

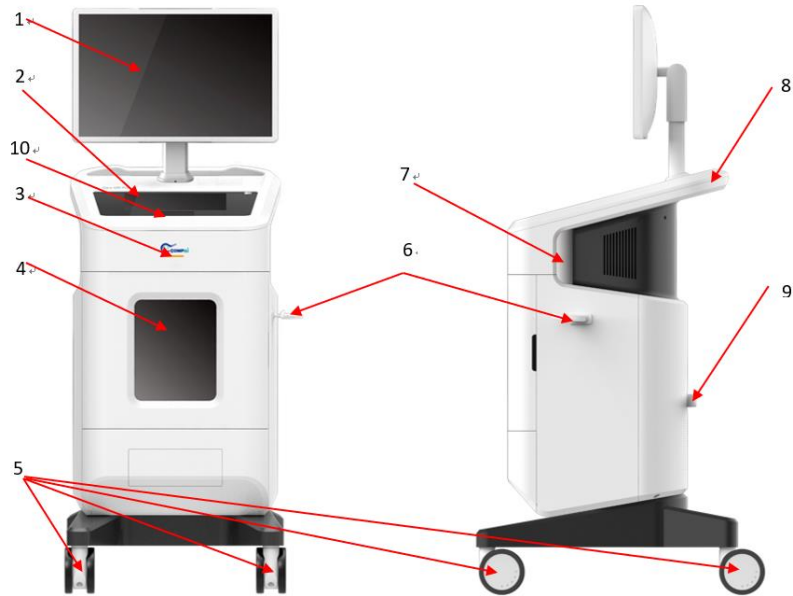


# TrueView 200 Pro-US Specimen Radiography System

———— Quick Guide



# ➤ Product Introduction



1. System Monitor

2. Touch Screen

3. Exposure Indicator

4. Imaging Cabinet

5. Casters

6. Barcode Scanner Holder

7. Side Handle

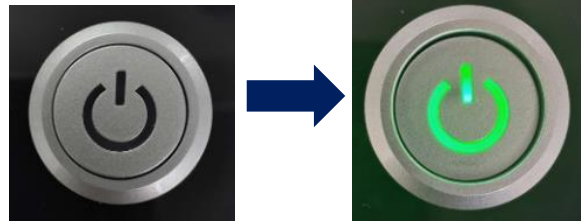
8. Back Handle

9. Cable Hook

10. Touchpad

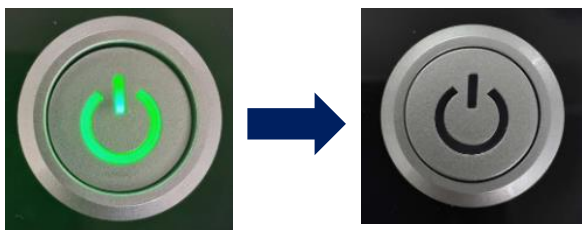
## ➤ Startup

1. Connect the power supply and press the power switch
2. Press the power button, and indicator will turn green



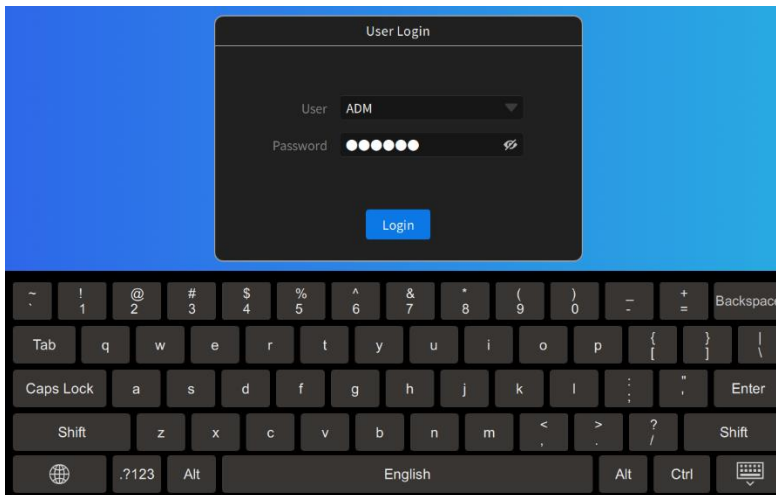
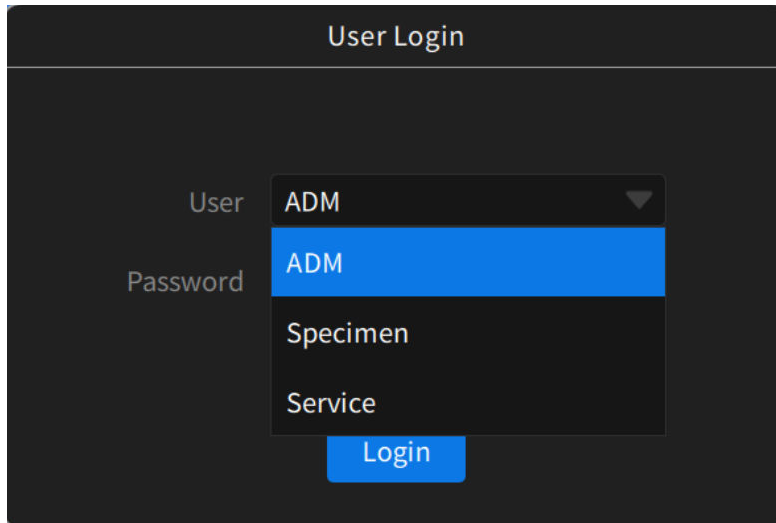
## ➤ Shutdown

1. Press the power button to shut the system down.



2. The power indicator light will turn off as the shutdown is completed.

# ➤ Login



1. Select User from the pull-down menu.
2. Input the password for selected User.
3. Click the “Login” button to login to the system.

