Samsung Medison is a global leading medical devices company. Founded in 1985, the company now sells cutting-edge medical devices including diagnostic ultrasound, digital X-ray and blood analyzer, in 110 countries around the world. The company has attracted global attention in the medical field with its R&D capabilities and advanced technologies. In 2011, Samsung Medison became an affiliate company of Samsung Electronics, integrating world's best IT, image processing, semiconductor and communication technologies into medical devices.

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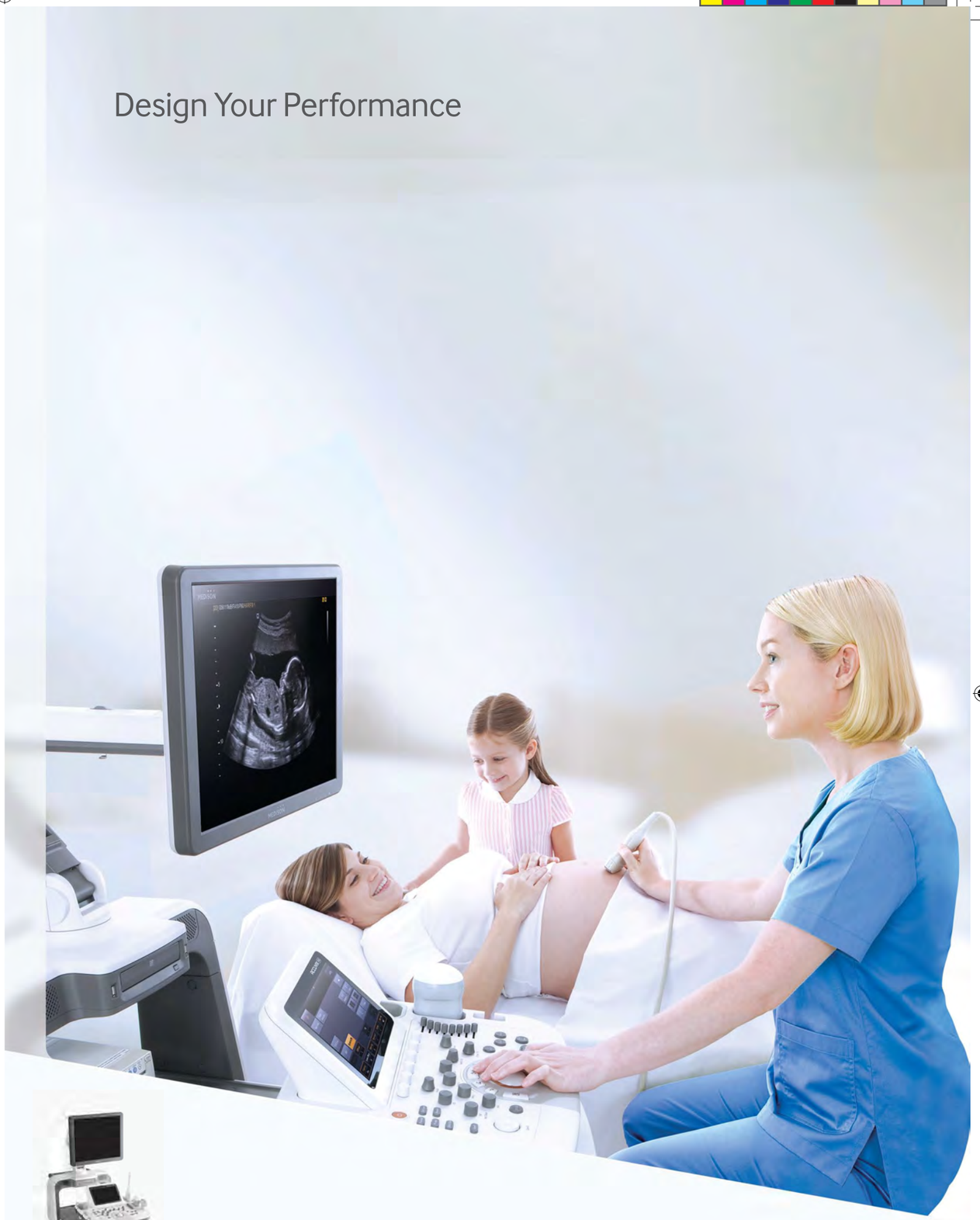
SAMSUNG

SAMSUNG MEDISON

Design Your Performance



ACCUVIX XG

SAMSUNG

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.

