SAMSUNG

HERA Z10

Empowering Confidence in Women's Health



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Empowering Confidence in Women's Health

The HERA Z10 is born from a profound dedication to women's health, blending visionary technology with compassionate care.

Engineered to accommodate diverse needs, the HERA Z10 delivers exquisitely detailed 2D, 3D, and color imaging across all patient types.

By integrating advanced automation tools, it streamlines your daily practice and sharpens diagnostic clarity, delivering results you can trust with confidence. This seamless integration empowers healthcare professionals to focus entirely on what matters most: the patient.

From its refined aesthetics to its user-centric ergonomics, every aspect of the HERA Z10 is crafted to reduce operational fatigue in busy clinical environments.

HERA Z10 – advancing the future of women's health through the seamless harmony of precision and care.

Key Benefits

- Exceptional Image Clarity for Diagnostic Confidence
- Optimized Workflow to Save Your Time
- Comprehensive Solutions Tailored for Women's Health
- Deeper Clinical Insights with Advanced Tools
- Ergonomic Design for Healthcare Professionals

*HERA Z10 ultrasound system supports Windows 11 operating system and complies with the latest security standards

Exceptional Image Clarity for Diagnostic Confidence

Deliver exquisite image quality across every stage of life, from intricate fetal assessments to comprehensive geriatric care. Experience refined image optimization that translates clarity into clinical confidence.

Enhanced 3D/4D Rendering Performance

Excellent Spatial and Contrast Resolution

Advanced Microvascular Flow Visualization

Improved Signal-to-Noise Ratio

True Color Expression

Clearer Tissue Boundaries



Visualize blood flow with a 3D-like display for intuitive understanding

LumiFlow™ visualizes blood flow in three-dimensional-like manner to help understand the structure of blood flow and small vessels intuitively.



LumiFlow™

Render vivid 3D anatomy with exceptional depth

RealisticVue™[1] displays high resolution 3D anatomy with detailed expression and realistic depth perception. User selectable light source direction creates intricately graduated shadows for better defined anatomical structures.



RealisticVue™[1]

Refine and render fetal faces seamlessly using AI

PortraitVue™ analyzes 3D ultrasound images to predict the fetal face and virtually restores blurry or obscured parts of the fetus's face.

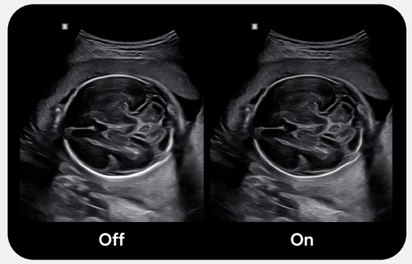
* This feature is not a diagnostic function, but rather for an entertaining purpose for the mother.



PortraitVue™

Define boundary distinction with clarity

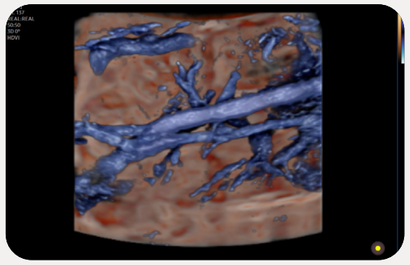
Luminant visualizes the boundary of a 2D image in a three-dimensional-like manner to help understand the boundary of structures such as the fetal heart or brain.



Luminant

Reveal the unseen microvascular paths

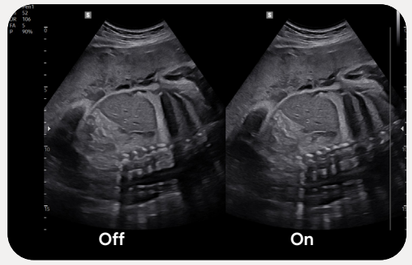
MV-Flow™[1] visualizes microcirculatory and slow blood flow to display the intensity of blood flow in color. It is suitable for observation of microcirculatory blood flow and volume of slow blood flow.



