SAMSUNG
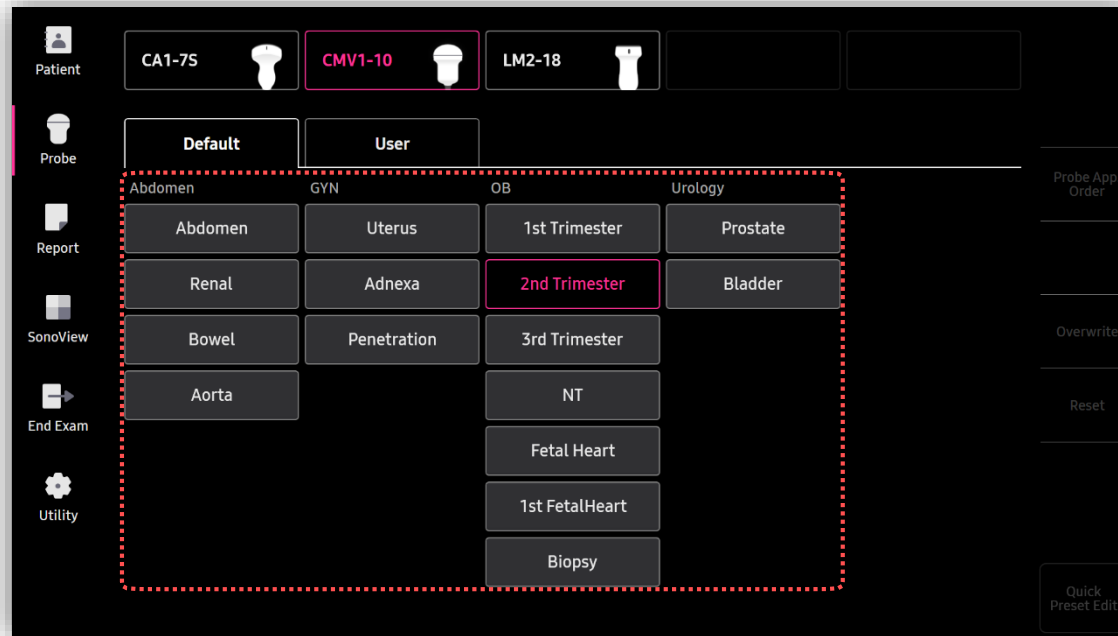
LumiFlow™

HERA Z20 **Quick Guide**
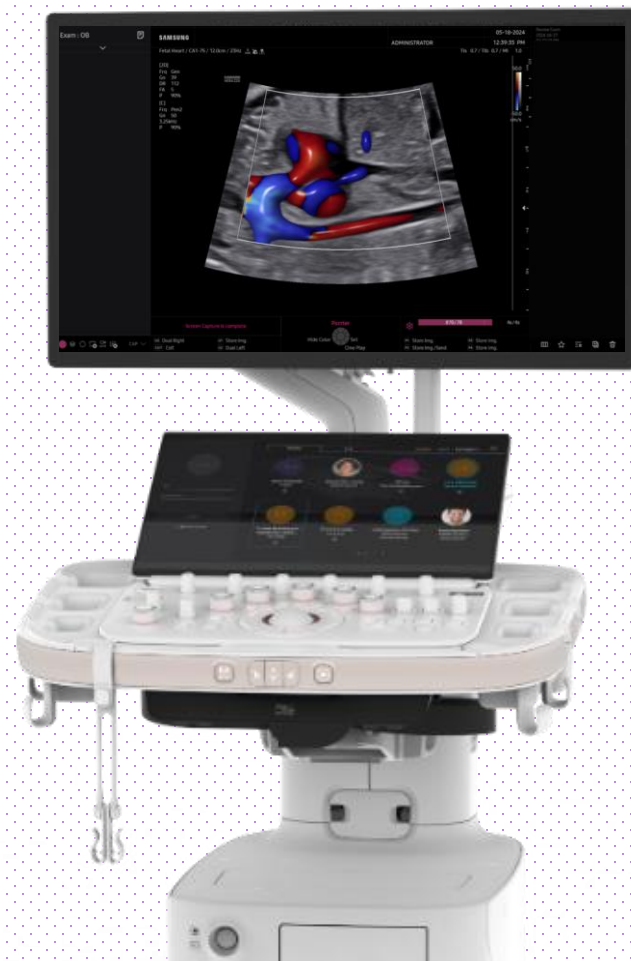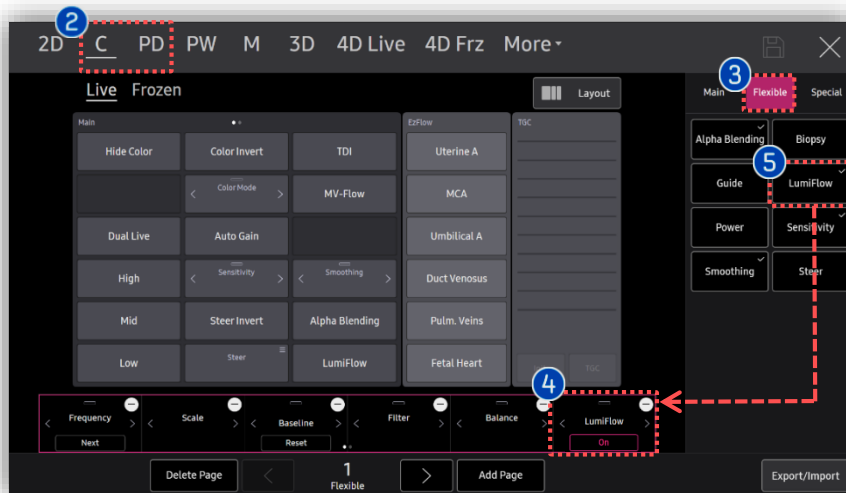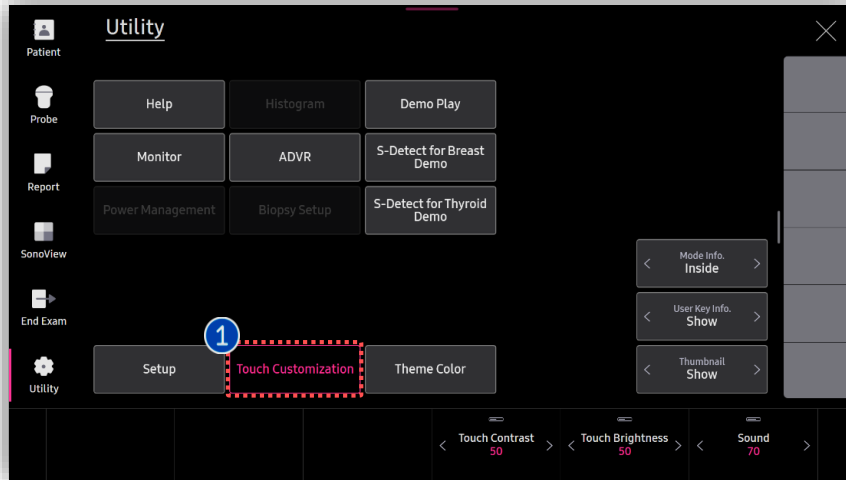
LumiFlow™

1. Probe and Preset

※ LumiFlow™ is supported in all of the probes and presets.

Probe	Application
All Probes	All Presets

LumiFlow™

2. Touch Customize for LumiFlow™

①	Touch Customize	Go into the [Setup] page and Tab the [Touch Customize] button.
②	Select Image mode	Select each Doppler mode. (C/PD/MV-Flow)
③	Flexible Menu	Tab the [Flexible menu] to customize the button arrangement on the flexible menu.
④	Arrange the Flexible menu	In order to locate the [LumiFlow] button on the 1st page of flexible menu, make a room on it by deleting one of parameters.
⑤	Locate the LumiFlow	Locate the [LumiFlow] button on the 1st page of touch screen so that user can frequently activate it on Doppler mode.

