SAMSUNG

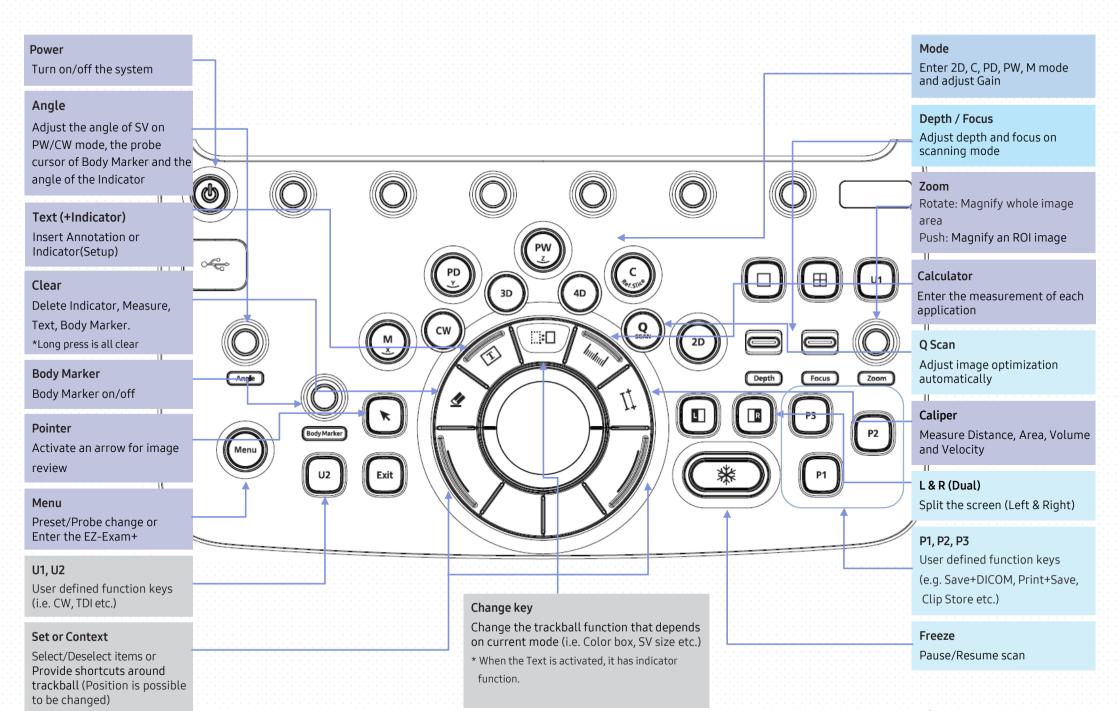


Unifying intelligence and performance

Quick Manual (Based on V 1.03)

X This Quick Manual does not include all of the details of instruction, For more detail, please refer to V8 User Manual.

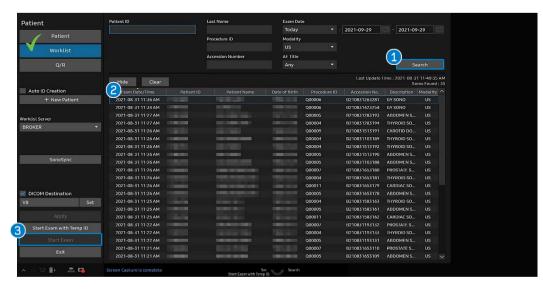
X Do not distribute this document to customers unless relevant regulatory and legal affairs officers approve such distribution.

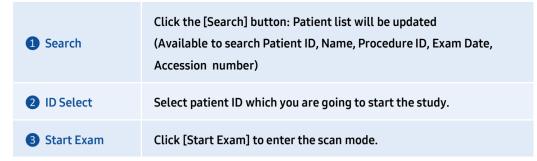


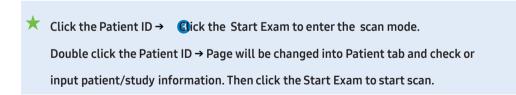
V8 Quick Manual

Worklist Search

- Tap the [Patient] button on the touch screen
 - * If you have already linked worklist server then it will be moved [Worklist] automatically.