MV-Flow™[1] 3D

Enhance hidden structures within shadowed regions

ShadowHDR™ selectively applies high and low frequencies of the ultrasound to identify shadow areas such as the fetal head, spine, or intercostal space where attenuation occurs.



ShadowHDR™



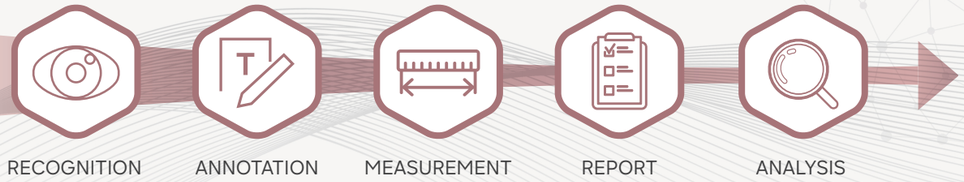
Optimized Workflow to Save Your Time

Accelerate your daily practice with intuitive, one-touch automation. Intelligent Assist features streamline complex measurements and image acquisition, while maintaining exceptional image quality, reducing overall exam times.

Live ViewAssist™[1]

Uninterrupted workflow. End-to-end AI automation

Optimize your scanning workflow without freezing the image. AI intelligently captures the optimal view, annotates, measures, and supports optimal scan quality.



Real-time exam navigator for ISUOG guideline scans

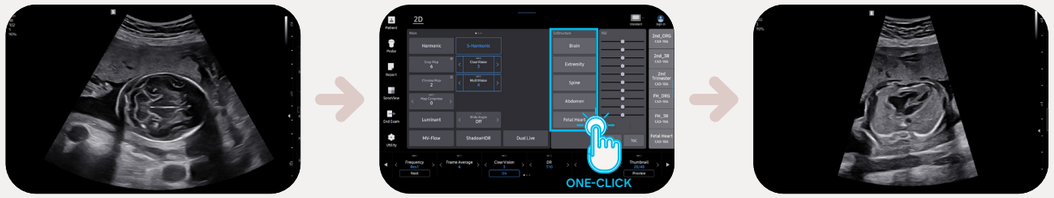
AI captures the optimal view in real-time



EzStructure™

Optimize B-mode settings with one-click

EzStructure™ quickly provides optimal 2D images of specific areas of the fetus by simply clicking one button.



Scanning fetal brain

One-click on touchscreen

Optimal for fetal heart scanning instantly

EzFlow™

Optimize Color and PW mode settings with one-click

EzFlow™ streamlines Color and PW image optimization by fine-tuning imaging parameters, with one click of a button. This enables the quick acquisition of optimal images, especially for vascular structures, enhancing workflow for routine inspections.



Scanning fetal abdomen

One-click on touchscreen

Optimal for fetal heart scanning instantly

EzVolume™[1]

Segment 3D anatomy instantly

EzVolume™ is a feature based on AI technology that automatically segments the structures of the fetus in the acquired 3D image and allows the user to selectively view the structures they want. In addition, the user can intuitively view the desired 3D image by changing the color of each structure and adjusting transparency.



Original 3D volume with color differentiation

Placenta, Umbilical cord removed

Removed structures for clear assessment

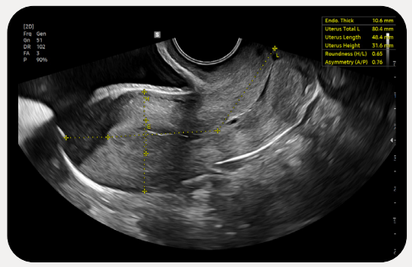


Comprehensive Solutions Tailored for Women's Health

Provide a full spectrum of care, not only routine maternal scans but also advanced gynecological solutions. Empower your gynaecological assessments with versatile, built-in reporting tools that seamlessly adapt to your specific protocols for optimal diagnostic support.

