Carestream

SmartGrid Software Option

Improved Image Quality.

SMART IMAGING SOLUTIONS

Reduce the Appearance of X-ray Scatter.

When it comes to image quality, radiation scatter is a serious issue – fogging images, reducing contrast and obscuring details. Anti-scatter grids can reduce these effects significantly, but come with their own set of drawbacks: they require time-consuming positioning and alignment, and an increase in exposure to the patient.

By removing the physical grid, SmartGrid improves the workflow for the radiographer and provides more comfort for the patient. When SmartGrid is combined with an anti-scatter grid, it can improve the image quality and readability.

Look to Carestream for the solution. Our SmartGrid Software Option reduces the appearance of scatter for improved image quality and readability.

Advantages at a Glance

- Reduces the appearance of scatter for improved image quality and readability
- Lower radiation exposure to patients
- Faster worflow with no grid to attach
- Increased patient comfort

CARESTREAM SmartGrid Software Option

A Better Way to Reduce the Appearance of Scatter.

SmartGrid reduces the appearance of scatter without compromising workflow or patient safety. It utilizes an advanced enhancement algorithm to automatically process the image by estimating the low-frequency scatter throughout the image and removing it.

Many physical factors affect the properties of scatter, including the energy spectrum of the beam, the thickness/size of the object and collimation. Using empirical modeling, SmartGrid accommodates these factors via algorithm parameters which are tuned to approximate anti-scatter grid visual performance.

Cadaver abdomen imaged with **no scatter correction.**

Same view processed with a **conventional anti-scatter grid.**

Same view processed with Carestream's **SmartGrid Software.**

Conventional anti-scatter grid
110kVp, 4mAs, 58 in. SID

With SmartGrid
95kVp, 2.5mAs, 61 in. SID

A Wide Range of Exams.

SmartGrid image processing supports AP views for all body parts to reduce the appearance of scatter for improved readability. The SmartGrid option is available for all ImageView based DR systems.*

*Body parts may be limited by detector in use.

A Community of Service and Support.

For dependable service, look to our Customer Success Network. We work continuously to improve your imaging performance, help you to innovate as needs change, and make the most of your budget and resources. Carestream's Customer Success Network surrounds you with a dynamic team of experts, with a Single Point of Entry for easy, customized access to the right people in every situation. You and your patients will benefit from the expertise and best practices only Carestream can deliver – based on thousands of customer engagements worldwide and our 100-year heritage in medical-imaging innovation.

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.

carestream.com/software

"Rx only"

© Carestream Health, Inc., 2022. CARESTREAM is a trademark of Carestream Health. CAT 2000 222 06/22

Carestream