ACCUVIX XG

Samsung Medison is one of the world's leading researchers, developers and manufacturers of ultrasound and other medical imaging products. Founded in 1985, Samsung Medison was acquired by Samsung Electronics in February 2011. Throughout its history, the company has achieved a series of technological breakthroughs, such as introducing the world's first commercially available 3D and 4D diagnostic ultrasound scanners. Driven by an investment of 12 percent of revenues into R&D, its range of machines now covers everything from the lightest and most portable of scanners, to the very latest and most sophisticated in ultrasound technology. Samsung Medison also produces digital X-rays and other medical imaging products.

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SAMSUNG MEDISON

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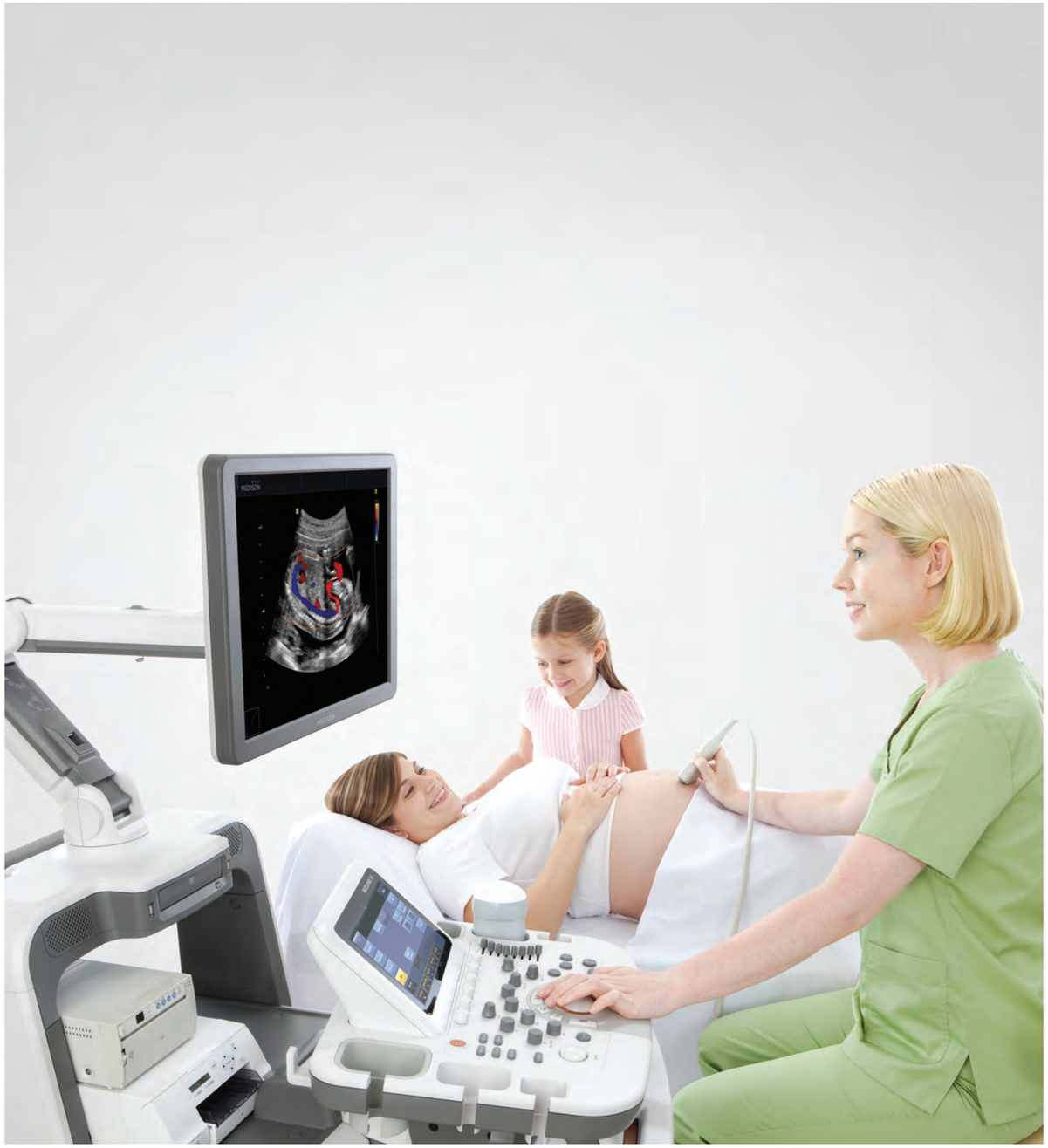