## ➤ New Patient

2024/06/02 14:02

Patient Information

Patient ID  Body Part **Breast, Left**

Last Name  Doctor **ADM**

First Name  Department **Radiology**

Sex  M  F  O Note

DOB  Age

**Create** **Cancel**

Menu

**New Patient**

Worklist

Q/R

Review

Home

Imaging

Tools

Edit

New Exam

Close Patient

From the “New Patient” page

- Input the Patient ID, Last Name, First Name
- Select the Sex and DOB
- Select the Body Part and Department

2024/06/02 14:02

Patient Information

Patient ID  Body Part **Breast, Left**

Last Name  Doctor **ADM**

First Name  Department **Radiology**

Sex  M  F  O Note

DOB  Age

**Create** **Cancel**

Menu

**New Patient**

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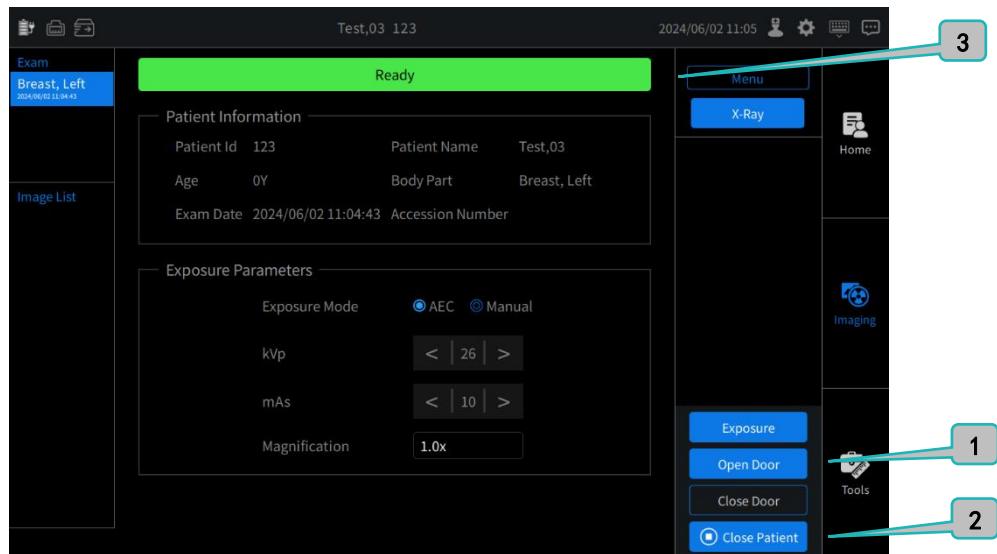
Edit

New Exam

Close Patient

- Click the “Create” button to complete the New Patient creation, and the system will automatically jump to the Imaging page,

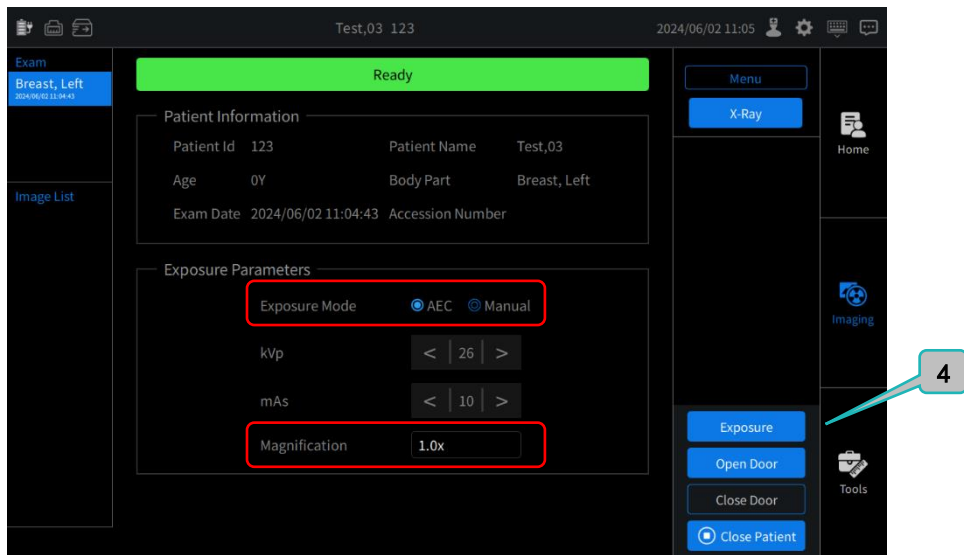
## ➤ Imaging-1



1. Click the “Open Door” button, and then the system automatically opens the cabinet door. Put the specimen on the specimen tray, put the tray in the appropriate position (1.0x,1.5x and 2.0x) and slide the tray all the way to the back of the cabinet. The system will display the current magnification according to the position of the tray.
2. Click the “Close Door” button, the system will automatically close the cabinet door.
3. The green “Ready” in status bar indicates that the system is ready for exposure; The yellow status bar indicates that the system is not ready for exposure because the door has not been closed; The red “Error” in status bar indicates there is some error to fix.

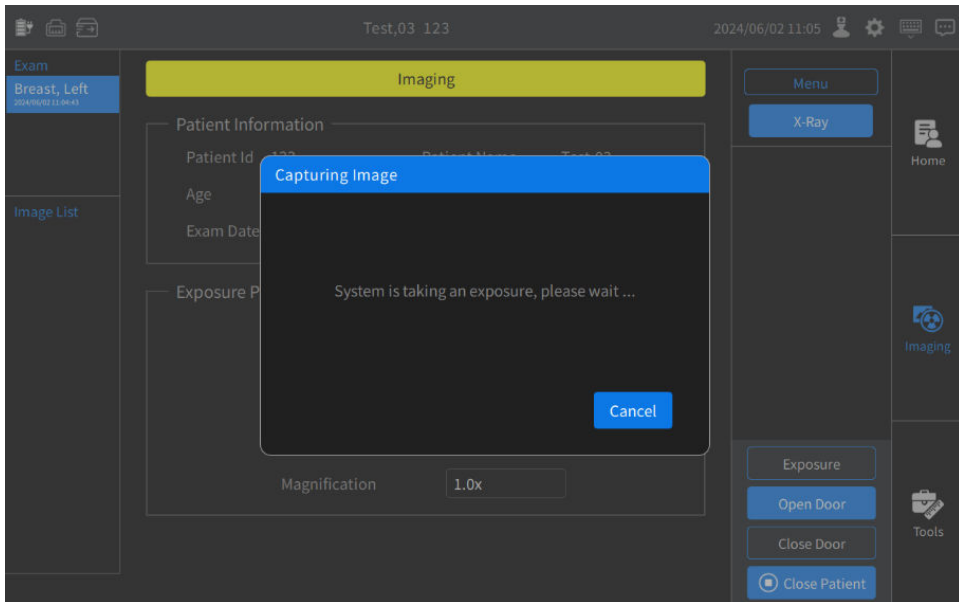
*Note: If “Magnification” shows “Unknown”, it means that the specimen tray is not fully inserted. Open the cabinet door and ensure the specimen tray is inserted fully into the cabinet when it touches the back wall of the cabinet.*

## ➤ Imaging-2



4. Click the "Exposure" button to capture the X-ray image.
5. If the "AEC" mode is selected, the system will automatically adjust the kVp and mAs to correctly display the sample. If "Manual" mode is selected, then the user can manually set the kVp and mAs to adjust the displayed image of the specimen.