Automatic sizing and shape analysis of the uterus with AI technology

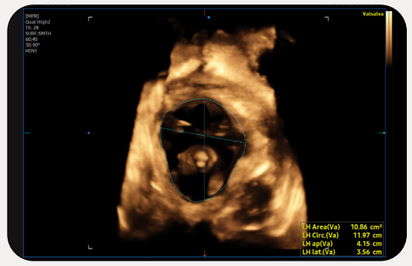
UterineAssist™[1], a feature based on AI technology, automatically measures the size and shape of the uterus, which helps in finding signs of uterine-related abnormalities, and also reduces scan time.



UterineAssist™[1]

One-click analysis of the pelvic floor with AI technology

PelvicAssist™[1], a feature based on AI technology, helps identify anatomical structures and dysfunction of the Pelvic floor through structural analysis and automatic measurement, and it is provided with a streamlined workflow.



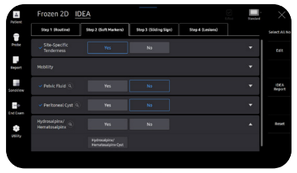
PelvicAssist™[1]

Standardize GYN Assessment with a Single Touch

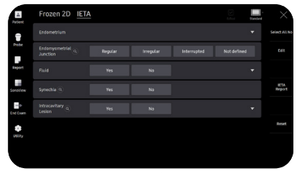
Expert-developed guidelines are integrated into our system, supporting standardized assessments and a streamlined workflow from scan protocol to reporting – all with a single touch.



Consensus guidelines integrated into HERA Z10



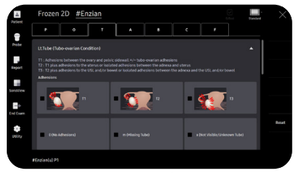
IDEA[1]



IETA[1]



IOTA[1]



#Enzian[1]



MUSA[1]

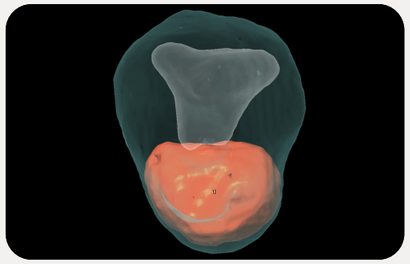


Deeper Clinical Insights with Advanced Tools

Enhance your diagnostic capabilities with our advanced suite of clinical tools. Access deeper insights that support confident, decisive action in every complex scenario.

Map complex fibroids in 3D with AI precision

FibroidVue™[1] is a feature based on AI technology that rapidly segments and visualizes the uterus, endometrium, and fibroids. It assists the user in effortlessly tracing the boundary lines of the region of interest, even for complex fibroids, and provides a report for diagnosis and procedure planning.

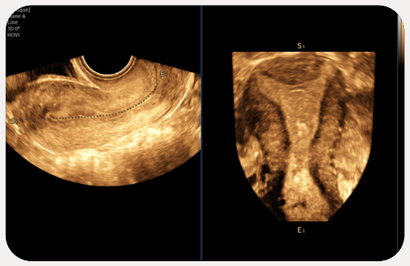


FibroidVue™[1]

Trace precise endometrial thickness to reveal subtle uterine morphology

UterineContour™, a feature based on Deep Learning technology, helps identify uterine malformation. It automatically extracts the centerline and thickness of the curved endometrium and provides a coronal view in 3D, flattened by the centerline. In addition, uterine malformation classifications are reported according to the ESHRE/ESGE or ASRM guideline selection.