Design Your Performance

Accuvix XG Ultrasound system

SAMSUNG MEDISON

Design Your Performance

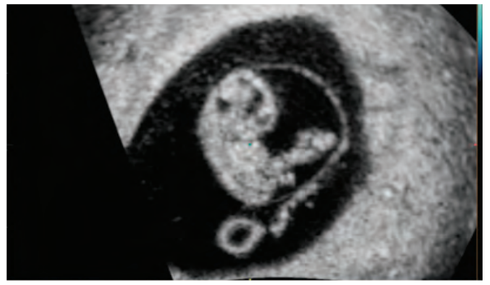
Samsung Medison wants to give you an easier way to acquire more information, with greater confidence in your daily practice.
The Accuvix XG empowers you through advanced image quality, extensive automation, an innovative user interface and an ergonomic design. Experiencing the Accuvix XG will enable you to see beyond previous imaging boundaries, and provide better patient care.

Design Your Advances

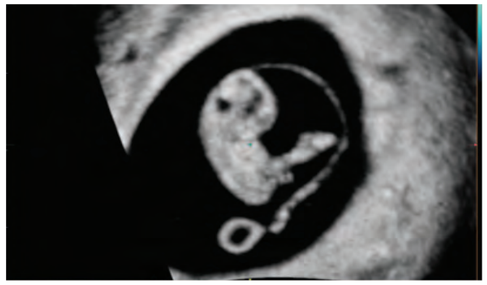
HDVI™, a next generation technology which improves 3D volume image quality, and Volume NT™, a new 3D technology from Samsung Medison which automatically measures NT improve your clinical confidence and help to advance your diagnosis and overall practice.

HDVI™

HD Volume Imaging™(HDVI™) gives outstanding image quality and naturally clearer contrast, with excellent tissue differentiation, edge depiction and speckle reduction, allowing consistent diagnoses with great confidence. It is particularly useful in the detection of subtle lesions and fetal brain defects, as well as in the examination of the walls and valves of the fetal heart.



Coronal image of 8wks fetus (Original)

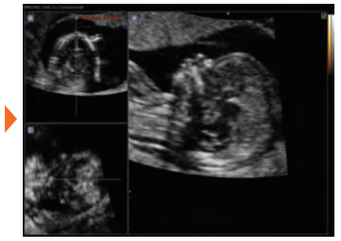


Coronal image of 8wks fetus (HDVI™)

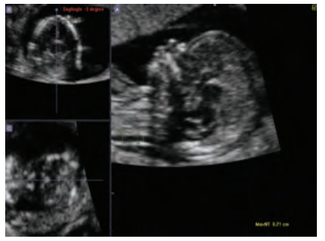
Volume NT™

Volume NT™ is the latest tool for undertaking the Nuchal Translucency (NT) examination. This new 3D technology detects the true mid-sagittal view from 3D data, and then also brings automation to NT measurement. By using Volume NT™, doctors can check and diagnose fetal genetic syndromes much more quickly, conveniently and accurately.

Volume Scan



Detect Mid-sagittal View



NT Measurement

Design Your Image

The Accuvix XG is designed to provide clearer vision and more accurate measurement, by applying Samsung Medison's latest imaging technologies.
By using these technologies, the Accuvix XG gives more confidence in observation by providing dramatically improved 2D/3D image quality, and enables users to acquire images that are best suited to their examinations.

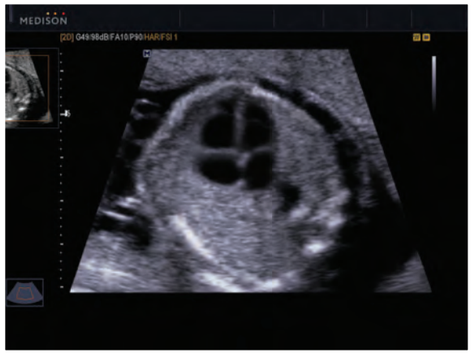
2D Image Features

Dynamic MR™ / Dynamic MR Plus™ is designed to enrich gray-scale resolution, as it enhances detection and contrast resolution while also decreasing speckle echoes. This is particularly useful when evaluating superficial structures, including thyroid, vessels, pelvic and abdominal anatomy.

SRF (Speckle Reduction Filter™) enhances image quality by reducing or eliminating the appearance of speckle echoes from ultrasound images. The degree of speckle reduction implemented is user-selectable.

Wide Dynamic Range determines the number of gray shades utilized to map the gray-scale image.
It enables to display more details of bright areas and dark areas.

FSI (Full Spectrum Imaging™) incorporates the penetration capabilities associated with lower frequencies, yet maintains the fine pixel uniformity associated with higher frequencies, to deliver consistently high quality images even challenging diagnostic cares.



