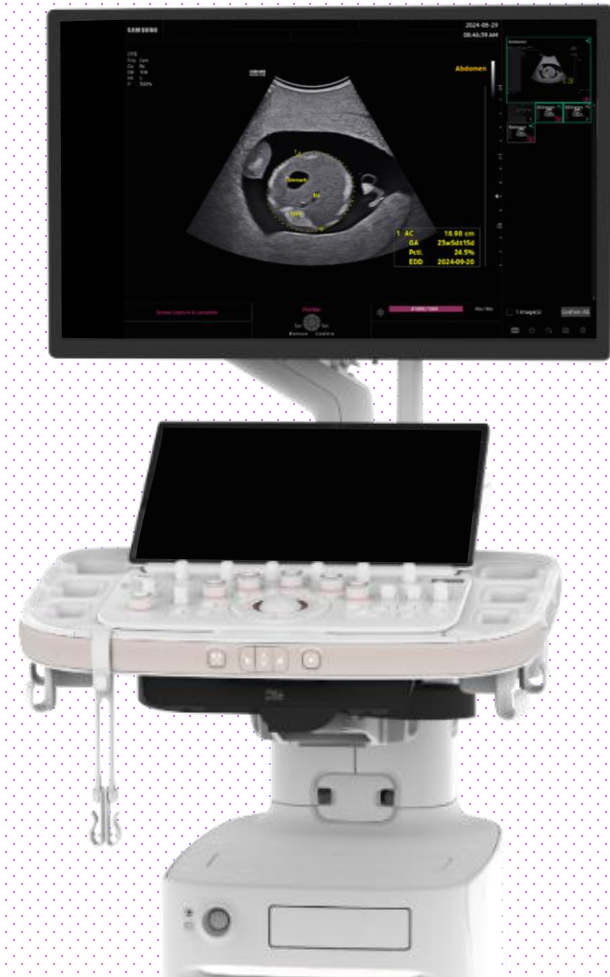


Live ViewAssist™

HERA Z20 Quick Guide



1. Start Exam with Live ViewAssist™

The screenshot displays the patient information page in the HERA Z20 software. The interface is dark-themed. On the left sidebar, the 'Patient' button is highlighted with a red dashed box and a blue circle containing the number 1. The main area contains various input fields for patient information, including Patient ID (20240528-27), Last Name, Date of Birth, Age, Gender, First Name, Middle Name, and Indication. The 'Study Information' section includes a dropdown menu for 'OB', checkboxes for 'EzExam+' and 'EzCheck', and a dropdown menu for 'Assist' which is currently set to 'Default' and highlighted with a red dashed box and a blue circle containing the number 2. Below this, there are fields for LMP, EDD(LMP), GA(LMP), FETUSES No., Gravida, Accession No., Ovulation Date, Para, Ref. Physician, Operator, Day of Cycle, Aborta, Description, and Ectopic. At the bottom, there is a 'Patient List' table with columns for Patient ID, Patient Name, Date of Birth, Age, Gender, Exam Date, and Application. The 'Start Exam' button in the bottom left corner of the control panel is highlighted with a red dashed box and a blue circle containing the number 3.

1 Patient

Enter Patient information on the patient information page.

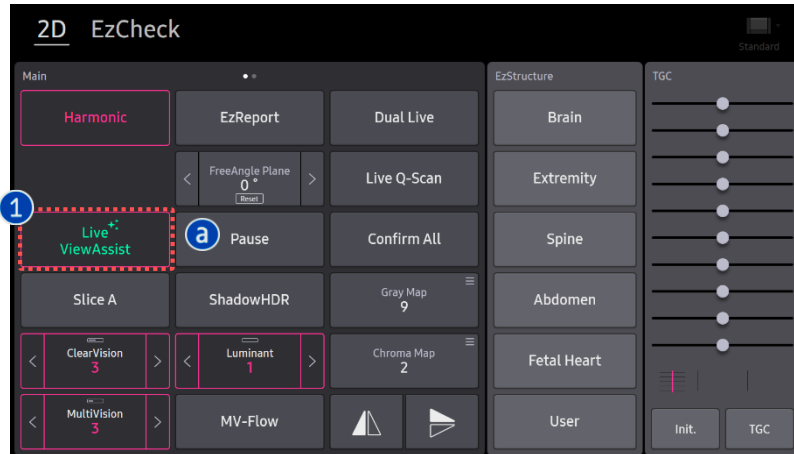
2 Select Live ViewAssist

Drop down the Assist box and select the desired protocol.