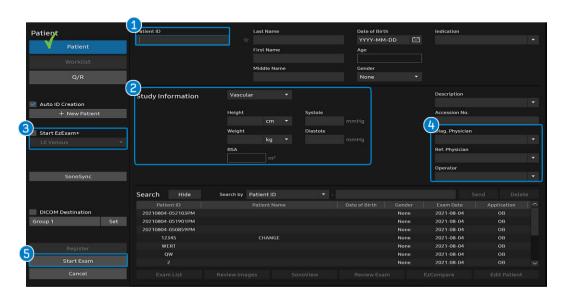






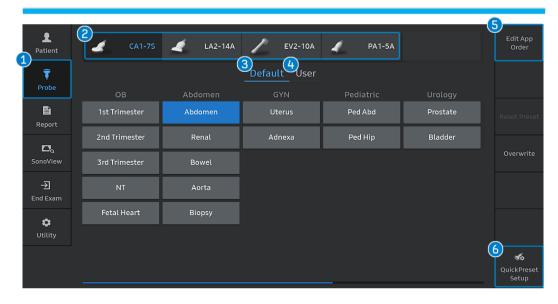
Registration of Patient

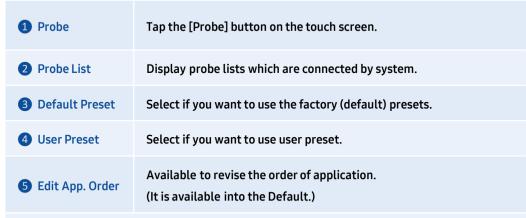
■ Tap the [Patient] button on the touch screen

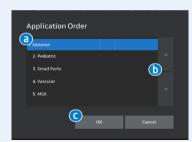


1 Insert ID	Input the Patient ID, Name, Birth, Age, etc.
2 Study Information	If you need to add the patient's further information, e.g. Input the OB Information. ① Enter the OB Application tab. ② Enter the GA, LMP, EDD, Number of fetuses etc.
3 Start EzExam+	Select the application and Exam type then start, chosen EzExam+™ protocol will be started.
4 Operator	Input the operator information. (Diagnosis / Reference Physician / Sonographer)
5 Start Exam	Click [Start] or [Freeze] button to start examination.

Probe Selection

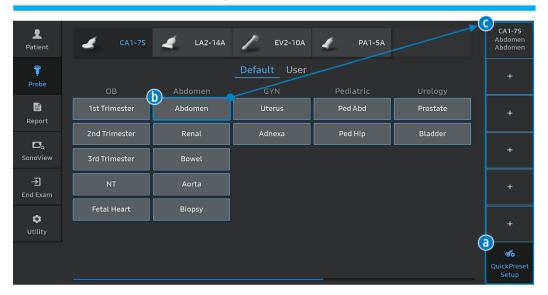






- Select the application that you want to move.
- **b** Adjust the order by clicking the up/down arrow.
- Click [OK] button to save.
 - → The changed application order will be displayed.

Quick Preset Setup

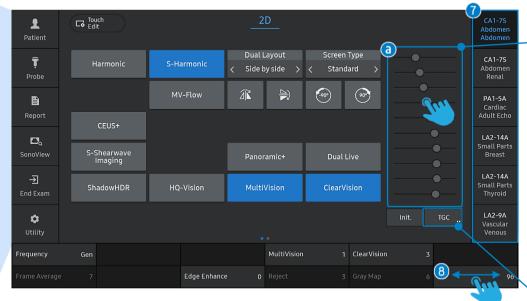


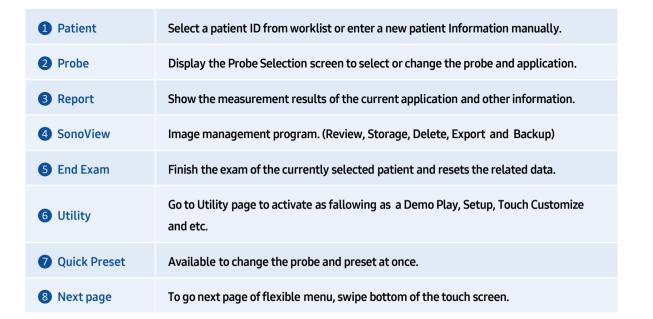
6 Quick Preset Set up Available to save the preset up to 6 which is frequently used. It will be displayed on the right side of the touch screen.

