

# Streamline mammography reading

Philips IntelliSpace PACS Mammography

**PHILIPS**

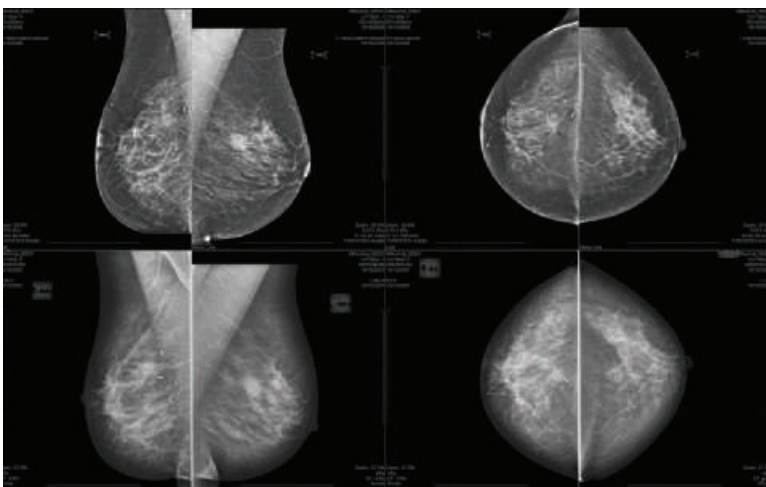
Philips IntelliSpace PACS 4.4 provides access to relevant, multi-modality information to support clinical decision making virtually anywhere,<sup>1</sup> anytime. It simplifies PACS via a service delivery model with built-in flexibility, scalability, and interoperability. Ultimately, it facilitates collaboration throughout the enterprise to enhance clinician workflow, patient care, and financial outcomes. IntelliSpace PACS Mammography is designed specifically to help streamline both screening and diagnoses by offering the convenience and workflow advantages of reading mammography studies on your existing PACS workstation. It combines the review speed, functionality, and quality of a dedicated mammography workstation with the efficiency of PACS integrated workflow.

### Key advantages

- Leverages existing PACS investment
- Reduces clicks and enhances productivity through high-level automation
- Enhances mammography reading and reporting workflow

## Leverage your PACS investment

IntelliSpace PACS Mammography provides high-level mammography reading at your IntelliSpace PACS workstations, requiring no further investments to conduct readings at your facility.



**All priors are available online** with dedicated comparison overviews defined. Automated mammography viewing features are applied to enhance the hanging without additional clicks. These include auto-scaling between current and prior studies, automated vertical tissue alignment, and breast-fit-to-window, which reduces zooming.

### Integrated mammography functionality

Combine the advantages of a PACS with those of a dedicated mammography workstation.

- Use the existing PACS workstations for mammography reading, with no need for dedicated workstations
- Unlimited concurrent users and any number of workstations to scale with your growing procedure volume
- Prior studies are quickly available, with no exam pre-fetching or other manual interventions
- No further efforts, extra steps, or hidden costs to implement mammography reading
- Maintenance and support is an integral part of the PACS contract

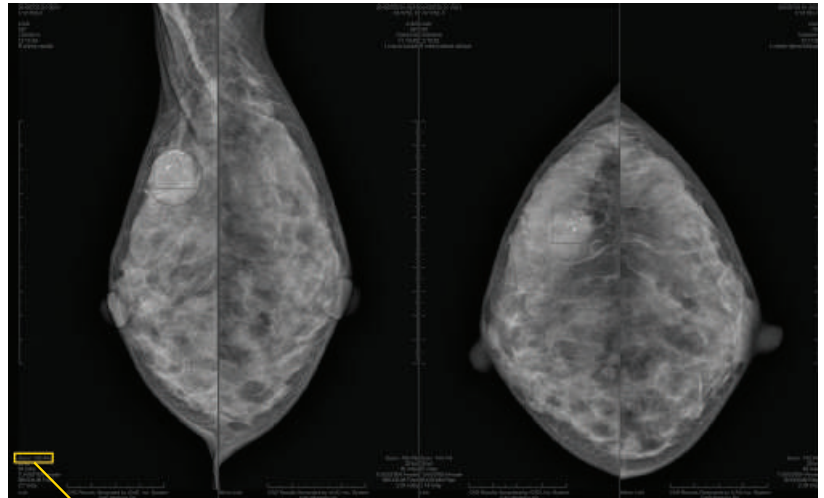
# Spend less time on clicks

IntelliSpace PACS Mammography offers high-speed mammography display, which is highly automated to help reduce mouse clicks and streamline both mammography screening and diagnostic procedures.



## Automated features enhance productivity

- Provides a selection of powerful mammography hangings to reduce user interaction – multi-vendor hangings and studies from external sources are accommodated
- Scaling between current and prior studies to match image sizes
- Breast-fit-to-window helps reduce zooming interactions
- Breast tissue alignment, enhancing left-right symmetry



Zoom: 102.4%

**Breast-fit-to-window** enhances the zoom factor of the breast tissue, zooming up to 102% in the example above, saving mouse clicks and reducing the need for additional manual zooming interactions or other hanging protocols.