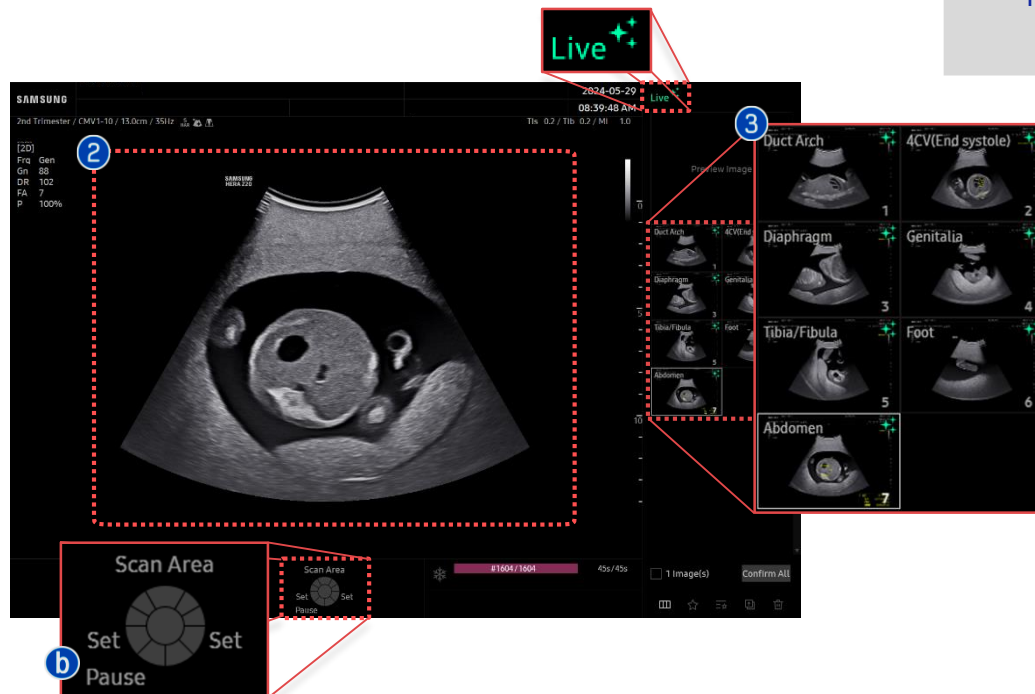
3 Start Exam

Press [Start Exam] button on the control panel or touch screen to start the exam.

2. Start Live ViewAssist™



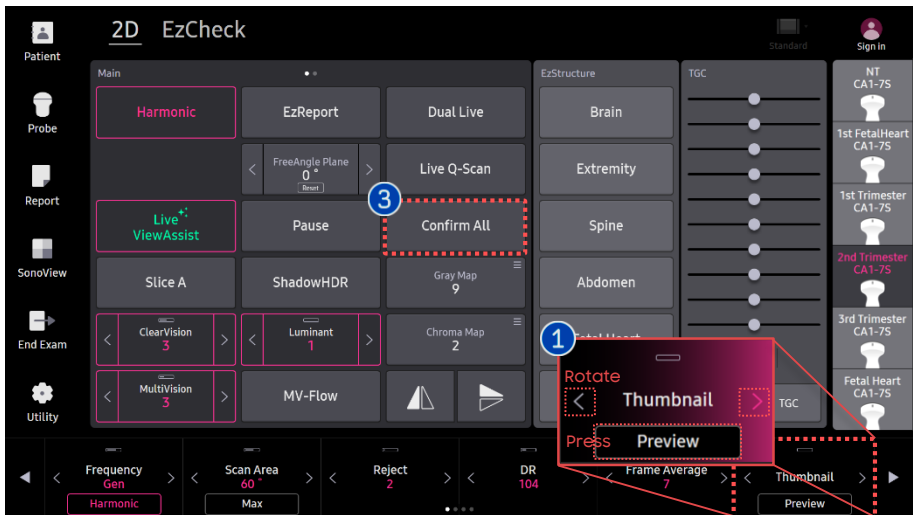
<p>1 Press Live ViewAssist</p>	<p>Press [Live ViewAssist] button on the touch screen to start Live ViewAssist. <i>※ You can see an icon in the upper right corner of the monitor that indicates the Live ViewAssist is running.</i></p>
<p>2 Scan</p>	<p>Start scanning your exam.</p>
<p>3 Check the Thumbnail</p>	<p>Live ViewAssist automatically recognizes the view you are scanning and provides temporarily saved images on the thumbnail.</p>



