

Rapid. Efficient. Accurate.

SMART IMAGING SOLUTIONS

Faster Long-Length Exams with a Single Exposure.

Capturing high-quality long-length leg and spine images can be difficult, especially for pediatric patients or individuals with limited mobility who may struggle to remain still for extended periods.

The DRX-LC Detector enables capture of long-length images with a **single exposure**. This reduces dose, saves exam time, speeds workflow, decreases repeats, and improves patient comfort.

The detector is enabled by ImageView Software with Eclipse, our most advanced software platform, delivering best-in-class performance to save time, enhance productivity, and elevate patient care.

Now featuring advanced technology and leveraging AI, the system delivers consistently high-quality, low-dose images with every exam.



Advantages at a Glance

- Drastically reduces hold time and improves patient comfort by capturing long-length images in less than one second.
- Improves workflow efficiency with less setup time than multi-shot exams, while reducing post processing steps and repeats due to patient motion.
- Large 17" x 48" field of view delivers a single, unified image for more accurate measurements and better treatment planning.
- Carestream Detector Exposure Control (DEC) automatically optimizes exposure for consistent, high-quality imaging.
- Smart Noise Cancellation (SNC) enables lower radiation dose without loss in image quality.
- Compatible with Carestream DRX systems, enabling seamless sharing across room, mobile, and retrofit systems.



Meet the LLI Detector that Boosts Productivity While Enhancing Patient Comfort.

The DRX-LC Detector delivers long-bone and spine imaging for hospitals, imaging centers and orthopedic practices looking to increase efficiency and improve their standards of care.

Workflow Productivity.

Streamline exams from start to finish. Images are available for preview within seconds, while single-shot capture eliminates the need for stitching and reduces retakes caused by patient movement between exposures in multi-shot acquisition.

Improved Patient Care.

Single-shot acquisition reduces patient hold time and minimizes discomfort, while decreasing dose exposure. Speedier exams enable faster diagnosis and timely treatment.

Imaging Excellence.

The DRX-LC Detector combines Eclipse Image Processing and a cesium iodide scintillator to deliver the pristine radiographs that are required for diagnostic confidence and accuracy.

Exceptional Versatility.

The DRX-LC Detector incorporates the power of X-Factor thinking – it's fully shareable with Carestream DR rooms, mobiles and retrofit systems. So it can always go where it's needed most, to handle shifting patient volume and maximize productivity.

Advanced Technology for Smarter Imaging.

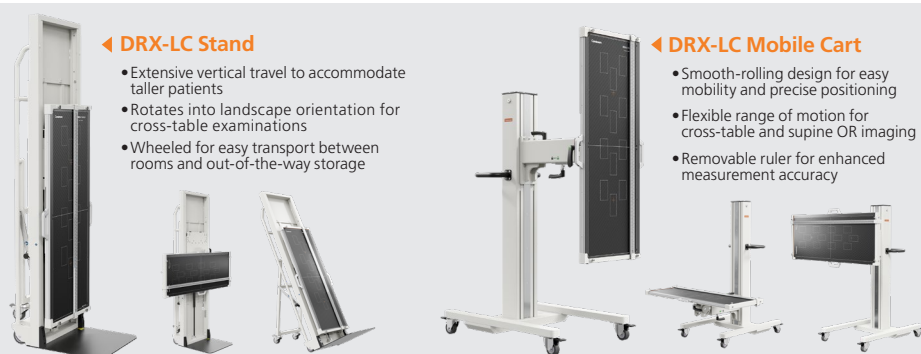
Carestream Detector Exposure Control (DEC)¹ technology, integrated directly into the detector, automatically adjusts exposure settings for each exam—bringing the benefits of traditional AEC to any imaging environment to not only streamline workflow, but also deliver consistently high-quality, properly exposed images for greater diagnostic confidence.

Smart Noise Cancellation uses AI and machine learning to optimize image quality. Traditional noise reduction often introduces image blurring, which can degrade sharpness and remove important anatomical information. Performance validated in an internal study with **50% dose reduction** from 220 IEC EI on average.²

Position for Performance.

Enhance flexibility and workflow efficiency with an optional accessory ecosystem designed to maximize mobility and enable versatile positioning and imaging across diverse clinical environments.

- **Mobile Cart:** Rotates 90 degrees to the right, left and upwards for easy positioning in the OR.
- **Mobile Stand:** Extensive vertical travel to capture images of even the tallest patients.
- **Weight Bearing Cap:** Supports up to 200 kg (500 lbs) enabling supine long-length imaging.
- **Grid:** Anti-scatter grid designed to reduce scatter radiation for clear, high-quality images.



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"Rx only"

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System Benefits.

Patients

- Reduces exam time for a faster, smoother experience.
- Improves comfort with shorter hold times and quicker image capture.
- Lowers radiation exposure with a single capture compared to multi-shot exams.

Radiographers

- Simplifies positioning and streamlines workflow with full-length images captured in a single exposure.
- Reduces retakes and post-processing steps due to patient movement compared to multi-shot imaging.
- DEC automates exposure settings, helping deliver consistent image quality and enabling a faster, more efficient workflow.

Radiology Administrators

- Speeds exam times and frees up exam rooms faster, allowing more patients to be imaged.
- Enhances service delivery and operational flexibility with support for diverse patient positions and clinical settings.
- X-Factor enhances versatility and ROI by enabling seamless sharing across DRX room, mobile, and retrofit systems.

Physicians

- Provides a single, unified image, enabling more accurate measurements and greater confidence in treatment planning.
- DEC ensures consistent exposure, supporting reliable image quality across exams.
- SNC reduces image noise while preserving fine detail, producing clearer, easier-to-read images.



Eclipse: The New Gold Standard in Image Processing.

Carestream's Eclipse image processing engine uses proprietary algorithms and artificial intelligence to power our DR and CR software for superb image quality and unrivaled diagnostic confidence. It's the foundation for a wide range of image processing capabilities and advanced applications. Harness the power of decades of innovation and explore the new benchmark in image processing software.

¹ Carestream Detector Exposure Control (DEC) is an optional feature and may not be compatible with all systems or configurations.

² These statements were validated using Carestream CsI detectors in reader studies conducted by board-certified radiologists. Pairwise comparisons were performed between images at nominal exposure dose without SNC, and at 50% reduced dose with SNC. The reduced-dose images included live patient images with simulated dose reduction, as well as images of human cadavers and anthropomorphic phantoms obtained using actual reduced-dose X-ray exposures. SNC performance was further confirmed using a CDRAD phantom. IEC EI values on average at nominal and reduced dose were 220 and 110, respectively.

Not all products and functionality are available in all countries, speak to your sales representative for details on availability.

Carestream