Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922) 49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Ижевск (3412)26-03-58
Иваново (4932)77-34-06
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
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Липецк (4742)52-20-81
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Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
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Орел (4862)44-53-42
Оренбург (3532)37-68-04
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Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
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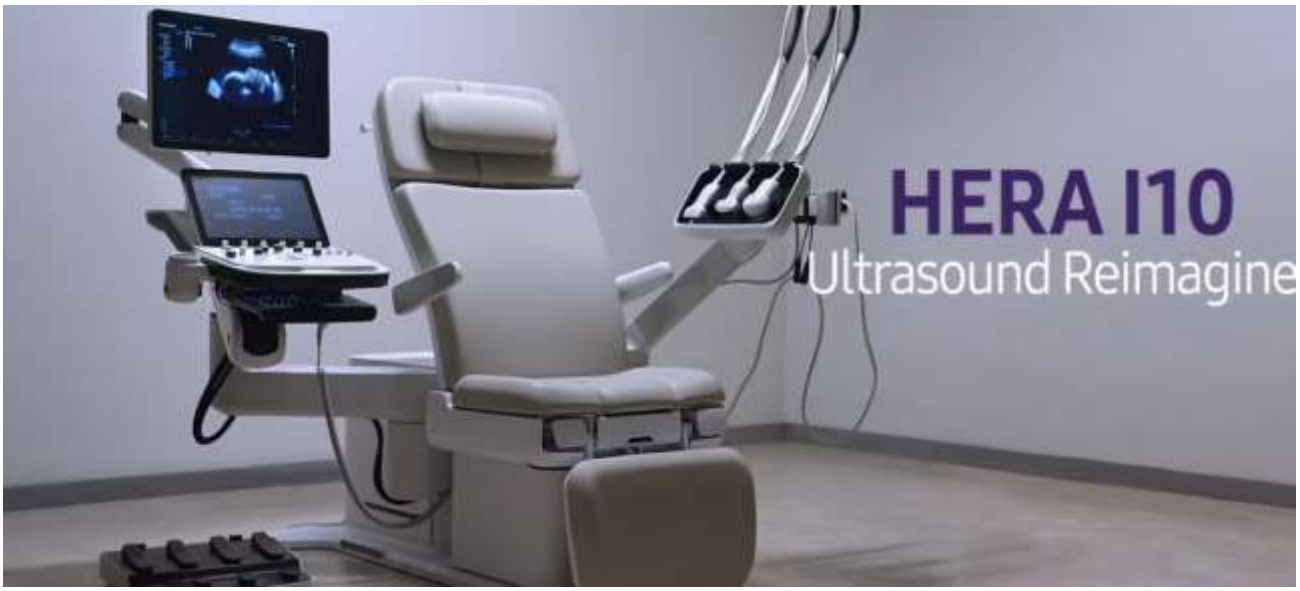
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47
Россия (495)268-04-70
Казахстан (772)734-952-31

https://samsungmedison.nt-rt.ru || soe@nt-rt.ru

Комбинированная ультразвуковая система со встроенным креслом HERA I10

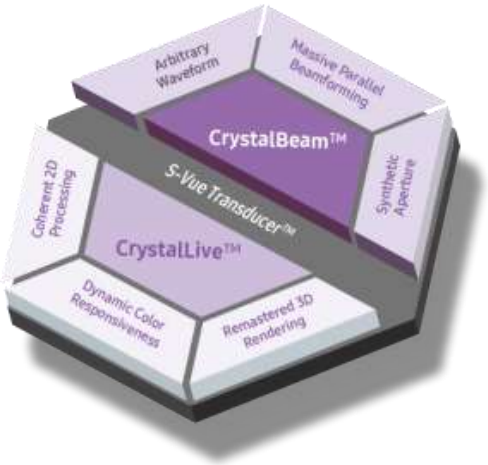
With input from clinicians and patients, HERA I10 transforms and elevates the ultrasound experience from each user’s perspective.A new form factor, a combination ultrasound system with built-in chair, allows for a more comfortable environmentwith refined imaging technologies for increased diagnostic confidence.

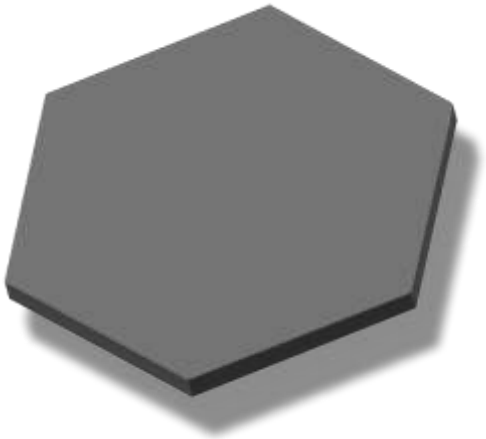
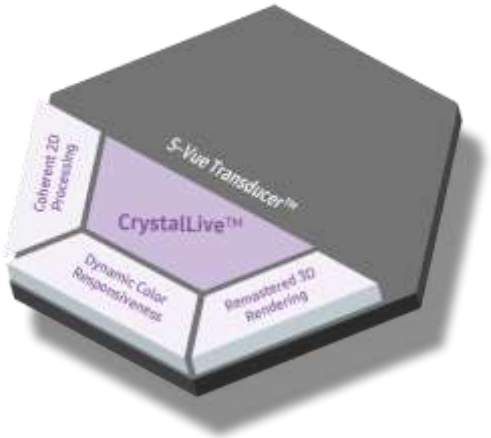


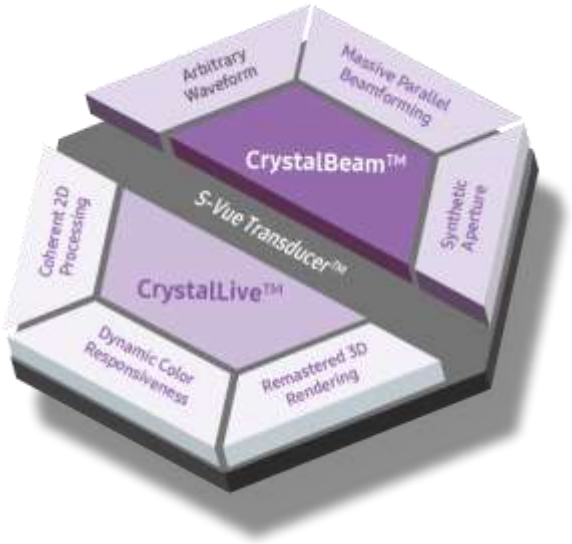
Redefined imaging technologies powered by Crystal Architecture ™

Crystal Architecture™, an imaging architecture that combines CrystalBeam™ and CrystalLive™, based on S-Vue Transducer™,is to provide crystal clear image.

- - CrystalBeam™ is a new beamforming technology beneficial in delivering high-quality image resolution and increased uniformity of images.
- - CrystalLive™ is Samsung’s up-to-date ultrasound imaging engine with enhanced 2D image processing, 3D rendering and color signal processing,to offer outstanding image performance and efficient workflow during complex cases.