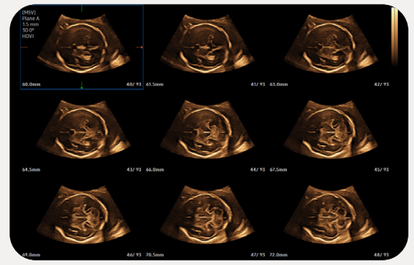
* ESHRE/ESGE : The European Society of Human Reproduction and Embryology / The European Society for Gynaecological Endoscopy
ASRM : The American Society for Reproductive Medicine



UterineContour™

Navigate essential fetal brain views automatically

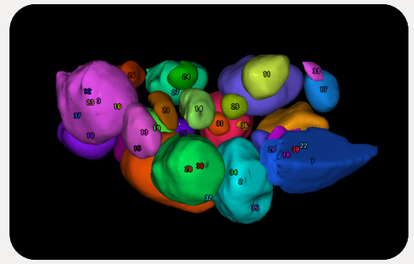
5D CNS+™[1] uses intelligent navigation to provide 6 measurements from 3 transverse views of the fetal brain to enhance measurement reproducibility and streamlined workflow.



5D CNS+™[1]

Measure ovarian follicles in 3D

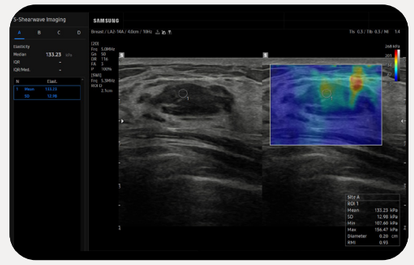
5D Follicle™[1] identifies and measures multiple ovarian follicles in one scan for rapid assessment of follicular size and status during controlled ovarian stimulation. This feature uses 3D volume data to help acquire accurate measurement and reduces user variation.



5D Follicle™[1]

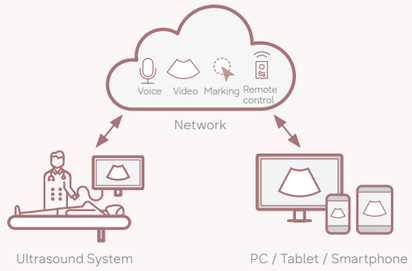
Quantify tissue stiffness through shearwave

S-Shearwave Imaging™[1] allows for non-invasive assessment of the stiffness of tissue/lesions. The color-coded elastogram, quantitative measurements, dual or single display option, and user-selectable ROI functions are especially useful for the accurate diagnosis of breast and liver diseases.



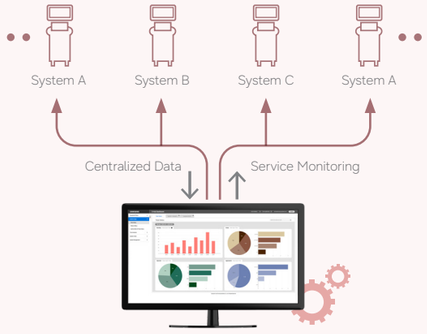
S-Shearwave Imaging™[1]

Streamline clinical collaboration with real-time image sharing and remote control



SonoSync™[1]

Optimize hospital operations through centralized ultrasound fleet management



S-Hub[1]

* SonoSync™ is a function for image sharing, not for diagnosis.

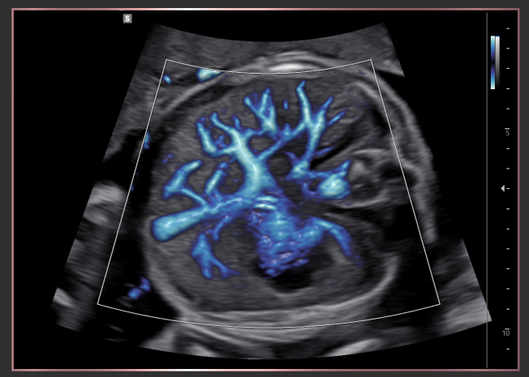
Image Gallery



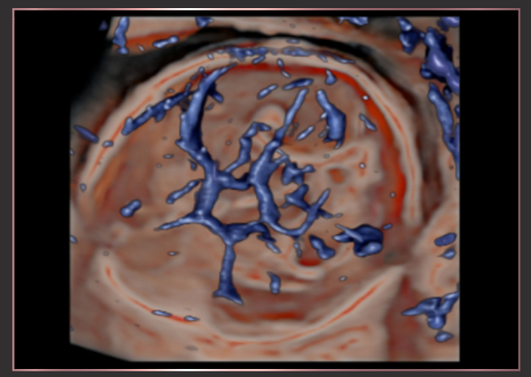
Fetal spine



Fetal heart



Fetal abdomen with MV-Flow™[1]



