

# SecurView®

Breast Imaging Workstation



## Release Notes

MAN-11507 Revision 001

**HOLOGIC®**

# SecurView<sup>®</sup>

Breast Imaging Workstation

## Release Notes

For Software Version 12.0

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## Table of Contents

<b>1: Introduction</b>	<b>1</b>
<b>2: Notes for Version 12.0</b>	<b>1</b>
2.1 New Features in Version 12.0.....	1
2.1.1 Ultrasound Image Workflow Enhancements .....	1
2.1.2 Genius AI Detection 2.0 Software Correlated Results Display .....	1
2.1.3 New Patient List Filters .....	2
2.1.4 Pie Menu Enhancements .....	2
2.1.5 Close Study Dialog Box Enhancements.....	2
2.1.6 Export Displayed Images Screen Capture as PNG .....	2
2.1.7 Image Distribution Enhancements.....	2
2.1.8 Image Overlay Enhancements .....	2
2.1.9 Missed View Safety Warning Improved Wording .....	2
2.1.10 CAD Results Display Enhancements.....	3
2.1.11 Initiate Local Search with Enter Key.....	3
2.2 Problems Corrected in Version 12.0 .....	3
2.2.1 Application Appears Unresponsive with Hidden Modal Dialog Box .....	3
2.2.2 Application Stops Responding to User Selections (Freezes) .....	3
2.2.3 Delayed Client Connections to Manager.....	3
2.2.4 Image Preparation Crash Prevents SecurView Application Restart .....	4
2.2.5 Stack Indicator Displays Twice when Stepping through ReportFlow .....	4
2.2.6 Stack Indicator Position Changes When Toggling Prior Images .....	4
2.2.7 GE Ultrasound Grayscale Images Display with Low Contrast.....	4
2.2.8 MammoNavigator Feature Thumbnail Issue with Create Combination Procedure by View .....	4
2.2.9 Maximum Storage Period of 1 Day Deletes Patients Prematurely on Mondays .....	4
2.2.10 Auto-Fetch Does Not Retrieve Prior Studies due to Associations Left Open .....	5
2.2.11 Hologic Quantra Results from Hologic Dimensions Not Displayed .....	5
2.3 Known Issues in Version 12.0 .....	5
2.3.1 Patient Not Displayed in Patient List After Marked Read .....	5
2.3.2 Incorrect ReportFlow Automatically Selected for Conventional 2D .....	5
2.3.3 Compressed Ultrasound Color Images Display with Incorrect Colors .....	5
2.3.4 Procedure Identification Requires Separate Entry for Each Modality .....	5
2.3.5 Annotations Not Sent on Secondary Capture Images .....	5
2.3.6 Annotations Displayed Incorrectly on Reduced Resolution Center Slice of SCO Image .....	6

## Introduction

The *Release Notes* document provides a listing of New Features, Problems Corrected, and Known Issues in the most recent release of the SecurView® DX/RT workstation software. The 12.0 release includes:

Version	Release Date
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12.0.1	August 2023
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Version 12.0 requires the Windows® 10 (Standalone, Client) or Windows Server 2016 (Manager) operating system. Windows 7 and Windows Server 2008 operating systems are not supported.

## Notes for Version 12.0

### 2.1 New Features in Version 12.0

#### 2.1.1 Ultrasound Image Workflow Enhancements

The Mammography Viewer supports ultrasound reading workflow with the following enhancements:

- Grouping of ultrasound images: single MammoNavigator™ feature thumbnail per ultrasound study and laterality, labeled with SF (single frame) and MF (multi-frame) based on the study content. The MammoNavigator feature includes horizontal tiles.
- Labeling: displayed ultrasound images are identified with the current image number, the total number of images in the set, the zoom factor, and a cine icon if the current image is multi-frame.
- Navigating ultrasound image sets: use the scroll wheel (mouse or keypad) with the cursor in the viewport containing the image set. A slider and cine button provide navigation through multi-frame images, or use the scroll wheel with the cursor on the slider.
- Viewport layout: Grid mode tool with options for horizontal and vertical combinations up to 12 images per tile, with snaking or paging navigation modes per user preference.
- Hanging snapshots and ReportFlows: Horizontal layouts available in hanging snapshot configuration, with new ultrasound default hanging snapshots and ReportFlow.
- Distance measurements: Length calculations in mm use the encoded pixel size per region within an ultrasound image.
- Exporting ultrasound multi-frame images to media as a movie in AVI format.