Fetal heart 4ch view

3D Image Features

HDVI™ gives outstanding image quality and naturally clearer contrast, with excellent tissue differentiation, edge depiction and speckle reduction, allowing consistent diagnoses with great confidence.

Volume NT™, the new automated NT scan technology from Samsung Medison, will be far quicker and more accurate, and will enable faster patient throughput and greater clinical confidence in the accuracy of the diagnosis.

3D XI™, comprised of a suite of three innovative imaging applications - Multi-Slice View™, Oblique View™ and Volume CT™ - offers complete and precise control over 3D/4D volume data manipulation for maximum diagnostic accuracy.

3D MXI™ is an innovative, cutting-edge 3D image processing technology. Comprising a comprehensive suite of imaging tools - including Multi Volume Slice™, Mirror View™, Multi-OVIX™, and 3D OH™ - 3D MXI™ lets you view, examine and diagnose 3D volume data with supreme ease, speed and accuracy.

Corpus callosum with OVIX image

Design Your Environment

The Accuvix XG has an intuitive, ergonomic design that takes your needs into consideration, and offers more comfortable working environment. Users are able to organize their examination environment according to their personal preferences.

Fully Adjustable system

The control panel can be adjusted to the user's preferred height, for a better working environment and reduced risk of back pain.

Wide LED touch-screen

The Accuvix XG's new LED touch-screen makes it easy to organize and operate the simple-to-use.

19-inch HD LCD Monitor and articulating monitor arm

A 19-inch LCD monitor enables images to be displayed clearly even with a larger monitor, and the articulating monitor arm enables easy mobility for a more comfortable and convenient working environment.

Portability

The Accuvix XG is a lightweight system with 4 swivel wheels that allow easy steering, and a locking function.

Design Your Workflow

Experience a more convenient and efficient working environment with Accuvix XG's customizable menus and one-click buttons to take you where you want to go.

Customizable measurement menus

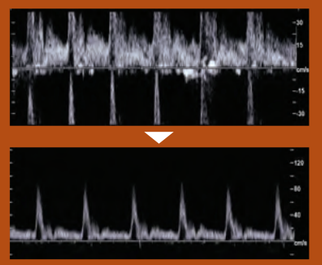
Customizable measurement menus allows access to frequently-used functions, and enable a quicker and more intuitive workflow.

User keys and user knob

Accuvix XG offers user key and user knob that can map frequently-used functions, enabling the function to be activated quickly and easily.

Customized Annotation Menu and body marker

Users can preset up to 360 words of annotations, and body markers for each application, that reducing the time needed for each examination.



QuickScan™

QuickScan™ maximizes workflow efficiency by automatically optimizing key imaging parameters with just a push of a button.

Premium Class Probes

Convex Array

C2-6IC

- Application : Abdominal, OB, GYN
- Center Frequency : 4.0MHz
- Field of View : 58.1°

C1-4EC

- Application : Abdominal, OB, GYN, Contrast
- Center Frequency : 3.0MHz
- Field of View : 57.2°

C4-9/10ED

- Application: Pediatric, Vascular, Abdominal
- Center Frequency: 6.5MHz
- Field of View:150.4°

Linear Array

L3-8

- Application: Small Parts, Vascular
- Center Frequency: 4.6MHz
- Field of View: 39mm

L5-13IS

- Application: Small Parts, Vascular, Musculoskeletal
- Center Frequency: 8.0MHz
- Field of View: 38.4mm

LF5-12

- Application: Small Parts, Vascular, Musculoskeletal
- Center Frequency: 7.7MHz
- Field of View: 50mm

LS5-13(L-Shape)

- Application : Musculoskeletal
- Center Frequency : 7.0MHz
- Field of View : 24.96mm

Phased Array

P2-4BA

- Application: Cardiac, Abdominal, TCD
- Center Frequency: 2.7MHz
- Field of View: 90°

P3-8CA

- Application: Abdominal, Pediatric
- Center Frequency: 4.7MHz
- Field of View: 90°

P4-12

- Application: Cardiac, Pediatric
- Center Frequency: 7.0MHz
- Field of View: 90°

Endo-Cavity

EV4-9/10ED

- Application : OB, GYN, Urology
- Center Frequency : 6.5MHz
- Field of view : 148°

ER4-9/10ED

- Application : OB, GYN, Urology
- Center Frequency : 6.5MHz
- Field of view : 148°

VR5-9

- Application : OB, GYN, Urology
- Center Frequency : 6.5MHz
- Field of view : 150.0°

Continuous Wave Probes

CW2.0

- Application : Cardiac
- Center Frequency : 2.0MHz

CW4.0

- Application : Cardiac
- Center Frequency : 4.0MHz

Volume Probes

V5-9

- Application : OB, GYN, Urology
- Center Frequency : 6.5MHz
- Field of view : 150.3°