## ➤ Exposure



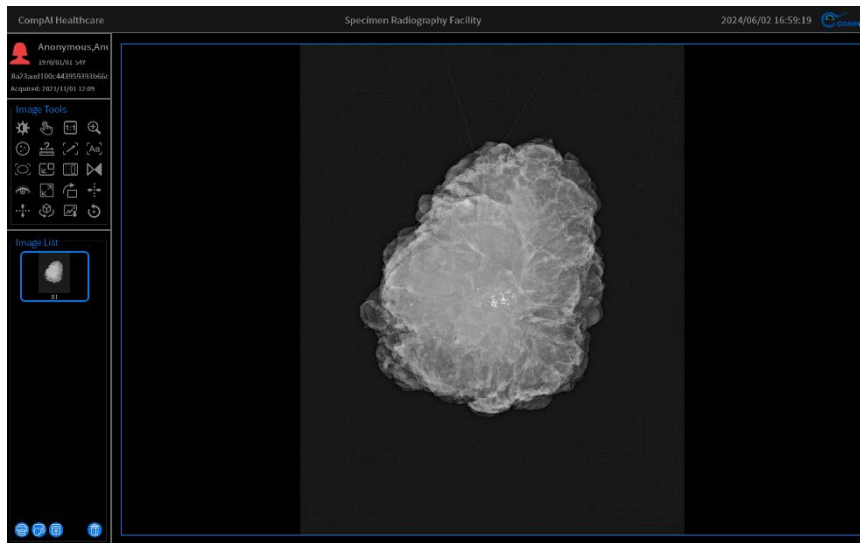
1. Click the "Exposure" button, and then click "Ok" to capture X-ray image of the specimen. A dialog box will pop up, showing "System is taking an exposure, please wait";
2. During exposure, the status bar turns yellow.



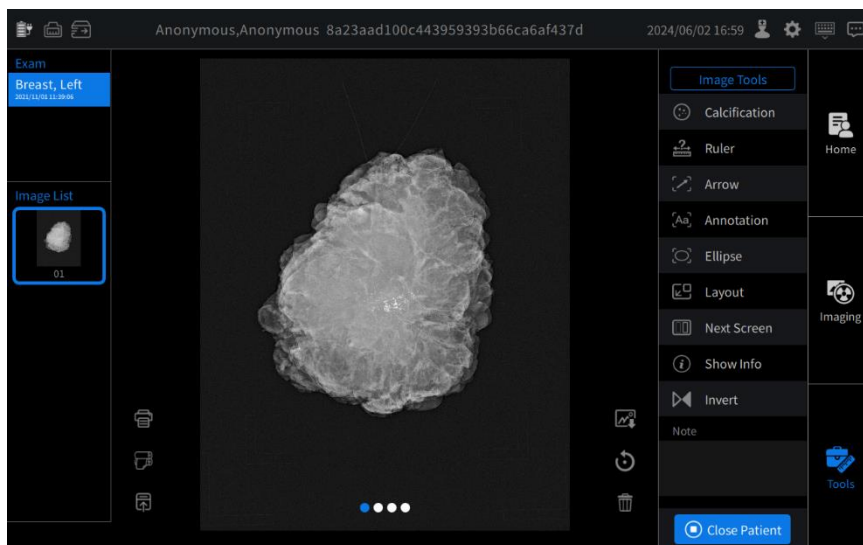
3. The indicator light on the front of the cabinet will illuminate during the exposure, and will go out when the exposure procedure has been completed.



## ➤ Image display



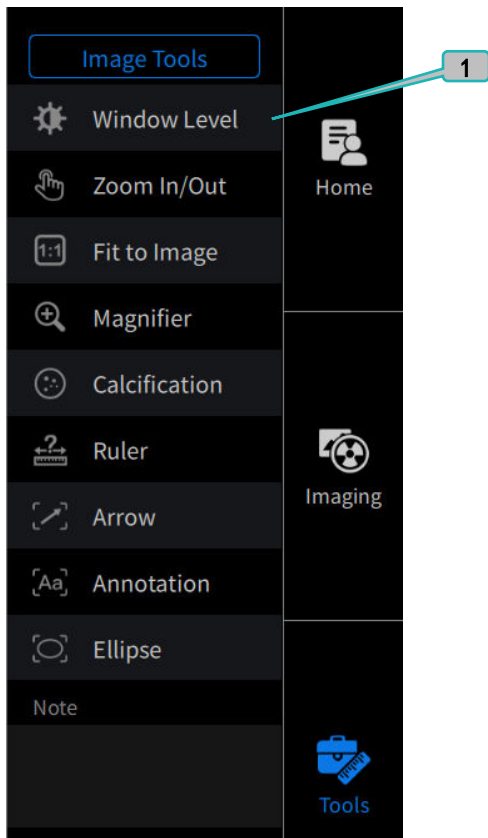
1. The image displayed on the system monitor



2. The image displayed on the touchscreen

*(Note: The system monitor and the touchscreen are displaying the same image)*

# ➤ Image Tools-1

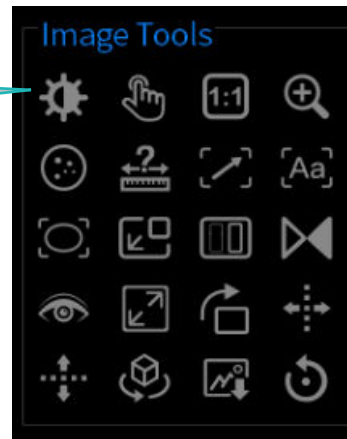


(Touchscreen interface)

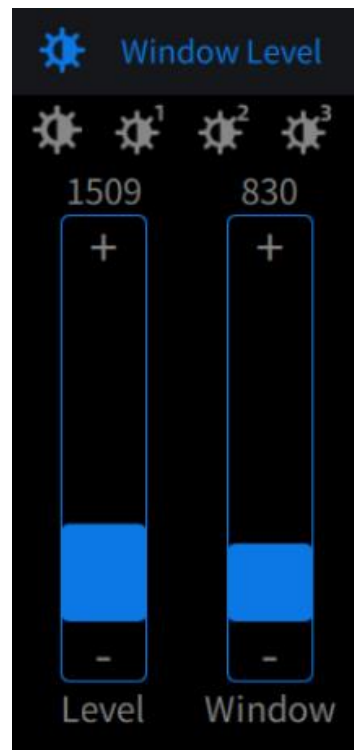
## 1. Window Level

The window level image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. Click this button on the touch screen, and the user can select one of

