SAMSUNG

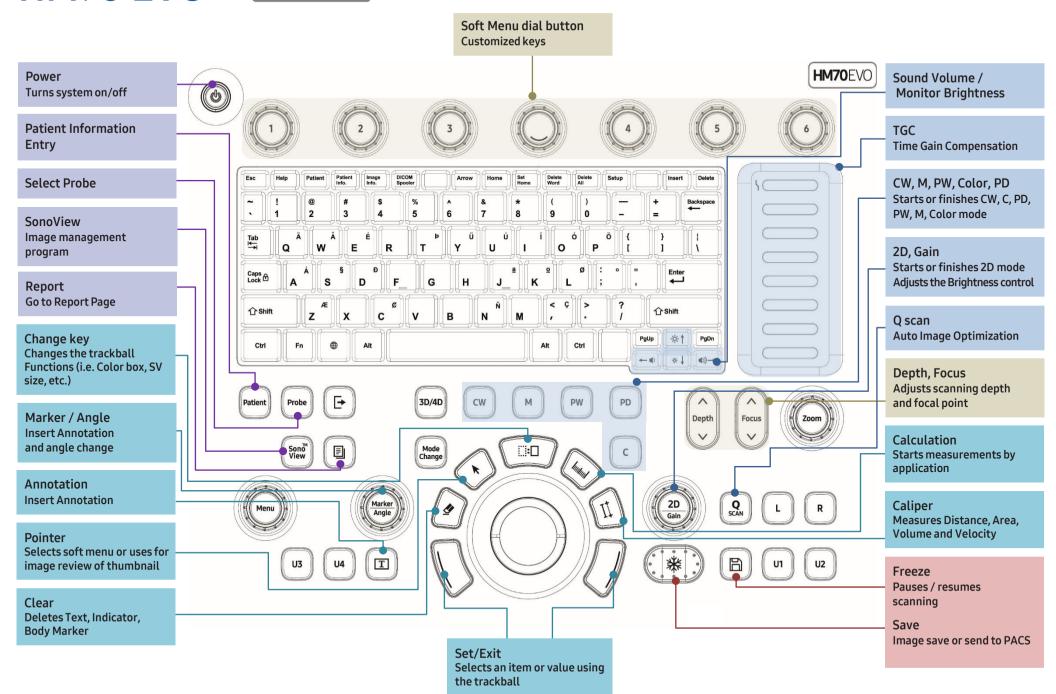
HM70 EVO

Quick Manual



Produced by Clinical Training Center of SAMSUNG MEDISON

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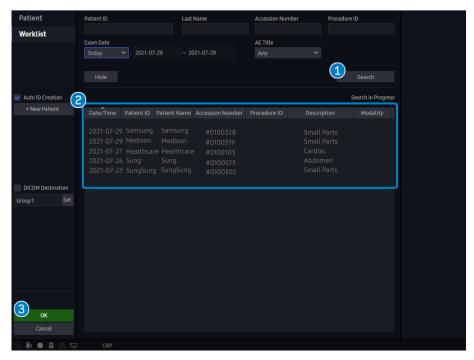




Worklist Search

■ Select [Patient] on the control panel.

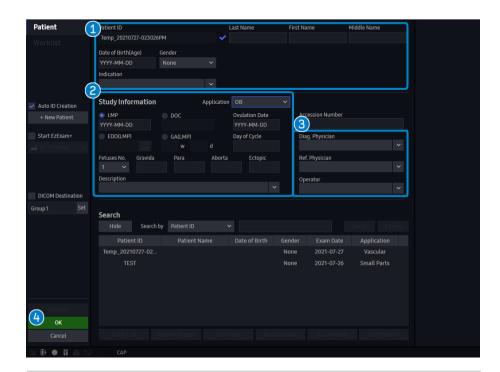
(A Worklist search is available only when DICOM is connected.)

