Carestream

ImageView Software Upgrade

Single-Platform Efficiency.

Upgrade to ImageView Software for Greater Productivity Across Your Imaging Systems.

SMART IMAGING SOLUTIONS

Step Up to Our New Image-Capture Software Platform.

Carestream's Software Platforms, powered by our AI-based Eclipse engine, have set industry standards for workflow efficiency and overall performance. Now we're introducing our latest advancement: new CARESTREAM ImageView Software. This upgrade delivers a single, robust interface – saving time and enhancing ease of use, to take productivity and patient care to new levels.

Designed to support advanced applications that are becoming the standard of care for increased diagnostic confidence, ImageView is the software platform for the future.

This innovative platform is available on all of our DR products.

Advantages at a Glance

- Enhances workflow and productivity with fewer screen transitions, with most common operations a single button press away.
- Features a common user interface across Carestream DR products to simplify cross-product usage and reduce training time/costs.
- Provides our most advanced image-processing functionality, powered by Eclipse.
- Supports advanced applications like Dual Energy and Digital Tomosynthesis.
- Delivers advanced security capabilities to protect you from the ever-changing cybersecurity risks.
- Incorporates Imaging, Workflow and Analytics Intelligence to optimize image quality, supercharge productivity and improve the imaging experience for patients and staff.

A Timely Solution for Hospitals, Clinics and Imaging Centers Alike.

If you're like most imaging operations, the demands on your time and budget are growing. At the same time, you're dealing with many factors that can impede imaging productivity.

If you're currently using Carestream Software, you already know the productivity benefits of having multiple Carestream imaging systems in your enterprise powered by a single, feature-rich software platform. A common interface eliminates the time it takes to train radiographers on multiple software platforms. One interface also prevents frequent delays and errors that can occur when radiographers need to stop and reacclimate each time they switch to a different user interface.

But here's the biggest improvement of all: ImageView takes multiple interface screens and combines them into a single, integrated screen. This eliminates the need to flip between screens, saving time and boosting workflow.

Designed Using Image and Workflow Intelligence with Enhanced Security.

ImageView is ready to boost system and staff performance across the board:

- An intuitive and easy-to-use interface simplifies training while optimizing workflow.
- A common user experience promotes efficient cross-product usage by reducing delays and errors while minimizing training costs.
- Automated workflow with uniform protocols set to your preferences provides consistency to minimize repeat exams and improve productivity.
- Carestream's most advanced image processing, powered by Eclipse, is embedded to deliver superb image quality for confidence in your diagnoses.
- Its architecture is built to support advanced applications, including Dual Energy and Digital Tomosynthesis, to provide improved diagnostic confidence.†
- Access to RIS and PACS provides immediate availability to additional patient information and reduces the time to complete the study.
- Microsoft Windows 10 and other built-in "Secure by Design" elements, such as intrusion protection and prevention, make ImageView Carestream's most secure software for medical devices.

†Dual Energy and Digital Tomosynthesis are only available on the CARESTREAM DRX-Evolution Plus.

Portfolio-Wide Integration

The ImageView Software Platform is available on Carestream DR systems. Additional products will be supported in future releases.

Image-Processing Features.*

Smart Noise Cancellation Ai
SNC enables customers to lower radiation dose without loss in image quality and provides improved diagnostic quality, preservation of fine detail and better contrast-to-noise ratio for images acquired at clinically nominal exposures.**

EVP Plus
Supercharge processing productivity with Enhanced Visualization Processing (EVP) Plus. EVP Plus image processing supports multiband-frequency processing to provide better noise control, sharpness, contrast and density while minimizing artifacts.

Tube and Line Visualization
Be sure with a single exposure. This feature uses optimized processing for clearer, easier visualization of PICC lines and tubes. It increases confidence that tubes and lines are placed correctly – and remain in position.

Pneumothorax Visualization
Save time with software that creates a companion image from the original exposure that is optimized to accentuate the appearance of free air in the chest cavity.

Bone Suppression Ai
This advanced image-processing feature uses Artificial Intelligence to suppress the appearance of bone and enhance the visualization of soft tissue for increased clinical confidence of pathology assessments.