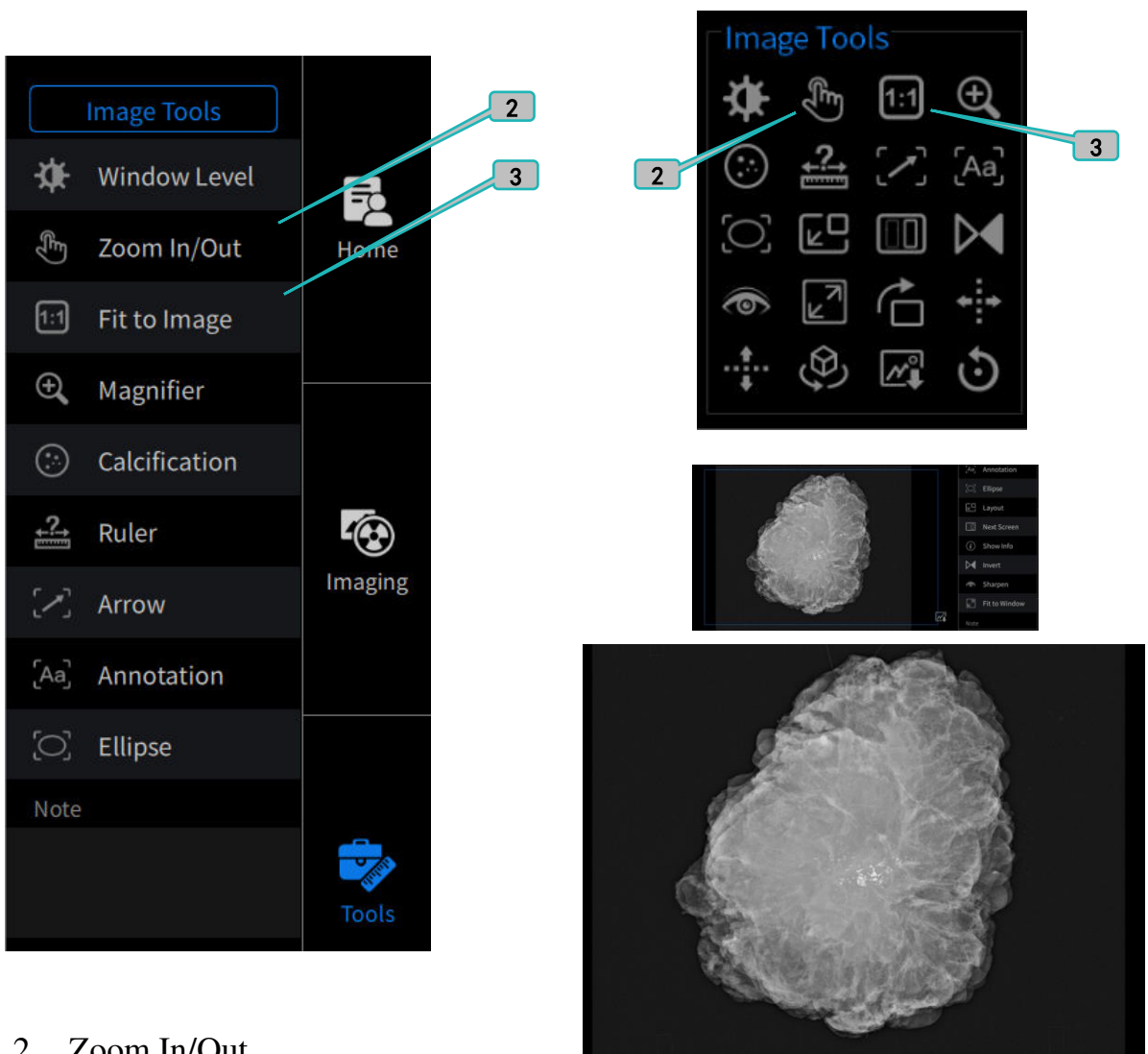
the four preset window and level values by choosing the corresponding icons. Alternatively, the user can also use sliders on the touchscreen to change the “Window” and “Level” values. The user can move the pointer within the selected image on the system monitor, and then by pressing and holding it on the system monitor the user may change the “Window” value by sliding left or right, and the “Level” value by sliding up or down.



(System monitor interface)



## ➤ Image Tools-2



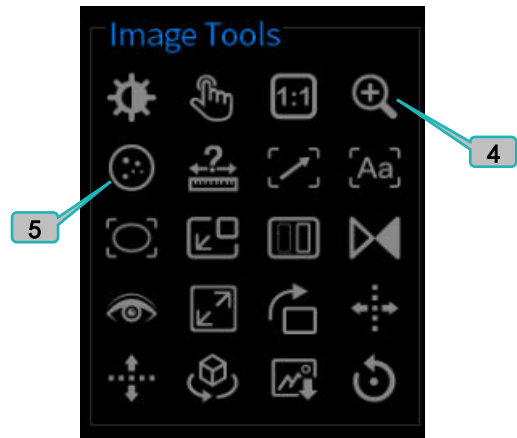
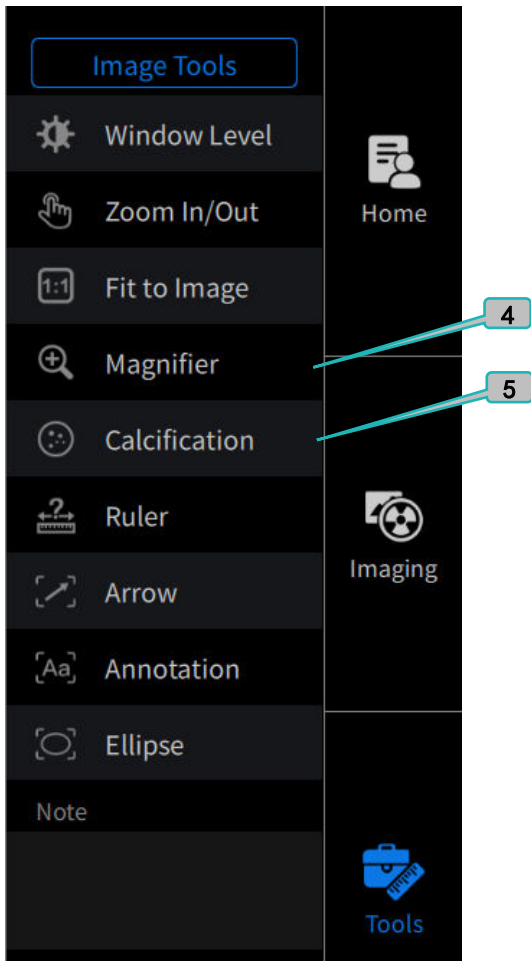
### 2. Zoom In/Out

The zoom in/out image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. The user can pinch with two fingers or expand two fingers on the touchscreen or the touchpad to decrease or increase the image size on the system monitor. The touchscreen will display a blue square to indicate the visible area of the system monitor. The user can also use one finger to push and hold the touchpad while the pointer is on the touchscreen to drag the blue square around. The system monitor will display whatever is inside the blue square.

