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.

CT-A30-OB-JWP-CMI-140919-EN

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Leading the New Standards

ACCUVIX A30

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EXPERIENCE SUPERB PERFORMANCE

As the pioneer in ultrasound and imaging, Samsung Medison sets global standards in ultrasound systems. We focus on supporting more accurate, easier and faster diagnosis. Our new ACCUVIX A30 system establishes new benchmarks in operational convenience with features such as EZ Exam™ and ElastoScan™.
Furthermore, the ACCUVIX A30 offers 21.5 inch LED ultrasound monitor, enriched 3D performance, and increased detection rates, advanced automation, customizable interface and ergonomic design.

ACCURATE EASY FAST

More Accurate Images
Superior image quality supports clinical decision-making and reduces uncertainty for increased diagnostic confidence.

Easier Operation
Extensive automation, intuitive controls and ergonomic design empower users to provide higher-level care.

Faster Access
Newly designed imaging tools and advanced technologies deliver superior image quality while saving your time and effort.

RENDER LIFELIKE RELIABLE IMAGES

Sophisticated image processing technology detailing skin tone and facial features provides outstanding accuracy for sonographers and memorable experiences for mothers. Our recent breakthroughs in lifelike images are displayed on the world's first full HD LED ultrasound monitor, with superior color performance and special filtering that removes unwanted speckle and noise. Images are not only rendered with more life-like details on optimal fetal display, but also processed and stored noticeably easier.

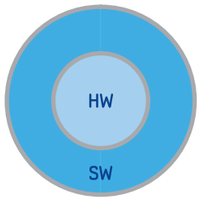
ACCURATE EASY FAST

21.5-inch LED monitor

With the release of the 21.5-inch LED ultrasound monitor, the ACCUVIX A30 introduces high-quality color image representation. The new, wider monitor provides superior performance over CRT and LCD monitors, delivering higher resolution for more accurate diagnosis.

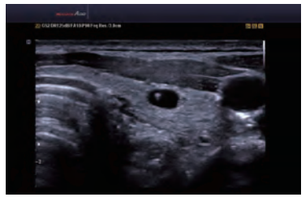
Hybrid Beamforming Engine

With enhanced H/W and newly added S/W engines, users can process data more accurately through optimized processing. This Hybrid Beam forming Engine enables a more in-depth, more detailed scanning with a higher energy output.



DMR+ ™

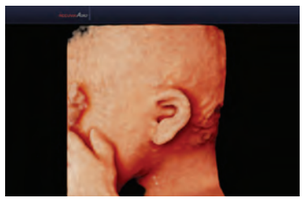
A completely new engine that integrates Samsung software and enhances image quality, DMR+™ has a noise reduction filter that increases edge enhancement and produces sharper 2D images for improved diagnostic performance.


Thyroid colloid cyst

FRV™ (Feto Realistic View)

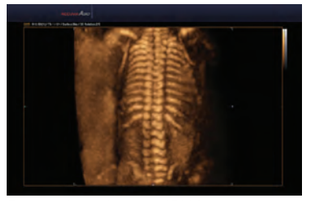
FRV™ is an image rendering technology that gathers much more information than 3D/4D data than previous technology, and enables to express more detailed images of the fetus. FRV™ is also compatible with Samsung Medison's other 3D functions such as HDVI™, SFVI™ or VC.


Abnormal hand with FRV™


Fetal ear with FRV™

HDVI™

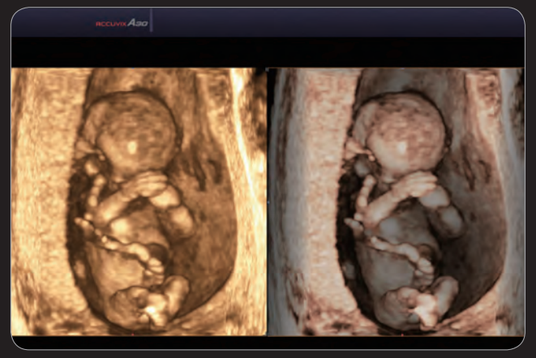
By utilizing special filtering that removes unwanted speckle and noise while simultaneously improving visualization of edges and small structures in volume data, HDVI™ renders clearer and more accurate images.