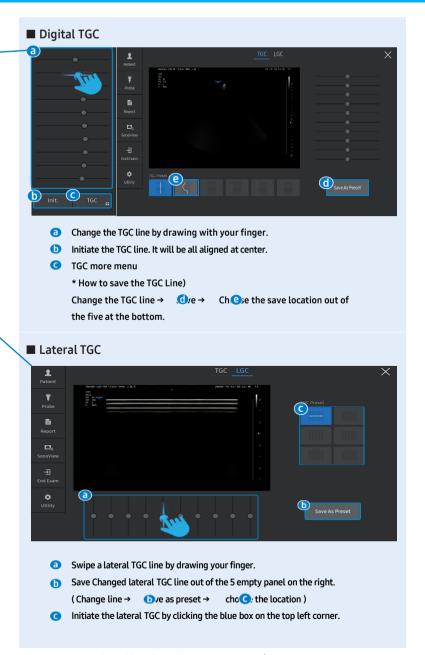
- (a) Tap the [Quick Preset Setup] button to customize
- **1** Tap the preset want to use in Default or User tab.
- Tap the location where you want to save onto the right.
- **1** To finish the set up, tap the Quick Preset Setup button once again.

Touch Screen - Scan Mode 1

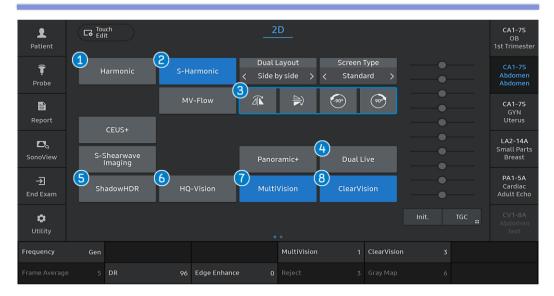


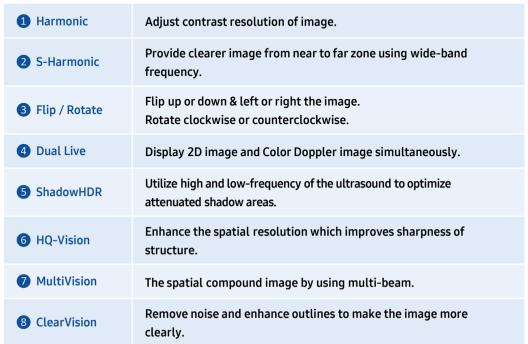






Touch Screen - Scan Mode 2





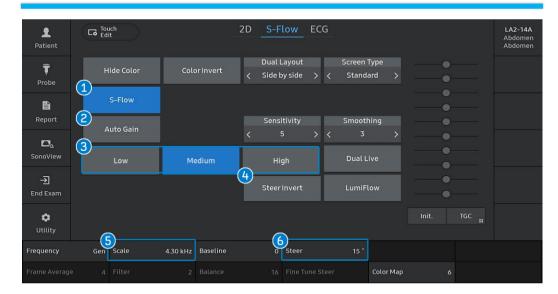
Touch Screen - Touch Customize



1 Mode Selection	Select mode between 2D, C, PW, PD, M, and More. Each [General] and [Flexible] menus are customized.
2 Live / Frozen	Touch Customize menu can be separately arranged in [Live] and [Frozen]image mode.
3 General	[General] menu includes main functional image items.
4 Flexible	[Flexible] menu represents soft menu items that are available in the current input mode as shown on the bottom of screen.
5 Save	Tap to save after customization.



Color/PD/S-Flow



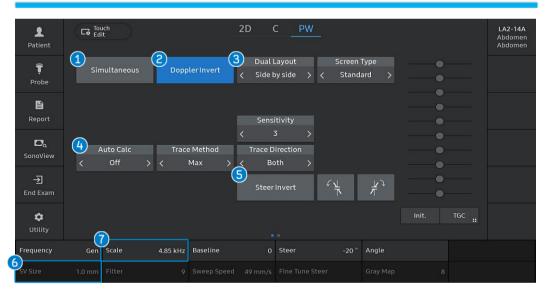


★ Smart Auto Doppler

Press [Q Scan] the control panel in the Doppler mode.