### 3. Fit to Image

The Fit to Image tool changes the region of interest on the touchscreen to reflect the native resolution of the imaging panel. This will effectively zoom in on the image as viewed by the system monitor.

## ➤ Image Tools-3

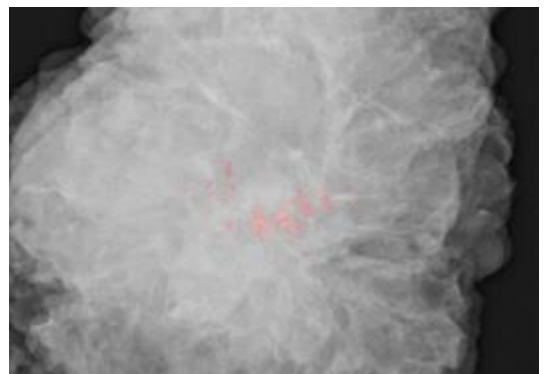


### 4. Magnifier

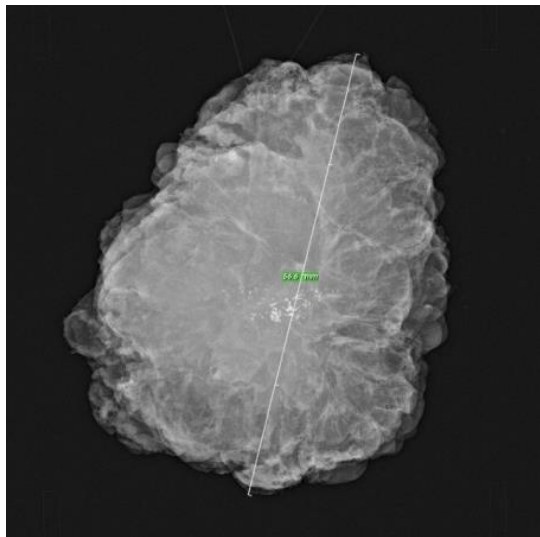
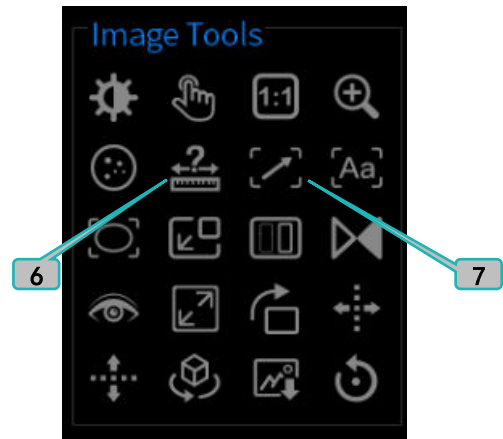
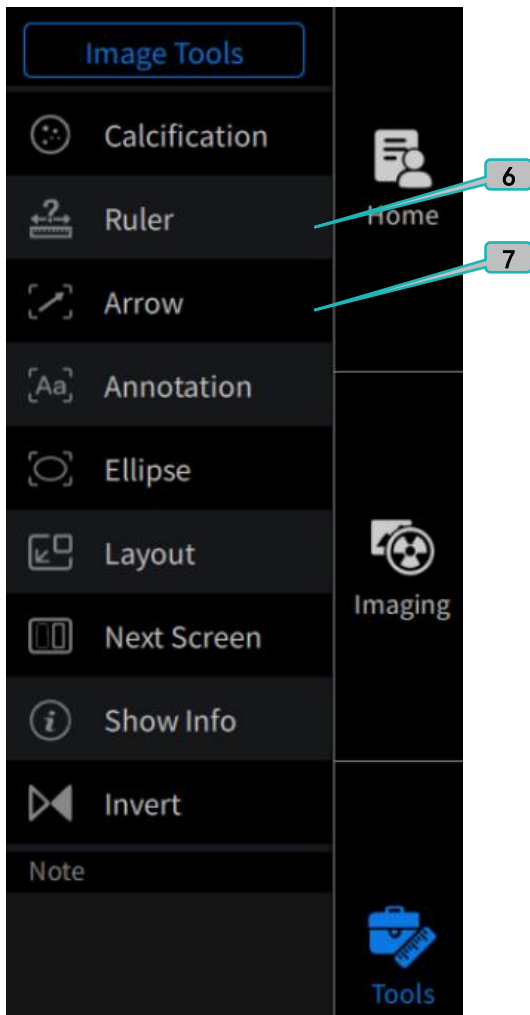
The magnifier image tool can be selected from the touchscreen image tools list or the system monitor image tools list. The magnification window has a fixed 2x magnification applied to the currently displayed image on the system monitor. The user can move the magnification window visible on the system monitor with the touchpad.

### 5. Calcification

The calcification image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. This tool will identify likely calcifications in the image of specimen by drawing a clearly visible red box around the suspected calcification or smudging red over the calcification.



