

H60 ULTRASOUND

PERFORMANCE AT ITS BEST

SAMSUNG



INTRODUCING H60 ULTRASOUND

The H60 is a high-resolution system designed to perform 2D, 3D and 4D ultrasound. The slender design makes H60 the perfect fit for the office environment. The system incorporates advanced hybrid beamforming technology, as well as a selection of innovative image processing tools to meet your OB/GYN and Radiology needs.



Samsung Innovative Technologies

Hybrid Beamforming Technology

Samsung's innovative hybrid beamformer technology is comprised of both advanced hardware and software, allowing for intricate digital programming, which better defines the shape of the ultrasound pulse. This provides more precise transmission and reception of the ultrasound signal, resulting in exceptional image clarity.



S-Vue™ Transducer

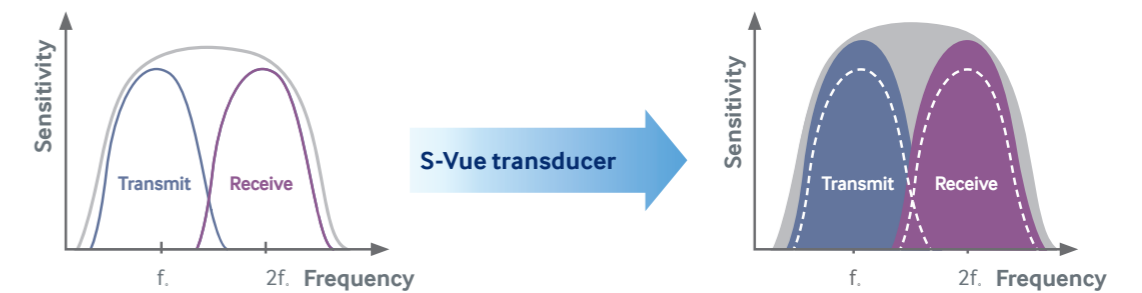


CV1-8AD



CA1-7AD

In addition to the advanced beamforming capabilities, the H60 incorporates the next-generation single-crystal probe technology called S-Vue™ transducers. Employing an innovative crystal design, S-Vue™ transducers provide more efficient piezoelectric properties, resulting in wider bandwidths for increased depth penetration and higher quality resolution on even the most challenging of patients.

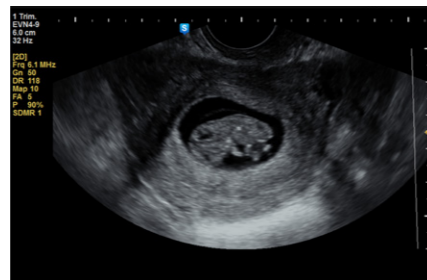


Samsung Innovative Technologies

The H60 features innovative image processing tools designed to meet your OB/GYN and Radiology needs.

ClearVision™

ClearVision™ is an advanced multi-filtering technology designed to decrease speckle, enhance border detection, and display exceptional contrast resolution. ClearVision™ significantly enhances image clarity, providing more confident assessment of fetal anatomy.



Early fetus with ClearVision™

S-Flow™

S-Flow™ is a highly sensitive Doppler technology utilizing both phase (directional) and amplitude data to ensure confident vascular documentation on even the smallest peripheral vessels.



Umbilical cord with S-Flow™

18.5-inch LED Monitor

The H60 features an 18.5" LED display, delivering excellent contrast resolution, image clarity and vibrant color in any lighting condition.





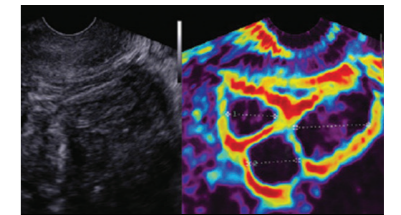
3D XI™

Comprised of a suite of outstanding imaging applications, 3D XI™ (Multi-Slice View,™ Oblique View™) offers precise control over data manipulation for diagnostic accuracy.

Samsung Innovative Technologies

ElastoScan™

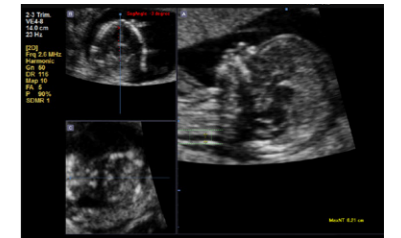
ElastoScan™ technology facilitates an effective method for assessment and documentation of tissue stiffness. ElastoScan™ may prove an effective adjunct to conventional grayscale imaging, often providing more defined visualization of tumor images.