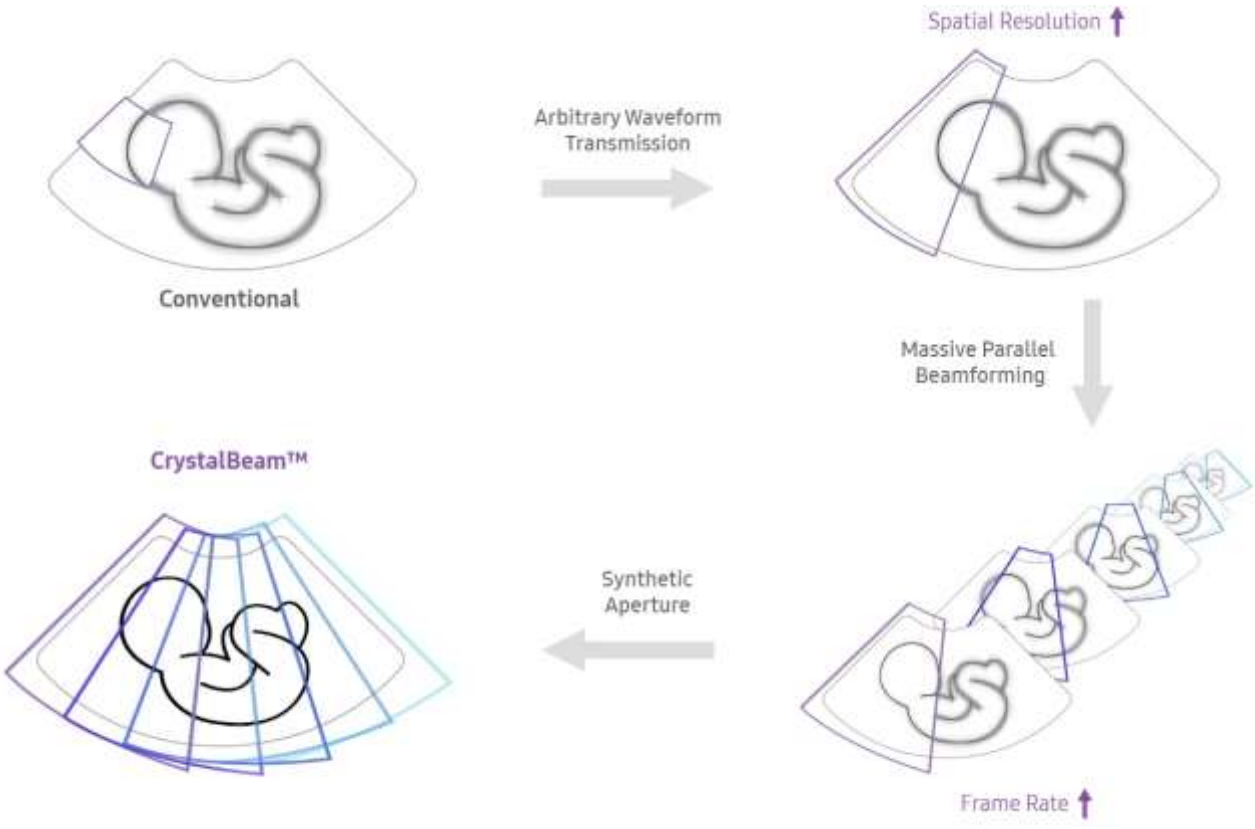

Arbitrary Waveform
Massive Parallel Beamforming
CrystalBeam™
S-Vue Transducer™
Coherent 2D Processing
Synthetic Aperture
CrystalLive™
Dynamic Color Responsiveness
Remastered 3D Rendering

- 
- 
S-Vue Transducer™
Coherent 2D Processing
CrystalLive™
Dynamic Color Responsiveness
Remastered 3D Rendering



A new beamforming for in-depth image creation

CrystalBeam™ utilizes Arbitrary Waveform Transmission, Massive Parallel Beamforming,
and Synthetic Aperture technologies to produce a faster frame rate and improved image uniformity.

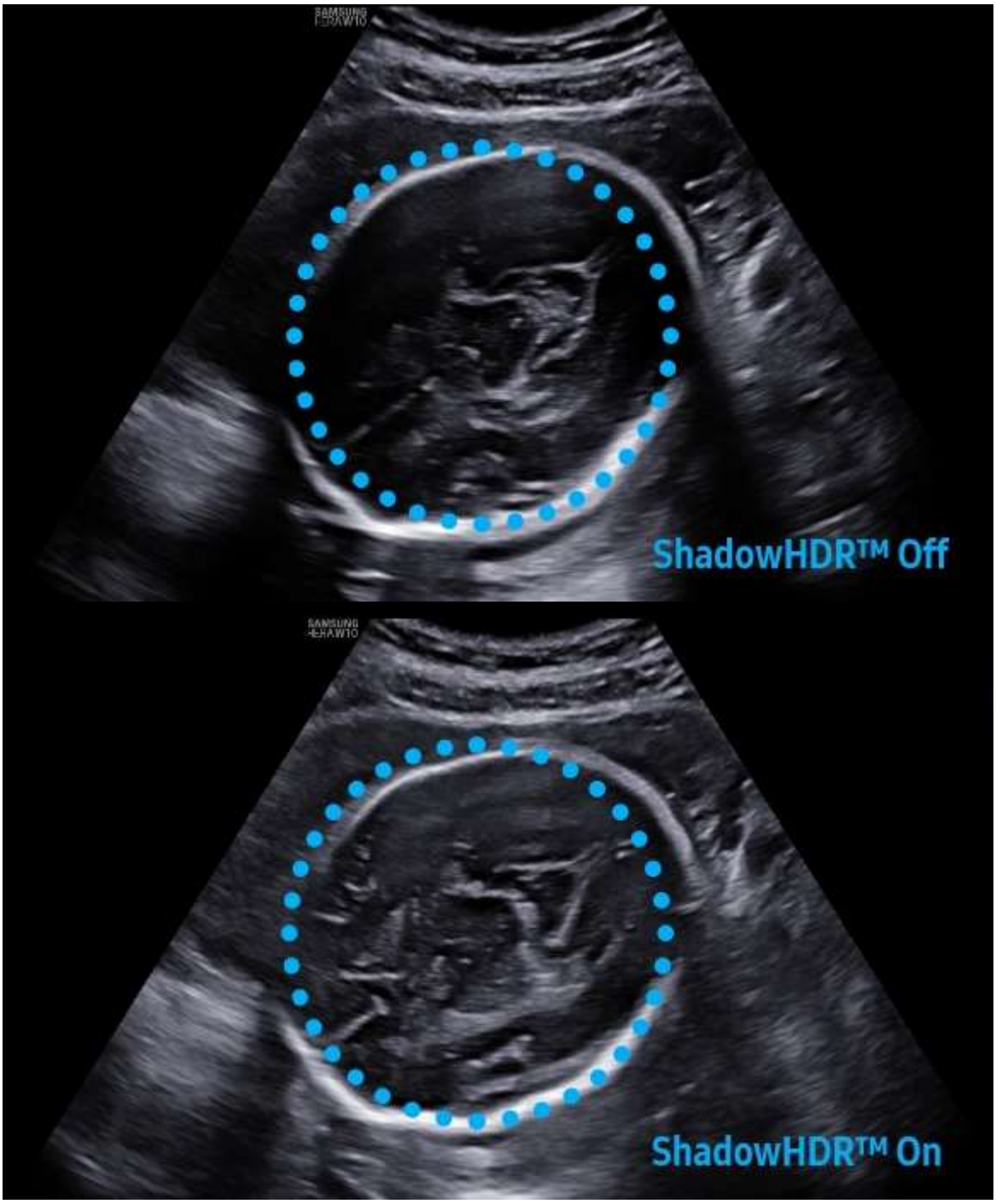


* Compared to the Samsung WS80A

Sophisticated 2D images processed by CrystalLive™

CrystalLive™ helps you to make more confident diagnoses with fundamental 2D images.Some major advantages of 2D images include shadow-suppressed images, lessened halo artifacts, and mitigated blurred area.

