

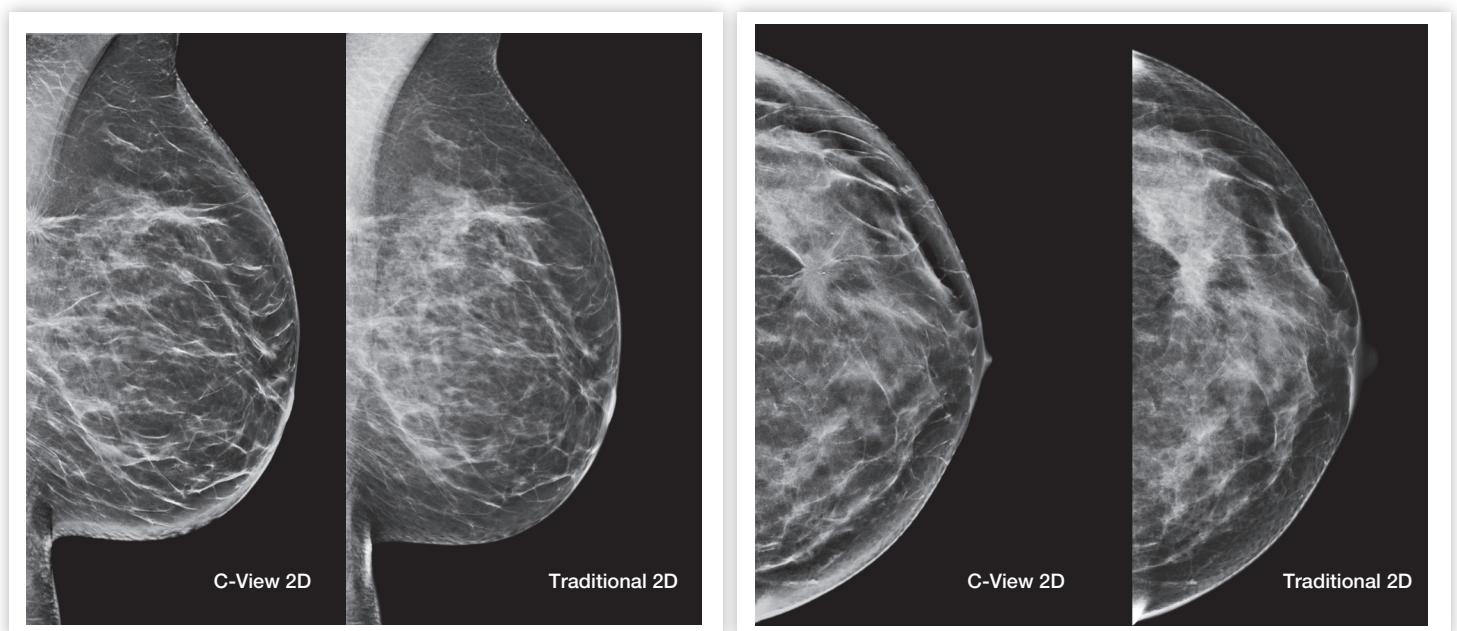
# Low Dose 3D MAMMOGRAPHY™ Exams with C-View™ Software

## Greater Accuracy. Low Dose.

Raise your breast cancer screening performance<sup>1-7</sup> while minimizing patient radiation dose and discomfort with C-View™ software, powering the ultrafast and low dose Genius™ 3D MAMMOGRAPHY™ exam.

C-View software's advanced algorithm takes high-quality tomosynthesis data and instantly generates 2D images designed to enhance details such as bright spots and linear structures. With a rapid 3.7 second continuous scan (regardless of breast thickness), the low dose Genius™ 3D MAMMOGRAPHY™ exam is designed to minimize the risk of patient motion, provide a comfortable patient experience, and deliver proven superior clinical performance compared to 2D mammography for all breast types.<sup>1-7</sup>

C-View 2D images are clinically validated and FDA approved to diagnostically replace the FFDM images within a tomosynthesis screening exam. C-View 2D images also serve as a navigational aid to the tomosynthesis slice review. Published studies show that the low dose Genius™ 3D MAMMOGRAPHY™ exam finds invasive cancer earlier<sup>1-4</sup> while also reducing false positive recall rates.<sup>1-4,6</sup> By design, C-View 2D images will look different, just as all manufacturer's FFDM images differ. As with any imaging change, training is essential. Visit [www.hologic.com/training](http://www.hologic.com/training) for course details.