Pediatric Image Optimization and Enhancement Software
Acquire default acquisition techniques and image-processing parameters optimized specifically for each patient's body size, from the smallest neonatal patient to the largest adolescent. The seven-band multifrequency processing delivers improved noise suppression and enhances details for more productive pediatric exams.

Grid Detection and Suppression
Get a clearer view. This feature provides improved image quality through automatic detection and suppression of gridline artifacts. An antiscatter grid can lead to improved workflow and ease of imaging for radiographers.

SmartGrid
SmartGrid processing provides image quality comparable to images acquired with an antiscatter grid at a reduced patient dose in bedside chest imaging. The benefits of grid-like image quality without the use of an antiscatter grid can lead to improved workflow and ease of imaging for radiographers.

Black Surround
This feature masks the white collimated area to eliminate foreground flare. It defines your area of interest automatically, and allows manual selection of complex anatomical structures for rapid, accurate collimation verification.

Advanced Applications.*

Dual Energy
This option uses patented differential filtration to subtract rapidly acquired low- and high-energy acquisitions for the generation of bone and soft tissue images. This feature allows for improved detection sensitivity for abnormalities in the lung and improved assessment at the entrance exposure of a standard PA chest X-ray.

Digital Tomosynthesis
This option provides the capability to separate overlapping structures similar to a standard CT exam, but at a much lower dose. In addition, this provides depth location while improving the contrast visualization of local structures by removing over- and underlying anatomy in comparison to conventional radiography.

Quality-Enhancement Features.*

Tech-Assist Chest QA Ai
Contrast Noise Ratio (CNR) notifies the user when the CNR on the acquired image is outside the preset target range.

Anatomy Clipping Software uses artificial intelligence to outline areas of the chest anatomy that may have been collimated off the image.

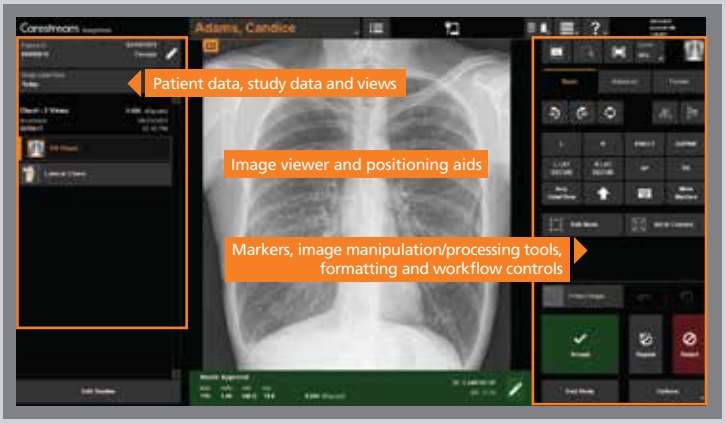
Deviation Index quantifies the deviation of the actual exposure index from the preset target range.

Administrative Analysis and Reporting
This digital dashboard allows you to analyze and develop improvement plans for your staff, to help you improve your department's performance and maintain quality controls. You can track your average exposure rates, rejected images and reasons, detector statistics, including drops, and Total Quality Tool (TQT) QA results.

Total Quality Tool
This tool allows you to quickly determine the functionality of each of your detectors. When incorporated into your facility's QC program, it provides data on your detectors' response over time and allows you to track MTF, CNR and flat-field artifacts. Data can be exported into Excel for tracking purposes. This option comes with the software, a flat-field phantom and carrying case.

The High-Efficiency Interface Saves Time and Effort.

No flipping! Less clicking! ImageView consolidates these into a single view, saving you time and giving you exceptional ease of use.



Enjoy Additional Security and Convenience.

- Microsoft Windows 10 and other built-in "Secure by Design" elements, such as intrusion protection and prevention, make ImageView Carestream's most secure software for medical devices.
- Domain Authentication provides centralized user administration using site standards for security. This controls user identities and access with Single Sign-On.
- Secure log-in and patient privacy features help facilities maintain compliance with industry regulations.

Ai Uses Artificial Intelligence technology.