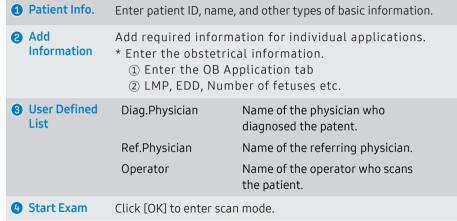


1 Search	When you click [Search], the list of patients who match the search criteria will be displayed. Patient ID, Last Name, Accession #, Procedure ID can be used as search criteria.
2 ID Select	Double Click on desired patient list. This applies the selected patient information to the system.
3 Start Exam	Click [OK] to enter scan mode.

Registration of Patient

■ Select [Patient] on the control panel then select patient on the monitor screen.

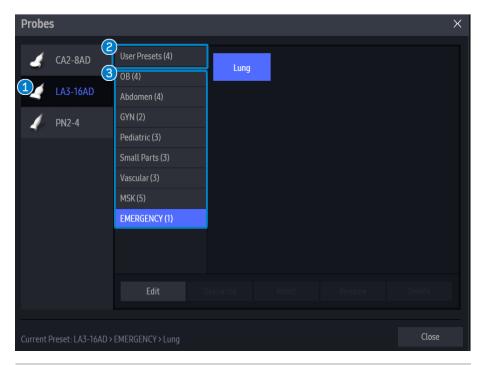






Probe Selection

■ Click the [Probe] in the upper left of the control panel.

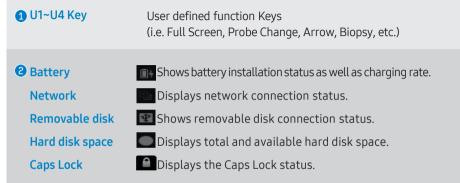


1 Probe Type	Displays a list all probes currently connected to the system. Select the probe icon you would like to use.
2 User Preset	User presets function can be set up on user's preference.
3 Default Preset	Select it when you want to use the factory (default) setting.

User Information

Information can be viewed on the monitor.





Quick Manual

2D Mode

■ You can configure the Knob menu layout for 2D mode.



1 Frequency	Used to change the probe's frequency.
MultiVision	The spatial compound image by using multi-beam.
3 ClearVision	Removes noise and enhances outlines to make the image more clearly.
4 Harmonic	Adjusts contrast resolution of image.
6 Dual Live	Displays 2D image and Color Doppler image simultaneously.
6 Trapezoidal	Changes rectangular format from linear probe to trapezoidal format, so can provide wider view angle.

M Mode

■ You can configure the Knob menu layout for M mode.



1 Gain	Adjust it by using the dial-button.
2 Sweep Speed	The speed can be changed.
3 M mode Map	Set the Post Curve value for the image.
4 AMM Angle	Rotates the Anatomical M cursor line.

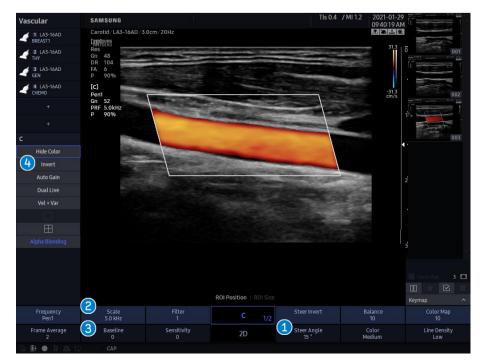
Anatomical M

This is available only for the Phased Array probe and Curved Array probe's Fetal Heart preset, or the Cardiac application. (CA2-8AD, C2-8, PN2-4, SP3-8, VN4-8)



Color/Power Doppler/S-Flow

■ You can configure the Knob menu layout for Color/Power Doppler mode.

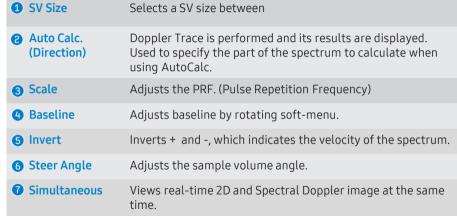


1 Steer Angle	Adjusts the angle of Color box.
2 Color Scale	Adjusts the PRF. (Pulse Repetition Frequency)
3 Baseline	Adjusts baseline by rotating Knob-menu.
4 Invert	Inverts + and -, which indicates the velocity of the spectrum.