## ➤ Image Tools-4



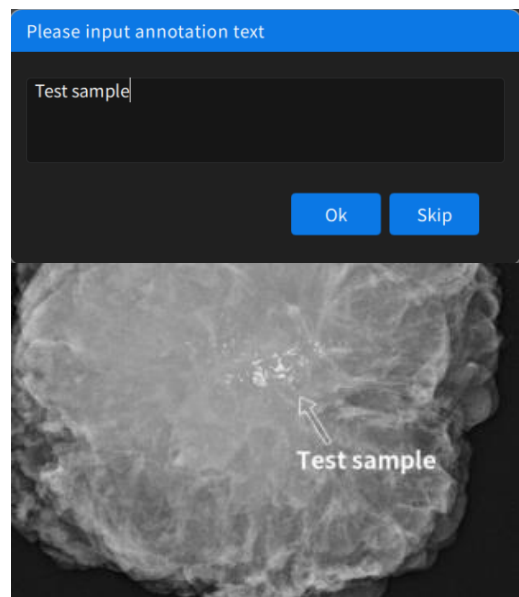
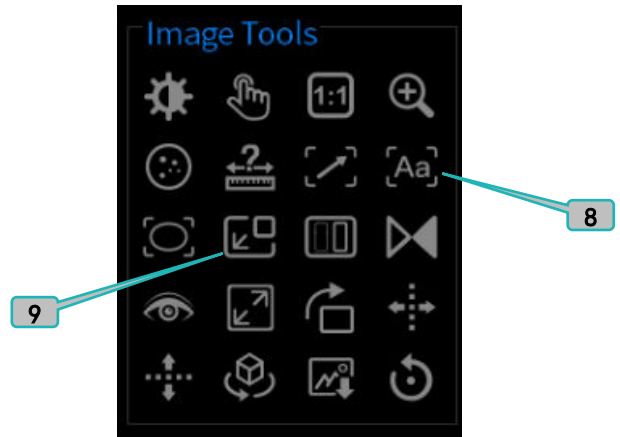
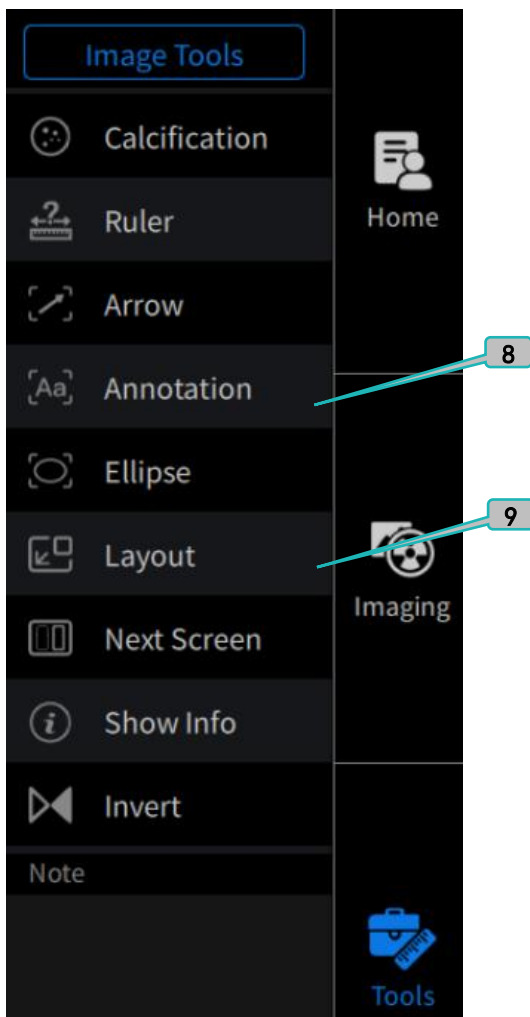
### 6. Ruler

The ruler image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. With the pointer in the image window of the system monitor, use the touchpad to move the pointer to location you want to begin measuring. A single press of the touchscreen will enable the ruler. Now use the touchpad to move the pointer to the second point of the measurement and again press the touchpad. The measurement and calculated length will be displayed on the image in the system monitor.

### 7. Arrow

The arrow image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. With the pointer in the image window of the system monitor, use the touchpad to move the pointer to location you want for the tip of the arrow. A single press of the touchscreen will place the arrow tip at your current location. Now use the touchpad to rotate the arrow around to the desired orientation. Another press of the touchpad will fix the arrow in place.

## ➤ Image Tools-5



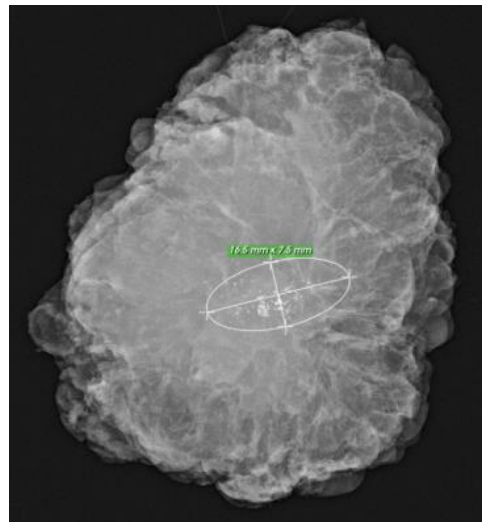
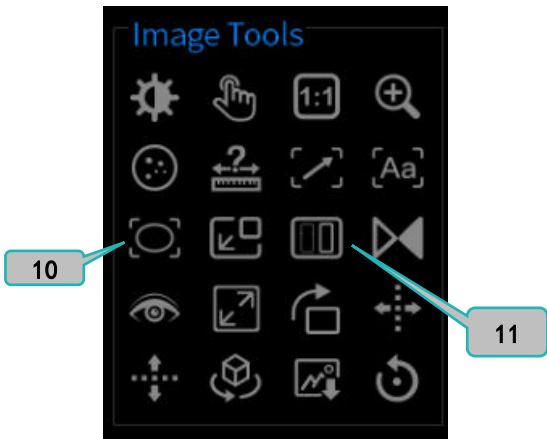
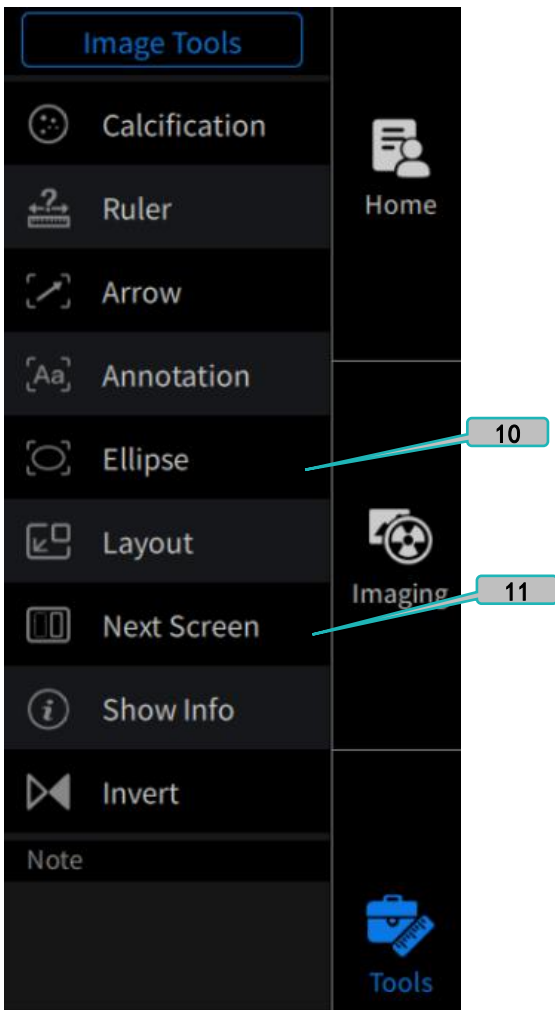
### 8. Annotation

The annotation image tool can be accessed from the touchscreen image tools list or from the system monitor image tools list. When the annotation image tool is selected, a text input window will appear. Enter the text you wish to have displayed on the image and then select ok. If the text on the image is not displayed in the desired location, hover the pointer over the text until the icon change to a four-pointed arrow. Simply select and hold on the touchpad to drag the text around the images and release the touchpad when the text is in the desired position.