#### 2.1.2 Genius AI Detection 2.0 Software Correlated Results Display

SecurView displays Genius AI® Detection 2.0 software results that correlate findings between CC and MLO views of the same breast, using single step or two-step options. Correlated findings are labeled with the same alphabetic letter in each view.

### **2.1.3 New Patient List Filters**

The Patient List has three new filter options: Read, Not Read, Today's patients.

Type the first few letters of the patient name or patient ID to highlight a matching patient in the Patient List.

### **2.1.4 Pie Menu Enhancements**

The Pie menu is redesigned to have eight main Pie menu selections and five submenus, where each user can configure the most frequently used tool from each submenu as the main Pie menu selection.

### **2.1.5 Close Study Dialog Box Enhancements**

The *Close Study* dialog box is updated to allow marking studies as Read with fewer clicks by preselecting all studies that can be marked as Read, and with clearer descriptions of the annotation output options. When adding a new user, the workflow user preferences are enabled by default for the sending annotations options in the *Close Study* dialog box.

### **2.1.6 Export Displayed Images Screen Capture as PNG**

The Pie menu provides tools to export a screen capture of all currently displayed viewports, or a screen capture of a single selected viewport, to a selected media folder as a PNG file (instead of TIFF). The keyboard shortcut [E] can be used to export a screen capture of all currently displayed viewports.

### **2.1.7 Image Distribution Enhancements**

When Client workstations are used for image distribution in addition to the Manager in a multi-workstation environment, the distribution chain is now configurable.

Specific Client workstations can be configured in priority order to receive images before other Client workstations in the distribution chain.

Specific Client workstations can be configured not to be used as image distributors.

### **2.1.8 Image Overlay Enhancements**

Image Overlay content can be configured specifically for ultrasound images.

Contrast imaging characteristics are available to include in the MG Image Overlay.

### **2.1.9 Missed View Safety Warning Improved Wording**

The Missed View Safety Warning message is updated to state, "Caution: You did not look at all current images in the required resolution: View MG images in full screen view, View other images in any size."

### **2.1.10 CAD Results Display Enhancements**

Display of CAD / Case Score is now a user preference instead of a system-wide setting.

Mass with calcifications and Individual Calcification findings can be displayed for non-Hologic CAD results.

Case score can be displayed using the Certainty of impression or Impression Description content, configured per non-Hologic CAD manufacturer.

CAD score can be displayed using the Certainty of Finding or the numeric value or text description of specified Calculated Value content, configured per non-Hologic CAD manufacturer.

### **2.1.11 Initiate Local Search with Enter Key**

When using the *Local Search* dialog box to search for patients in the SecurView patient list, it is now possible to initiate the search by pressing the **Enter** key on the keyboard, as an alternative to selecting the **Search** button in the dialog box.

## **2.2 Problems Corrected in Version 12.0**

### **2.2.1 Application Appears Unresponsive with Hidden Modal Dialog Box**

When a user moves the MammoNavigator feature manually to a location that covers the area where a modal dialog box would be displayed, such as the *No Currents Available* warning dialog box, the SecurView application appears to be unresponsive, blocking other actions until the user closes the hidden modal dialog box. This problem is corrected; the MammoNavigator feature is moved to its default location.

### **2.2.2 Application Stops Responding to User Selections (Freezes)**

In SecurView 11.1, it is possible for the application to stop responding to user selections (for example, via mouse, keyboard) due to an intermittent internal timing issue, requiring an application restart or workaround (for example, press the 'e' key, then cancel the export dialog box) to restore operation. This problem is corrected.

### **2.2.3 Delayed Client Connections to Manager**

If a Client workstation cannot connect to the Manager, all Client workstations still awaiting connection are blocked until the troublesome Client workstation is corrected or removed. This problem is corrected with a timeout for each Client workstation connection attempt that prevents the blockage.

#### **2.2.4 Image Preparation Crash Prevents SecurView Application Restart**

It is possible for the image preparation process to crash due to ultrasound, Hologic SCO tomosynthesis, or CT images with corrupt or missing or unexpected data. For example, lossless compressed subsampled YBR\_FULL\_422 ultrasound images, Hologic SCO tomosynthesis images missing the private pixel data, or unexpected negative pixel padding values in CT images may lead to preparation delay or inability to restart the SecurView application successfully. These problems are corrected. In addition, the number of times a failed process is restarted automatically is no longer limited.