PW Doppler

■ You can configure the Knob menu layout for PW Doppler mode.

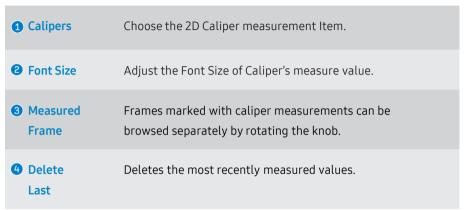


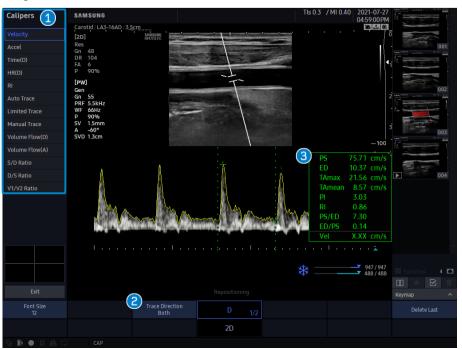




Measurement – Caliper





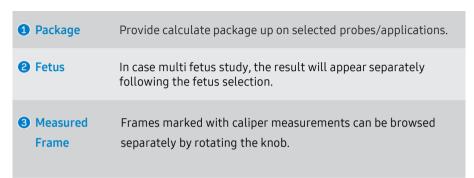


1 Calipers	Choose the PW Caliper measurement Item.
Trace Direction	Select the part of the spectrum to calculate wit AutoCalc from Both, Above, or Below.
Result Repositioning	Can move the measurement values displayed on screen by dragging to their preferred location with the trackball.



Measurement – Calculation







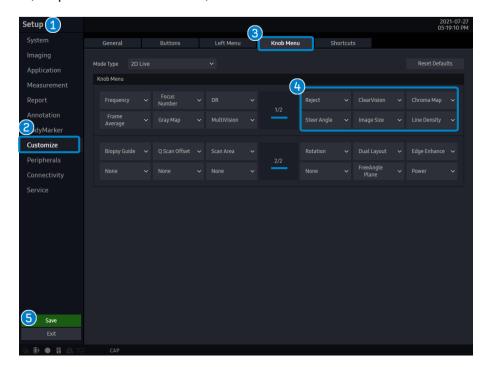
■ Measurements in Doppler Mode

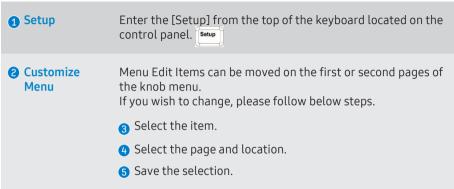
Doppler Trace [Only available in Spectral Doppler mode]
Manual	Traces Spectral Doppler Wave Form and calculate velocity, integral value and average velocity of blood flow. (includes measuring S/D ration. RI, PI, Velocity gradient, Time gradient and Acceleration time.)
b Limited	Automatic spectrum trace within specified range.
G Auto	Automatic spectrum trace within whole range.



Utility/Knob Menu Edit

■ Can Edit the Knob menu for each mode in the setup page. (Setup – Customize – Knob Menu)





Needle Mate+

■ Can enter the [Needle Mate+] using the left menu.



1 Needle Mate+	Provide more clear presentation of biopsy needle on image.
2 Needle Direction	Sets the direction of needle entry. (Left ↔ Right)
3 Needle Angle	Sets the direction of needle entry. (Shallow, Medium, Steep)
4 Needle Enhance	Sets up the thickness and strength of the needle. (1 Step \sim 4 Step)

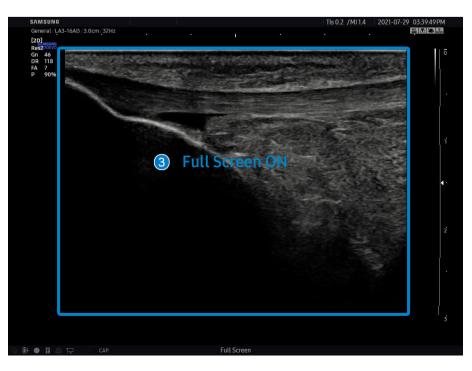


Full Screen Mode

■ Full screen mode allows to use maximized image area.