Elastography of the cervix with ElastoScan™

Volume NT & IT™

Volume NT™ simplifies the nuchal translucency measurement process by locating the precise mid-sagittal plane in a single step. Semi-automatic measurements are then performed to improve NT™ accuracy and reduce examination time.



NT measurements with Volume NT & IT™

Beam Steering

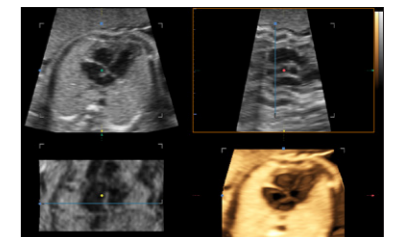
Electronically steer ultrasound beam for more confident display of needle shaft and tip, providing precise needle guidance.



Needle detection with 2D beam steering on

XI STIC

XI STIC displays the 3D fetal heart as a dynamic cardiac cycle.

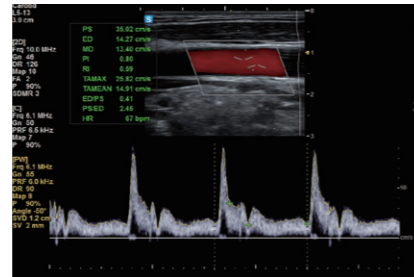


XI STIC

Designed for optimal workflow, the H60 features digital TGC, QuickScan™ and an intelligent control panel.

QuickScan™

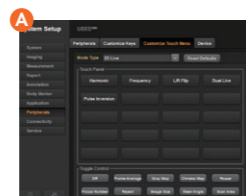
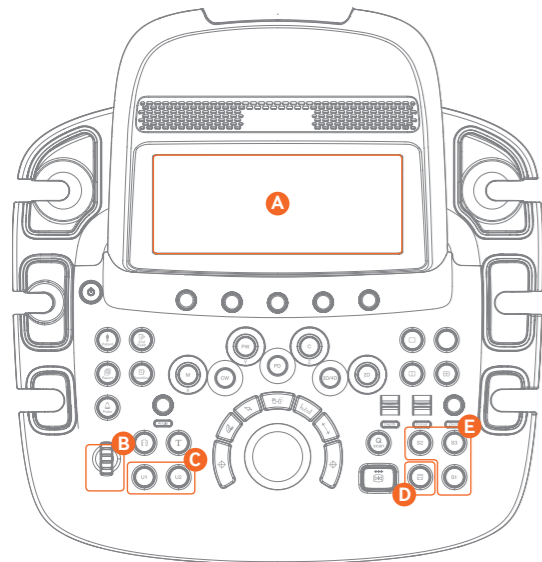
Designed to maximize efficiency, QuickScan™ technology provides intuitive optimization of gray scale and Doppler parameters. One touch of the QuickScan™ button enhances workflow by adjusting functions including color gain and color box location.



CCA doppler with QuickScan™

Intelligent Control Panel

Implementing user-defined menus and console keys allows the user to customize the control panel to maximize workflow efficiency.