★ Tips

Since LumiFlow can be activated on the both Live and Frozen status, it's recommended to perform the "Touch Customize" job on the both modes.
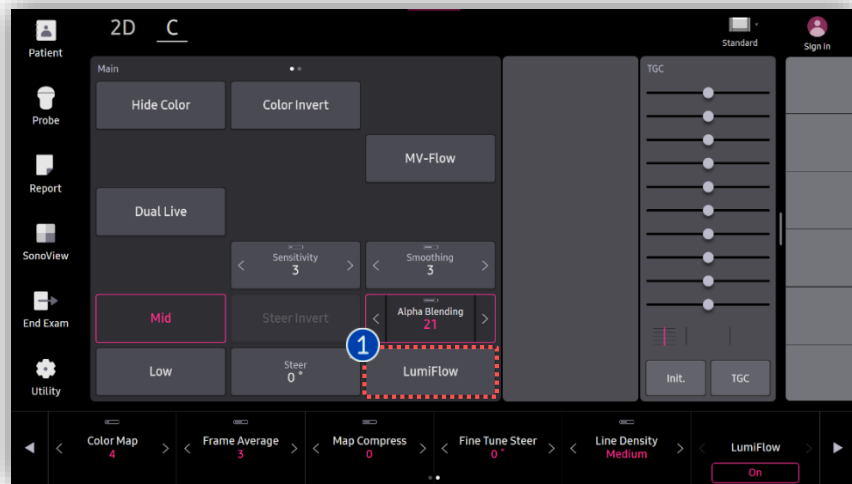
LumiFlow™

3. Flow Image acquisition

① Flow Image acquisition	Acquire a **flow image** with the structure you wish to apply LumiFlow.

LumiFlow™

4. Apply LumiFlow™

LumiFlow provides a 3D-like appearance to all of flow imaging mode. By applying the LumiFlow mode, it can help you to easily observe the hemodynamic flow within the vascular structure.

① **LumiFlow**   Tab [LumiFlow] button on the touch screen to apply the LumiFlow mode on the frozen image and live scan.
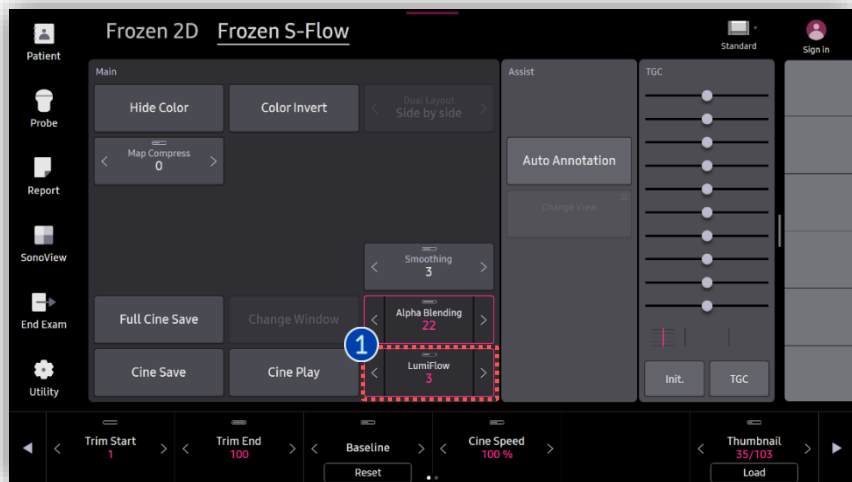

[S-Flow]

[After applying the LumiFlow on S-Flow]

HERA Z20

5. Each Flow mode with LumiFlow™

① **Each Flow mode with LumiFlow**

LumiFlow is applicable to each flow imaging mode to provide a volumetric visualization effect on it. Also, LumiFlow is available on both the Live mode and Frozen mode.
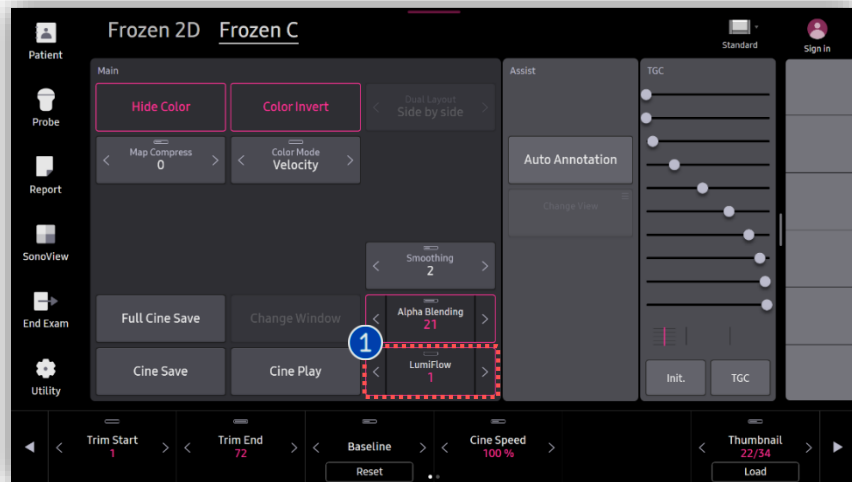