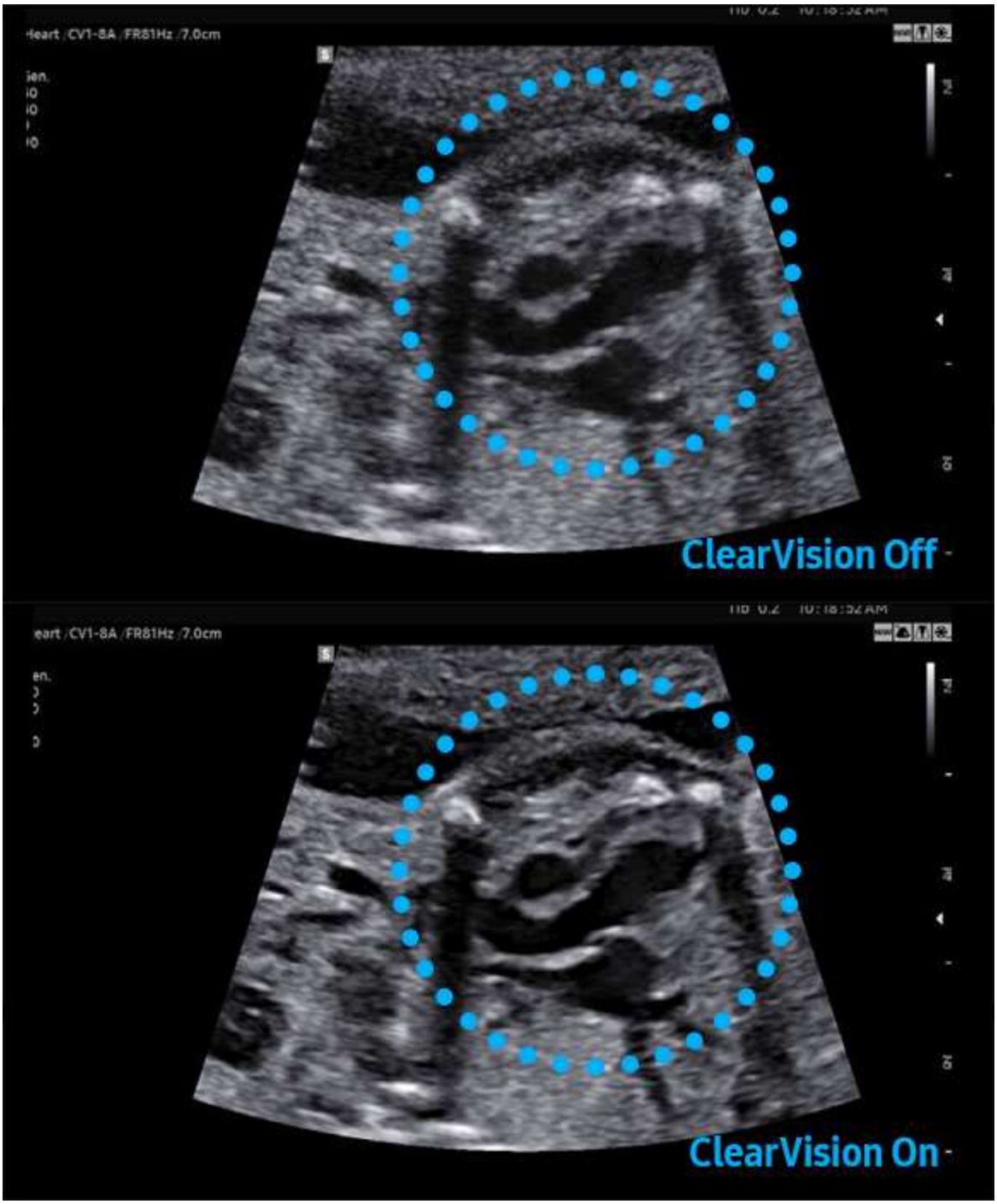
Visualize attenuated shadow area



Fetal brain

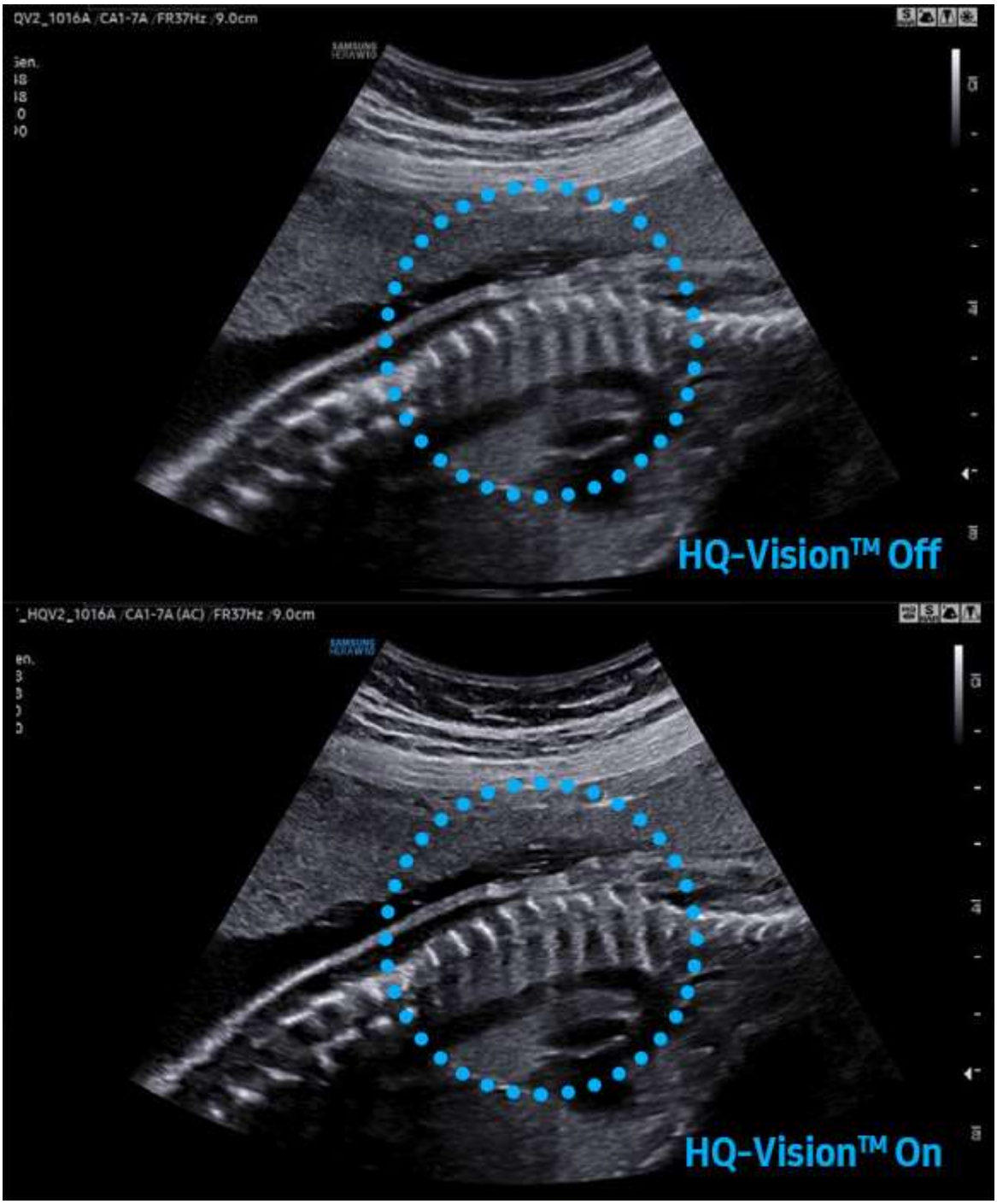
ShadowHDR™ selectively applies high-frequency and low-frequency of the ultrasound to identify shadow areas such as fetal head or spine where attenuation occurs.