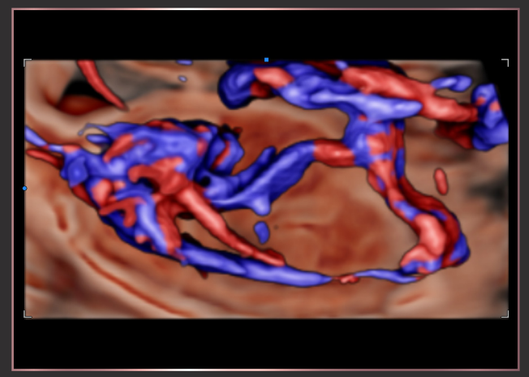
Fetal brain with MV-Flow™[1] 3D



Fetal abdomen



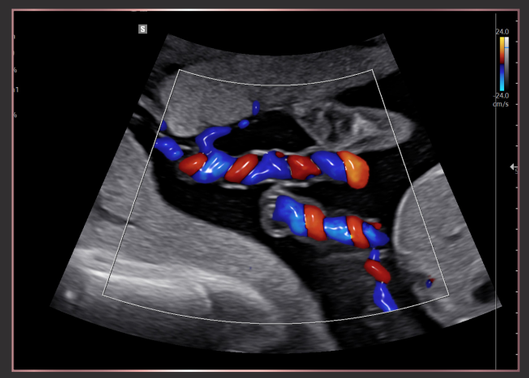
Fetal brain



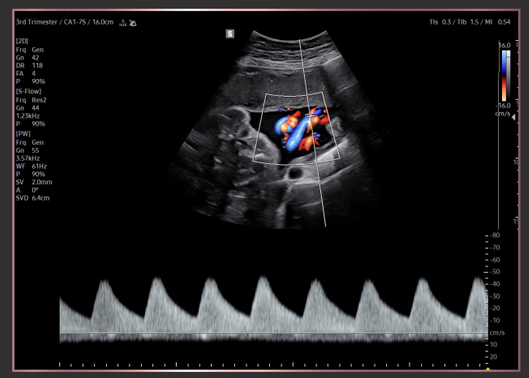
Fetal circulation with CrystalVue Flow™[1]



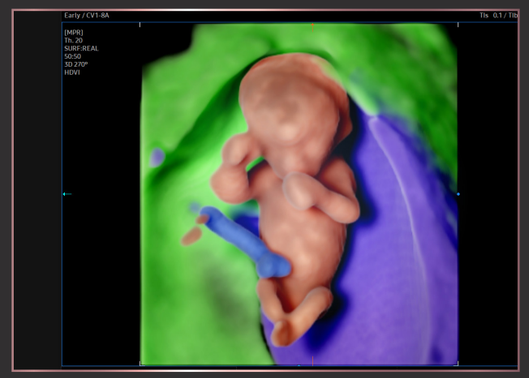
1st trimester in RealisticVue™[1]