★ Tips

You can pause Live ViewAssist by pressing the [Pause] button on the touch screen (a) and the context key on the control panel (b). Images scanned in the pause state are not temporarily saved to thumbnails.

3. Review and Confirm the image



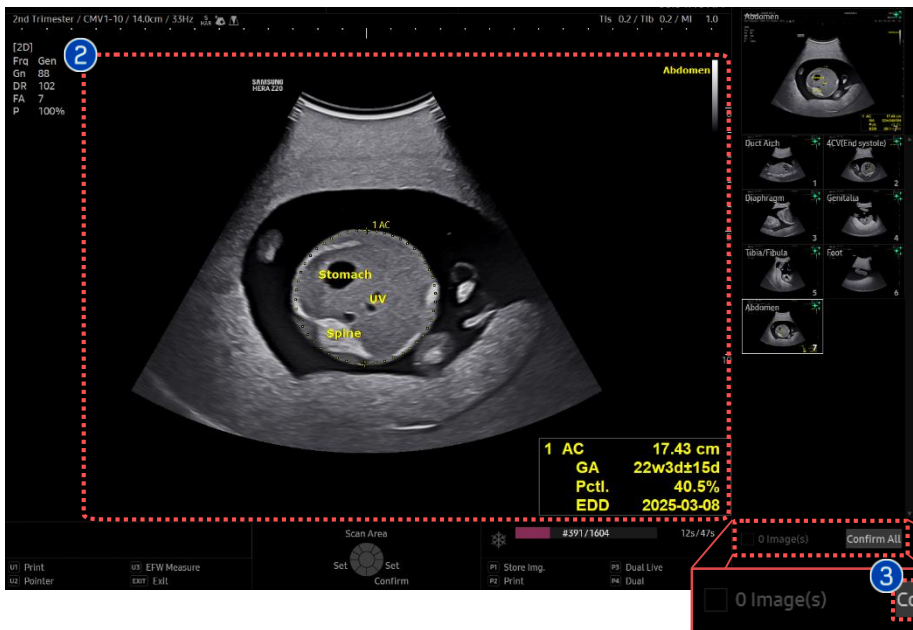
1 Thumbnail & Preview key

Press and rotate the Thumbnail toggle key to review all temporarily saved images.

2 Review the image

The information that the candidate image contains can be divided into four types, depending on the settings in Assist setup.

Live ViewAssist options		What candidate images contain
Auto Annotation	Auto Measurement	
Check	Check	Text & Meas.
Uncheck	Check	Only Meas.
Check	Uncheck	Only Text
Uncheck	Uncheck	Only images without Text & Meas.