Improve 2D image quality with noise reduction filter



ClearVision provides clearer tissue boundaries using the noise reduction filter and generates sharp 2D images. It reduces halo artifact that occurs when the tissue contour is enhanced, and removes noises on the tissue boundaries.

Clarify blurred area to provide clearer images



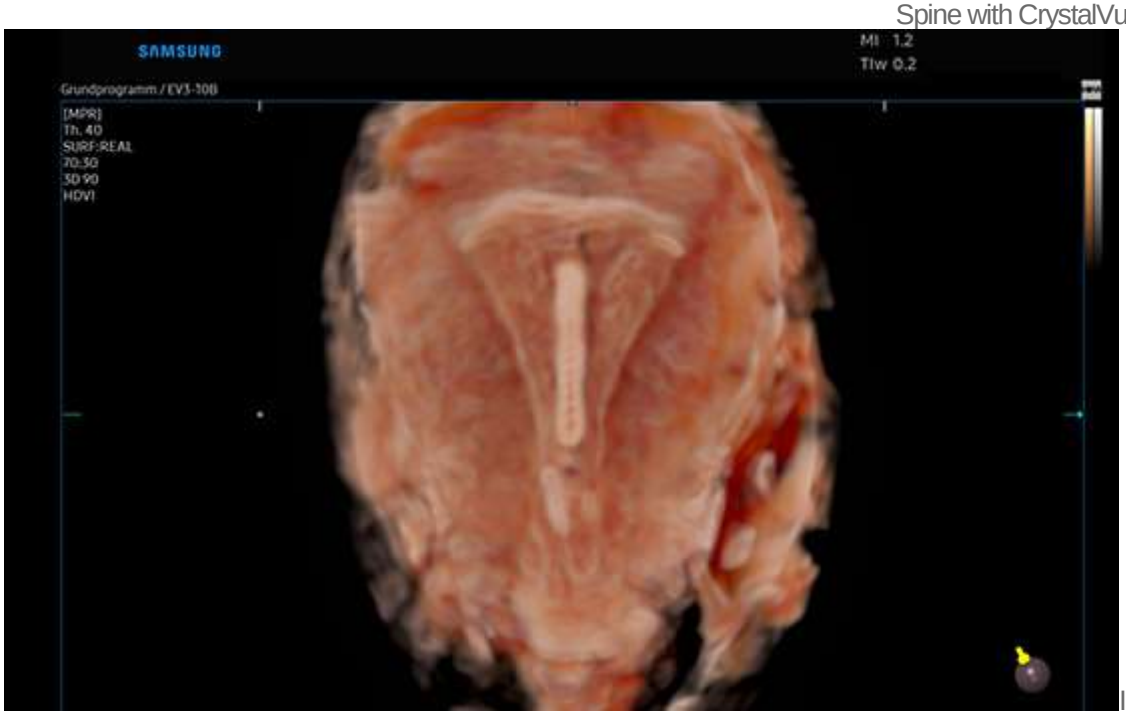
HQ-Vision™ provides clearer images by mitigating the characteristics of ultrasound images that are slightly blurred than the actual vision.

Realistic description of 3D/4D performance

CrystalLive™ in 3D/4D provides users with more realistic and high-resolution images.It outdoes conventional 3D imaging technologies in terms of viewing small parts and lighting effects.

Visualization of internal and external structures with volume rendering [1]

Fetal Spine with CrystalVue™



Intra Uterine Device with CrystalVue™

CrystalVue™ is an advanced volume rendering technology that enhances visualization of both internal and external structures in a single rendered image using a combination of intensity, gradient and position.

Realistic expression of 3D anatomy [1]