Notice the characteristics of C-View 2D and traditional 2D images from the same study, such as density, skin line, and contrast.

# Low Dose 3D™ Mammograms with C-View™ Software

Now with C-View software you can achieve higher levels of accuracy compared with 2D mammography at a dose comparable to the U.S. average mammogram! <sup>1, 4-6, 8-9</sup>

## Standard

C-View software license

## Options

ImageChecker® CAD for C-View software's generated 2D images

## Output

Output: DICOM Digital Mammography Image (MG) or DICOM Breast Tomosynthesis Image (BTO)

Flexible Configurations: Output to SecurView® DX diagnostic workstation and PACS

## Hardware Requirements

Selenia Dimensions acquisition workstation hardware minimums apply.

Contact your Hologic representative for details, including service plans.

## Other Requirements

One (1) Selenia Dimensions tomosynthesis system with 1.8.3 software or higher

Contact your Hologic representative for details and requirements on:

SecurView DX workstation advanced tomosynthesis features  
Cenova™ server and ImageChecker® CAD for C-View's 2D images

## Imaging Modes

The Selenia Dimensions system gives you the power and flexibility of several imaging modes:

Combo mode: Tomosynthesis + traditional 2D  
ComboHD mode: Tomosynthesis + traditional 2D + C-View 2D (transitional)  
TomoHD mode: Tomosynthesis + C-View 2D



C-View™ software is an option within the Hologic® 3D MAMMOGRAPHY™ exam and its 2D images are always read together with the tomosynthesis images. The Genius® 3D MAMMOGRAPHY™ exam is available only on the Hologic Selenia® Dimensions® system.

**References:** **1** FDA PMA submission P080003/S001 physician labeling **2** Skaane P, Bandos AI, Eben EB, et al. Two-view digital breast tomosynthesis screening with synthetically reconstructed projection images: comparison with digital breast tomosynthesis with full-field digital mammographic images. *Radiology*. 2014 Jun;271(3):655-63. **3** Zuley M, Guo B, Catullo V, et al. "Comparison of Two-dimensional Synthesized Mammograms versus Original Digital Mammograms Alone and in Combination with Tomosynthesis Images." *Radiology*. 2014 Jun;271(3):664-71. Epub 2014 Jan 21. **4** Bernardi D, Pellegrini M, Valentini M et al. "The STORM II (Screening with Tomosynthesis or Mammography II) Trial: Interim Comparison of Screen-reading Strategies in Population Breast Screening." (paper presented at the annual meeting of the Radiological Society of North America, Chicago, IL, December 2014). **5** Durand M, Raghu M, Geisel J, et al. "Synthesized 2D Mammography + Tomosynthesis: Can We See Clearly?" (paper presented at the annual meeting of the Radiological Society of North America, Chicago, IL, December 2015). **6** Choi J, Han B, Ko E, et al. "Comparison with Two-Dimensional Synthetic Mammography Reconstructed from Digital Breast Tomosynthesis and Full Field Digital Mammography for the Detection of T1 Breast Cancer." *European Radiology*. Epub 2015 Dec. **7** Woo O, Choi G, Shin H, et al. "Comparative Diagnostic Value of Two-dimensional Synthesized Mammogram and Conventional Full-field Digital Mammogram for Evaluation of Breast Cancer" (poster presented at the annual meeting of the Radiological Society of North America, Chicago, IL, December 2015). **8** Zuckerman S, Conant E, Weinstein S. "Impact on Recall Rates Following Implementation of Synthesized 2D Mammography in Digital Breast Tomosynthesis Screening." paper presented at the annual meeting of the Radiological Society of North America, Chicago, IL, December 2015). **9** <http://www.fda.gov/downloads/AdvisoryCommittees/CommitteesMeetingMaterials/MedicalDevices/MedicalDevicesAdvisoryCommittee/RadiologicalDevicesPanel/UCM325901.pdf> (Slide 20)

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## Breast and Skeletal Health

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3D MAMMOGRAPHY