#### **2.2.5 Stack Indicator Displays Twice when Stepping through ReportFlow**

In SecurView 11.0.x and 11.1.x, it is possible for the stack indicator to be displayed twice in a tile briefly when stepping through a ReportFlow. This problem is corrected.

#### **2.2.6 Stack Indicator Position Changes When Toggling Prior Images**

When some images in a stack display the Tomo Navigation tool and others do not, the Stack Indicator position changes when toggling stacked images. This problem is corrected.

#### **2.2.7 GE Ultrasound Grayscale Images Display with Low Contrast**

GE ultrasound grayscale images may display with poor contrast due to a manufacturer specific setting that applies a sigmoid interpretation to Window/Level values of GE images, instead of the default linear interpretation. This problem is corrected by applying sigmoid interpretation only to GE mammography x-ray images.

#### **2.2.8 MammoNavigator Feature Thumbnail Issue with Create Combination Procedure by View**

When SecurView is configured for Create Combination Procedure by View, primarily for GE tomosynthesis combination procedures, when a 2D view without Frame of Reference UID matches more than one tomosynthesis data set for the same view in a study, the MammoNavigator feature thumbnails are not labeled correctly. This problem is corrected such that the 2D view is not combined with any reconstruction data set of the same view.

#### **2.2.9 Maximum Storage Period of 1 Day Deletes Patients Prematurely on Mondays**

The Maximum Storage Period when set to one day with Saturday and Sunday excluded unexpectedly deletes patients on Monday that arrived over the weekend. This problem is corrected.

### **2.2.10 Auto-Fetch Does Not Retrieve Prior Studies due to Associations Left Open**

The Auto-Fetch operation can misinterpret query responses from the PACS if old open DICOM Associations are reused, causing prior studies not to be retrieved. This problem is corrected.

### **2.2.11 Hologic Quantra Results from Hologic Dimensions Not Displayed**

SecurView 11.0.x and 11.1.x do not display Hologic Quantra® results received from Hologic Dimensions® as Mammography CAD SR unless the Manufacturer value is changed in Dimensions configuration. This problem is corrected.

## **2.3 Known Issues in Version 12.0**

### **2.3.1 Patient Not Displayed in Patient List After Marked Read**

When the patient list 'Not Read' filter is used, after marking a patient 'Read' the patient is removed from the 'Not Read' filtered patient list as expected. However, if you change the patient list filter, for example, by deselecting the 'Not Read' filter or selecting a different filter ('Read' or 'Today'), patients that you marked 'Read' that meet the filter criteria are not displayed at all in the patient list until you select 'Update Patient List'.

### **2.3.2 Incorrect ReportFlow Automatically Selected for Conventional 2D**

When a patient has only current conventional 2D mammography x-ray images, when opening the patient, the Ultrasound HSS ReportFlow is selected incorrectly when 'Select best matching ReportFlow, based on all images' is the Workflow Selection user preference. When this occurs, you may manually select the desired ReportFlow or change the Workflow Selection user preference.

### **2.3.3 Compressed Ultrasound Color Images Display with Incorrect Colors**

Ultrasound YBR\_FULL color images received using JPEG compression are displayed with incorrect colors. To resolve this problem, disable compression transfer syntaxes when receiving ultrasound images. For assistance, contact Product Support.

### **2.3.4 Procedure Identification Requires Separate Entry for Each Modality**

Starting with SecurView 11.0 and the removal of the Undefined study type, Examination Procedure Identification configuration requires each Procedure Description to be identified as Screening or Diagnostic for each applicable modality (for example, MG, SC-MG, Tomo-Reconstruction).

### **2.3.5 Annotations Not Sent on Secondary Capture Images**

When a Secondary Capture Image other than digitized film is the only image in a study, user annotations made on that image are not sent at close study.



### **2.3.6 Annotations Displayed Incorrectly on Reduced Resolution Center Slice of SCO Image**

If an annotation is made on a tomosynthesis image that was sent as Hologic SCO to a SecurView workstation, then stored to PACS as a GSPS, the marking may appear at the wrong location on a PACS viewer if it is displayed on the reduced resolution center slice stored in the public pixel data attribute of a Hologic SCO image.