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

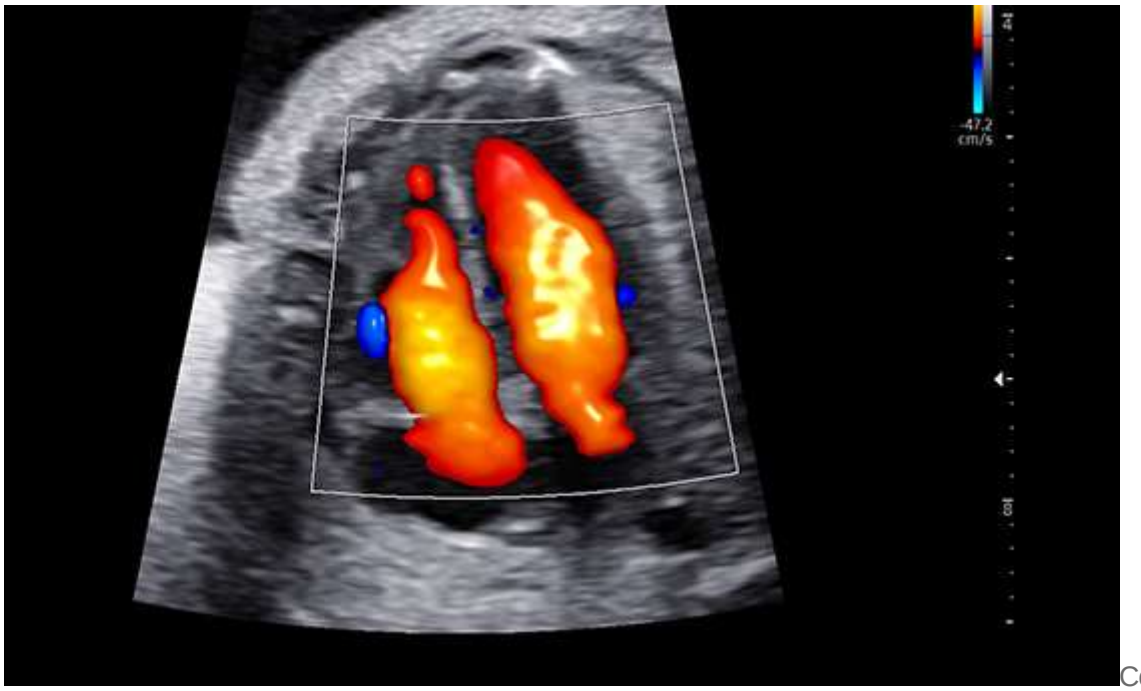
High Definition Volume Imaging

HDVI™ is a volume rendering technology that improves visualization of edges and small structures in volume data. Upgraded marginal expression and image saturation expresses the very details from angle to shadow of the fetus.

Detailed expression of blood flow dynamics

Color performance of CrystalLive™ has been improved to clearly visualize the hemodynamics of the blood flow.Greater sensitivity resulting from new color signal processing allows for a more accurate detection of peripheral blood vessels,microcirculatory blood flows, and volumes of slow blood flows.

Three dimensional-like visualization of blood flow



Color Doppler with LumiFlow™ (4 Chamber view)

LumiFlow™ is a three-dimensional visualization of blood flow, which helps to understand the structure of blood flow and small vessels intuitively.

* Optional Extra

Visualization of slow flow microvascularized structures [1]

MV-Flow™ offers a novel alternative to power Doppler for visualizing slow flow of microvascularized structures. High frame rates and advanced filtering enable MV-Flow™ to provide a detailed view of blood flow in relation to surrounding tissue or pathology with enhanced spatial resolution.

Directional power Doppler to examine peripheral vessels

S-Flow™, a directional Power Doppler imaging technology, can help to detect even the peripheral blood vessels. It enables accurate diagnosis when blood flow examination is especially difficult.

Enriched diagnostic system,

excellence in utilization

Images created by the Crystal Architecture™ technologies enhance various diagnostic features of Samsung ultrasound. HERA I10's diverse technologies to examine the growth of fetus and women's health in detailed reports will help you build more confidence and enhance the workflow in your diagnosis.

HeartAssist™ 1

A semi-automated reporting tool for fetal heart diagnosis

HeartAssist™, while based on big data, it semi-automatically classifies ultrasound image into measurement views required for fetal heart diagnosis and provides measurement results and distribution graph.

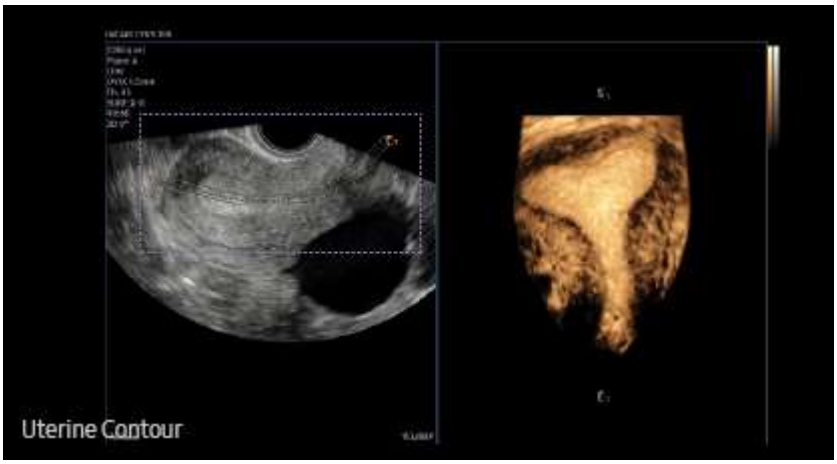
ViewAssist™ 1

A semi-automated classification of the images and annotation of the structures

ViewAssist™ provides automatic classification of the ultrasound images and annotation of the structures to help healthcare professionals in convenient measurement.

Uterine Contour

Help identify uterine malformation



Uterine Contour 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 classification are reported according to the ESHRE/ESGE* or ASRM* guideline selection.

BiometryAssist™

A semi-automated measurement of fetal biometry

A semi-automatic technology for biometric measurement, BiometryAssist™, enables users to measure the growth of the fetus quickly while maintaining exam consistency.

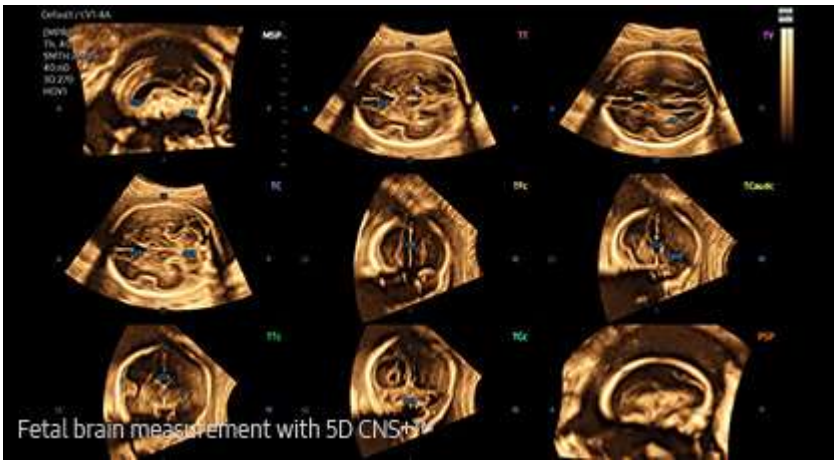
Slice A [1]

Increases the contrast resolution through thick slide volume

Slice A is a feature that improves the contrast resolution of A Plane images. By compositing multiple A Plane images, it helps in analyzing tissues or structures that are difficult to see with only 2D images.