[Color Doppler with LumiFlow]

[S-Flow with LumiFlow]

[MV-Flow with LumiFlow]

LumiFlow™

# 6. Adjust the Index of LumiFlow™

| ①	Adjust Index (1-5)	You can adjust the index value depending on the vessel size and characteristics.
	Low Index (1-2)	The lower index value is more appropriate for imaging the tiny vessels due to its more detailed expression.
	High Index (3-5)	The higher index value is more appropriate for imaging the relatively large vessels and heart chambers due to its smoother expression.
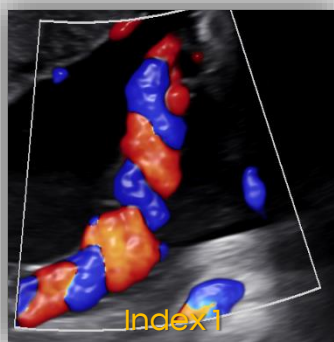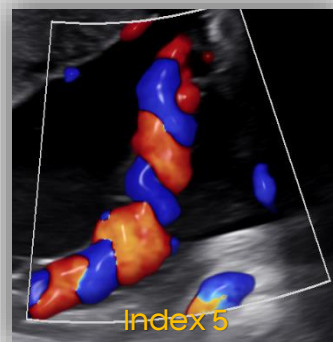
[Umbilical Cord]
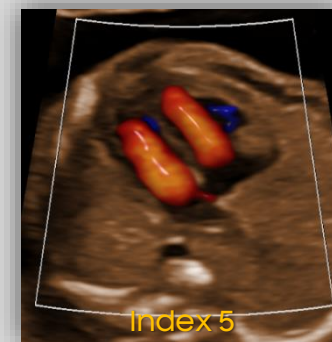
[Fetal Heart]

LumiFlow™

7. Display LumiFlow™
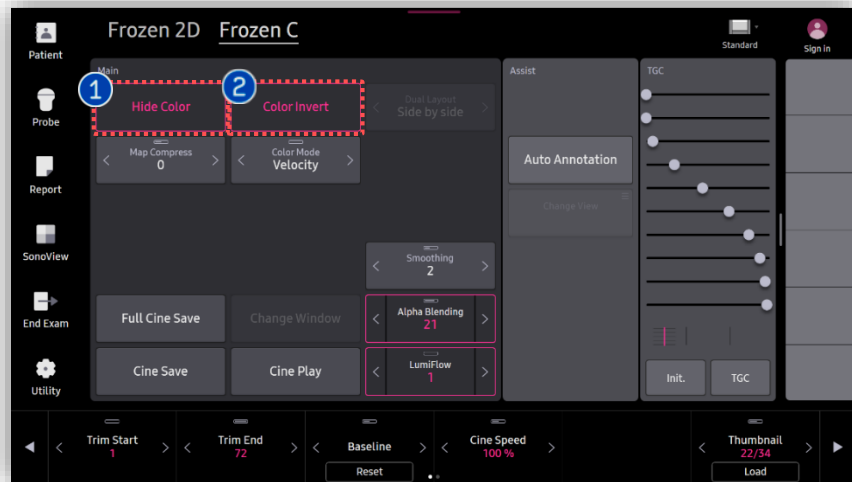
①	Color Invert	As you tab [Color Invert] button on the touch screen, the color bar is inverted, which also inverts the displayed color image.
②	Color off	Color images are not displayed so that you can observe the background grayscale image without overlaid color display.

[Color Invert]

[Color Off]

- The features mentioned in this document may not be commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed.
- Do not distribute this internal document to customers unless relevant regulatory and legal affairs officers approve such distribution.
- This product is a medical device, please read the user manual carefully before use.
- This document is provided to help you understand the feature.
- This User Quick Guide is based on HERA Z20 V1.00
- Disclaimer: Some Images in this content were obtained from other system.