

The sharpest 3D Mammography™ images ever.*

Reveal the finest details with the fastest, highest resolution 3D Mammography™ images available, designed to detect more invasive cancers with confidence. Our advanced detector and innovative 3D Mammography™ imaging algorithm work together to deliver exceptional 3D Mammography™ images – regardless of breast size or density.



Generate our fastest, highest resolution 3D Mammography™ images to accelerate screening and analysis.



Designed to clearly reveal subtle lesions and fine calcifications to help pinpoint cancers early.



Diagnose your most challenging patients with greater certainty.



Reveal more with Clarity HD™ high-resolution 3D Mammography™ imaging technology

Get a head start on identifying invasive breast cancer.

- Reduce recalls by up to 40% compared to 2D alone.^{1,4}
- Detects up to 65% more invasive breast cancers compared to 2D mammography alone.[§]
- Generate images with 2X the tomosynthesis resolution of Hologic's standard resolution 3D Mammography™ exam.
- Produce sharper, more natural looking images for improved visualisation of fine calcifications.
- Create high-resolution 3D Mammography™ images** with both small and large breasts reconstructed and unbinned at 70-micron pixel size.
- Take advantage of higher contrast images, skin-line improvements and minimal artifacts.

Product information

Clarity HD™ high-resolution 3D Mammography™ imaging is standard with all 3Dimensions™ systems, and available as an optional upgrade for existing Selenia® Dimensions® systems.** Clarity HD™ high-resolution 3D Mammography™ imaging is a prerequisite for Intelligent 2D™ imaging technology. Refer to Dimensions Product Datasheet for additional technical product information.

Imaging Modes

Combo Mode	High-resolution 3D Mammography™ imaging + FFDM
TomoHD Mode	High-resolution 3D Mammography™ imaging + Intelligent 2D™ imaging technology
Combo HD Mode	High-resolution 3D Mammography™ imaging + FFDM + Intelligent 2D™ imaging technology

Ordering details

Part Number	Description
DIM-LIC-CHD-UP	Clarity HD™ High-resolution 3D Mammography™ imaging upgrade, Selenia® Dimensions® only (with grid)
RM-DIM-LIC-CHD-UP	Clarity HD™ High-resolution 3D Mammography™ imaging upgrade, Selenia® Dimensions® only (with grid)- Certified
DIM-LIC-CHD-UP-NG	Clarity HD™ High-resolution 3D Mammography™ imaging upgrade, Selenia® Dimensions® only (no grid)
RM-DIM-LIC-CHD-UP-NG	Clarity HD™ High-resolution 3D Mammography™ imaging upgrade, Selenia® Dimensions® only (no grid)- Certified
3DM-LIC-TRIAL-CHD	Clarity HD™ High-resolution 3D Mammography™ imaging software 6-month trial license, 3Dimensions™ only

*Compared to Hologic standard 3D Mammography™ imaging.

** Not available on new purchases of Selenia® Dimensions® systems.

†For 3Dimensions™ systems only.

§Results from Friedewald, SM, et al. "Breast cancer screening using tomosynthesis in combination with digital mammography." JAMA 311.24 (2014): 2499-2507; a multi-site (13), non-randomized, historical control study of 454,000 screening mammograms investigating the initial impact the introduction of the Hologic Selenia® Dimensions® on screening outcomes. Individual results may vary. The study found an average 41% increase and that 1.2 (95% CI: 0.8-1.6) additional invasive breast cancers per 1,000 screening exams were found in women receiving combined 2D FFDM and 3D™ mammograms acquired with the Hologic 3D Mammography™ System versus women receiving 2D FFDM mammograms only.

References

1. Friedewald SM, Rafferty EA, Rose SL, et al. Breast cancer screening using tomosynthesis in combination with digital mammography. JAMA. 2014 Jun 25;311(24):2499-507.
2. Zuckerman SP, Conant EF, Keller BM, et al. Implementation of Synthesized Two-dimensional Mammography in a Population-based Digital Breast Tomosynthesis Screening Program. Radiology. 2016 Dec;281(3):730-736.
3. Skaane P, Bandos A, 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.
4. Bernardi D, Macaskill P, Pellegrini M, et al. Breast cancer screening with tomosynthesis (3D Mammography™) with acquired or synthetic 2D mammography compared with 2D mammography alone (STORM-2): a population-based prospective study. Lancet Oncol. 2016 Aug;17(8):1105-13.

www.hologic.ca | Canada2@hologic.com | 1.877.209.7192

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