5D CNS+™ [1] (Central Nervous System)

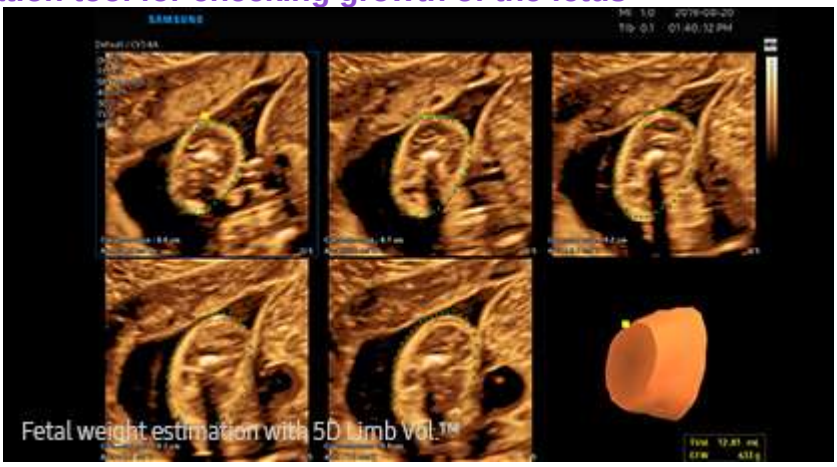
Fast brain measurement tool based on volume data



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

5D Limb Vol.™ [1]

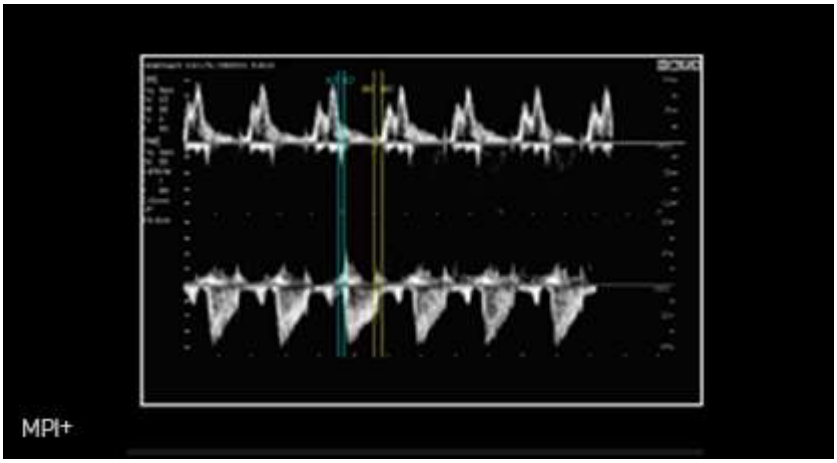
Fast fetal weight estimation tool for checking growth of the fetus



5D Limb Vol.™ is a semi-automated tool to quickly and accurately measure upper arm or thigh volumes from 3 simple seed points on a single volume data set.

MPI+ [1] (Myocardial Performance Index)

Semi-automatic LV MPI and RV MPI measurement



MPI+ is able to semi-automatically measure LV MPI and RV MPI, providing a high reproducibility. After acquiring Inflow/Outflow doppler, RV MPI proceeds alignment by utilizing synchronized signals of the heartrate and valve movement.

more

Discover how much our new ultrasound system can improve your clinical practice with its advanced image quality.

* If you click the button, it will link to the HERA W10's Clinical Images Page.

Relaxing Atmosphere for the patients

HERA I10 delivers differentiated user experience for the satisfaction of the patients.Effortless usability and the clean system is the key of relaxing ultrasound examination for the patients.

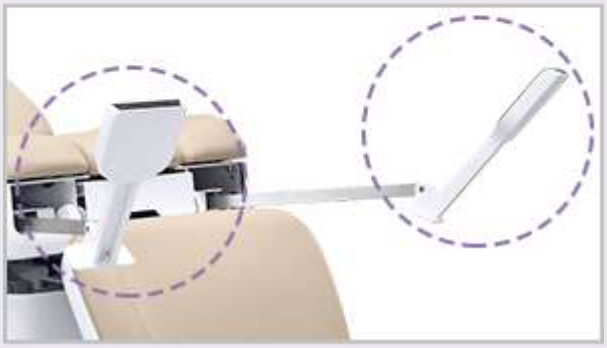
Safe & Comfortable Position Change

When your patients walk into the exam room, they will see a warm and inviting environment with HERA I10. Help your patients gently ease into the ultrasound exam in a relaxing and comforting way. The powered, adjustable Built-in Chair has four programmable positions to help patients safely and comfortably move into the optimal position needed to capture the necessary images to provide a confident diagnosis. Take your patient satisfaction to a new level by elevating your ultrasound experience with HERA I10.

Clean & Clutter-free Environment

The Paper Roll Hanger provides a convenient and easy way to maintain a clean and safe environment.
The Transducer Station sustains the cable to not reach the patient's body.
The ergonomic structure satisfies the patients to experience ultrasound exams in a clean and relaxing atmosphere.

Paper Roll Hanger



Stirrups for Foot Placement
(Lithotomy Position)

Cable Support Arms

Transducer Cable Management

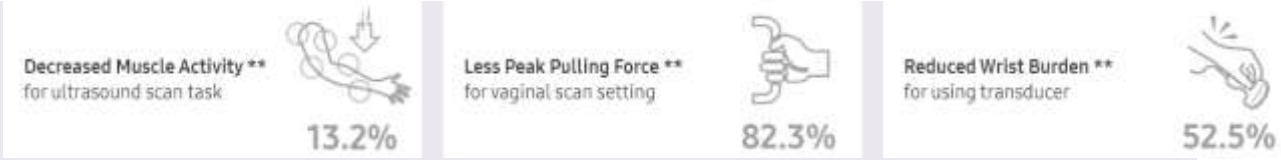
* The Built-in Chair displayed with HERA I10 is an independent product designed to be compatible with HERA I10.

Ergonomic Comfort for healthcare professionals

With the HERA I10, healthcare professionals may experience less muscle strain and increased user satisfaction while scanning.
Each component of the HERA I10 implements our philosophy :
deliver ergonomic comfort and help users stay healthy.

Ample Leg Room &Relieved Muscle Strain

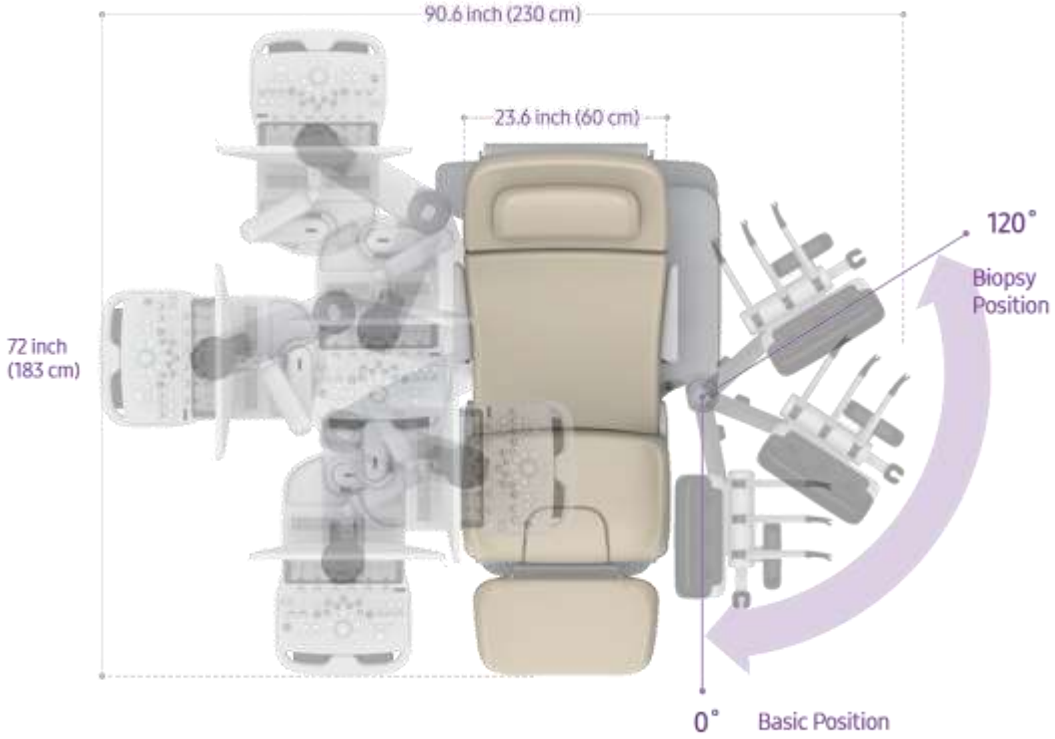
The conventional location of the system electronics is located at the backside of the Built-in Chair to offer plenty of leg room for the examiner. The Transducer Cable helps decrease muscle strain, reduces peak pulling force and wrist burden. The cable is coming from a higher position instead of a lower position like in conventional system, thus making the transducer feel lighter in operation.