ACCURATE EASY FAST

DESIGN YOUR IMAGE

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/Color Doppler image quality, and enables users to acquire images that are best suited to their examination

ACCURATE EASY FAST

SRF™

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

Bilateral pleural effusion

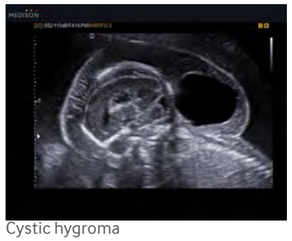
DPDI™

DPDI(Directional Power Doppler Imaging)™ is enhanced technology for hemodynamic of color flow, giving the directional information of blood flow. It improves sensitivity of detection and it is useful to map.

Fetal heart

DMR Plus™

DMR 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.



Cystic hygroma

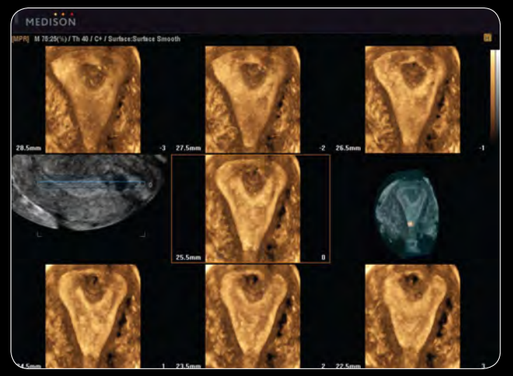
FSI™

FSI(Full Spectrum Imaging)™ incorporates the penetration capabilities associated with lower frequencies, while maintains the fine pixel uniformity associated with higher frequencies. It delivers consistently high quality images even in case of challenging diagnostic cares.

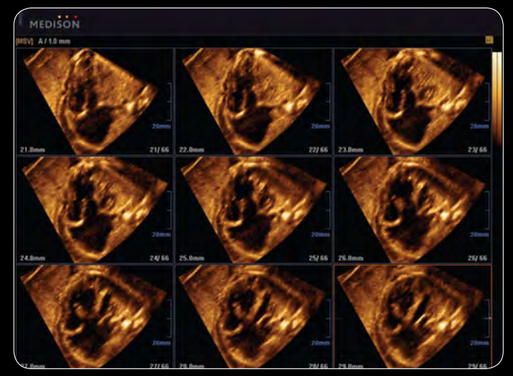
Image Gallery

CCAM with DMR Plus™

Ventricle septal defect



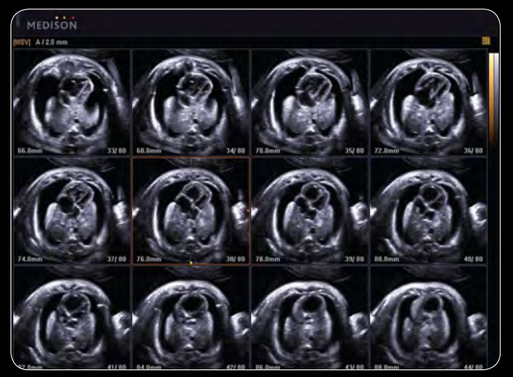
Uterus with MSV™



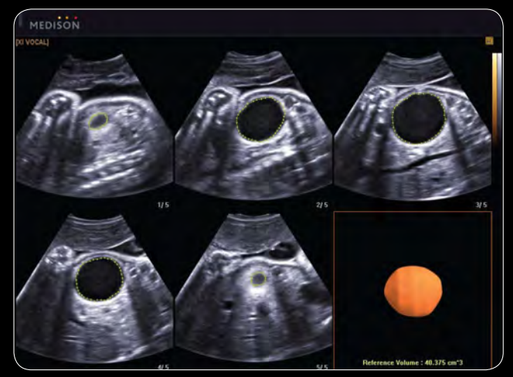
Single ventricle with XI STIC™

Ductus venosus color Doppler

Teratoma



Bilateral pleural effusion with MSV™



Abdominal cyst with XI VOCAL™

Postpartum uterus

Cervix ElastoScan™

Fetal spine with HDVI™

12 weeks fetus

Volume NT & IT™

A new 3D technology that detects the true mid-sagittal plane, which allows semi-automatic measurement of Nuchal Translucency(NT) and Intracranial Translucency(IT). This ensures highly accurate and interactive detection of the mid- sagittal view, as well as quick and simple NT and IT measurement.

EASIER EXAM THAN EVER

Accuvix XG provides ease of use oriented features such as volume NT &IT™ for intuitive diagnosis, 3D MXI for more precise control over 3D/4D. They give you easier controls and more convenient operations to manage.

ACCURATE EASY FAST

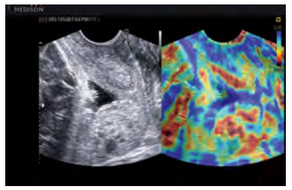
HDVI™

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

Coronal image of 8 weeks fetus (HDVI™)

Cervix ElastoScan™

Highly sensitive, Cervix ElastoScan™ easily reveals changes in the uterine cervix often missed by palpation, enabling more accurate assessment.