V6-12

- Application : Small Parts, Vascular, Musculoskeletal
- Center Frequency : 8.0MHz
- Field of view : 40.0mm

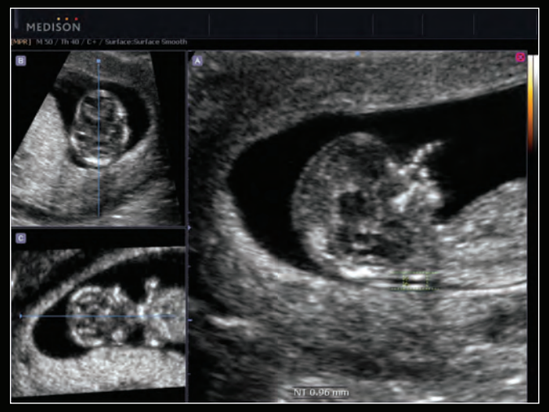
3DC2-6

- Application : Abdominal, OB, GYN
- Center Frequency : 3.5MHz
- Field of view :69.0°

V4-8

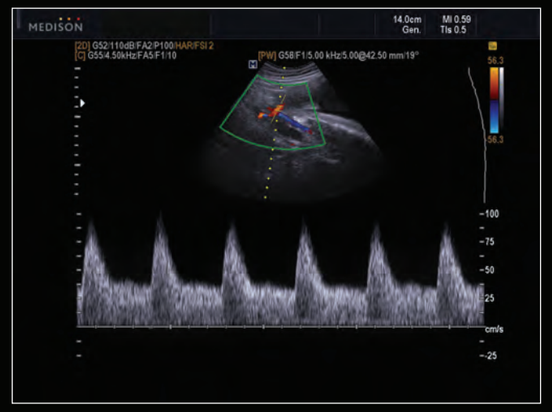
- Application : Abdominal, OB, GYN
- Center Frequency : 4.0MHz
- Field of view : 76.8°

Image Gallery



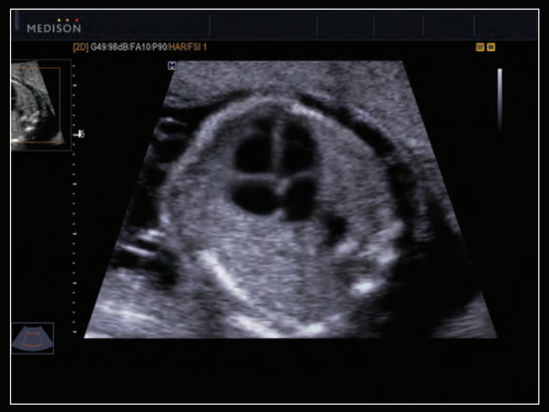
Volume NT image

Fetal spine with HDVI™

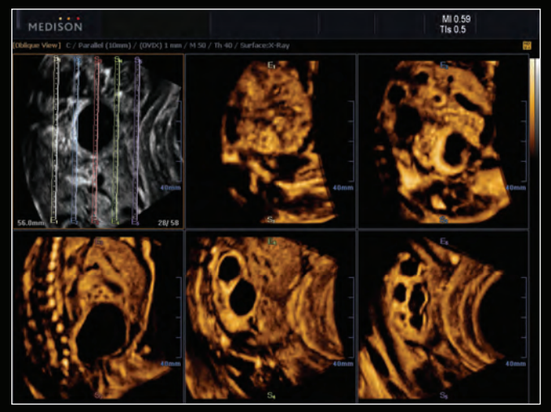


Uterine artery doppler image

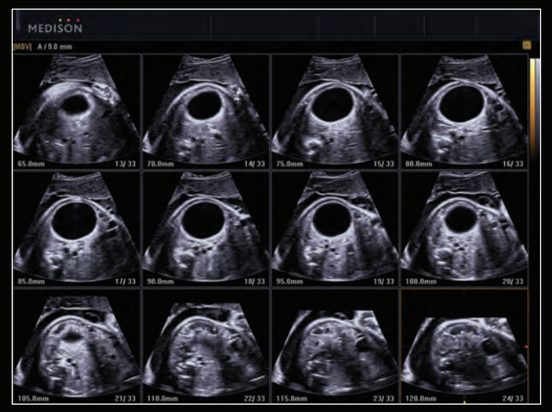
Aortic arch in MSV



Fetal heart 4ch view



Dilated urinary track in OVIX image



Fetal abdominal cyst in MSV

3D face

Bilateral Pleural effusion

13wk MPR image with HDVI™

Ductus venosus color doppler

Adenomyosis