### 9. Layout

The layout image tool can be accessed from the touchscreen image tools list or from the system monitor image tools list. Selecting this icon will cycle the number of displayed images on the system monitor between one, two, or four images.

## ➤ Image Tools-6



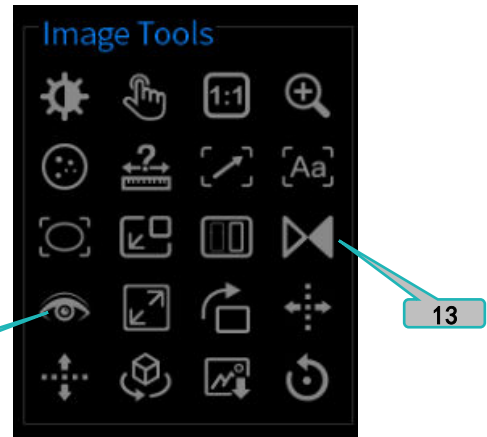
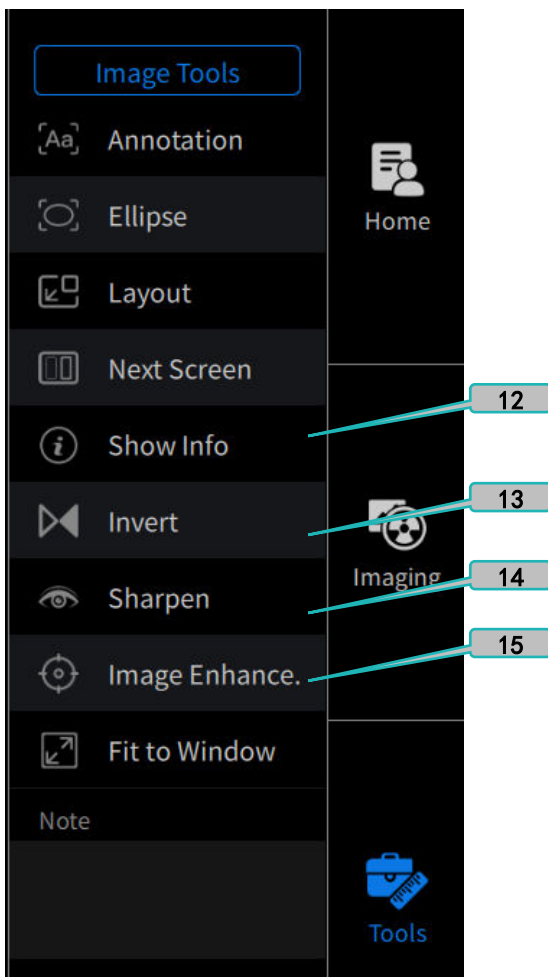
### 10. Ellipse

The ellipse image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. With the pointer in the image window of the system monitor, use the touchpad to move the pointer to the location you want to begin measuring the first axis of the ellipse. A single press of the touchscreen will fix the first point of the ellipse axis. Now use the touchpad to move the pointer to the second point of the ellipse axis and press the touchpad again. With the first axis of the ellipse set, use the touchpad to move the point and set the second axis of the ellipse. Once the second axis is at the desired length, press the touchpad again to finish drawing the ellipse. The parameters of the ellipse will be displayed on the image in the system monitor.

### 11. Next Screen

The next screen image tool can be accessed from the touchscreen image tools list or from the system monitor image tools list. Selecting this icon will sequentially change the active window on both the system monitor and the touchscreen.

## ➤ Image Tools-7



### 12. Show Info

The show info image tool is only accessible via the touchscreen image tools list. Selecting this icon will toggle between displaying the image information on the image in the active window of the system monitor.

### 13. Invert

The invert image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. Selecting this icon will invert the grayscale values of the image in the active window.

### 14. Sharpen

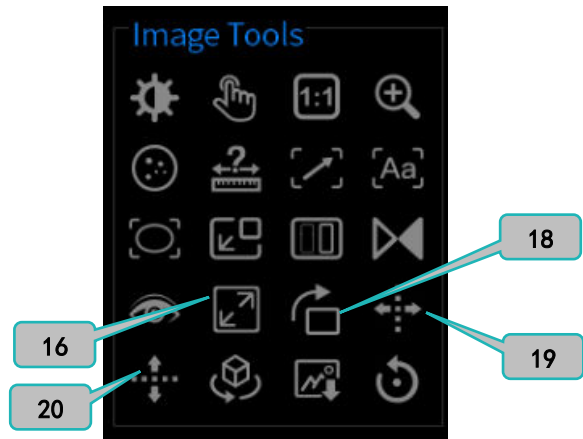
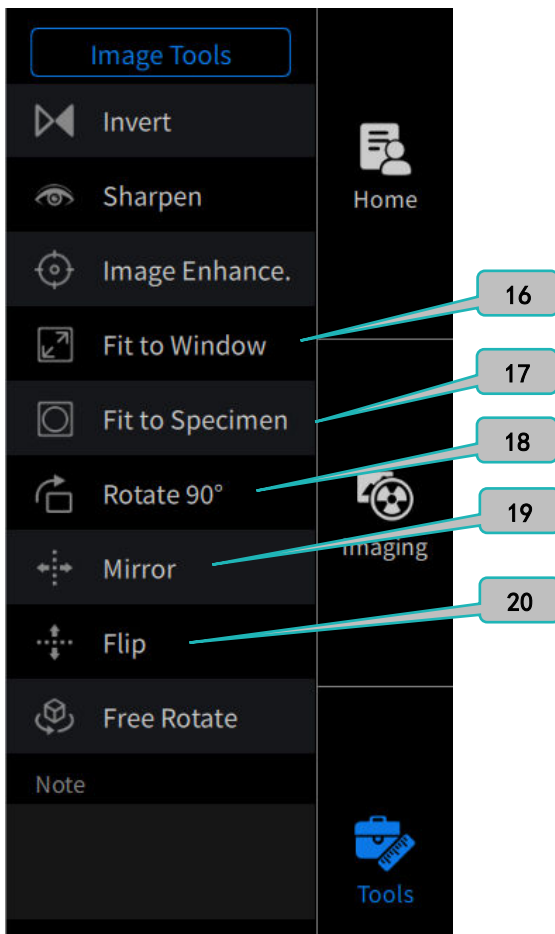
The sharpen image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. However, only the touchscreen interface will allow the user to use sharpening to the image in the active window. REF shows the pre-set image sharpening levels that can be applied to the image in the active window. If the user moves the pointer within the selected image window of the system monitor, then by pressing and holding on the system monitor the user may change the sharpen level by sliding left or right..

