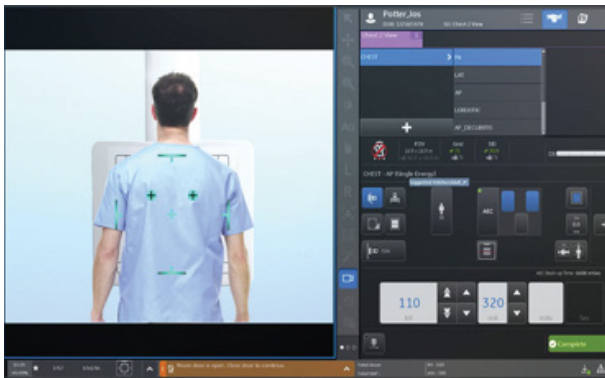
Enhances the success rate of Auto Image Paste

Dual Energy Subtraction[†]

Separates soft tissue and bone structures to allow detection of abnormalities possibly obscured in a conventional radiograph

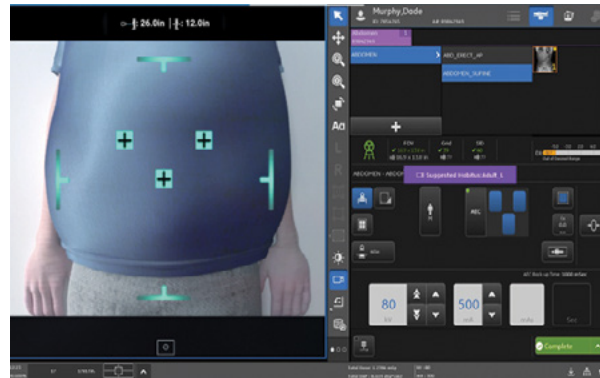
Out-of-room workflow enhancements

Enabled by the live-streaming camera on the tube head, the **Intelligent Workflow Suite** combines computer vision, video analytics, and precision engineering to deliver a solution for common errors. The Intelligent Workflow Suite[†] includes:



Position Assist[†]

Shows the detector boundaries, ion chamber locations, and active ion chambers so you can avoid position-related retakes.



Technique Assist[†]

Measures the thickness of the patient and, using a database of programmable sizes, suggests a size optimized to the specific patient. This helps create more consistent images for your patient population.



Patient Snapshot[†]

Takes an optical picture at the same time as the X-ray exposure. The system then optionally attaches the picture as a secondary DICOM capture when sent to the PACS, providing context to the radiologist.

Optional add-ons for decision support

The upgrade also includes the option to add on AI-enabled software packages for decision support.

Leverage AI for image consistency and reduced retakes



Quality Care Suite[†]

Provides real-time, on-device, automatic quality checks for frontal chest X-rays with Intelligent Auto Rotate, Intelligent Protocol Check, and Intelligent Field of View



Critical Care Suite 1.0[†]

The world's first collection of on-device AI algorithms for automated measurements, case prioritization, and quality control



Repeat-Reject Analysis[†]

Zero in on root causes, enhance training, drive efficiency, and help reduce unnecessary dose when you connect to compatible X-ray systems and use web-based dashboards to manage quality assurance

Leverage data to improve equipment utilization and remote services to maximize uptime



iCenter[†] through remote connectivity

Use the full power of healthcare data analytics to optimize use of your X-ray equipment and benchmark performance



OnWatch[†] remote service

90% of service calls are diagnosed or fixed remotely in less than 30-minutes

Inquire about the Lift program today!

There are many reasons to update your Definium 6000 through the Tempo Lift program. Whether you're looking to ease your team's physical workload, reduce acquisition errors with AI-enabled solutions, or increase patient accessibility, the Tempo Lift provides a sustainable answer to new workflow and technology capabilities designed to help you do it all.

Talk to your GE HealthCare representative about what an upgrade would look like for you.



GE HealthCare

About GE HealthCare

GE HealthCare is a leading global medical technology, pharmaceutical diagnostics, and digital solutions innovator, dedicated to providing integrated solutions, services, and data analytics to make hospitals more efficient, clinicians more effective, therapies more precise, and patients healthier and happier. Serving patients and providers for more than 100 years, GE HealthCare is advancing personalized, connected, and compassionate care, while simplifying the patient's journey across the care pathway. Together our Imaging, Ultrasound, Patient Care Solutions, and Pharmaceutical Diagnostics businesses help improve patient care from prevention and screening, to diagnosis, treatment, therapy, and monitoring. We are an \$18 billion business with 51,000 employees working to create a world where healthcare has no limits.

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The Definium Tempo Lift program replaces your existing Definium 6000 system with a Definium Tempo Plus system. The word upgrade used in this document refers to raising the quality or usefulness of a given component / feature / function.

The Definium Tempo Lift is not commercially available in all markets. Check with your local GE Healthcare representative for availability in your country.

† Indicates optional features

*Source: GE whitepaper: High resolution for improved visualization (DOC2045904).

Source: A Typical DR/CR technique for a 0-6mo. AP Chest is 63kVp/1.6mAs* *A paediatric X-ray exposure chart"; Stephen P Knight; Journal of Medical Radiation Sciences, 2014.

References:

1. Cost savings based on GE HealthCare data.
2. GE HealthCare data on file (DOC2045904).

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