

# Digital Mammography

Perform advanced mammography image interpretation anywhere at any time alongside related images from any modality.

Breast cancer is the second most common cancer in women. In an effort to better screen, detect and treat breast cancer, most hospitals are now equipped with digital mammography capabilities that allow images of the breast to be captured, stored and analyzed as digital image files instead of on film. Digital mammography offers several benefits including enhanced image clarity, improved analysis and collaboration, better image manipulation capabilities and streamlined image storage and retrieval.

However, digital mammography can often handcuff a healthcare organization in certain ways. For example, traditionally, viewing and interpreting digital mammography and DBT (digital breast tomosynthesis) images required dedicated workstations running specialized digital mammography viewing software. This practice not only silos the images, but also restricts the viewing and interpretation workflow. In essence, clinicians are tethered to these dedicated workstations in order to view and analyze digital mammography images, limiting productivity and impeding the pace of diagnosis. However, a true zero-footprint enterprise viewer finally exists that is capable of performing advanced digital mammography interpretation functions — NilRead by Hyland.

## Enterprise-wide viewing and distribution of digital mammography images

The NilRead enterprise viewer has 510(k) Class II clearance by the FDA and is the first zero-footprint viewer to support advanced visualization in both referential and diagnostic viewing for digital mammography and DBT. It accomplishes this from a server-side, web-based viewing platform, thus delivering rapid distribution capabilities throughout the enterprise. Furthermore, NilRead enables digital mammography images to be viewed and interpreted from any workstation equipped with a diagnostic-grade monitor — no specialized graphic cards, local memory or other add-ons common to dedicated digital mammography workstations are required.

Clinicians using the primary diagnostic capabilities of NilRead have the interpretation tools required for digital mammography, like quadrant zoom and computer-aided diagnostics (CAD). NilRead also delivers CAD support to DBT.

NilRead's unparalleled multi-specialty support enables clinicians to view DBT images along with related images from other departments, such as ultrasound, CT, MRI, and pathology, enhancing diagnosis and treatment. In a zero-footprint viewer, clinicians can view the images that may have sparked the order for DBT or digital mammography along with the mammography studies. Breast cancer specialists can view, at one time, the mammography image, related digital pathology images of the breast tissue samples and the radiation oncology treatment plans in multiple windows on a single monitor or across multiple monitors based on preference.

## Key benefits:

- ▶ Clinicians gain the freedom to interpret images from any location/workstation equipped with a diagnostic-grade monitor including multiple onsite office locations, offsite facilities, mobile imaging vans and more
- ▶ Easy-to-access tools: quadrant zoom, CAD support for digital mammography and DBT with standard mammography hanging protocols
- ▶ Viewing digital mammography images alongside associated images from other departments: ultrasound, digital pathology, MRI, CT, RT enhances diagnosis and patient care
- ▶ Speed and performance of anytime anywhere digital mammography viewing maximizes productivity and speed to diagnosis
- ▶ Single software platform supports multiple specialties — digital mammography, radiation oncology, dermatology, ophthalmology, radiology, digital pathology and more
- ▶ Zero-footprint viewer does not require specialty graphic cards or local memory lowering overall infrastructure and maintenance costs
- ▶ Easy to license, deploy and administer