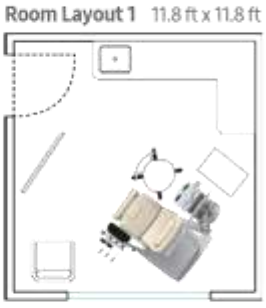


* The Built-in Chair displayed with HERA I10 is an independent product designed to be compatible with HERA I10.
** Compared to the Samsung WS80A

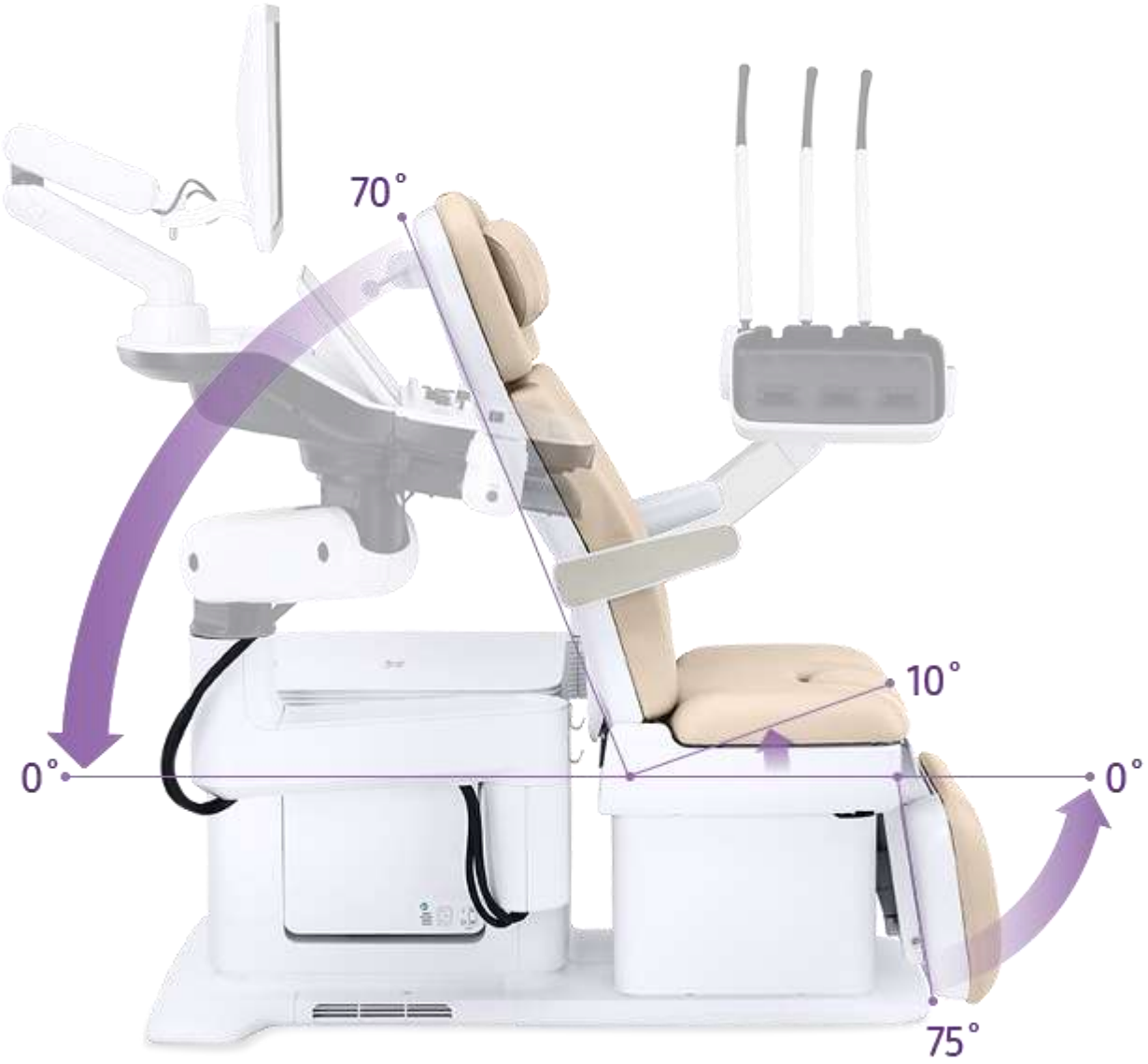
HERA I10 Dimensional Information

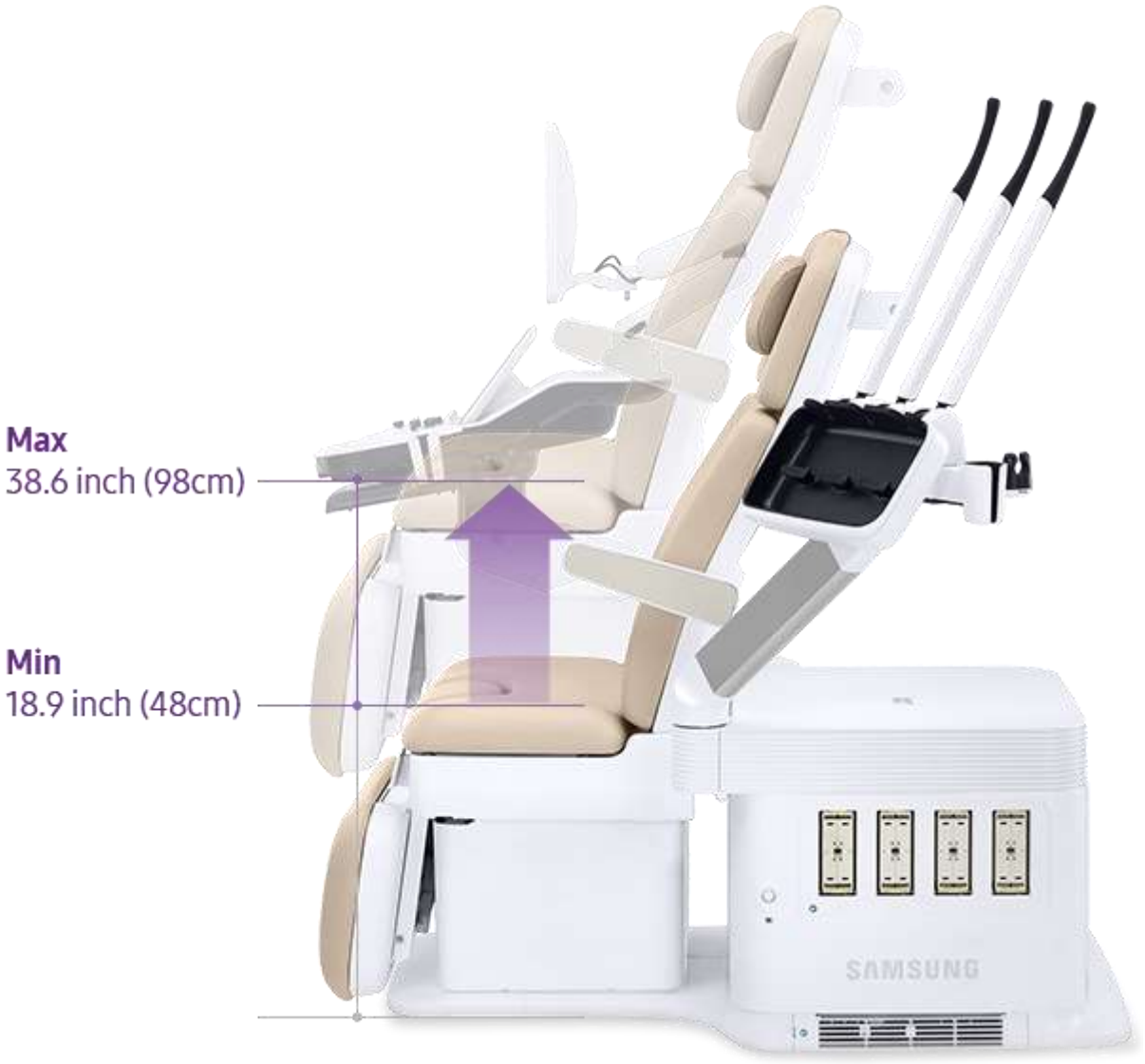
Maximum Size : Length 7.5ft (230cm) x Width 6ft (183cm) x Height 5.7ft (175cm)





Fully automatic chair movement, wheel chair accessible seat height.


70°
10°
0°
0°
75°



Effective real-time collaboration, customizable for the way you work

We believe that a truly great system offers customer-centric working conditions. The collaborative solution enables users to cooperate, monitor, and educate in real-time regardless of where the users are located. The streamlined workflow supports your daily procedures by reducing keystrokes and by combining multiple actions into one. Users have the option of customizing its diagnostic

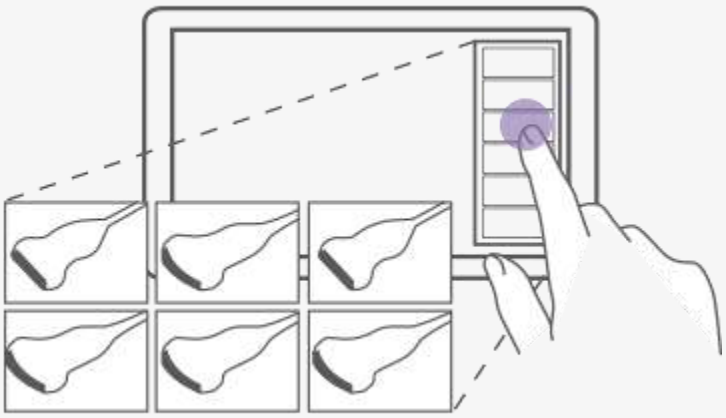
settings based on personalized protocol, resulting in a more simplified exam process and faster workflow.

SonoSync™* [1]Real-time image sharing solution

SonoSync™ is available in PC and smartphone, etc. as a real-time image share solution that allows communication for care guide and training between doctors and sonographers.
In addition, voice chatting, text chatting and real-time marking functions are provided for better communication; and the MultiVue function is included that allows monitoring multiple ultrasound images on a single screen.
* SonoSync™ is an image sharing solution, not a diagnostic solution.

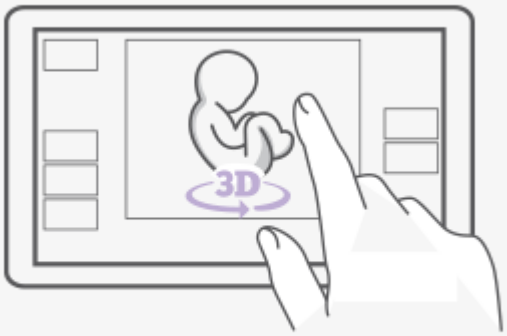
HelloMom™ [1]Simple transfer of fetal ultrasound images and clips

HelloMom™ is a simple and secure image sharing solution by generating QR code for the selected fetal images. Pregnant women and family are capable of downloading images of fetus by scanning on the QR code using smartphone, reducing the hassle of installing a separate application.