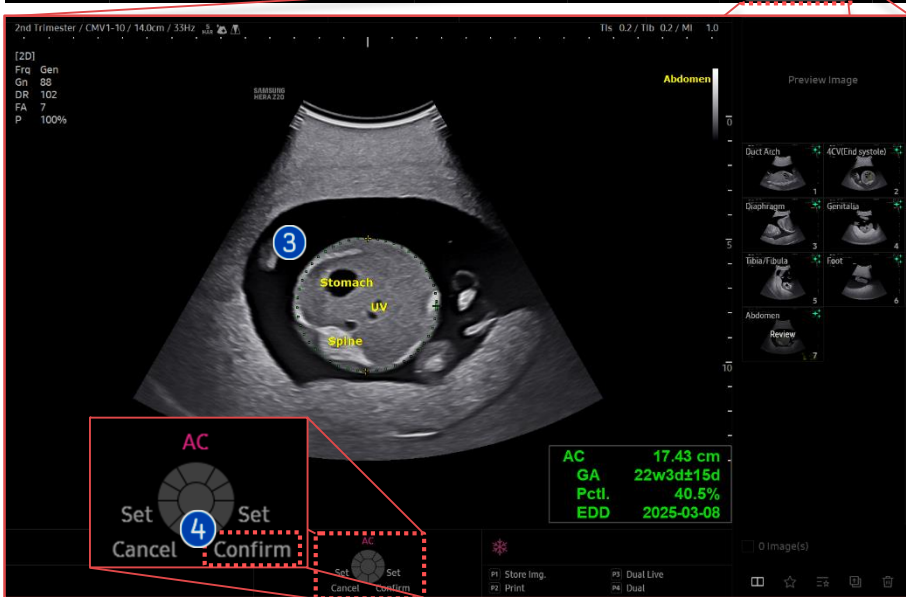
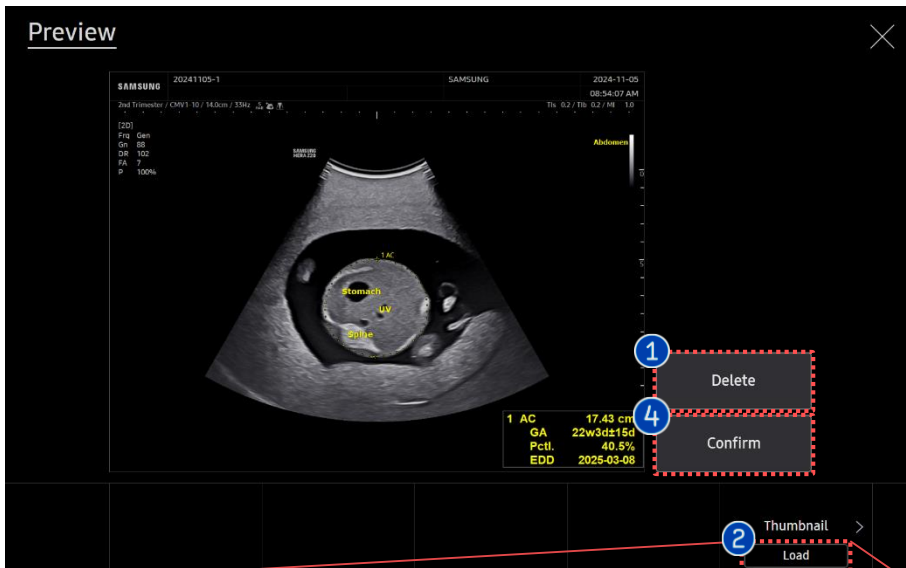
3 Confirm All

If you want to confirm all the images recommended by the Live ViewAssist, Press the [Confirm All] button at the bottom of the thumbnail or the touch screen to save all the images.

※ The color of the icon in the confirmed image changes from green to white.