Umbilical cord in LumiFlow™



Umbilical artery with S-Flow™ in PW mode



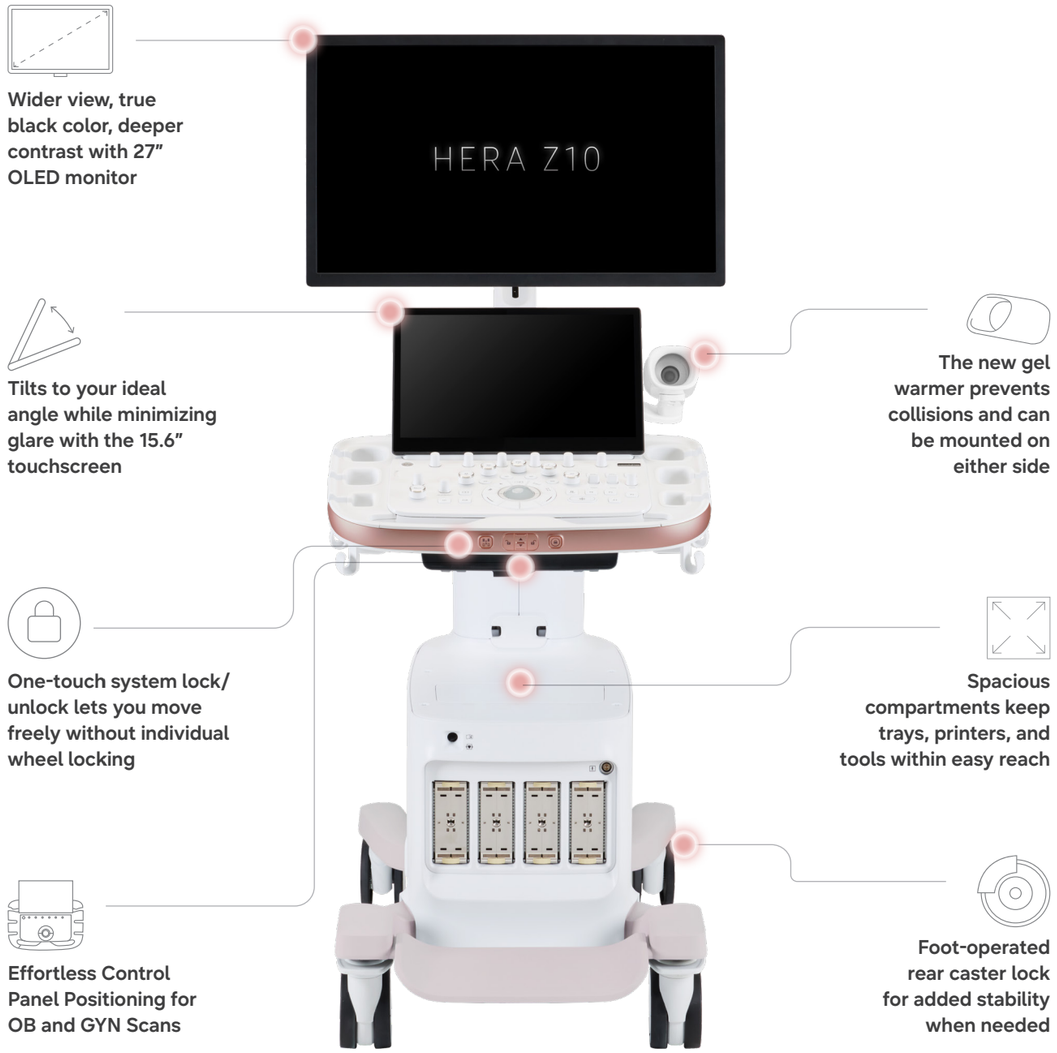
1st trimester in EzVolume™[1]



Fetal face rendered with PortraitVue™

Ergonomic Design for Healthcare Professionals

Masterfully crafted, beautifully refined aesthetics, the HERA Z10 redefines ergonomic excellence. Every control, movement, and adjustment is meticulously tailored to minimize your fatigue and elevate the scanning experience.