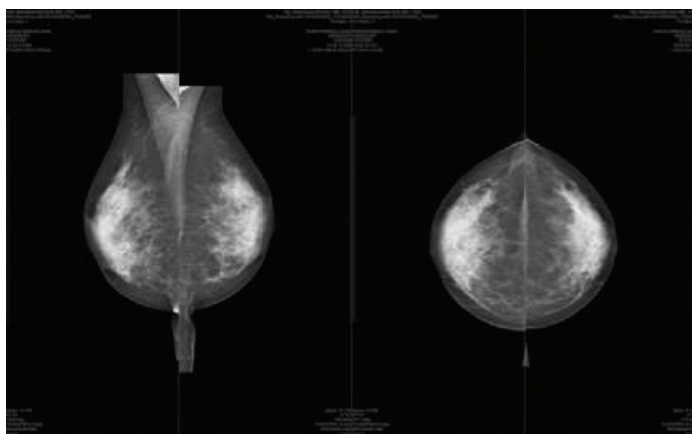
**Ergonomically positioned keypad** for fast manipulation and speedy access to routinely used functions.

## Ergonomic mammography keypad for fast results

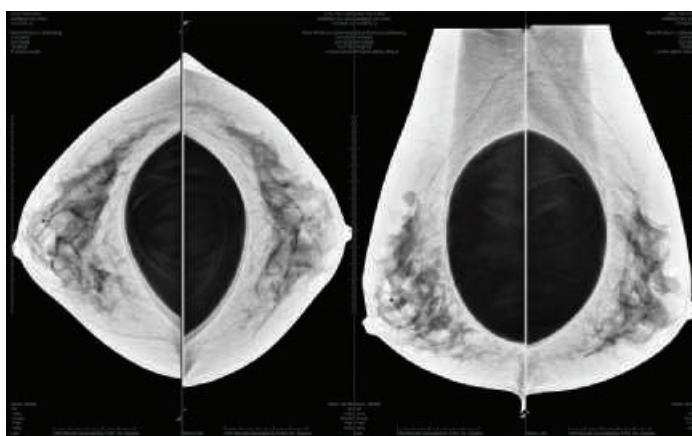
A mammography keypad provides quick and convenient access to all routine functions. It features large, well-positioned buttons and is backlit to accommodate dark reading environments.

- Simply access workflow tools, such as next or previous patient
- Easily mark read status as positive or negative
- Enhance use of image manipulation tools such as zoom and CAD display
- Optional mammography keyboard available

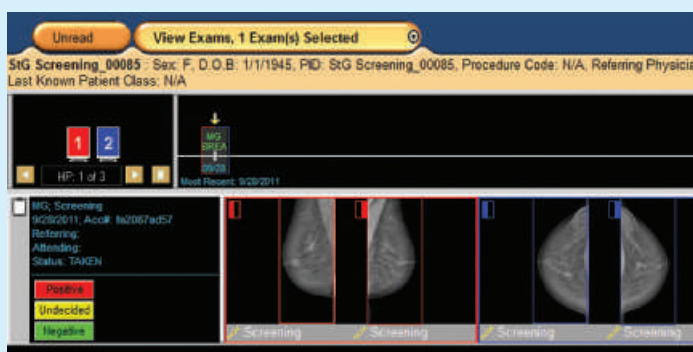
# Enhance reading and reporting workflow



**Vertical tissue alignment** enhances the symmetry between left and right breast, based on the glandular tissue.



**Image inversion** with background suppression.



**Mammography screening workflow** automatically invokes the Mark-Read buttons: **Positive** and **Negative**. The double-blind read also enables the **Undecided** button to enable peer discussion and reach resolution.

## Supports screening workflows

The system supports both single-read and double-blind reading workflows. For single-read workflow, one reader determines the score as positive or negative, potentially with the support of CAD. With double-blind reading, multiple readers score images as positive, negative, or requiring discussion. Discrepancies among readers appear in a mammography discussion worklist for resolution.

# Features

Feature	Benefit
Support for Tomosynthesis with cine review	Reduces the need for a dedicated workstation to review Tomo volume image sets
Automated hanging sequences dependent on the availability of priors	Manual sequence selection of HP Sequence is not required
CAD marker support	Save time by eliminating the need for secondary captures with CAD results
Support Sigmoid LUT	WW/WL will be shown as acquired
Background suppression (background stays black)	Improve the readability of images by ignoring the background when adapting WW/WL or inverting the image
Breast fit-to-window in combination with auto-scaling	Secure proper relative image dimensions by using the full monitor display
Smart Step-zoom	First step always behind the nipple and sequential steps skip the background
Mirrored linking	Supports enhanced inspection of breast symmetry
Breast tissue alignment	Enhanced inspection of breast symmetry
Double blind and single read support	Support of screening specific workflow
Mammo keypad	Easily support mammography workflow with keyboard shortcuts
Support breast density information	No secondary captures required



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<sup>1</sup> It's the user's responsibility to ensure that Philips network performance recommendations for IntelliSpace PACS 4.4 are met.

Please visit [www.philips.com/IntelliSpacePACS](http://www.philips.com/IntelliSpacePACS)



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