4. How to Delete or Edit the image

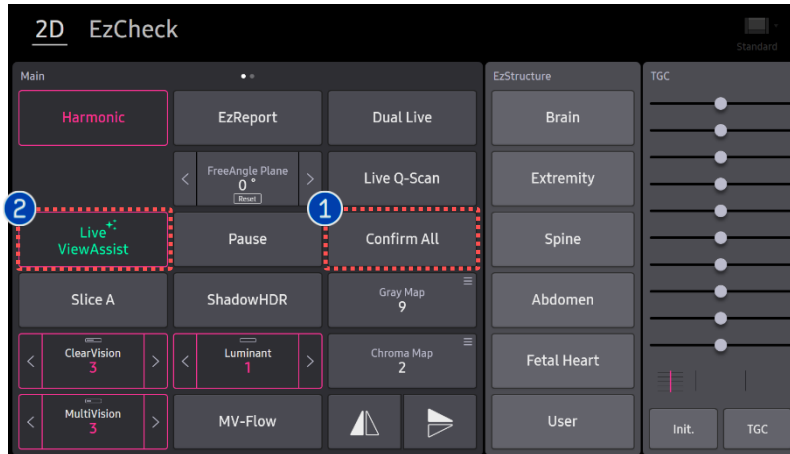


<p>1 Delete the image</p>	<p>You can find the [Delete] button on the touch screen in the preview state. If you want to delete the image and update it to a new view again, press the [Delete] button.</p>
<p>2 Load the image for modification</p>	<p>You can find the [Load] button in the Preview state. Press this button to modify the measurement by bringing the image to the scan screen.</p>
<p>3 Edit the measurement</p>	<p>The image of the editable measurement cursor is loaded. Edit the measurement using the Trackball and the [Set] buttons.</p>
<p>4 Confirm</p>	<p>Press the [Confirm] button to complete the editing. ※ If you don't press the [Confirm] button after modification, the modified value will not be applied.</p>

★ Tips

You can also load an image by double-clicking an image from the thumbnail using Pointer button in the control panel.

5. End Live ViewAssist™

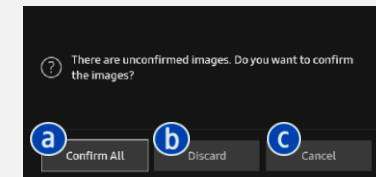



1 Confirm All

Before you end Live ViewAssist, Check whether you have any unconfirmed images. If you want to confirm all images recommended by the Live ViewAssist, Press the [Confirm All] button at the bottom of the thumbnail or the touch screen to save all the candidate images.

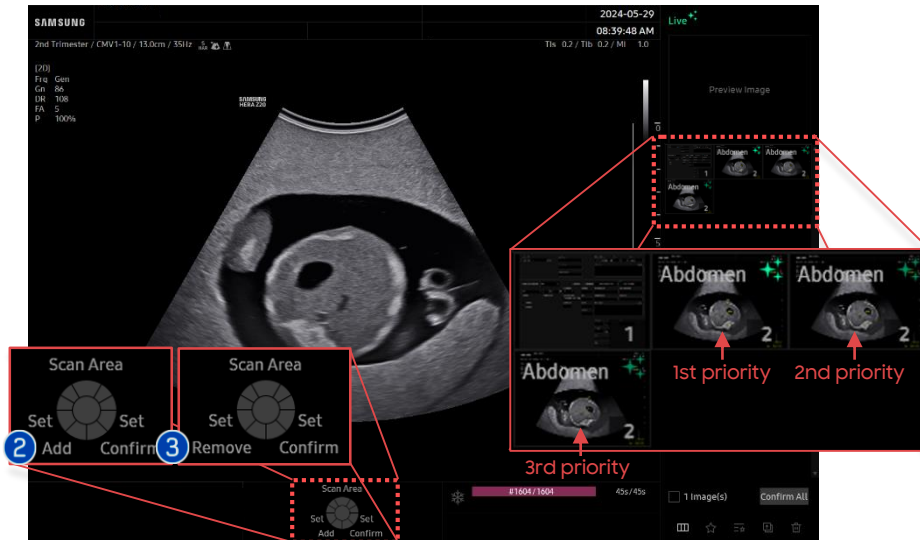
2 End Live ViewAssist

To end the Live ViewAssist, Press the [Live ViewAssist] button on the touch screen. If there are any unconfirmed images, the window below will appear before you exit.



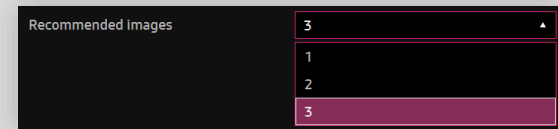
- a** All candidates with  icon are saved.
- b** All unconfirmed images will be deleted.
- c** Close the window and restart the scan.

#. How to get and save other candidates



On the Setup page, you can set the number of candidates recommended by the Live ViewAssist.

Utility ▶ Setup ▶ Assist ▶ General ▶ during Live Scan ▶ Recommended images



If you set 2(or 3) recommended images, Thumbnail suggests 2(or 3) candidates for the same view.

1 Preview the image Press the [Preview] toggle key to review the image of 2nd priority or 3rd priority.

2 Add or Press the [Add] or [Remove] button on the touch screen or the context key.

3 Remove the image *※ The view of the image selected with the [Add] button will no longer be updated.*

★ Tips



Meaning of icons in thumbnail images

- a** Confirm complete (Final saved image)
- b** 1st priority before Confirm (Image to be finally saved)
- c** 2nd, 3rd priority (Images to be deleted if not added)

★ The icon of the image selected by the [Add] button is changed from **c** to **b**.