*Availability of software features varies by region and specific Carestream Image Capture System. Contact your Carestream Representative or Dealer for details.

**Verified using Carestream detectors in a reader study performed by board-certified radiologists comparing pairwise images taken at nominal dose (CsI ISO 400 speed / GOS ISO 320 speed) and reduced dose (CsI ISO 800 speed / GOS ISO 500 speed) with SNC. The study verified that SNC enables customers to lower radiation dose without loss in image quality and provides improved diagnostic quality, preservation of fine detail and better contrast-to-noise ratio for images acquired at clinically nominal exposures.

Everyone Benefits with an Upgrade to ImageView Software.

Radiology Administrators

- The common user experience reduces training costs.
- Optimized workflow results in higher productivity and ROI.
- Digital Tomosynthesis could free up the CT room for additional patient exams.

Radiographers

- Minimal screen transitions, simplified layouts and enhanced capabilities optimize workflow.
- The common user experience simplifies training and cross-system work.
- SmartGrid provides improved workflow and easier positioning, and is lighter than a physical grid.
- AI-powered features save time and increase productivity.
- The detector verification feature prevents shooting images with the incorrect detector.

Radiologists

- Advanced image processing provides superb image quality with consistent presentation.
- Dual Energy and Digital Tomosynthesis provide additional information for improved diagnostic confidence.
- Our AI-based Smart Noise Cancellation (SNC) feature isolates noise from the signal, then subtracts the noise – using a lower dose and producing images that are dramatically clearer than what our standard image processing provides.

IT Managers

- ImageView and Microsoft Windows 10 deliver a high level of security.
- Domain authentication provides centralized user administration and access monitoring.

Imaging Software Powered by Eclipse

Workflow-Enhancement Features.*

Carestream products support DICOM interoperation and comply with IHE standards to address clinical needs and support patient care.

IHE Scheduled Workflow
ImageView Software saves time and boosts productivity by automatically notifying your HIS/RIS of exam status.

IHE Dose Reporting
This system collects and distributes comprehensive dose information to PACS – including DAP values, techniques and exposures indices.

SoftDAP
Now you can calculate dose without DAP hardware. SoftDAP utilizes various input parameters including kV, mA, focus, filter, field size and tube to compute and report a DAP value. It complies with the IEC standard and offers performance superior to that of a DAP meter.

DICOM Modality Worklist
This system facilitates automatic transfer of patient and procedure data from your HIS/RIS system, eliminating manual data entry and increasing Radiographer productivity.

Procedure Mapping
Extra keystrokes add up to wasted time. Preconfigured and dynamic RIS-procedure mapping speeds data entry and workflow. Exam Tutor gives radiographers the flexibility to acquire images in any sequence.

Remote Patient-Data Entry
Patients are your first priority. Let radiographers dedicate more time to them, by making data entry an office-based PC task. This reduces overall radiographer workload, too.

Advanced Trauma Capability
Work faster when every second counts. Gain immediate access to patient records and depend on predefined exam/procedure codes to speed workflow in trauma cases – and get patients to treatment faster.

Chest Image Auto-Correct Ai
Save time with software that applies Artificial Intelligence to automatically display chest images in the proper orientation.

Prior-Image Review
Retrieve and review images from PACS and copy technique to the current exam.

Single-Shot Long-Length Imaging
Capture long-length images with a single exposure using the CARESTREAM DRX-L Detector. This solution drastically decreases patient hold time, reduces dose, speeds workflow, decreases repeats and allows for a higher level of patient comfort.

Multi-Shot Long-Length Imaging
Capture a wide range of vertebral and long-bone images with your patient in an upright or supine position. The system automatically captures, aligns and stitches the images.

Repeat View
Quickly duplicate and repeat a view using the same technique and grid settings.

Patient CDs/DVDs
Increase your patients' satisfaction. Now they can walk out the door with a CD or DVD copy of their images, including a DICOM viewer to take to their referring physician.

Smart DR Room Ai
AI-powered Smart Auto Position and Collimation Technique combined with Patient Positioning and Monitoring help increase productivity, improve image consistency and reduce repeats.

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"Rx only"

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