Fetal spine without HDVI™


Fetal spine with HDVI™

ACHIEVE ENHANCED IMAGE

Our state-of-the-art diagnostic systems rely on decent technologies to enhance ultrasound imaging. Thanks to improved and sharper contrast resolution, images are in higher quality making them easier to analyze. With advanced imaging construction, the ACCUVIX A30 improves efficiency in imaging under all possible conditions



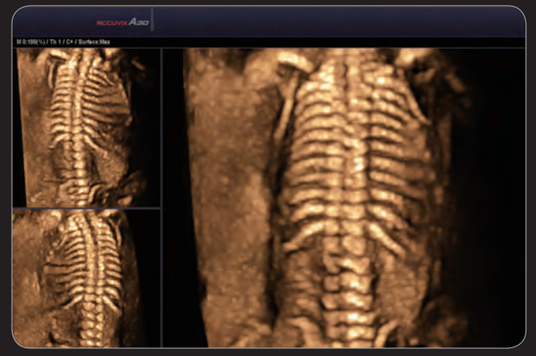
Early Fetus 3D with VSI™

Aortic arch view

Zoom image of fetal heart 4 chamber

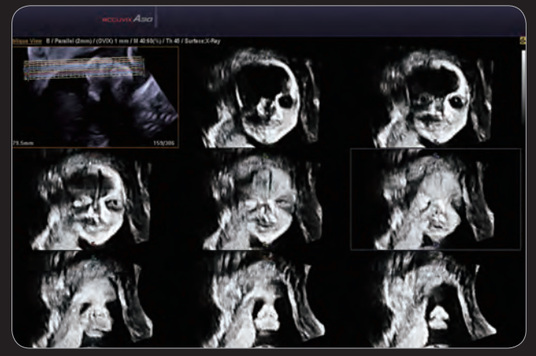
9 weeks fetus with FRV™

Uterus Adenomyosis



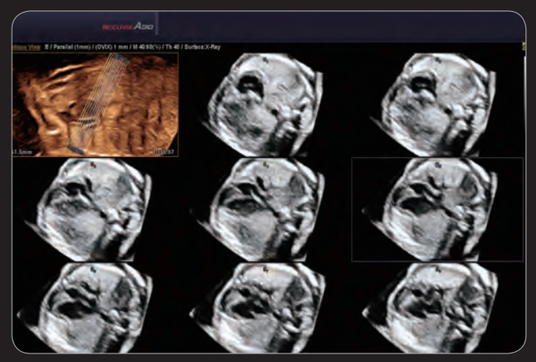
Fetal spine with HDVI™

Fetal heart with FRV™



Fetal face with multi OVIX™

Corpus Collosum with MSV OH™



Fetal heart with multi OVIX™

Fetal heart aortic arch

Spina bipida with SFVI™

EASIER EXAMS THAN EVER

Our user-friendly technology has been developed to ease tasks and operations. Our unique Volume NT & IT™ improve diagnostic views and allow easy measurements while EZ Exam™ transforms multiple steps into a streamlined process at the touch of a button. Such advanced automation technology reduces repetitive tasks, and quickly stores volume data, simplifying both review and reassessment of images.

ACCURATE EASY FAST

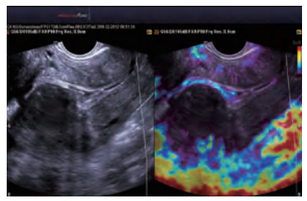
All-New User Interface

Improved options for preset automation and modes make testing easier by reducing multiple tasks. Independent settings for user preset and basic preset also support simple operation.

New preset menu of transducer dialog

ElastoScan™

Helping to identify early detection of lesions and various other diseases, ElastoScan™ provides clinical information that conventional studies typically cannot detect.


Cervix ElastoScan™

Cervix ElastoScan™

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

EZ Exam™

EZ Exam™ transforms frequently used step-by-step exams into a single, streamlined procedure.

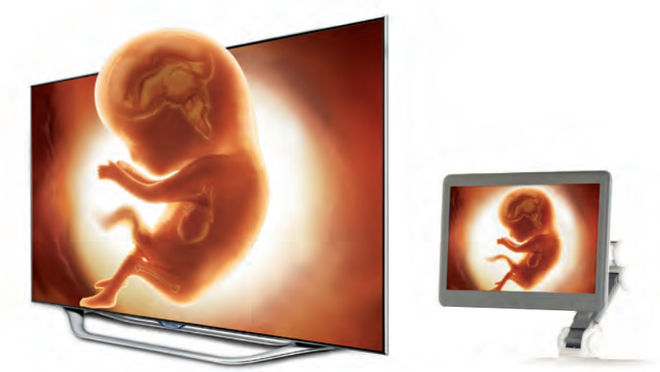

EZ Exam™ Designer mode

Volume NT & IT™

User-friendly Volume NT & IT™ allow improved mid-sagittal views and easier measurements. Stored volume data makes reviews and reassessments simpler.

3D Stereo Technology

ACCUVIX A30 provides 3D stereo images through Samsung 3D Smart TV. Mothers can enjoy these realistic images at home.