Wider view, true black color, deeper contrast with 27" OLED monitor

Tilts to your ideal angle while minimizing glare with the 15.6" touchscreen

One-touch system lock/ unlock lets you move freely without individual wheel locking

Effortless Control Panel Positioning for OB and GYN Scans

The new gel warmer prevents collisions and can be mounted on either side

Spacious compartments keep trays, printers, and tools within easy reach

Foot-operated rear caster lock for added stability when needed

Comprehensive Selection of Transducers

Curved Array Transducers



CA1-7S

Abdomen, Musculoskeletal, Vascular, Obstetrics, Gynecology, Thoracic, Pediatric, Urology



CA3-10A

Abdomen, Musculoskeletal, Vascular, Obstetrics, Gynecology, Thoracic, Pediatric, Urology



CA2-13M

Abdomen, Pediatric, Vascular, TCD

Volume Transducers



CV1-8A

Abdomen, Obstetrics, Gynecology, Urology



EV2-10A

Obstetrics, Gynecology, Urology

Endocavity Transducers



EA2-11AR

Obstetrics, Gynecology, Urology



EA2-11AV

Obstetrics, Gynecology, Urology



miniER7

Obstetrics, Gynecology, Urology

Linear Array Transducers



LA2-14A

Abdomen, Musculoskeletal, Small Parts, Vascular, Pediatric, Thoracic



LM2-18

Abdomen, Musculoskeletal, Small Parts, Vascular, Pediatric



LA2-9S

Abdomen, Vascular, Musculoskeletal, Small Parts, Pediatric



LA4-18A

Abdomen, Small Parts, Musculoskeletal, Vascular, Pediatric



LA3-22AI

Musculoskeletal, Intraoperative



L3-22

Small Parts, Musculoskeletal, Vascular, Pediatric

Phased Array Transducers



PA1-5A

Abdomen, Cardiac, TCD, Veterinary



PA3-8B

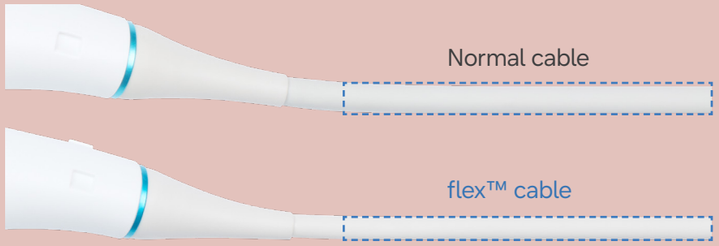
Abdomen, Cardiac, Pediatric, Vascular, TCD



PA4-12B

Abdomen, Cardiac, Pediatric, Vascular, TCD

Thin & Light Transducer Cable Reduces Scanning Fatigue Powered by the flex™ cable[1]



↓ 36% thinner

↓ 46% lighter

* Based on EA2-11AR/AV transducer

Samsung Healthcare Cybersecurity

To address the emerging need for cybersecurity, Samsung provides a solution to support our customers by offering the tools to protect against cyberthreats that may compromise invaluable patient data and ultimately degrade the quality of care. Samsung's Cybersecurity Solution strives to abide by the CIA triad (Confidentiality, Integrity, and Availability) and takes a comprehensive approach to providing impeccable protection with the following pillars: Intrusion prevention, Access control, and Data protection.

*HERA Z10 ultrasound system supports Windows 11 operating system and complying with the latest security standards.



Changes Start from Small Steps

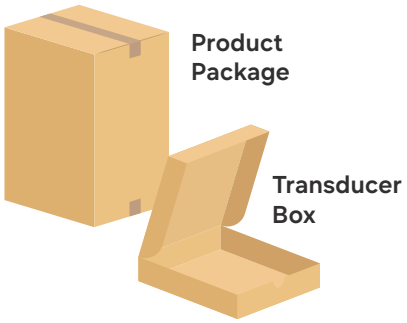
The HERA Z10 is thoughtfully developed with a deep commitment to eco-consciousness—utilizing recycled resin and rigid paper packaging—without compromising on premium quality or durability. By continuously working to reduce our environmental footprint, we strive to protect the shared planet for everyone.

50%

Recycled resin applied on the system body



Recycled paper is applied to both the product and transducer packaging





* This product, features, options, and transducers 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 product is a medical device. Please read the user manual carefully before use.
* S-Vue Transducer™ is the name of Samsung's advanced transducer technology.

1. Optional feature which may require additional purchase.

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