QuickPresetfor easy transducer preset

With one touch, the user can select the most common transducer and preset combinations. QuickPreset increases efficiency to make a full day of scanning simple and easy.



Touch Gesturefor your preferences

Touch Gesture intuitively allows to rotate, zoom and move while viewing the 3D image from the touch screen. In addition, 3D manipulations such as Oblique, MagiCut, etc. are conveniently operated.

Contextual Buttonfor your convenient access

Depending on the user's choice of ultrasonic inspection items, the required diagnostic functions may be assigned to the control panel buttons to reduce the hassle of menu selection

Volume Transducers

CV1-8A

Abdomen, Obstetrics, Gynecology

EV3-10B

Obstetrics, Gynecology, Urology

- **EV2-10A**

  Obstetrics, Gynecology, Urology

Convex Array Transducers

- **CA1-7A**

  Abdomen, obstetrics, gynecology, pediatric, vascular, musculoskeletal

- **CA3-10A**

  Abdomen, obstetrics, gynecology, pediatric, vascular, musculoskeletal

- **CA2-9A**

  Abdomen, obstetrics, gynecology

- **CF4-9**

  Pediatric, vascular

Linear Array Transducers

- **L3-12A**

  Small parts, vascular, musculoskeletal, abdomen

- **LA2-9A**

  Small parts, vascular, musculoskeletal, abdomen

Endocavity Transducers

- **EA2-11AR***

  Obstetrics, gynecology, urology

- **EA2-11AV***

  Obstetrics, gynecology, urology

Phased Array Transducers

- **PA4-12B**

  Cardiac, pediatric

- **PM1-6A**

  Cardlac,TCD,abdomen

- **PA3-8B**

  Cardiac, pediatric, abdomen

* Ergonomics Transducer (EA2-11AR, EA2-11AV)

The new convex transducer design with a smooth and slim grip helps users to scan easily and comfortably.The new endocavity transducer supports natural grip by moving the max width point to a more forward position and also increased the length of the grip to allow balanced weight distribution.