User-customizable touch menus



Scroll and click toggle button



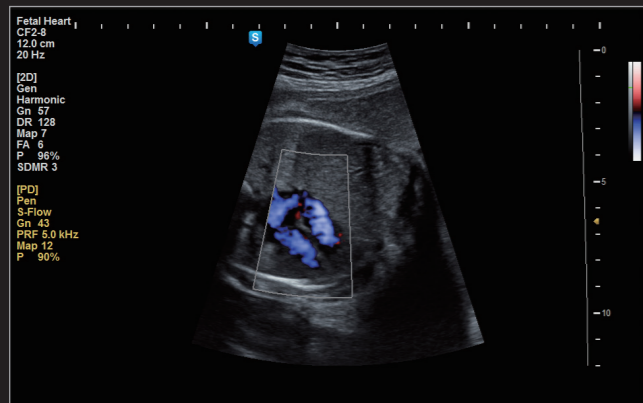
User-customizable keys

TGC Preset

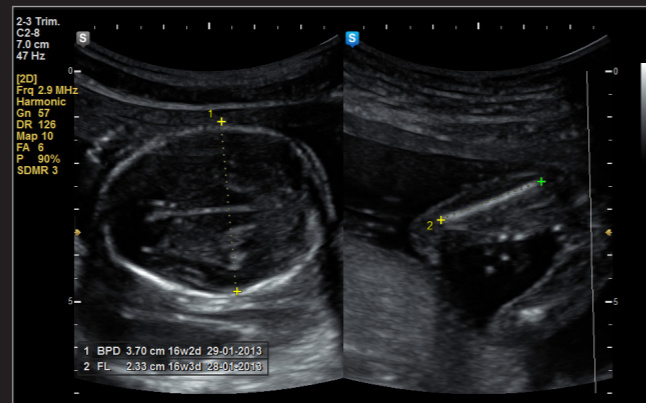
The adoption of the digital TGC Preset enables the H60 to provide more intuitive image optimization and a fast TGC interaction.