★ If you want all three candidates to be **b** and save all of them, press the [Confirm All] button, Not [Confirm] button.

#. Setup for Live ViewAssist™

The screenshot displays the 'Setup' interface for Live ViewAssist. The left sidebar contains navigation options: System, Imaging, Assist (highlighted), Measurement, Report, Annotation, BodyMarker, Customize, Peripherals, Connectivity, and Service. The main area is divided into 'General' and 'Auto Annotation' tabs. The 'General' tab is active, showing a 'View Dataset' section with 'Default' selected and 'Edit' and 'Create' buttons. Below this are two tables for configuring measurements.

on Frozen Image

View	Measure	Item
TTP	<input checked="" type="checkbox"/>	HC, BPD, OFD
TVP	<input checked="" type="checkbox"/>	Vp
TCP	<input checked="" type="checkbox"/>	Cereb
Abdomen	<input checked="" type="checkbox"/>	AC
Femur	<input checked="" type="checkbox"/>	FL
Humerus	<input checked="" type="checkbox"/>	HUM
Amniotic Fluid	<input checked="" type="checkbox"/>	AFI
MSP	<input checked="" type="checkbox"/>	CRL
MSP(Zoom)	<input checked="" type="checkbox"/>	NT

Auto Measure (HeartAssist)

View	Measure	Tab	Group	Item
4CV(Early diastole)	<input checked="" type="checkbox"/>	None	None	None
4CV(End diastole)	<input checked="" type="checkbox"/>	Fetal Heart	Basic	Annulus All
4CV(End systole)	<input checked="" type="checkbox"/>	2D Echo (View)	4CV	TV Ann Diam
LVOT(Systole)	<input checked="" type="checkbox"/>		Thorax	MV Ann Diam
LVOT(End diastole)	<input checked="" type="checkbox"/>			
RVOT(Systole)	<input checked="" type="checkbox"/>			
RVOT(End diastole)	<input checked="" type="checkbox"/>			

during Live Scan

Live ViewAssist

View	Measure
Fetal Head	<input checked="" type="checkbox"/>
TTP	<input checked="" type="checkbox"/>
TVP	<input checked="" type="checkbox"/>
TCP	<input checked="" type="checkbox"/>
Fetal Face	<input checked="" type="checkbox"/>
Nose/Lips	<input checked="" type="checkbox"/>
Orbit	<input checked="" type="checkbox"/>
Profile	<input checked="" type="checkbox"/>
Fetal Chest and Heart	<input checked="" type="checkbox"/>
Thorax	<input checked="" type="checkbox"/>
4CV(Early diastole)	<input checked="" type="checkbox"/>
4CV(End diastole)	<input checked="" type="checkbox"/>
4CV(End systole)	<input checked="" type="checkbox"/>
LVOT(Systole)	<input checked="" type="checkbox"/>
LVOT(End diastole)	<input checked="" type="checkbox"/>
RVOT(Systole)	<input checked="" type="checkbox"/>
RVOT(End diastole)	<input checked="" type="checkbox"/>
3VV PA	<input checked="" type="checkbox"/>
3VV	<input checked="" type="checkbox"/>

1 Setup

To customize the Live ViewAssist protocol, Go to [Utility](#) ▶ [Setup](#) ▶ [Assist](#) ▶ [View Dataset](#) .

2 Create or Edit

You can create or edit view datasets.

3 Live ViewAssist

You can select the views you want to recognize in real-time and the measurements you want to take with Live ViewAssist. (*Auto Annotation can be customized on the tab [a](#) .*)

- The features, options may not be commercially available in some countries.
- Sales and shipments are effective only after the approval by the regulatory affairs. Please contact your local sales representative for further details.
- This Quick guide does not include all of the details of instruction, for more detail, please refer to HERA Z20 User Manual.
- Do not distribute this document to customers unless relevant regulatory and legal affairs officers approve such distribution.
- This User Quick Guide is based on HERA Z20 V1.00.
- Disclaimer: Some Images in this content were obtained from other system.

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