### 15. Image Enhancement

The Image Enhancement image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. This tool is intended to improve the contrast of the image.



## ➤ Image-Tools 8



### 19. Mirror

The mirror image tool can be accessed from the touchscreen image tools list or from the system monitor image tools list. Selecting this icon will mirror the image in the active window about the vertical axis (i.e. left to right).

### 20. Flip

The flip image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. Selecting this icon will mirror the image in the active window about the horizontal axis (i.e. top to bottom).

### 16. Fit to Window

The fit to window tool can be accessed from the touchscreen image tools list or the system monitor image tools list. Selecting this icon will change the region of interest on the touchscreen so that the entire image is displayed on the system monitor.

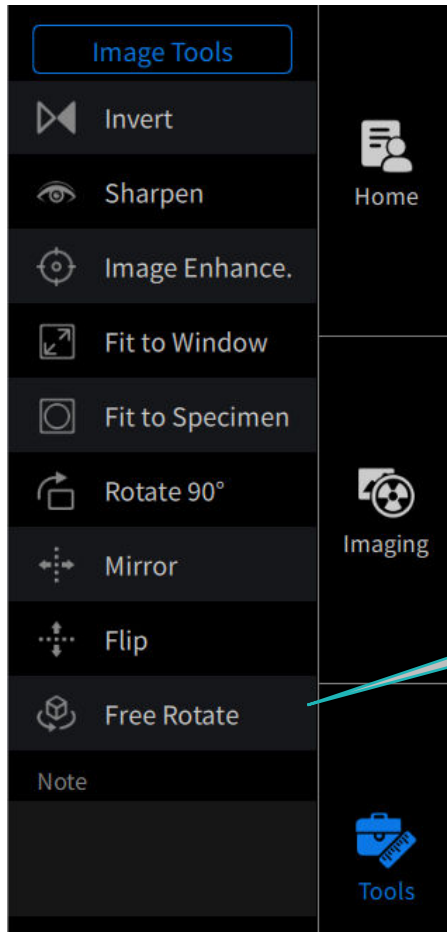
### 17. Fit to Specimen

The Fit to Specimen image tool makes the image with original size be displayed on the screen.

### 18. Rotate 90°

The rotate image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. Selecting this icon will cycle the image orientation in the active window by 90°.

## ➤ Image Tools-9

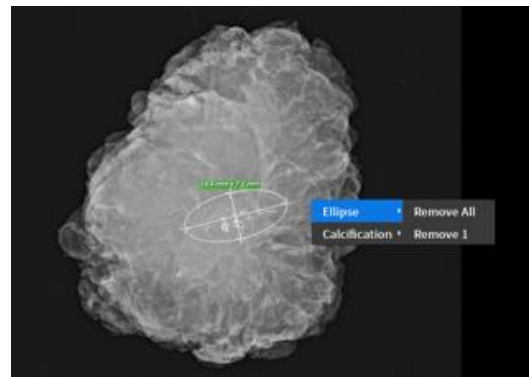


### 21. Free Rotate

The free rotate image tool can be accessed from the touchscreen image tools list or the system monitor image tools list. With the pointer in the image window of the system monitor, use the press and hold on the touchpad to rotate the display about the center of the image.

### 22. Save Image

The save image icon can be accessed from the touchscreen image area or the system monitor image tools list. Clicking this icon can save the image in the active window as a png and adds it to the Image list.



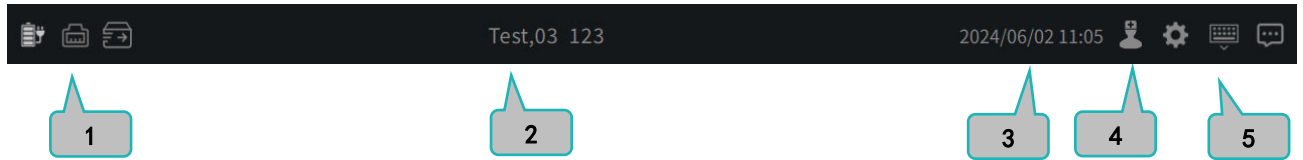
### 23. Reset

The reset icon can be accessed from the touchscreen image area or the system monitor image tools list. Clicking this icon can revert the image in the active window to the original image.

### 24. Delete

The marks can be erased by clicking with both fingers on the touchpad while the pointer is on the image on the system monitor. Select the option you want to delete and remove all options.

## ➤ Task Bar



### 1. State Identification

The icons include the current device (including power status, network connection, barcode reader, voice control, DICOM Spooler, etc.), and the relevant information will be displayed after the corresponding icon is selected.

### 2. Patient Information

The currently open patient information (including the patient's first and last name, patient number) is displayed.

### 3. System Time

The current system time is displayed.

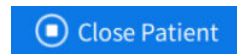
### 4. User

Click this icon to jump to the login page, and choose to log out or exit.

### 5. System Menu

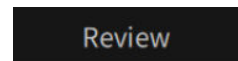
Clicking these icon can enter the "System Menu", "Keyboard" and "Message Box" functions individually to review the relevant content.

## ➤ End Exam



When all exams are completed, click the "Close Patient" button.

## ➤ Review



For registered patients, directly click the "Review" button in "Home" page to review patient data.

## ➤ System Cleaning and Service

Please use the specified detergent to wipe the equipment (more details in the relevant section of the user manual). Clean the control panel and the system monitor with a dust-free cloth specially designed for screen wiping. Don't spray the detergent directly on the equipment and cabinet. Please pour it on the dust-free cloth and wipe them.



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