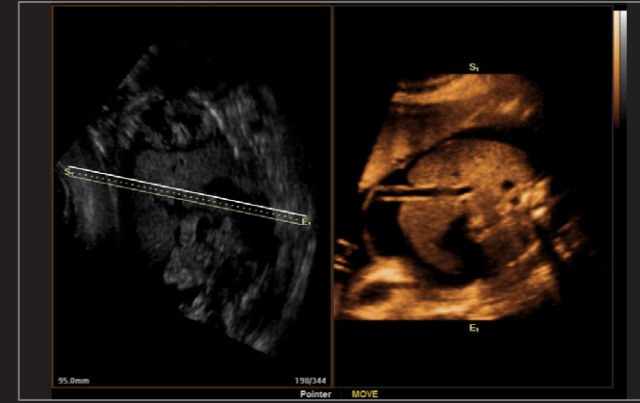
IMAGE GALLERY



Fetal heart with S-Flow™



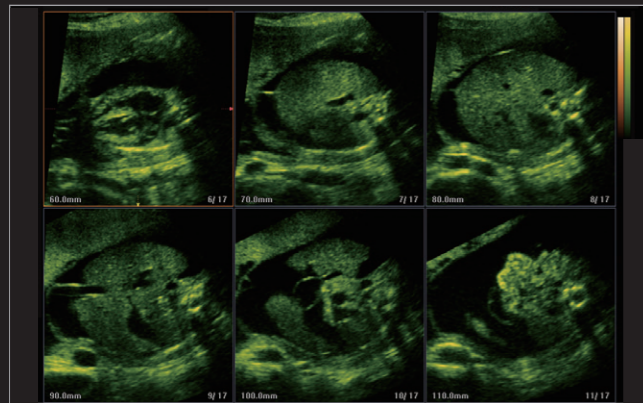
BPD and FL measurement



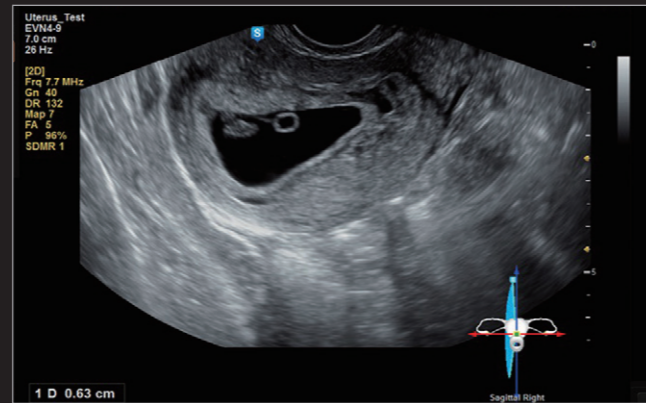
Fetal abdomen ascites in Oblique View™



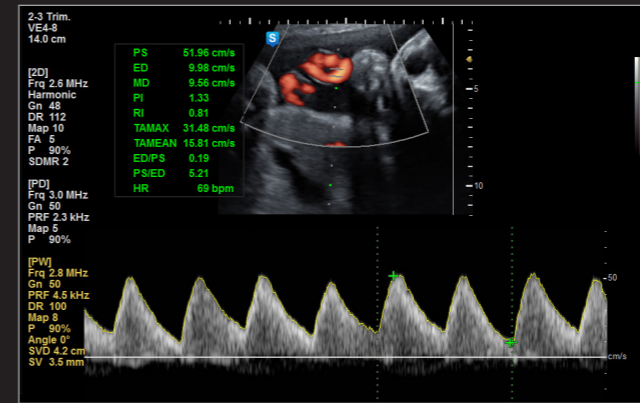
Early fetus



Fetal abdomen ascites with Multi-Slice View™



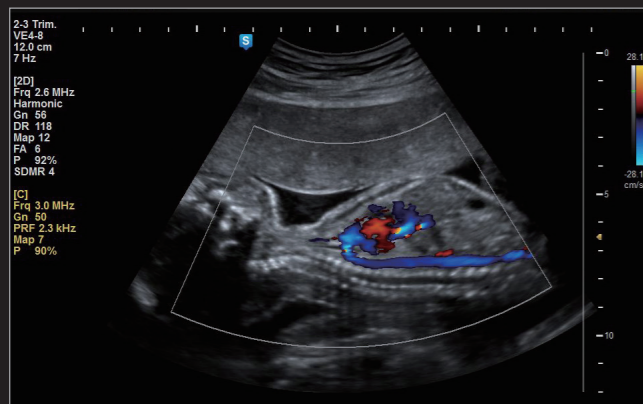
Gestational sac with e-Motion Marker™



Umbilical cord in PW



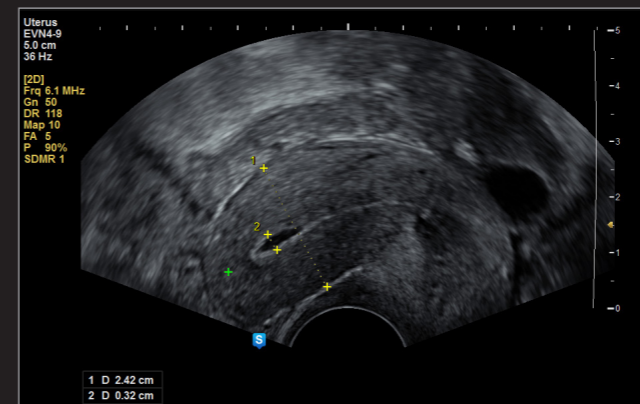
Fetal face



Fetal abdomen circulation



Fetal hand



Uterus



Fetal heart

18.5-inch LED Monitor

The H60 features an 18.5" LED display, delivering excellent contrast resolution, image clarity and vibrant color in any lighting condition.

Gel Warmer

Two-level adjustable warmer maintains ultrasound gel at a comfortable temperature from 86°F to 102.2°F.



Mobility

The high-quality wheels provide easy movement when performing examinations.



Slim & Lightweight

The slim and compact design of the H60 facilitates the needs of the office and hospital environment.

Lift Control Panel

The height-adjustable control panel is designed to enhance user comfort and allow for optimal ergonomic positioning during the examination.



Accessory Drawer

Conveniently located on the front of the system, the accessory drawer is perfect for storing scanning gel and a variety of supplies.



Curved Array Transducers



S-Vue transducer

CA1-7AD

• Application: abdomen, obstetrics, gynecology

CA2-8AD

• Application: abdomen, obstetrics, gynecology

CS1-4

• Application: abdomen, obstetrics, gynecology

CF4-9

• Application: pediatric, vascular

C2-8

• Application: abdomen, obstetrics, gynecology

Endo-Cavity Transducers



VR5-9

• Application: obstetrics, gynecology, urology

EVN4-9

• Application: obstetrics, gynecology, urology

ER4-9

• Application: obstetrics, gynecology, urology

Linear Array Transducers



LF5-13

• Application: small parts, vascular, musculoskeletal

LA3-14AD

• Application: sm parts, vascular, musculoskeletal

L5-13

• Application: small parts, vascular, musculoskeletal

Phased Array Transducers



PE2-4

• Application: cardiac, abdomen, TCD

SP3-8

• Application: cardiac, abdomen, TCD

Volume Transducers



S-Vue transducer

CV1-8AD

• Application: abdomen, obstetrics, gynecology

3D2-6

• Application: abdomen, obstetrics, gynecology

VE4-8

• Application: abdomen, obstetrics, gynecology

V5-9

• Application: obstetrics, gynecology, urology

3D4-9

• Application: obstetrics, gynecology, urology

CW Pencil Type Transducers



DP2B

• Application: cardiac

CW4.0

• Application: cardiac

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