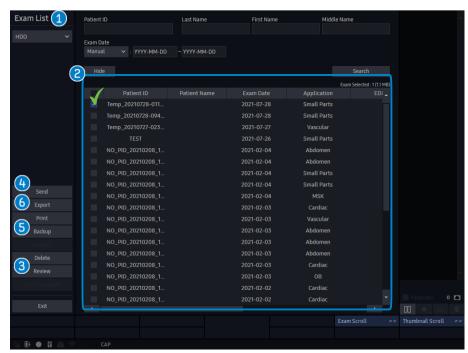
Maximize image area by clicking user key and customize the user key in the set-up menu.

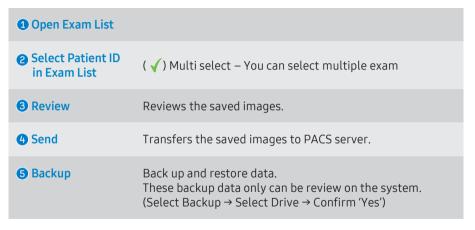
Full Screen Mode Setting Method Match full screen function to user key you would like to use. Go to [Setup] → [Customize]→ [Buttons] Press the user key on the control panel. The image area of the monitor is expanded to full screen. (It is useful for ultrasound guiding procedures.)

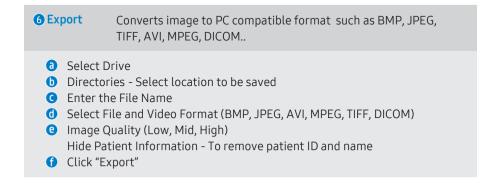


SonoView – Image Management, Export & Back up

- SonoView is a image management program.
- Select SonoView at the left of the control panel.





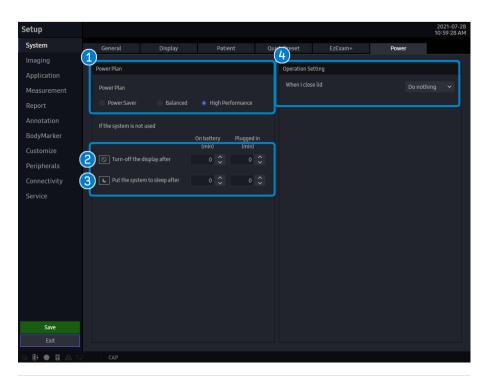






System Power Function Setting / Wireless Network Setting

■ Power Plan Setting / Operation setting

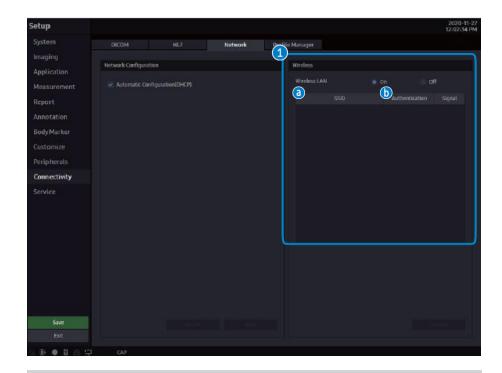


Power Plan
 The setting status of battery mode and plugged in mode, perform the following actions for power reduction. There are 3 options; Balance, High Performance, Power Saver

 Turn off the display (Screen saver)
 Sets the time to change to screen saver.

 Put the computer to sleep (Sleep Mode)
 Lid Setting
 Power setting when folding monitor. There are 3 options; Do Nothing, Shut Down, Sleep

■ Wireless Network Setup



1 Wireless LAN	Connect the product to a wireless network through a USB adapter.
a SSID	Displays the name of the connected wireless network.
• Authentication	Displays the access authentication method for the wireless network.