- Control the location of ROI and sample volume, direction of steer angle by one touch.
- Improve the complex UI workflow of Doppler mode.
- * Only available in vascular application of linear probe

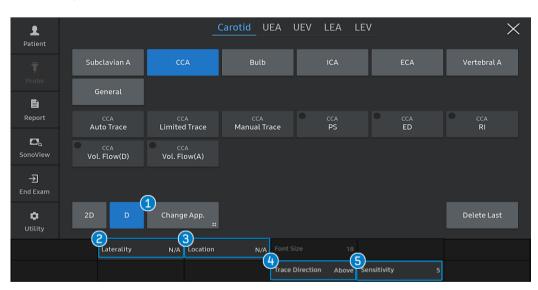
PW/CW Doppler



1 Simultaneous	View real-time 2D and Spectral Doppler image at the same time.
2 Doppler Invert	The spectrum inverts position of + and
3 Dual Layout	Select display format as Top-bottom or Side by side.
4 Auto Calc.	Automatically calculate the values of Doppler.
5 Steer Invert	Invert the angle of the sample volume.
6 SV Size	Select a SV size. (0.5 ~ 25mm)
7 Scale	Adjust the PW/CW PRF. (Adjust the velocity depending on vascular velocity.)

Measurement - Calculator

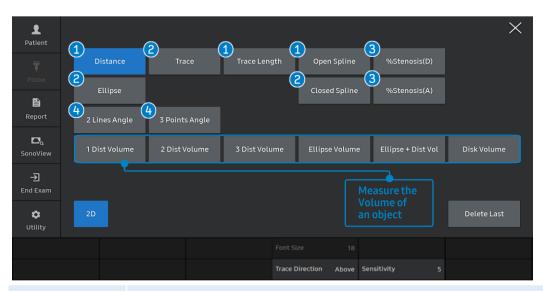
Calculator: Data measurement per each application. (e.g., OB, Cardiac, Vascular, Prostate, etc.)



1 Change App.	Provide calculate package of selected probes/ applications. Can be changed when measuring other application items.
2 Laterality	Select Right , Left , or N/A as the location of your measurement target. This is displayed on the touchscreen only for specific packages.
3 Location	Specify the location of the measurement target.
4 Trace Direction	Select the trace direction of the Doppler spectrum.
5 Sensitivity	Adjusting the Sensitivity facilitates Doppler spectrum analysis.

Measurement - Caliper

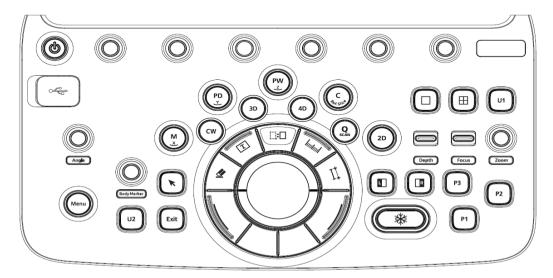
Caliper: Measure (by using a trackball and [Set]) selected items. (e.g., Distance, Area, Volume, Doppler measure, etc.)



1 Distance	Distance Open Spline Trace Length	Measure the straight distance between 2 points. Measure traced curved-line. Use the trackball to draw the desired curve.
2 Area	Ellipse Trace & Closed Spline	Measure the circumference area. Measure the area by tracing and drawing. Measure the area with a connected point.
3 %Stenosis(D) %Stenosis(A)		Diameter & Area of a vessel are measured and the stenosis ratio is calculated.
4 Angle	3 Points 2 Lines	Measure the angle using 3 points. Measure the angle between 2 lines.

Image Save

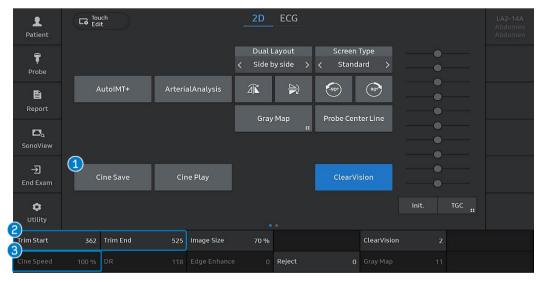
■ Save Still Image, Volume data and Cine.



P1, P2, P3, U1, U2 [Peripheral Key]	Various functions can be saved such as Save, Cine, B/W Print, Color Print, Send to DICOM, Biopsy, TDI and etc. * Possible to set the functions: Utility → Setup → Customize → User Key
Still or Cine Save, Volume Image	Still Image, Volume data and Store Clip can be saved on to using [Peripheral Key]. * To check the assigned key, refer to key guide on the bottom of the monitor.