Uterine cervix close to delivery

3D MXI™

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.

Corpus callosum with OVIX image

NEW SMART 3D/4D FEATURES FOR TIME SAVING

Experience a more convenient and efficient working environment with Accuvix XG's new 3D/4D features that are advanced image optimizing technologies such as SFVI™, VSI™, FAD™ and SmoothCut™.

ACCURATE EASY FAST

SFVI™

SFVI(Smart Filter Volume Imaging)™ is a remarkable digital signal filtering technology for 3D images.

- Clear SFVI™ removes unwanted noise, resulting in a clear image.
- Detailed SFVI™ allows for sharp border definition on a 3D image.

3D Fetal face image (Clear SFVI™)

3D Fetal face with hands (Detailed SFVI™)

VSI™

With VSI(Volume Shade Imaging)™, the skin tone shading provides more lifelike 3D images. It improves visualization of subtle anatomic structures, created by enhanced depth perception and edge enhancement.

3D Fetal face image (original)

3D Fetal face image (VSI™)

FAD™

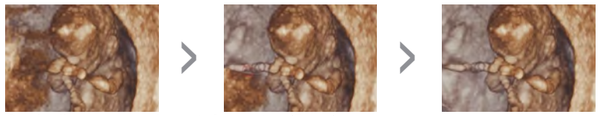
FAD(Face Auto Detection)™ is an innovative 3D technology that removes unwanted volume data that can obscure details of the fetal face. When it is activated, 3D post-processing algorithm of FAD™ removes the unwanted information between the transducer and the fetal face.

Original fetal face view

Fetal face view with FAD™

Smooth Cut™

Smooth Cut™ erases any object that hides the desired 3D image. This simple, user-controlled feature quickly eliminates a specific target within the volume, while the erased information can easily be recovered by reversing the action. Smooth Cut™ reduces the number of steps needed to edit the volume.



Gradually remove volume information (Fetus)

Gradually restore volume information (Fetal face)

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 touch-screen

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

48.3 cm HD LCD Monitor and articulating monitor arm

48.3 cm 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.

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.

PREMIUM CLASS PROBES

To get the most out of the system's versatility, our innovative transducer technology ensures visualizations that will give you powerful diagnostic capabilities.

Convex Array

C2-8

- Application : Abdomen, OB, Gynecology
- Center Frequency : 4.6MHz
- Field of View : 68°

C2-6IC

- Application : Abdomen, OB, Gynecology
- Center Frequency : 4.0MHz
- Field of View : 58.1°

C1-4EC

- Application : Abdomen, OB, Gynecology, Contrast
- Center Frequency : 3.0MHz
- Field of View : 57.2°

C4-9/10ED

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

CF4-9

- Application : Abdomen, Vascular, Pediatric
- Center Frequency : 6.56MHz
- Field of View : 92°

Endo-Cavity

EV4-9/10ED

- Application : OB, Gynecology, Urology
- Center Frequency : 6.5MHz
- Field of View : 148°

ER4-9/10ED

- Application : OB, Gynecology, Urology
- Center Frequency : 6.5MHz
- Field of View : 148°

VR5-9

- Application : OB, Gynecology, Urology
- Center Frequency : 6.5MHz
- Field of View : 150.0°

Linear Array

L7-16IS

- Application: Musculoskeletal, Small Parts, Vascular
- Center Frequency: 12.0MHz
- Field of View: 38.4mm

L3-8

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

L5-13IS

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

LF5-12

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

LS5-13(L-Shape)

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

Continous Wave Probes

CW2.0

- Application : Cardiac
- Center Frequency : 2.0MHz

CW4.0

- Application : Cardiac
- Center Frequency : 4.0MHz

TEE Probe

MMPT3-7

- Application: Adult Echo
- Center Frequency : 5.1MHz

Phased Array

P2-4BA

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

P3-8CA

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

P4-12

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

Volume Probes

V5-9

- Application : OB, Gynecology, Urology
- Center Frequency : 6.5MHz
- Field of View : 150.3°

V6-12

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

3DC2-6

- Application : Abdomen, OB, Gynecology
- Center Frequency : 3.5MHz
- Field of View :69.0°

V4-8

- Application : Abdomen, OB, Gynecology
- Center Frequency : 4.0MHz
- Field of View : 76.8°

V2-6

- Application : Abdomen, OB, Gynecology
- Center Frequency: 3.15MHz
- Field of View: 87°