Carestream

Lux HD 35/43 Detectors

Clear. Consistent. Confidence.

Easy, Consistent Imaging - Today and Tomorrow.

Our new Lux HD Detectors are built to handle the needs of busy hospitals, imaging centers, and clinics to help deliver consistent, high-resolution images while enhancing workflow efficiency and streamlining the imaging process for technologists.

Their lightweight, ergonomic design combines powerful performance with a suite of advanced features, helping to ensuring consistent exposure, exceptional image quality, a more efficient workflow, and an enhanced imaging experience for both patients and users.

Advantages at a Glance

- Lightweight, glass-free, and durable design features an all-around grip for easy handling, minimizing strain on technologists and reducing the risk of drops.
- 100µm pixel pitch delivers high-definition images with exceptional clarity and fine detail.
- Carestream Detector Exposure Control (DEC) automatically adjusts exposure for optimal image quality, ensuring reliable and consistent imaging.
- Available in two sizes, 35x43cm and 43x43cm to support diverse imaging needs..

Lux HD 35/43 Detectors

Modern Detectors for a Modern World.

For hospitals, imaging centers, and clinics seeking a more efficient, user-friendly workflow and precise, high-quality imaging, Carestream introduces the new Lux HD Detectors. These powerful detectors deliver consistent, high-definition clarity in a robust, easy-to-handle package.

Lux HD Detectors feature a sleek, lightweight design with an all-around grip to reduce technologist fatigue. Their durable construction offers exceptional protection against dust and fluids, ensuring optimal uptime and fewer imaging disruptions.

Clarity You Can Trust

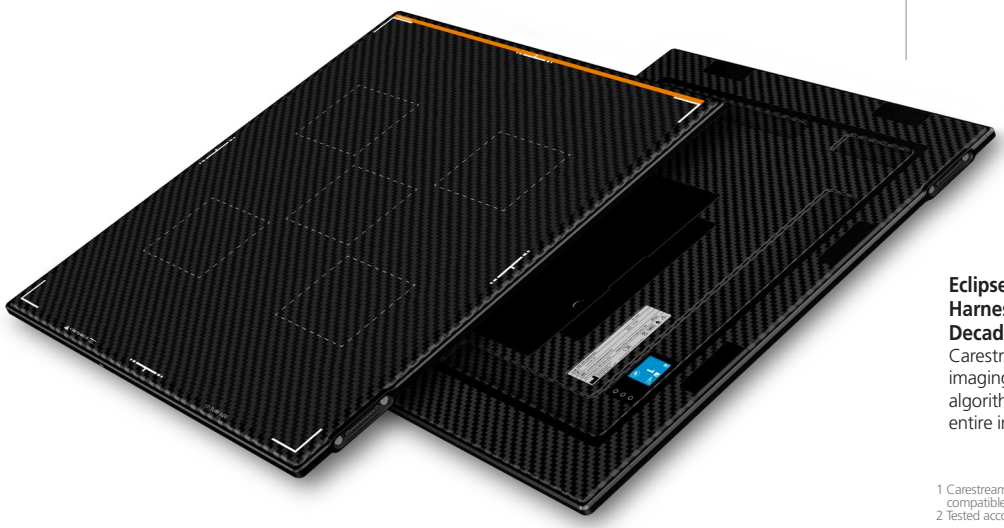
With a 100-micron pixel pitch, Lux HD delivers exceptional image clarity—capturing sharper edges, detailed anatomical structures, and subtle abnormalities with precision. This high-resolution performance supports confident diagnostic decisions and enables better care.

Advanced Technology for Smarter Imaging

Lux HD Detectors are packed with cutting-edge technology to streamline workflow and elevate imaging performance. **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.

Key features include:

- **Lightweight:** Enables easy, strain-free handling.
- **100µm Pixel Pitch:** High-resolution images with exceptional clarity.
- **Detector Exposure Control (DEC):** Ensures consistent, accurate exposure.
- **IP67 Protection:** Exceptional dust and fluid resistance.
- **1.5m Drop-Tested**[3]**:** Rugged design for reliable performance.



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Everyone Benefits.

Patients

- Rounded edges and ergonomic design ensure smoother, more comfortable positioning behind patients.
- Its lightweight design makes it easier for patients to hold the detector when their assistance is needed.
- DEC ensures consistent, accurate exposure—helping reduce patient dose and minimize retakes.

Radiographers

- All-around grip provides easy handling for accurate positioning while the lightweight design reduces strain on technologists.
- DEC automates exposure settings, ensuring consistent, accurate imaging for a more efficient workflow and fewer retakes.

Radiology Administrators

- Durable, glass-free design and high IP rating ensure the detector's robustness for daily operations, minimizing downtime.
- The lightweight design alleviates physical strain and fatigue, enhancing staff well-being and satisfaction.
- X-Factor sharing enhances versatility and ROI by enabling seamless integration across all Carestream DRX equipment.

Radiologists

- DEC delivers consistent exposure across different patients and technologists, ensuring reliable image quality that simplifies reading, comparison, and pathology tracking.
- 100µm pixel size enhances spatial resolution, providing sharper, more detailed images that allow for better visualization of fine anatomical details and improve diagnostic accuracy.

Imaging Software Powered by Eclipse

Eclipse:
Harness the Power of Decades of Innovation.

Carestream's Eclipse is the engine behind our innovative imaging software. It uses AI technology and proprietary algorithms to significantly increase the value of the entire imaging chain, from capture to diagnosis.

1 Carestream Detector Exposure Control (DEC) is an optional feature and may not be compatible with all systems or configurations.
2 Tested according to MIL-STD-810G.

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

"Rx only"

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