FOCUSED ON TIME-SAVING

ACCUVIX A30 relies on cutting-edge technology and proprietary features that streamline imaging and procedures in order to save precious time and allow users to become more time-efficient. For instance, real-time DVD recording is a thoughtful function that enables simultaneous scanning and recording. The ACCUVIX A30 also has upgraded color technology, customizable preset ranges, and automated imaging parameters that further maximize workflow efficiency.

ACCURATE EASY FAST

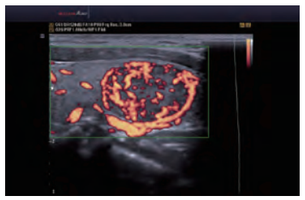
HD-ADVR™

HD-ADVR™, integrated DVD (720x480) and USB (Full HD 1920 x 1080), permits simultaneous scanning and recording, creating an environment that allows users to revisit recorded areas.

Touch-screen menu of HD-ADVR™

Color Opt Flow™

The exclusive color technology supports quick color image representations of blood flow. Upgraded capabilities include changing slow, moderate or fast color speeds. The preset ranges allow faster evaluation of optimized blood flow images, depending on the application.


Thyroid adenoma with Color Opt Flow™

Advanced 3D Technology

New 3D imaging tools have resulted in more realistic images, and more accurate scans and diagnoses.

- Fetal face Auto Detection (FAD™): With one-touch operation, Fetal face Auto Detection (FAD) removes unwanted volume data that can obscure details of the fetal face.
- Smart Filter Volume Imaging (SFVI™): Touch-activated, Smart Filter Volume Imaging™ provides sophisticated tools for optimizing 3D imaging to reduce unwanted noise, resulting in immediate clarity and more lifelike images.
- Volume Shade Imaging (VSI™): Volume Shade Imaging displays 3D images of skin tones and shading and improves visualization.
- Smooth Cut™: User-controlled Smooth Cut erases objects that hide desired 3D images, reducing unnecessary steps in the exam. Erased information is easily recovered by reversing the action.

EMPLOY ERGONOMIC DESIGN

With mobility and easy access in mind, we made the ACCUVIX A30 to be easily transported, whether at bedside, private clinics or medical labs. The intuitive control panel can be adjusted easily to user's preference, and the monitor arm can move front to back as well as side-to-side. Our advanced ergonomic design lets medical experts focus on patients.

Flexible Control Panel

Panel can be adjusted side-to-side and up-and-down for user comfort.

- Height: adjustable +180mm
- Rotation: 60°, adjustable +/- 30°

Articulated Monitor Arm

The monitor's controls provide unprecedented flexibility and user comfort, adjusting both up and down and side to side for personalized performance.

- Height: adjustable +260mm (1415~1760 mm)
- Rotation: adjustable +/- 50° from center, others +/- 130° from center
- Tilt: adjustable +45°/ -15° from center
- Front/Back: adjustable +339.4 mm

Central Locking

Conveniently locked with foot controls.

OPTIMIZED TRANSDUCER SET CONFIGURATION

Curved Array Transducers

CA2-8A

- Application: Abdomen, Obstetrics, Gynecology
- Field of View: 58°

SC1-6

- Application: Abdomen, Obstetrics, Gynecology, Contrast
- Field of View: 60.61°

C2-6IC

- Application: Abdomen, Obstetrics, Gynecology
- Field of View: 58.12°

CF4-9

- Application: Vascular, Pediatric
- Field of View: 92°

Volume Transducers

V2-6

- Application: Abdomen, Obstetrics, Gynecology
- Field of View: 87°

V4-8

- Application: Abdomen, Obstetrics, Gynecology
- Field of View: 76°

V5-9

- Application: Obstetrics, Gynecology, Urology
- Field of View: 150°

Linear Array Transducers

LA3-16A

- Application: Musculoskeletal, Small Parts, Vascular
- Field of View: 40mm

L5-13/50

- Application: Musculoskeletal, Small Parts, Vascular
- Field of View: 50mm

L4-7

- Application: Abdomen, Musculoskeletal, Small Parts, Vascular
- Field of View: 50mm

L5-13IS

- Application: Musculoskeletal, Small Parts, Vascular
- Field of View: 40mm

L7-16IS

- Application: Musculoskeletal, Small Parts, Vascular
- Field of View: 40mm

LS6-15

- Application: Superficial Musculoskeletal
- Field of View: 25.6mm

Endo-Cavity Transducers

EC4-9IS

- Application: Obstetrics, Gynecology, Urology
- Field of View: 148.9°

VR5-9

- Application: Obstetrics, Gynecology, Urology
- Field of View: 150°

Phased Array Transducer

P2-4BA

- Application: Abdomen, Cardiac, TCD
- Field of View: 90°

CW Pencil Type Transducers

CW2.0

- Application: Cardiac

CW4.0

- Application: Cardiac

CW6.0

- Application: Vascular, Cardiac