Cine Save - Freeze Mode

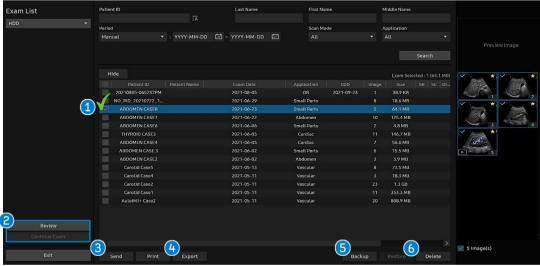
■ Save a video interval of Unfreeze and Freeze mode up to maximum frame.



1 Cine Save	Tap the [Cine Save] to save the specified image frames by tapping it. (Only available on Freeze mode)
2 Trim Start Trim End	Set the first frame of the cine images to be saved. Set the last frame of the cine images to be saved.
3 Cine Speed	Set Cine play speed. (It can be set from 6% ~ 300%)

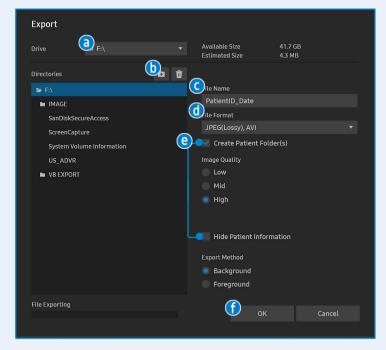


SonoView - Image Review, Export & Backup



Check the combo box (\sqrt{in front of the patient ID in the [Exam List]. Select Exam · Review Exam: The exams that were performed prior to the last 24 2 Review or hours. Continue Exam · Continue Exam: The exams that were performed within the last 24 hours. Transfer the saved images to PACS server. Send (Press [Send] → Select [DICOM Destination] → Press [Transfer] * Transfers all images on selected exams. Convert image to PC compatible format such as BMP, JPEG, DICOM, TIFF, 4 Export AVI and MP4. Only the back up data can be reviewed on the system. Backup Press [Backup] → Select [Drive] → USB(F: \) 6 Delete Delete the saved exams.

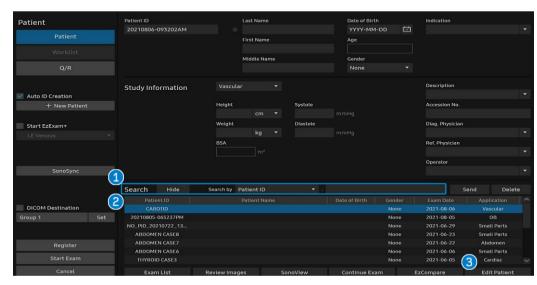
- The method to manually transfer images
- 4 Export
- Select Drive. (USB F: \)
- Directories: Select the location in which the exam will be saved.
- G Enter the file name
- Select file and video format. (BMP, JPEG, TIFF, DICOM, AVI, MP4)
- **©** · Create Patient Folder(s): Categorized files per date and patient ID Click
 - · Hide Patient Information: To remove patient ID and name.
- Select the [OK].

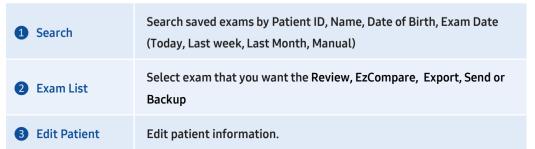




SonoView - Image Management

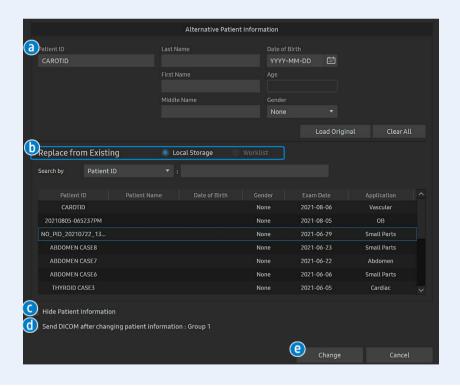
■ Tap the [Patient] ♣ the touch screen.





- Select the exam to change and enter the [Edit Patient]

 * Only available patient who has been tested within 24 hours.
 - Check the patient information to edit. Then Create patient information manually.
 - Select the Local(HDD) or Worklist
 - · Local Storage: Change patient information to saved exam in the HDD.
 - $\cdot \ \text{Worklist: Change patient information to information in the Worklist.}$
 - Hide patient information on the image after change patient information.
 - **1** DICOM send option can be selected after change patient information.
 - Press [Change].



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